



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015
AND THE NATIONAL ELECTRICAL 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. ALL PLANS OR DRAWINGS SHALL PROVIDE 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 SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES
Revised 7/1/15

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
			Yes	No	N/A
1	Two (2) complete sets of plans containing the following:		✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		✓		
3	Condition space (Sq. Ft.)	2926	IIIIII	IIIIII	IIII
	Total (Sq. Ft.) under roof	4324			

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

		Yes	No	N/A
4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

Wind-load Engineering Summary, calculations and any details are required.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
			YES	NO	N/A
8	Plans or specifications must show compliance with FBCR Chapter 3		IIIIII	IIII	IIIIII
9	Basic wind speed (3-second gust), miles per hour		✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)		✓		
11	Wind importance factor and nature of occupancy		✓		
12	The applicable internal pressure coefficient, Components and Cladding		✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.		✓		

Elevations Drawing including:

		Yes	No	N/A
14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	✓		
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		✓
21	Raised floor surfaces located more than 30 inches above the floor or grade			
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	✓		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	✓		✓
28	Identify accessibility of bathroom (see FBCR SECTION 320)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		✓
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing value of soil _____ Pound Per Square Foot			✓
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	✓		

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			
42	Attachment of joist to girder			
43	Wind load requirements where applicable			
44	Show required under-floor crawl space			
45	Show required amount of ventilation opening for under-floor spaces			
46	Show required covering of ventilation opening			
47	Show the required access opening to access to under-floor spaces			
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing			
49	Show Draftstopping, Fire caulking and Fire blocking			
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6			
51	Provide live and dead load rating of floor framing systems (psf).			

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCB 2308.9.5	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.7.1 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing			
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating			
67	Valley framing and support details			
68	Provide dead load rating of rafter system			

FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	☒		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	☒		

FBCR Energy Conservation R.401

Residential construction shall comply with this code by using the following compliance methods in the Residential buildings compliance methods. **Two of the required forms are to be submitted, R 402-2014 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form R 402-2014, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	☒		
74	Attic space	☒		
75	Exterior wall cavity	☒		
76	Crawl space			☒

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	☒		
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	☒		
79	Show clothes dryer route and total run of exhaust duct	☒		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	☒		
81	Show the location of water heater	☒		

Private Potable Water

82	Pump motor horse power	☒		
83	Reservoir pressure tank gallon capacity	☒		
84	Rating of cycle stop valve if used	☒		

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	☒		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	☒		
87	Show the location of smoke detectors & Carbon monoxide detectors	☒		
88	Show service panel, sub-panel, location(s) and total ampere ratings	☒		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	☒		
90	Appliances and HVAC equipment and disconnects	☒		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device. NEC 210.12A	☒		

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	✓		✓
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	✓		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	✓		
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	✓		
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	✓		
102	911 Address: An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

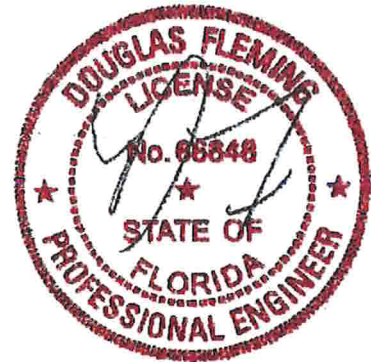
Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

Alpine, an ITW Company

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IVXM215-Z0420080436



This document has been electronically signed and sealed using a Digital Signature. Printed copies without a digital signature must be verified using the original electronic version.

01/20/2017

Douglas Fleming
-Truss Design Engineer-

2400 Lake Orange Dr, Suite 150
Orlando FL, 32837

Truss Fabricator: **W.B. Howland**
Job Identification: **16-0982-/HUBBART RESIDENCE /SPARKS CONST. -- , FL**
Truss Count: **95**
Model Code: **Florida Building Code 5th Edition (2014)**
Truss Criteria: **TPI-2007(STD)**

Engineering Software: **Alpine Software, Version 16.01.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC**
Address: **Roof - 40.0 PSF @ 1.25 Duration**
Minimum Design Loads: **Floor - N/A**
Wind - 130 MPH ASCE 7-10 -Closed

Notes:

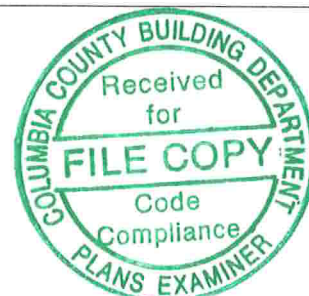
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: BRCLBSUB-DEFLCMB-S14015C1-GBLLETIN-14015EC1-PB16010-

#	Ref	Description	Drawing#	Date
1	83834--A01		17019143	01/19/17
2	83835--A02		17019069	01/19/17
3	83836--A03		17019070	01/19/17
4	83837--A04		17019071	01/19/17
5	83838--A05		17019146	01/19/17
6	83839--A06		17019072	01/19/17
7	83840--A07		17019073	01/19/17
8	83841--B01		17019147	01/19/17
9	83842--B02		17019125	01/19/17
10	83843--B03		17019126	01/19/17
11	83844--B04		17019127	01/19/17
12	83845--B05		17019128	01/19/17
13	83846--B06		17019129	01/19/17
14	83847--B07		17019130	01/19/17
15	83848--B08		17019131	01/19/17
16	83849--B09		17019132	01/19/17
17	83850--B10		17019144	01/19/17
18	83851--C01		17019133	01/19/17
19	83852--C02		17019134	01/19/17
20	83853--C03		17019135	01/19/17
21	83854--C04		17019136	01/19/17
22	83855--C05		17019137	01/19/17
23	83856--C06		17019138	01/19/17
24	83857--C07		17019096	01/19/17
25	83858--C08		17019097	01/19/17
26	83859--C09		17019098	01/19/17
27	83860--C10		17019099	01/19/17
28	83861--C11		17019100	01/19/17
29	83862--C12		17019101	01/19/17
30	83863--D01		17019102	01/19/17
31	83864--D02		17019103	01/19/17
32	83865--D03		17019104	01/19/17
33	83866--D04		17019105	01/19/17

#	Ref	Description	Drawing#	Date
34	83867--D05		17019106	01/19/17
35	83868--D06		17019107	01/19/17
36	83869--D07		17019108	01/19/17
37	83870--D08		17019109	01/19/17
38	83871--G01		17019110	01/19/17
39	83872--G02		17019111	01/19/17
40	83873--G03		17019112	01/19/17
41	83874--G04		17019113	01/19/17
42	83875--G05		17019114	01/19/17
43	83876--G06		17019115	01/19/17
44	83877--G07		17019116	01/19/17
45	83878--G08		17019117	01/19/17
46	83879--G09		17019139	01/19/17
47	83880--H01		17019140	01/19/17
48	83881--H02		17019118	01/19/17
49	83882--J01		17019094	01/19/17
50	83883--J02		17019095	01/19/17
51	83884--J03		17019074	01/19/17
52	83885--J04		17019075	01/19/17
53	83886--J05		17019053	01/19/17
54	83887--J06		17019054	01/19/17
55	83888--J07		17019055	01/19/17
56	83889--J08		17019056	01/19/17
57	83890--J09		17019057	01/19/17
58	83891--J10		17019058	01/19/17
59	83892--K01		17019059	01/19/17
60	83893--K02		17019060	01/19/17
61	83894--K03		17019061	01/19/17
62	83895--K04		17019062	01/19/17
63	83896--K05		17019063	01/19/17
64	83897--K06		17019064	01/19/17
65	83898--K07		17019065	01/19/17
66	83899--L01		17019066	01/19/17

#	Ref	Description	Drawing#	Date
67	83900--L02		17019141	01/19/17
68	83901--P01		17019076	01/19/17
69	83902--P02		17019077	01/19/17
70	83903--P03		17019078	01/19/17
71	83904--P04		17019079	01/19/17
72	83905--P05		17019080	01/19/17
73	83906--P06		17019081	01/19/17
74	83907--P07		17019082	01/19/17
75	83908--P08		17019083	01/19/17
76	83909--P09		17019084	01/19/17
77	83910--P10		17019085	01/19/17
78	83911--P11		17019086	01/19/17
79	83912--P12		17019087	01/19/17
80	83913--P13		17019088	01/19/17
81	83914--P14		17019089	01/19/17
82	83915--P15		17019090	01/19/17
83	83916--P16		17019091	01/19/17
84	83917--P17		17019092	01/19/17
85	83918--R01		17019093	01/19/17
86	83919--R02		17019145	01/19/17
87	83920--T01		17019142	01/19/17
88	83921--T02		17019119	01/19/17
89	83922--T03		17019120	01/19/17
90	83923--T04		17019121	01/19/17
91	83924--T05		17019122	01/19/17
92	83925--T06		17019123	01/19/17
93	83926--T07		17019124	01/19/17
94	83927--T08		17019067	01/19/17
95	83928--T09		17019068	01/19/17



11



THIS FILE DERIVED FROM COMBINED INPUT (1 CARD & DISK) ONLY. SUBMITTED BY SERVICE AREA

Top	Chord	2x4	SP	M-31
Bot	chord	2x6	SP	M-31

bot	chord	2x6	SP	M-31
	webs	2x4	SP	M-31

:Lt Wedge 2x6 SP M-31::Rt Wedge 2x6 SP M-31:

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

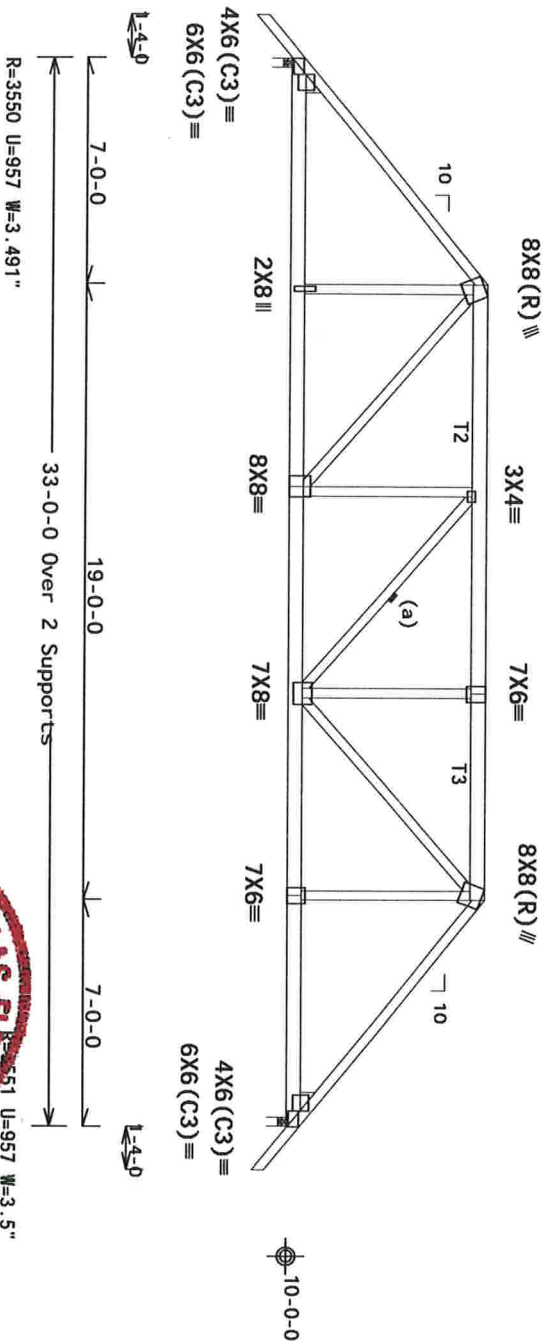
Wind loads and reactions based on MMFRS.

(a) Continuous lateral restraint equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=3550 U=957 W=3.491"

$=957 \text{ W}=3.5''$

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)

$$FT/RT=20\%(0\%)/10(0)$$

QTY: 1

L/-/1/-/-/R/-

Scale = .1875"/Ft.



ALPINE

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

****IMPORTANT****
WEIGH IN!! READ AND FOLLOW ALL NOTES ON THIS DRAWING
FURNISH TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

This drawing requires extensive care in fabricating, handling, shipping, installing and bracing. Refer to and follow the detailed section of BCSI (Building Components, Structural Information) by TPI and WFLC for safety practices and handling. Locations shown for permanent lateral bracing and bottom chord shall have a properly designed bracing details, unless noted otherwise. Bracing plates to each truss and position as shown above and below shall be a division of ITM Building Components Group, Inc. shall not be responsible for the design of bracing from this information or failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of truss.

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. IT DOES NOT CONSTITUTE AN OFFER OF ANY STRUCTURE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE DESIGN OF ANY STRUCTURE. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY STRUCTURE.

For more information on this job's general notes, plans and sheets visit: www.alphatru.com
 TPI: www.alphatru.com, TPI: www.truss.com, WFLC: www.industry.sbsi.net, www.insulate.org
 Building Designer: www.BCSI/TPI/1 Sheet 2.

TOT. LL	20.0 PSF	REF R215- 83834
DL	10.0 PSF	DATE 01/19/17
DL	10.0 PSF	DRW HCUSR215 17019143
LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455435
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1YVM215 Z04

01/20/2017

THE UNIVERSITY OF CHICAGO

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf. $G\phi(1+/-) = 0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.
 MNFRS loads based on trusses located at least 7.50 ft.
 from roof edge.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

FT/RT=20%(0%)/10(0)

1.0610438 178840TY:

F1/-/-1/-/-1/R/-

Scale = .1875"/Ft.

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

For more information see this job's general notes page and these web sites:
 ALPINE: www.alpinetm.com TP: www.toptek.org BTGA: www.shelburnetm.com IOT: www.ironmfg.com

TC	20.0	PSF	REF	R215--	83835
TC	10.0	PSF	DATE	01/19/17	
DL	10.0	PSF	DRW	H05R215	17019069
DL	0.0	PSF	HC-ENG	KD/DF	
LL	40.0	PSF	SEQN-	455355	
TOT. LD.	1.25		FROM	CDM	
DUR. FAC.	24.0"		JREF-	1VXM215	704

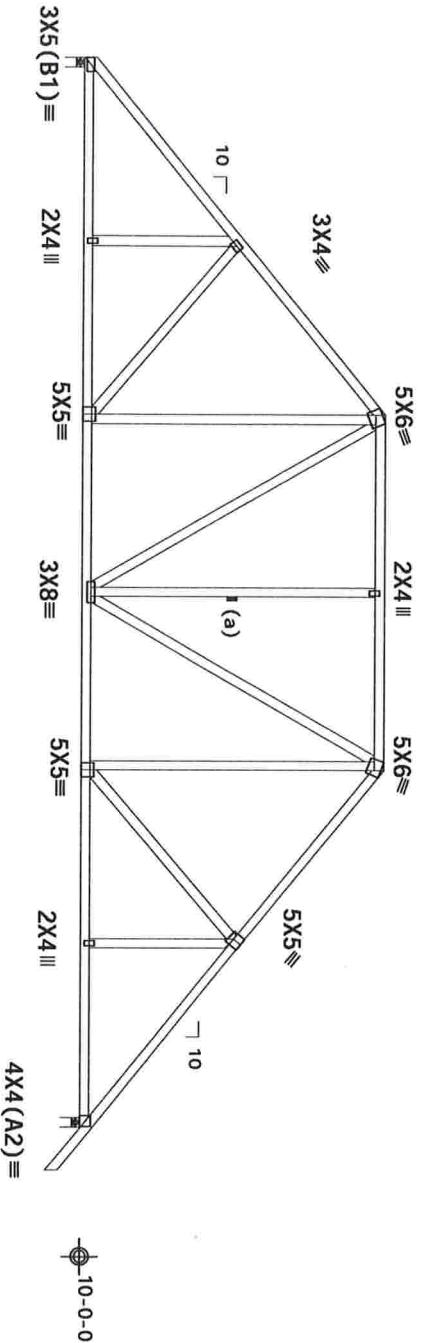
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130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $G_{z,i} (+/-)=0.18$

Wind loads and reactions based on MNFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



$W=3.5"$

16.11.06 10438 17:56:01

Scale = .1875"/Ft.

****WORKING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****1987/NT** FORMING THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses, require sections done in fabricating, handling, shipping, installing and bracing. Refer to notes and follow the latest edition of BC21 (Building Component Safety Information), by TPI and BCTA for safety practices or for proper bracing functions. Installers shall provide temporary bracing per BC21. A properly detailed and field called out locations shown for permanent lateral restraints of webs shall have braced and BC21 sections 83, 87 or B10, as applicable. Apply plates to each face of Truss, and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 180A-2 for standard plate positions.

Alpina, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from this drawing and bracing of Trusses in conformance with AWS/D701, or for handling, shipping, installation and bracing of Trusses.

For more information see this job's general notes page and these web sites:
www.albionltd.co.uk; TPI: www.trainco.org; BTCA: www.bcrproducts.com; ICC: www.iccinfo.org

01/20/2017

TC	LL	20.0	PSF	REF	R215--	83836
TC	DL	10.0	PSF	DATE	01/19/17	
SC	DL	10.0	PSF	DRW	H05R215	17019070
SC	LL	0.0	PSF	HC-ENG	KD/DF	
TOT.	LD.	40.0	PSF	SEQN-	455356	
DUR.	FAC.	1.25		FROM	CDM	
SPACING	24.0"			JREF-	1VXM215	Z04

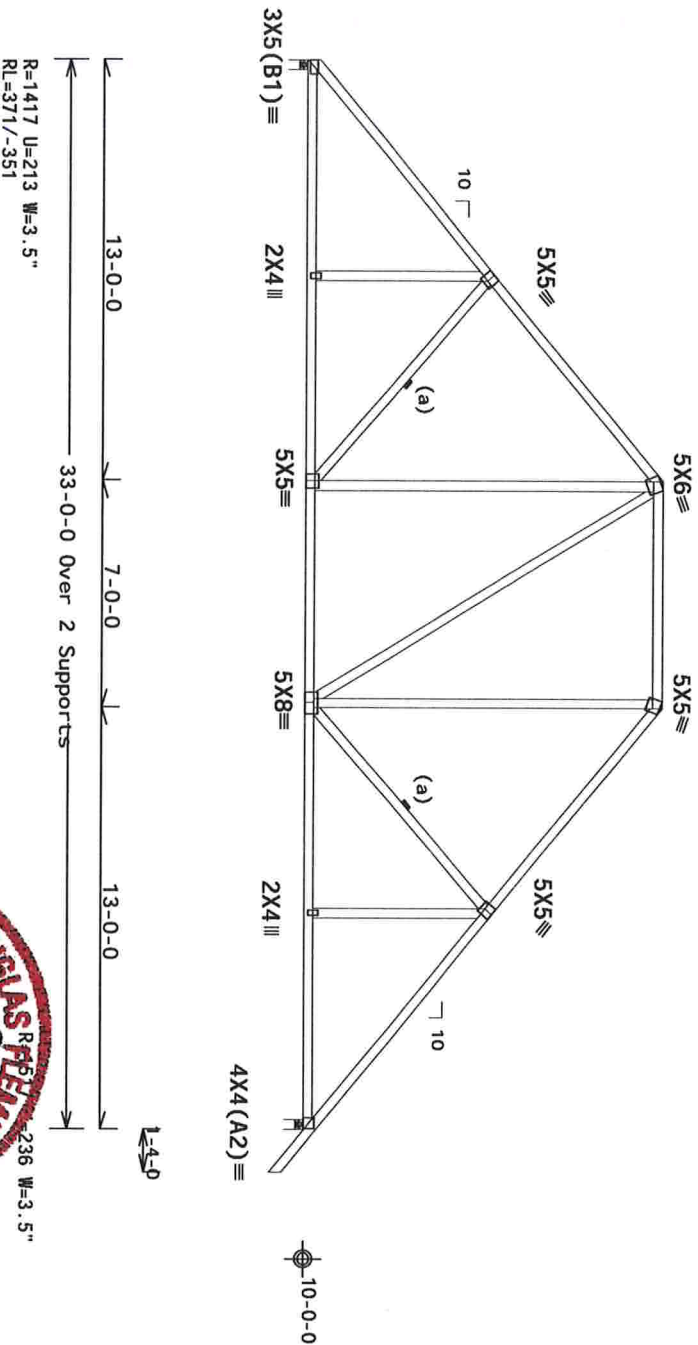
THIS FILE PREPARED FROM COMPILED INDENT / CARS & DIMENSIONAL COMMITTEE BY TRUCKS AND

130 mph wind, 15.26 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf, $G\phi C_i(+/-)=0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MINIERS loads based on trusses located at least 7.63 ft. from roof edge.



R=1417 U=213 W=3.5"
RL=371/-351

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16.01.01.0473.17 OTY 1

L/-/1/-/1/-/R/-

Scale = 1875"/Ft

****WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT!** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

These notes require access to the following information, shipping, installing and handling. For safety practices, consult the latest edition of BCS Building Component Safety Information, by TPI and WCA, for safety practices to performing these functions. Installers shall provide temporary bracing per BCS. Unless noted otherwise, all dimensions are in inches. Locations shown for permanent latching shall be in accordance with the following table. For rigid wall cladding, locations shown for permanent latching shall be in accordance with the following table. For sections 83, 87 or 810, an applicable ACPi places to each face of truss and position as shown above and below the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions.

Alpina, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from this drawing. For questions or to obtain the truss in conformance with ANSI/TPI 1, or for handling, shipping.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine1.com; TPI: www.tpiinst.org; BTCA: www.bctindustry.com; ICC: www.iccinfo.org

T	D	T	S
11.06.04	13.17	017	1

DUR. FAC.	1.25
SPACING	24.0"

FROM CDM
JREF - 1VXM215 Z04

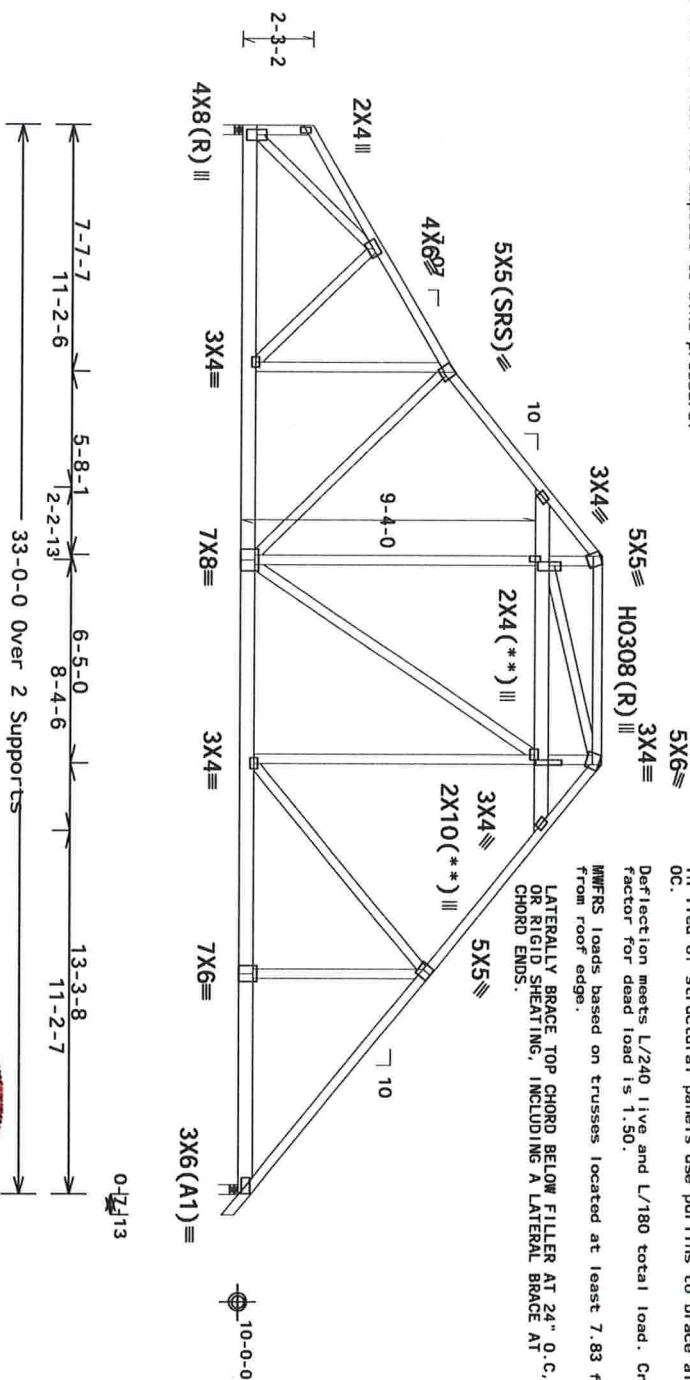
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Special loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC-From	63	p1r	at	0.00	to	63	p1r	at	7.62
TC-From	66	p1r	at	7.62	to	66	p1r	at	13.29
TC-From	63	p1r	at	13.29	to	63	p1r	at	19.71
TC-From	66	p1r	at	19.71	to	66	p1r	at	33.65
BC-From	20	p1r	at	0.00	to	20	p1r	at	33.00
BC-From	5	p1r	at	33.00	to	5	p1r	at	33.65
PLB-136.00	1b	Conc.	Load	at	(13.10, 19.37)				
PLB-1140.00	1b	Conc.	Load	at	(15.10, 19.37)				

Wind loads and reactions based on MMFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.



R=3231 U=585 W=3.5"
RL=321/-307

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2014Res/TP1-2007(STD)

$$FT/RT=20\%(0\%)/10(0)$$

16.01.00.0473.16

L/-/1/-/-/R/-

Scale = .1875"/Ft.

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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AN ITW COMPANY

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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPHINE: www.alphine.com; TPI: www.tpi.net.org; BTDA: www.bda-industry.com; ICD: www.icdusa.org

Professional Engineer Seal for Douglas Fleming, State of Florida, License No. 068848, Exp. 01-01-04.

TOT. LL	20.0 PSF	REF	R215-- 83838
★ DL	10.0 PSF	DATE	01/19/17
★ DL	10.0 PSF	DRW	HCUSTR215 17019146
★ LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEQN-	462432
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1YXM215_Z04

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.137 X 3.0 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.

The maximum horizontal reaction is 321#

(^{2.2}) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements

130 mph wind, 15.67 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

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

MWFRS loads based on trusses located at least 7.83 ft. from roof edge.

LATERALLY BRACE TOP CHORD BELOW FILLER AT 24" O.C.,
OR RIGID SHEATING, INCLUDING A LATERAL BRACE AT
CHORD ENDS.

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - A06)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18

Left end vertical not exposed to wind pressure.

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

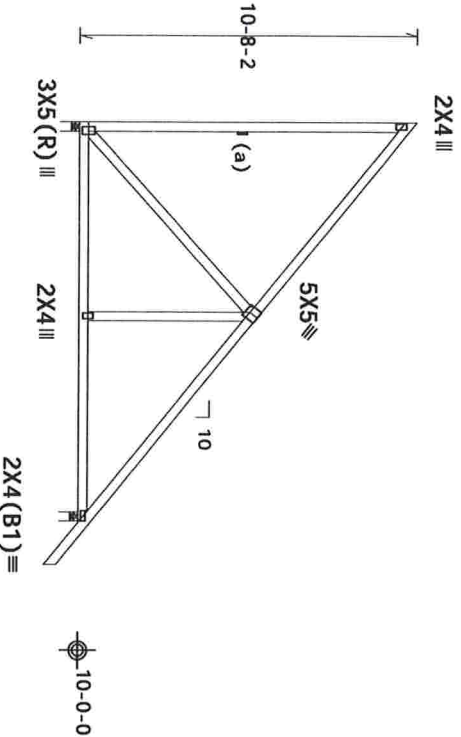
Full Height Blocking reinforcement required to prevent buckling of members over the bearings; bearing 1 located at 0.00'

Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



12-4-0 Over 2 Supports
R=518 U=100 W=3.5"
RL=125/-216
R=638 U=0 W=3.5"

PLT TYP. Wave

Design Crit: FBC2014Res/TPI-2007(STD)
FT/RT=20%(0)/10(0)

16.01.04.04.3.15.07.13

L/-/1/-/-/R/-

Scale = .1875"/Ft.



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Orlando, FL 32837
FL COA #0278

****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****WARNING** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**
The trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WFLA) for safety practices. The top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached field ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI. Sections B1, B2, B3, or B4, as applicable. Apply plates to each face of truss and position as shown above and below the truss. Refer to drawings 10B-2 for standard plate positions.
Alpine, a division of TWP Building Group, Inc., is responsible for any deviation from the installation & bracing of trusses.
A seal on this drawing or cover page indicating this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ASCE/TPI 1 Sec.2.
For more information see this Job's general notes page and these web sites:
ALPINE: www.alpine-twp.com TPI: www.tpiinc.org WFLA: www.structure.com; ICC: www.iccsafe.org



TOT. LL	20.0 PSF	REF	R215-- 83839
TOT. DL	10.0 PSF	DATE	01/19/17
TOT. LL	10.0 PSF	DRW	HCSUR215 17018072
TOT. LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455371
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z04

01/20/2017

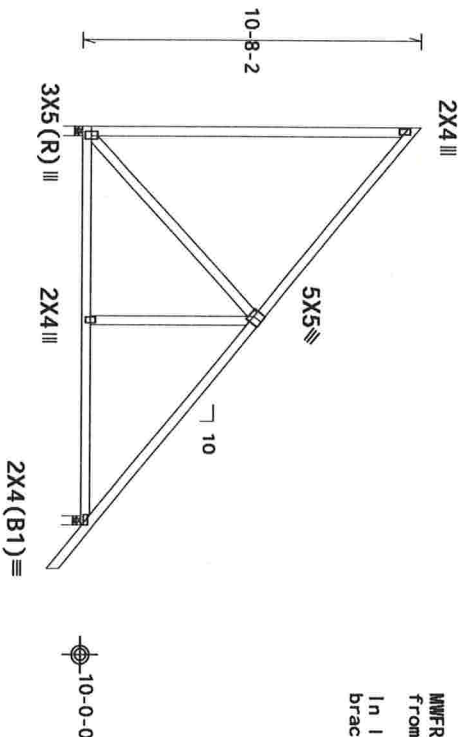
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

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

Trusses to be spaced at 48.0" OC maximum



2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"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.

Full Height Blocking reinforcement required to prevent buckling of members over the bearings:
bearing 1 located at 0.00'

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MMFMS loads based on trusses located at least 15.00 ft. from roof edge.

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3", min. nails

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @12.00" o.c.

Webbs : 1 Row @ 4" o.c.

in each row to avoid splitting.

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Bottom chord checked for 10.00 psf non-concurrent live load

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

MMFRS loads based on trusses located at least 15.00 ft from roof edge.

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

24

Design Crit:	FBC2014Res/TP1-2007(STD)
	FT/RT=20%(0%)/10(0)

16.391.06\0413.17 QTY:1 F-/-/1/-/-/R/-

Scale = .1875"/Ft.

****TURNING:** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

AN ITW COMPANY

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FL COA #0278

For more information see this job's opening notes page and these web sites:
 APDLINE: www.apdline.be.com; TPI: www.tpi.net; or BTCL: www.btblindustry.com; IOL: www.iol.com.br

ADDITIONAL EN

DUR.FAC.	1.25	FROM CDM
SPACING	48.0"	JREF - 1VXM215_Z04

01/20/2017

THIS PAGE PREPARED FROM COMPILED INPUT (1000000) SUBMITTED BY TRUSS AND

2 COMPLETE TRUSSES REQUIRED

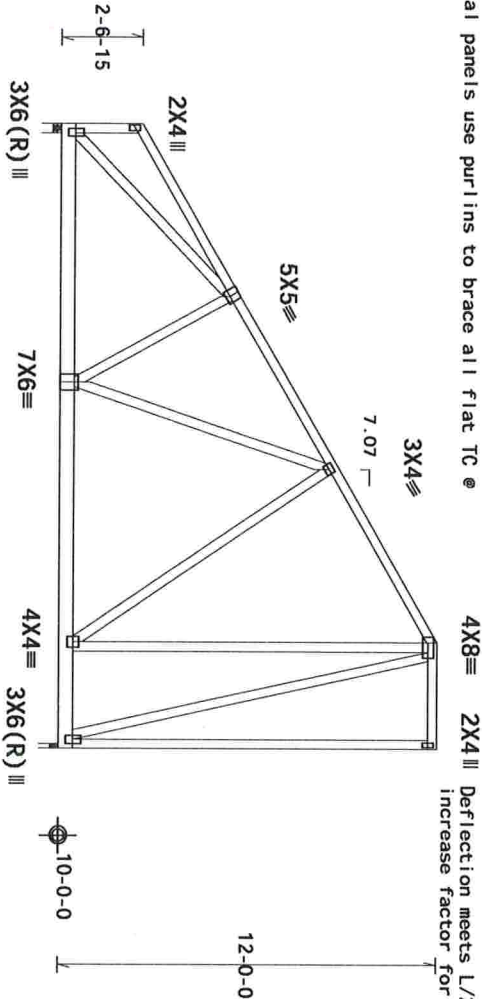
Top Chord: 1 Row @12.00" o.c.

webs : 1 Row @ 4" O.C.



Wind loads and reactions based on MWFRS.

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



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

Diagram of a beam with dimensions and reactions:

- Beam length: 15'-11-14"
- Supports: 19'-3-8" Over 2 Supports
- Reaction at left support: $R = 1873 \text{ U} = 387 \text{ W} = 3.472''$
- Reaction at right support: $R = 2443 \text{ U}$

R=2443 U=496 W=1

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

$$FT/RT=20\%(0\%)/10(0)$$

1.0910423.18

F. / - / 1 / - / - / R / -

Scale = .1875"/Ft.

••WARNING!•• READ AND FOLLOW ALL NOTES ON THIS DRAWING!
••IMPORTANT!•• FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.com; TPI: www.tpi.net; WTA: www.wta.com; ICF: www.icf.com

DUR. FAC.	1.25
SPACING	24.0"

FROM CDM

015 704

01/20/2017

THIS PAGE CONTAINS INFORMATION FROM CONFIDENTIAL SOURCES

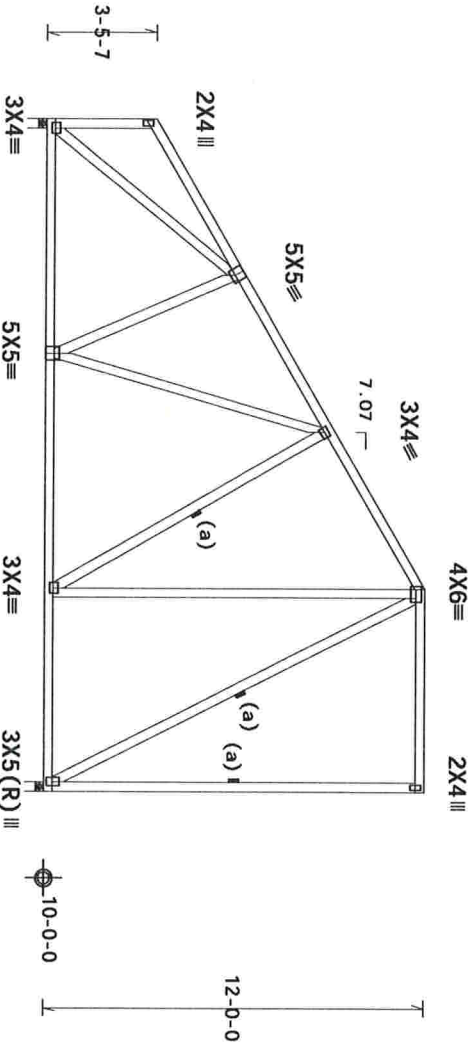
130 mph wind, 17.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $G\phi_i(+/-)=0.18$

Wind loads and reactions based on MNFRS with additional C&C member design.

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

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

MMFRS loads based on trusses located at least 8.86 ft. from roof edge.



R=858 U=239

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0) $FT/RT=20\%(0\%)/10(0)$

16-01-0423 1X-OT

11/11/11/B/

Scale = 1875"/E+

*****WARNING!*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

40.00040

TCLL	20.0 F
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Scale = 10/0 / 1 C.

REF R215-- 83842

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Orlando, FL 32837

FL COA #0278

ALPINE: www.alpineinc.com; TPI: www.tpi.net.org; WTCA: www.sbcindustry.com; ITC: www.intrafa.org

100

SPACING 24.0"

REF- 1VXM215 704

01/20/2017

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

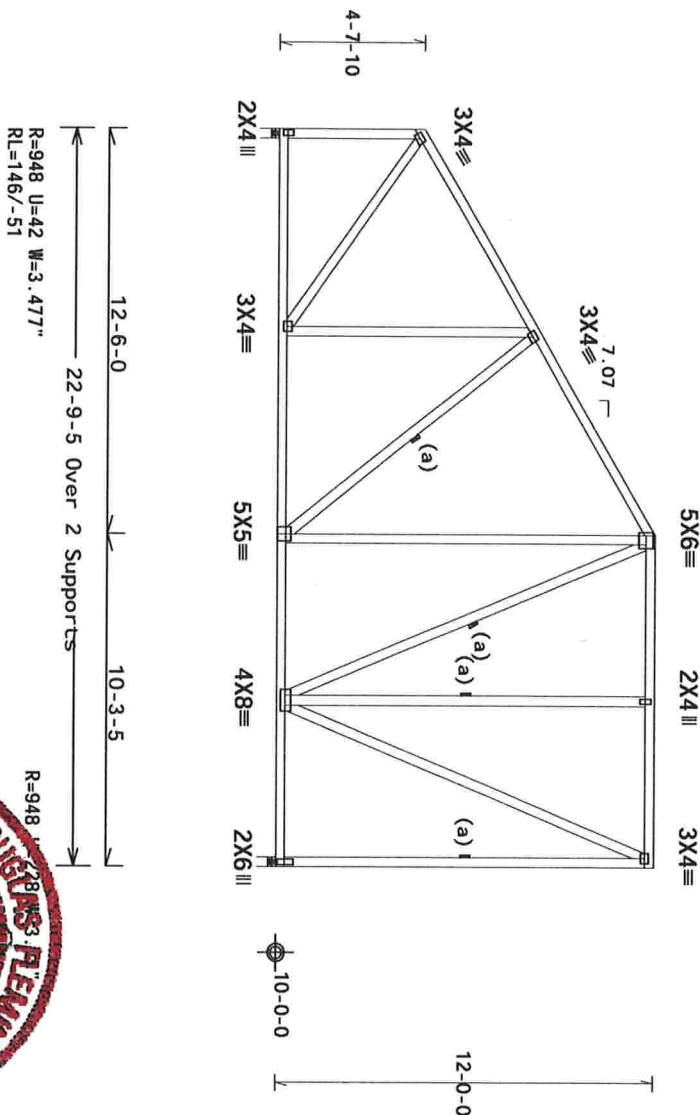
130 mph wind, 18.32 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load

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

MINFRS loads based on trusses located at least 18.32 ft from roof edge.



PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD),
FT/RT=20%(0%)/10(0)

16.01.001.0423.17 ~~QTY: 1~~

R/-/-/1/-/-/R/-

Scale = .1875"/Ft

*****WARNING!*** READ AND FOLLOW ALL NOTES ON THIS DRAINING!**
****IMPORTANT** FURNISH THIS DRAINING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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AN ITW COMPANY

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Orlando, FL 32837
FL COA #0278

[illegible]

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebtv.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccusafo.org

TC LL	20.0 PSF	REF	R215-- 83843
TC DL	10.0 PSF	DATE	01/19/17
DR DL	10.0 PSF	DRW	H05R215 17019128
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455367
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z04

01/20/2017

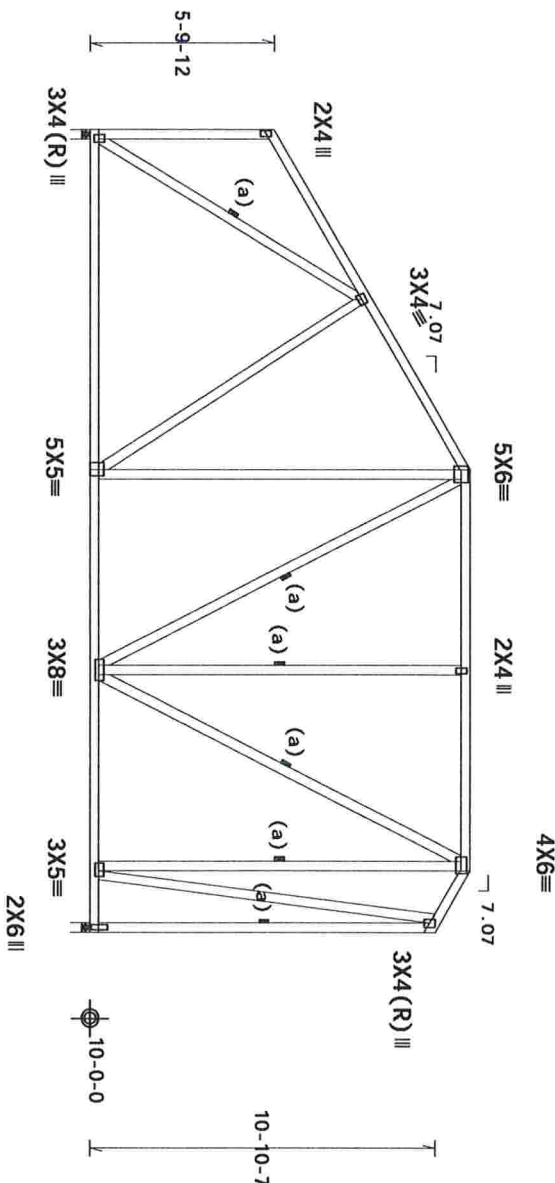
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

130 mph wind, 18.91 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MNRFS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MINORS loads based on trusses located at least 18.91 ft from roof edge.



10-6-0 12-4-5 1-11-0
24-9-5 Over 2 Supports
R=1037 U=83 W=3.479"
FL=131/-64

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD,
FT/RT=20%(0%)/10(0))

16.01.00.043.17 QTY:1 A-/-/1/-/-/R/- Scale = .1875"/Ft.

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineba.com; TPI: www.tpiinc.org; BDO: www.bdoindustry.com; ICC: www.iccbuild.org

Scale = .1875"/Ft.	
REF R215-- 83844	
DATE 01/19/17	
DRW H05R215 17019127	
HC-ENG KD/DF	
SEQN- 455365	
TOT. LD. 40.0 PSF	
HC LL 0.0 PSF	
HC DL 10.0 PSF	
TC DL 10.0 PSF	
TC LL 20.0 PSF	
DUR. FAC. 1.25	
SPACING 24.0"	
JREF- 1VNM215_Z04	

THIS FILE DERIVED FROM COMPILED INPUT (1 CARD & 11 FUNCTIONS) SUBMITTED BY THIS USER

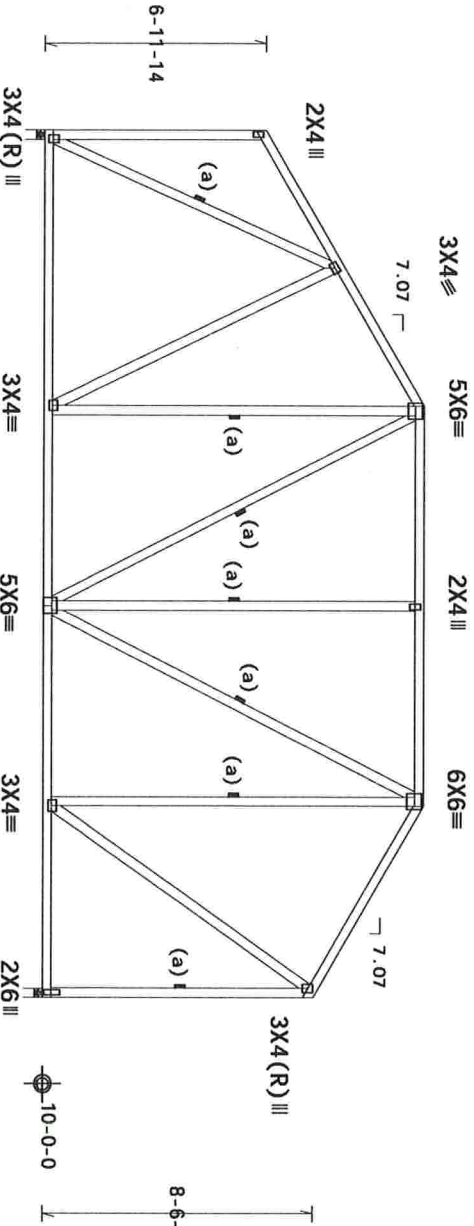
130 mph wind, 19.50 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $G\phi_{cl} (+/-)=0.18$

Wind loads and reactions based on MNFRS with additional C&C member design.

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

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

MINNERS loads based on trusses located at least 19.50 ft. from roof edge.



8-6-0 12-4-5 5-11-0
 26-9-5 Over 2 Supports
 R=1120 U=113 W=3.482"
 RL=124/-104
 R=1119 U=113 W=3.45"
 RL=124/-104

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20(0%)/10(0)

FT/RT=20%(0%)/10(0)

16:01:00.0413.17. QTY

L/-/-/1/-/-/-/R/-

Scale = .1875"/Ft.

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

10.0000

TC LL	20.0 F
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REF R215-- 83845



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineintl.com; TPI: www.tpinet.org; ITCA: www.sbcindustry.com; ICC: www.iccsafe.org

DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1VXM215 Z04

01/20/2017

THIS DWG PREPARED FROM COMPILED INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS WFO

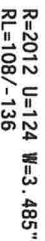
130 mph wind, 16.67 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GC*o*i (+/-)=0.18

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.11" DL: 0.19". See detail DEFLCMB1014 for camber recommendations. Provide for adequate drainage of roof.

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

MINIFRS loads based on trusses located at least 16.67 ft.

 $4X6 \equiv$ 

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

16.01.00.0413.1X QTY

U/-/1/-/-/R/-

Scale = 1875"/Ft

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

1.06.0413.11 QTY 1
No. 068646
U=97

DOUGLAS FLEMING
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE

TOT. LL	20.0	PSF	REF R215-- 83846
HC DL	10.0	PSF	DATE 01/19/17
BE DL	10.0	PSF	DRW HCUR215 17019129
HC LL	0.0	PSF	HC-ENG KD/DF
TOT. LD.	40.0	PSF	SEQN- 456350
DUR. FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1VXM215 Z04

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

Wind loads and reactions based on MMFRS with additional C&C member design.

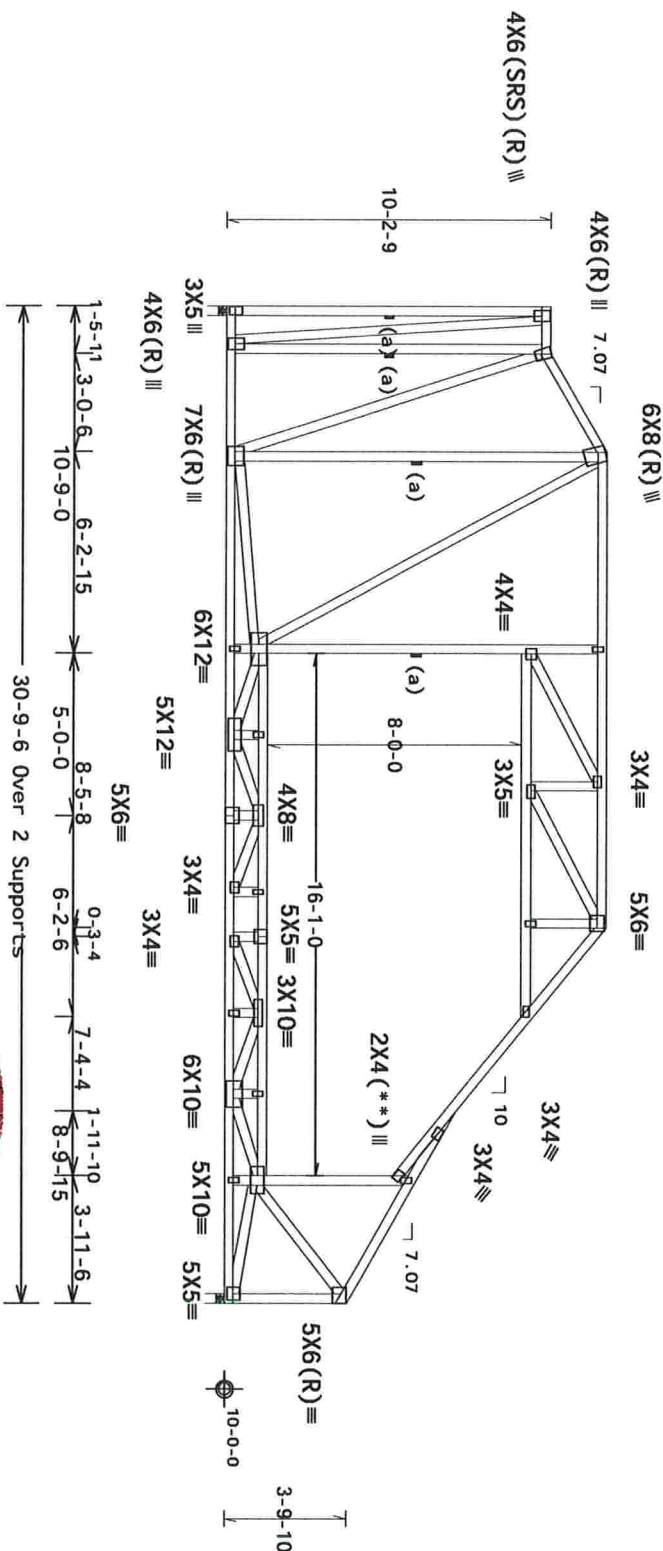
End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.27" DL: 0.49". See detail DEFLCMB1014 for camber recommendations. Provide for adequate drainage of roof.

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

Attic room loading from 10-9-0 to 26-10-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

MMFRS loads based on trusses located at least 16.67 ft from roof edge.



R=2157 U=195 W=3.488"
RL=106/-162

RL=106/-162

R=2627 U=85 W=3.5"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2014Res/TP1-2007(STD)

PLT TYP. Wave

$$FT/RT = 20\%(0\%)/10(0)$$

16:01.00.0423.17

L/-/1/-/-/R/-

Scale = .1875"/Ft.

TRAINING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

ALPINE
AN ITW COMPANY

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Orlando, FL 32837
FL COA #0278

[illegible]

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetec.com; TPI: www.tpinet.org; BTCA: www.abctindustry.com; ICC: www.icctafo.org

DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

01/20/2017

THIS PWC PREPARED FROM COMPILED INPUT (GRADE 8 DIMENSIONAL) SUBMITTED BY TWICE AND

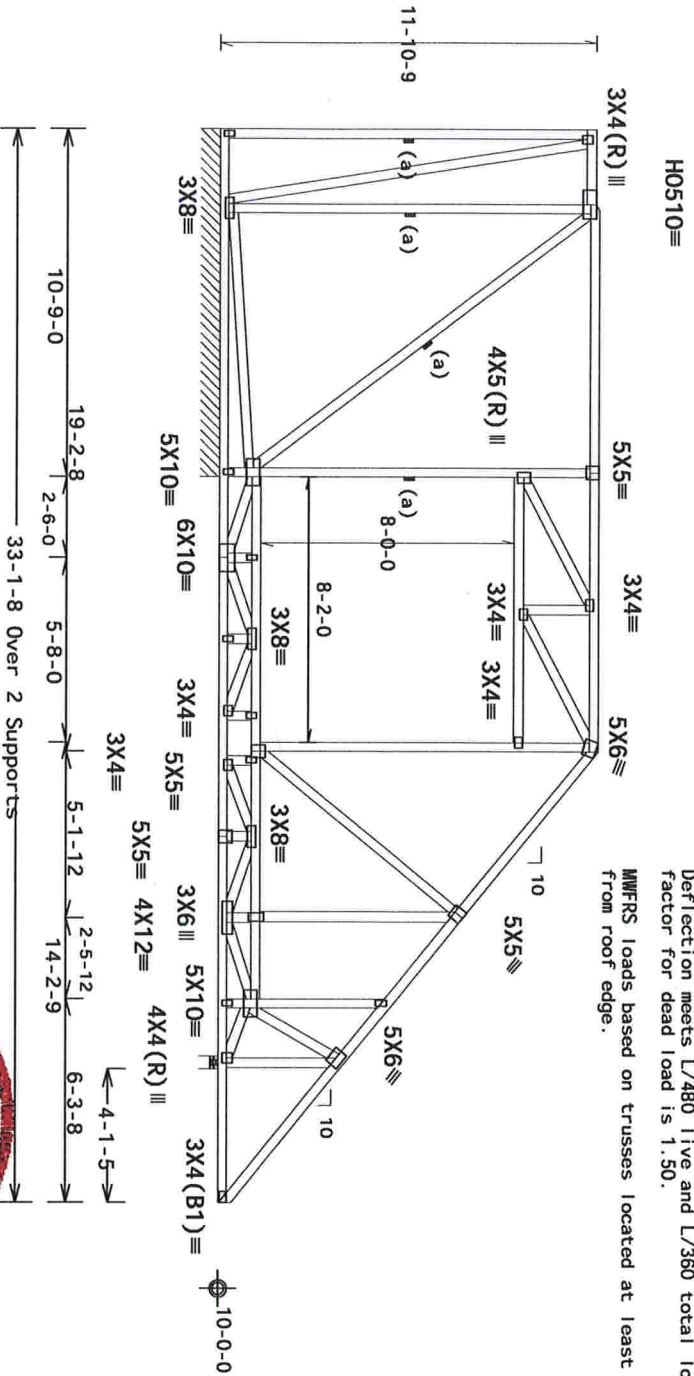
130 mph wind, 16.20 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf $G C F_{\text{net}}(4/7)=0.18$

Right canti lever is exposed to wind

(a) Continuous lateral restraint equally spaced on member.

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

Attic room loading from 10-9-0 to 18-11-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF



R=10

Design Crit: FBC2014Res/TP1-2007(STD)

BC2014Res/1F1=200/(31D)
FI/RT=20%(0%)/10(0)

~~FR/-/1/-/-/B/-~~

Scale = 1875"/Ft

[illegible]

STATE OF
FLORIDA
PROFESSIONAL
ENGINEER

For more information see this job's general notes page and those with stars:
ALPINE: www.alpinealpine.com; TPI: www.tpiinst.org; BTCA: www.abciindustry.com; ICC: www.iccsafero.org

DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215 Z04

THIS FILE PREPARED FROM COMPILED INPUT (1 CARD - 1 LINE) SUBMITTED BY TELIC AND

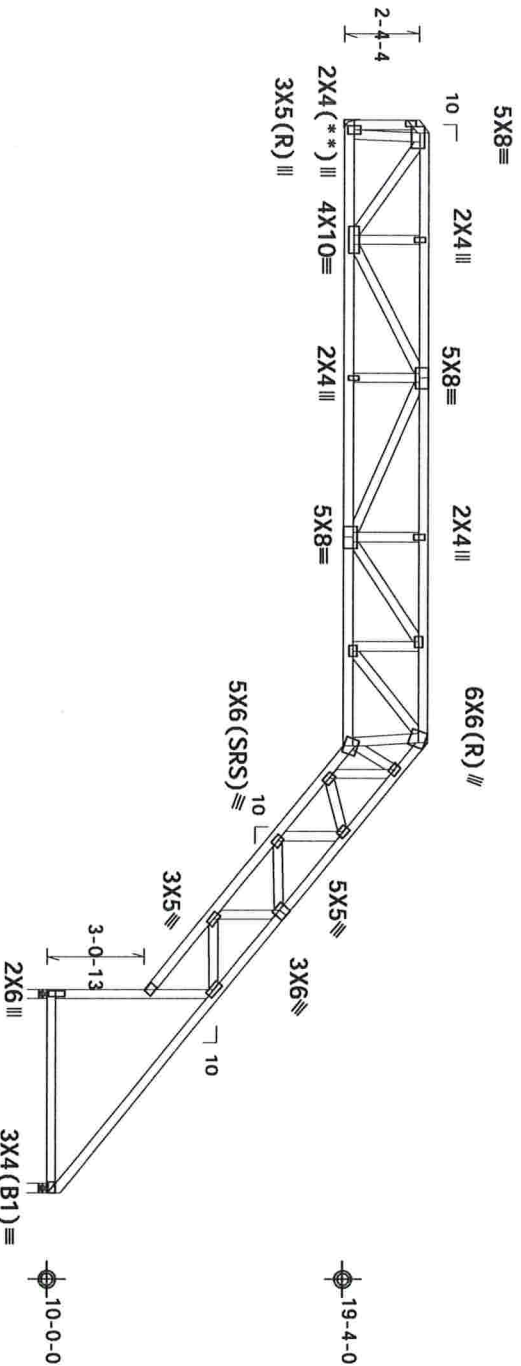
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

130 mph wind, 16.20 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GC*Di*(+/-)=0.18

within 9.00 ft from roof edge, K15
wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.
 MNFRS loads based on trusses located at least 8.10 ft.
 from roof edge.



R=1140 U=149
RL=178/-371

The diagram shows a cross-section of a roof with several segments. From left to right, the segments are:

- A vertical segment labeled "1-4-9".
- An inclined segment labeled "18-9-15".
- A horizontal segment labeled "19-3-12".
- A long horizontal segment labeled "33-1-8 Over 3 Supports".
- An inclined segment labeled "7-6-4".
- A horizontal segment labeled "13-11-1".
- A final inclined segment labeled "6-3-8".

Dimensions are indicated by arrows along the top and bottom edges.

1664-5087-3

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

16. 01.06.2016

Scale = .1875"/Ft.

..WARNING!.. READ AND FOLLOW ALL NOTES ON THIS DRAWING!
..IMPORTANT.. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE

1990-1991

TC L	20.0 F
------	--------

REF R215-- 83849



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinehwy.com; TPI: www.tpi-usa.org; BTCA: www.btcaindustry.com; ICC: www.iccsa.org

DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

01/20/2017

THIS PAGE PREPARED FROM COMPUTER INPUT (10ANS & DIMENSIONS) SUBMITTED BY TRISS MEY

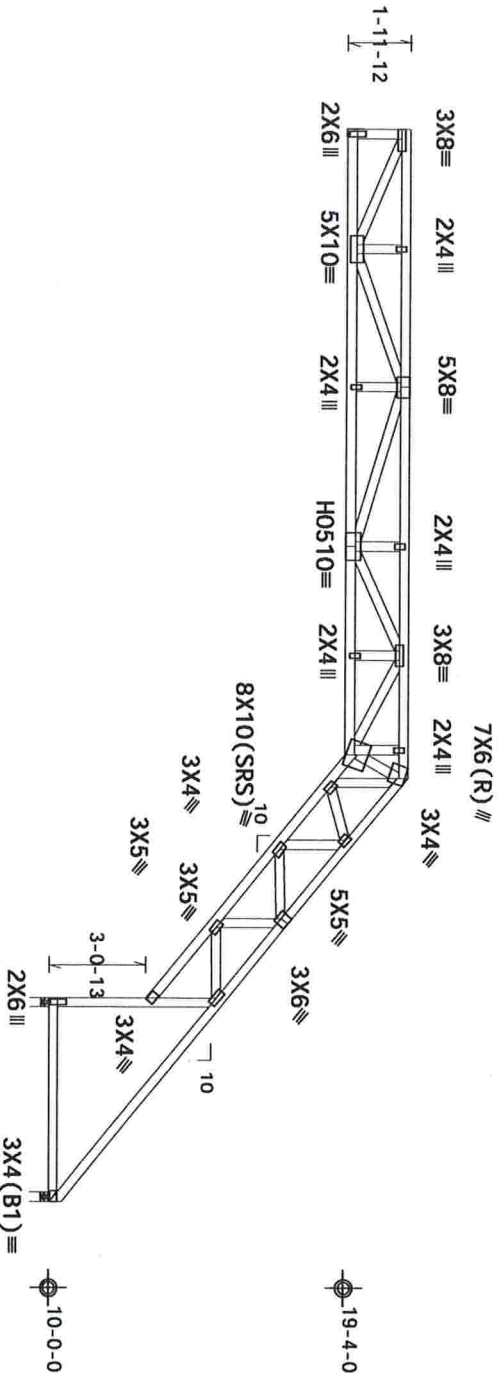
130 mph wind, 15.86 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load. Creep increase

factor for dead load is 1.50.



26-10-0
 20-0-5
 19-3-12
 33-1-8 Over 3 Supports
 7-6-4
 13-1-3
 6-3-8
 6-3-8

R=1136 U=150
 RL=166/-357
 H=H1

R 1136 U 150
 RL 166/-357
 H=H1

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

$$FI/RI=20\%(0\%)/10(0)$$

1-800-442-1634 CITY

Fi/-/-/1/-/-/-/R/-/-

Scale = 1875"/Ft+

••WARNING!•• READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 ••IMPORTANT•• FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

20.0 F

REF B215-- 83850



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpinet.org; BTCA: www.bstairindustry.com; ICC: www.iccsafe.org



SPACING 24.0"

FROM CDM
JREF - 1VXM215 Z04

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - C01)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing requirements.

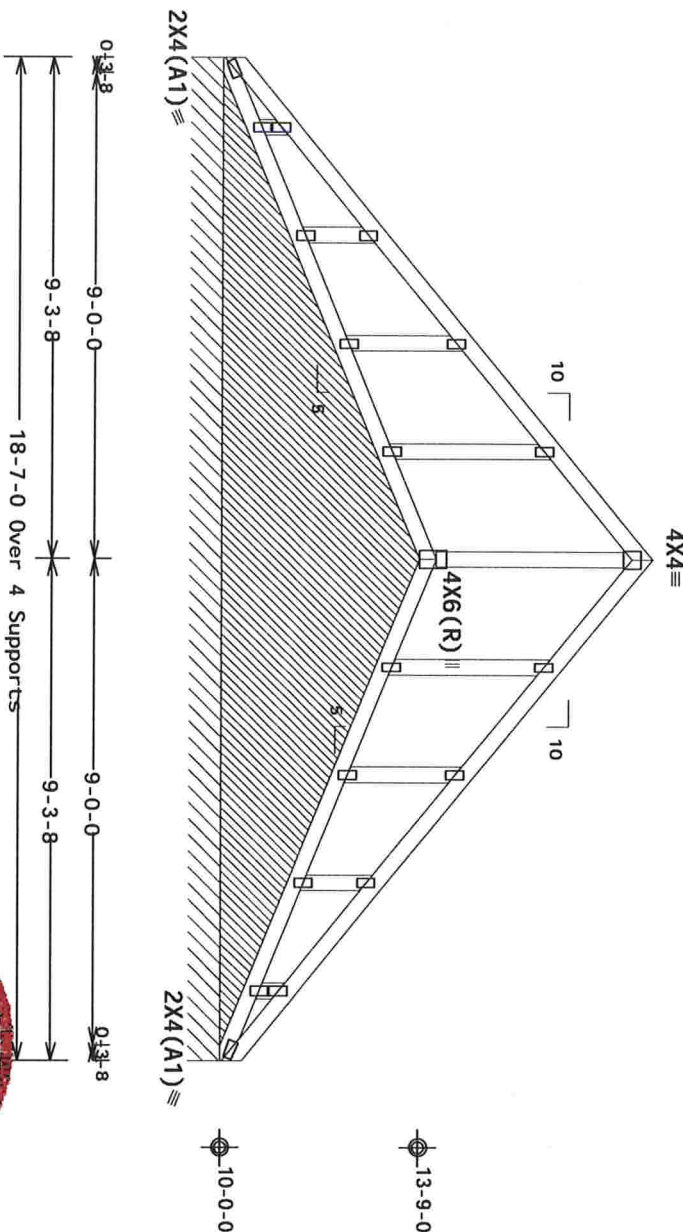
Shim all supports to solid bearing.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=88 PLF R_w=89 PLF U=32 PLF W=18-7-0
RL=12/-12 PLF

Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

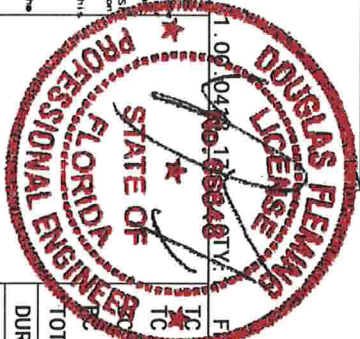
IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Orlando, FL 32837
FL COA #0218

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety precautions for performing these functions. Indicators shall provide temporary bracing per BCSI. Unless noted otherwise, the truss shall be installed in accordance with the BCSI. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss, and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this design. The user of this drawing shall be responsible for any deviation from this design. The user of this drawing shall be responsible for any deviation from this design. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The availability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec.2.

ALPINE: www.alpineinc.com; TPI: www.tpiinc.org; WTCA: www.abnindustry.com; ICD: www.icdafe.org



01/20/2017

TC L	20.0 PSF	REF R215-- 83851
TC DL	10.0 PSF	DATE 01/19/17
BC DL	10.0 PSF	DRW HUSR215 17019133
BC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455449
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - CO2)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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

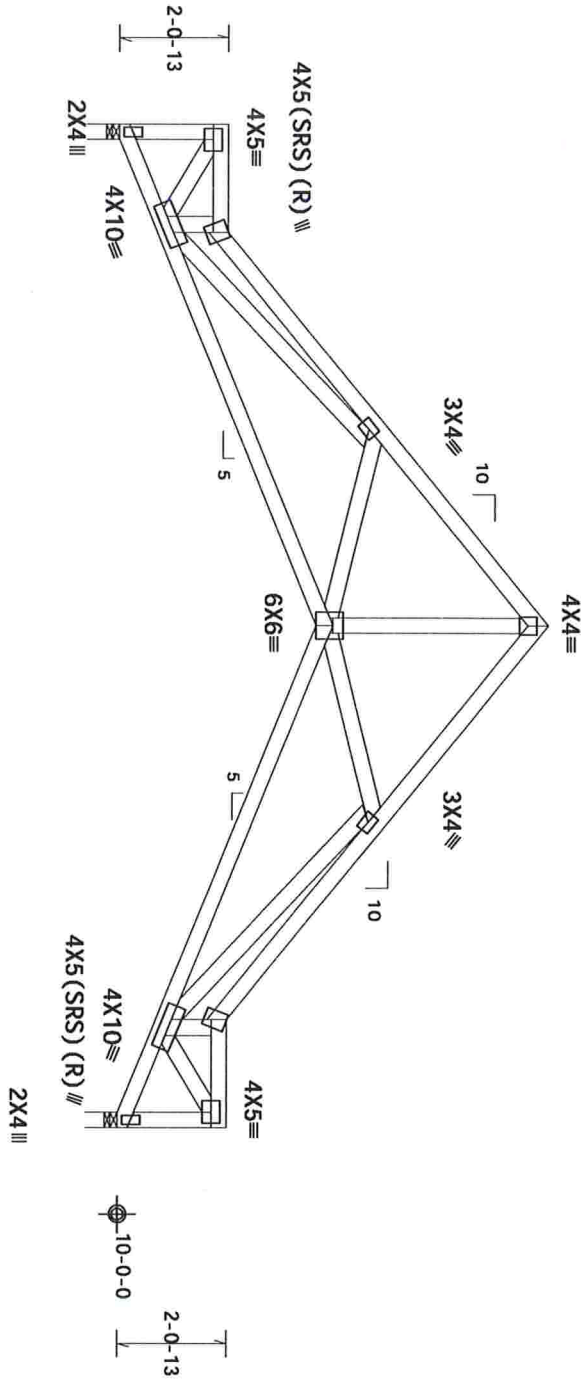
Bottom chord checked for 10.00 psf non-concurrent live load.

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

130 mph wind, 15.11 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



R=815 U=113 W=3.5"
RL=181/-181

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007 (STD)
FT/RT=20%(0%)/10(0)

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING.
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Orlando, FL 32837
FL COA #0278

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WDO) for safety practices for performing truss functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all bracing shall be installed in accordance with BCSI. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. Alpine, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from this design. Trusses in conformance with AISI/TPI 1, or for handling, shipping.

A seal on this drawing or cover page listing this drawing, indicating acceptance of professional engineering responsibility solely for the design shown. The sealability and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec. 2.

ALPINE: www.alpineinc.com; TPI: www.tpinet.org; WDO: www.alpineindustry.com; ICC: www.iccsafe.org



TC	L	20.0 PSF	REF	R215--	83852
TC	DL	10.0 PSF	DATE	01/19/17	
DRW	HCUR215	17019134			
HC-ENG	KD/DF				
TOT. LD.	40.0 PSF		SEQN-	455399	
DUR. FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1VXM215_Z04	

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - C03)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 15.94 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

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

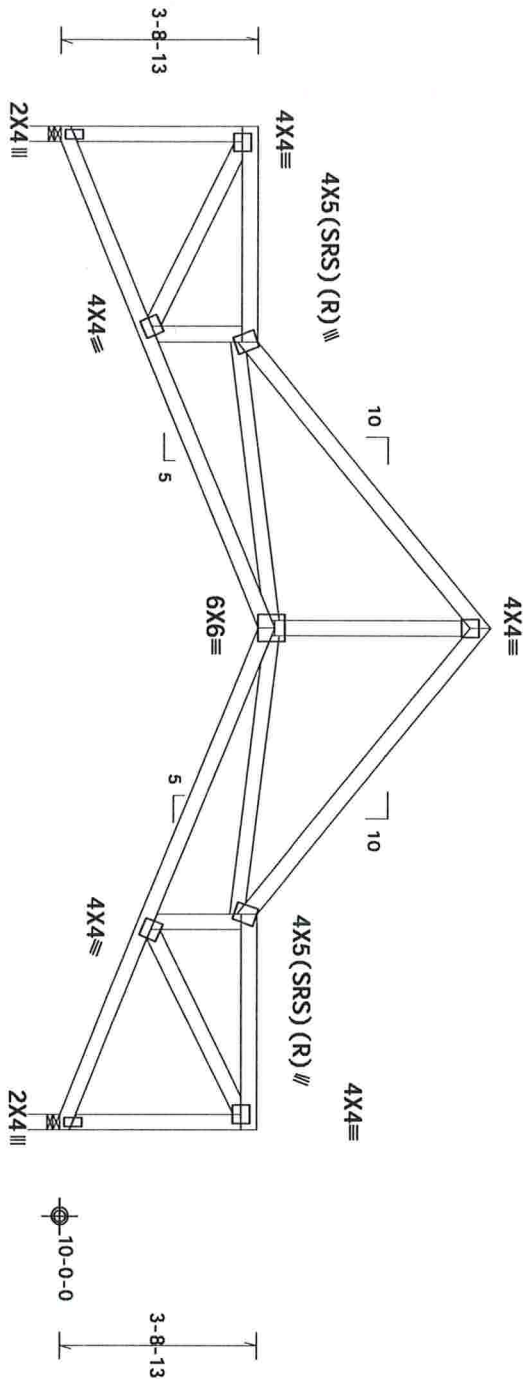
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Wind loads and reactions based on MMFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.



4-0-0 9-3-8 5-3-8 18-7-0 Over 2 Supports 5-3-8 9-3-8 4-0-0

3-8-13

R=815 U=129 W=3.5"

RL=132/-132

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Orlando, FL 32837
FL COA #0278

ALPINE: www.alpineinc.com; TPI: www.trusscraft.com; BTCA: www.btresearch.com; IBC: www.internationalbuildingcode.org



TC LL	20.0 PSF	REF R215-- 83853
DL	10.0 PSF	DATE 01/19/17
DL	10.0 PSF	DRW HCUR215 17019135
DL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455398
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - 004)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

End verticals not exposed to wind pressure.

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

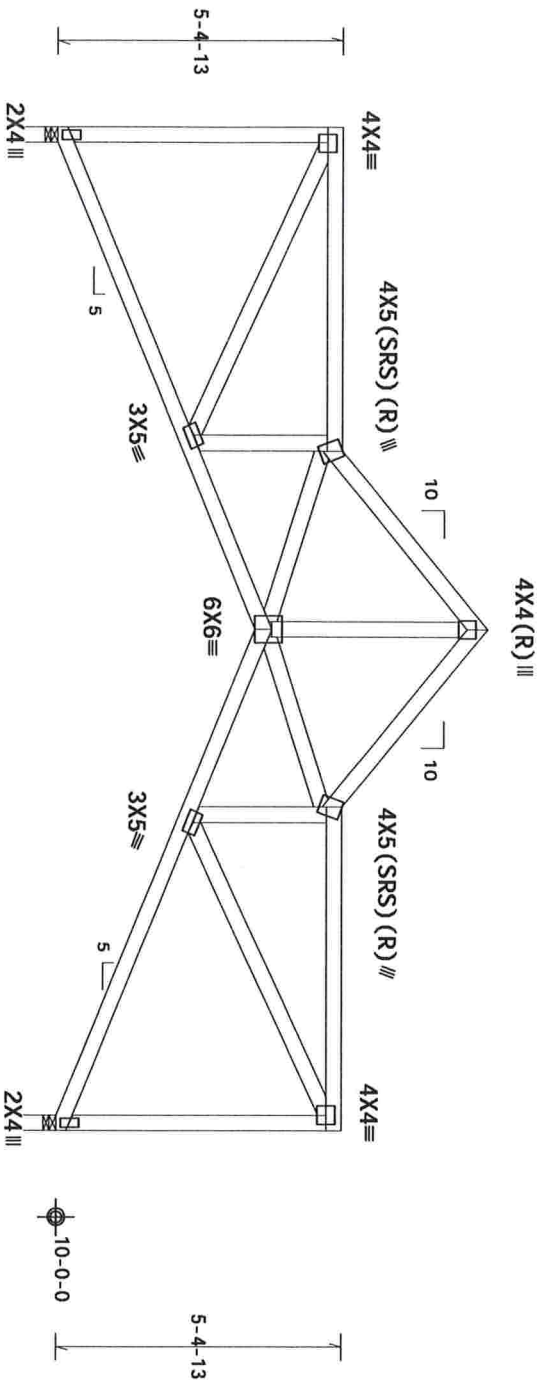
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

130 mph wind, 16.77 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPi(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



6-0-0 9-3-8 3-3-8 3-3-8 3-3-8 9-3-8 6-0-0
18-7-0 Over 2 Supports
R=815 U=146 W=3.5"
RL=81/-81

PLT TYP. Wave

Design C-rit: FBC2014Res/TPI-2007(STD)

FT/RT=20%(0%)/10(0)

16.01.05.04.13.15 OTY 1

Scale = .3125"/Ft.



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Orlando, FL 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS DRAWING.
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WCA for safety precautions to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be installed in accordance with the BCSI (Building Component Safety) Information, by TPI and WCA. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions.
Alpine, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from the design of this truss system. Trusses in conformance with AISI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec. 2.

ALPINE: www.alpineinc.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org
For more information see this job's general notes page and these web sites:



TOT. LL	20.0 PSF	REF	R215-- 83854
TOT. DL	10.0 PSF	DATE	01/19/17
TOT. DL	10.0 PSF	DRW	HOURS215 17019136
TOT. LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD	40.0 PSF	SEQN-	455397
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1VXM215_Z04

01/20/2017

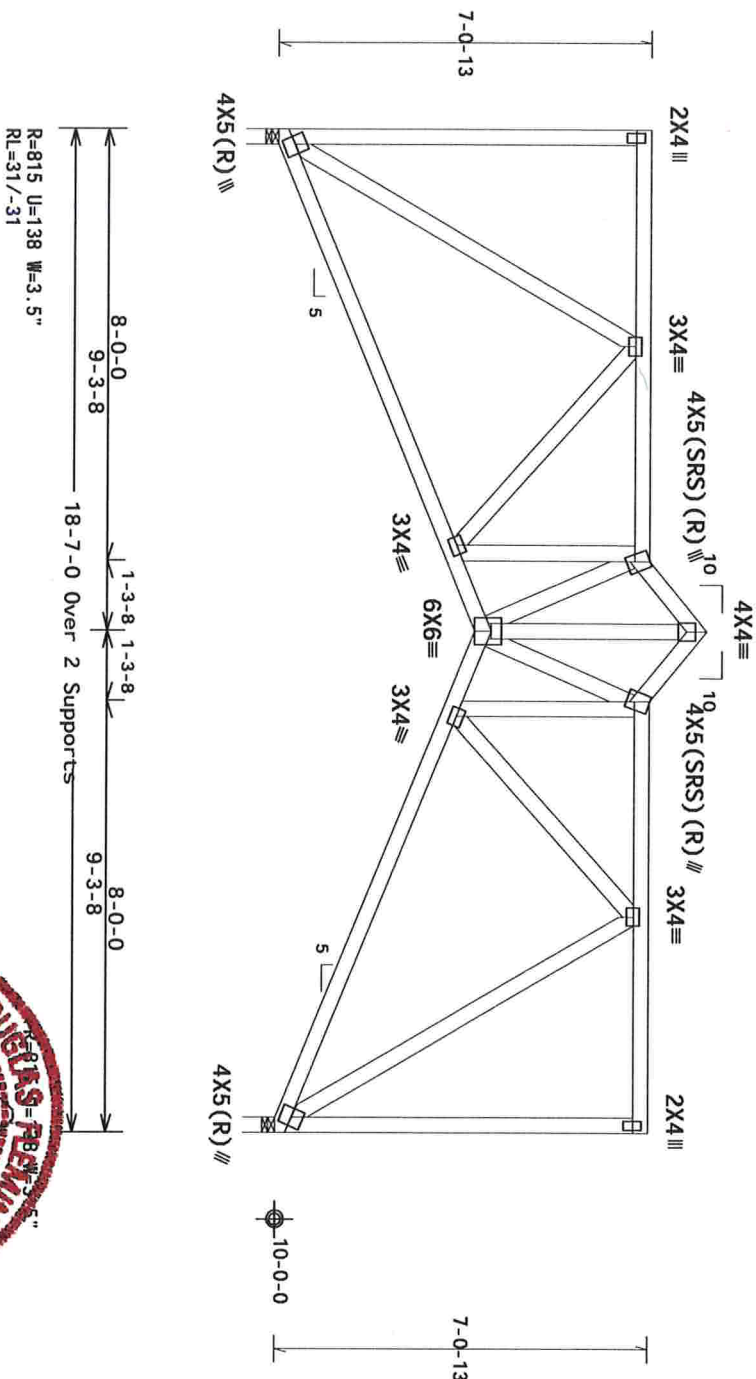
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

130 mph wind, 17.61 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load

from roof edge.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .3125"/Ft.



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FL COA #0278

Trusses, reduction of stress in fabricating, bending, shipping, installing and bracing. Refer to and for the latest edition of BCSI Building Component Safety Information, by TPI and WFLA for safety practices on roof cladding. For information on how to properly attach trusses to a wall, see the BCSI Building Component Safety Information, by TPI and WFLA for safety practices on rigid metal framing. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI Building Component Safety Information, by TPI and WFLA for safety practices on rigid metal framing. Apply to plates on each face of truss and position as shown above and detail as shown for other truss types. For standard plate positions.

Aluma, a division of TPI Building Components Group, Inc. shall not be responsible for bracing from this detailing. Any failure to build the truss in conformance with ANSI/TPI-1, or for handling, shipping, installing and bracing of trusses.

A seal on this drawing or cover page listing this detailing indicates acceptance of professional engineer/inspector of the Building Component per ANSI/TPI-1 Sec.2.

A seal on this drawing or cover page listing this detailing indicates acceptance of professional engineer/inspector of the Building Component per ANSI/TPI-1 Sec.2.

For more information, see CRIS 300's general notices page and these web sites:
ALPINE: www.alpine12r.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

01/20/2017

TC LL	20.0 PSF	REF	R215--	83855
TC DL	10.0 PSF	DATE	01/19/17	
80 DL	10.0 PSF	DRW	HOUSE215	17019137
FC LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455396	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF -	1VXM215_Z04	

(16-0992-/HUBBART RESIDENCE /SPARKS CONST. ---, FL - C06)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 18.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind BC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

End verticals not exposed to wind pressure.

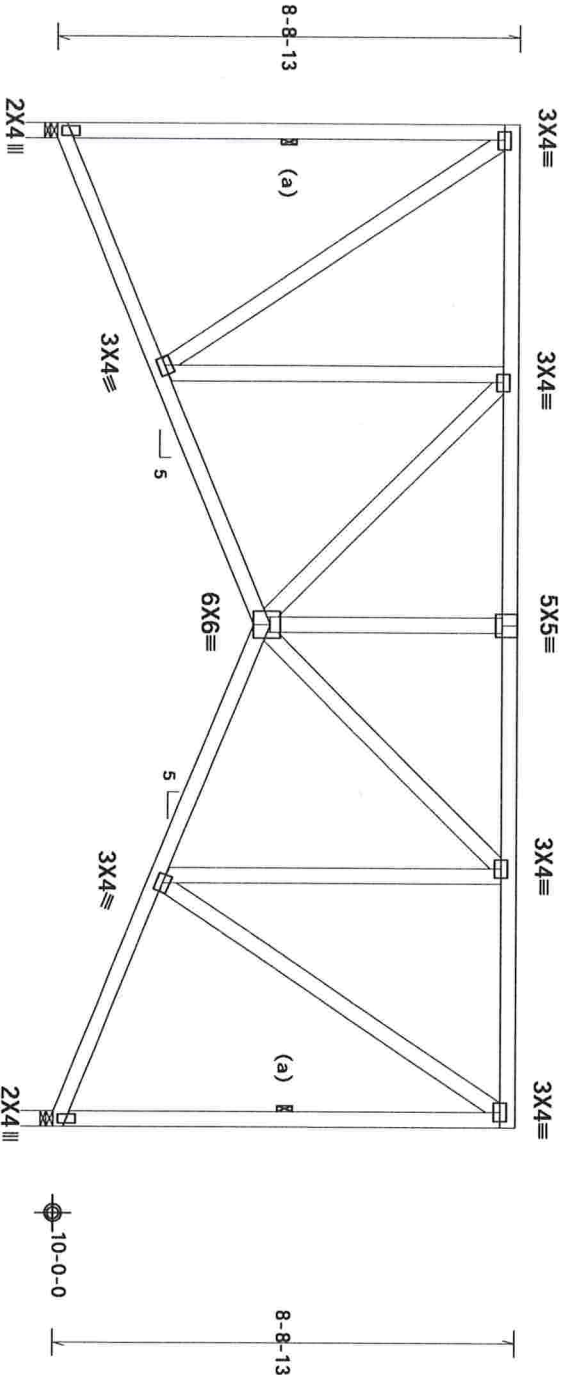
Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MMFRS loads based on trusses located at least 9.37 ft. from roof edge.



9-3-8 18-7-0 Over 2 Supports 9-3-8
R=759 U=183 W=3.5"

PLT TYP. Wave

Design Crit: FBC2014Res/TP1 -2007 (STD)
FT/RT=20%(0%)/10(0)

16-01-09 10448.17 01/19/17

Scale = .3125"/Ft.



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****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to erection. Trusses shall be erected in accordance with the BCSI/TP1 1, or for handling, shipping, and erection, a division of the Building Components Group Inc. shall not be responsible for any deviation from this document. Trusses shall be erected in accordance with BCSI/TP1 1, or for handling, shipping, and erection, a division of the Building Components Group Inc. shall not be responsible for any deviation from this document. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ASCE/TP1 1 Sec.2.
ALPINE: www.alpineinc.com; TPI: www.tpiinc.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R215-- 83856
TC DL	10.0 PSF	DATE 01/19/17
BC DL	10.0 PSF	DRW HOURS215 17019138
BC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEON- 455395
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

01/20/2017

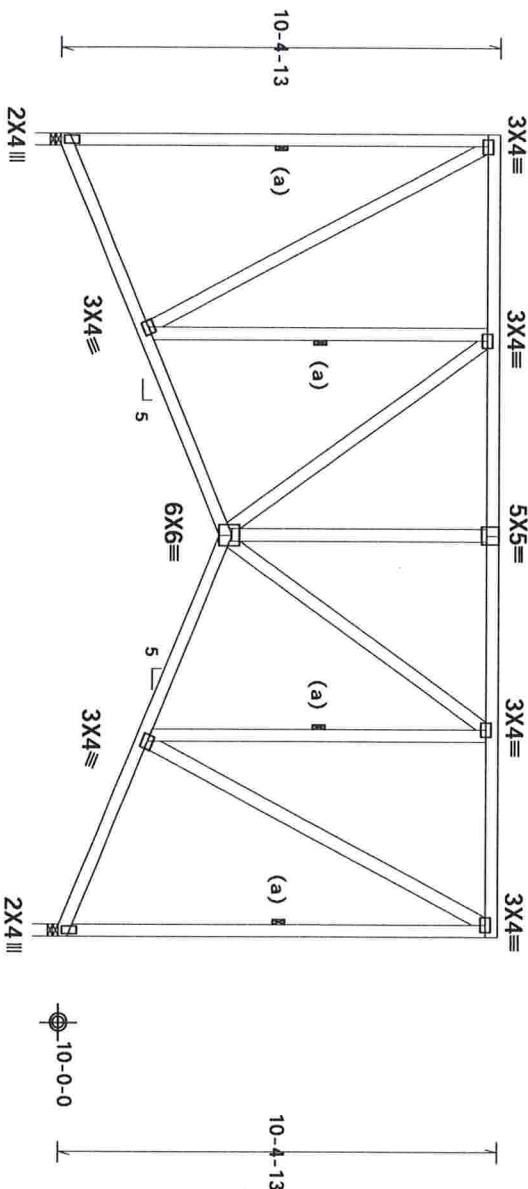
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

130 mph wind, 20.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load

MMFRS loads based on trusses located at least 10.20 ft from roof edge.



9-3-8 18-7-0 Over 2 Supports 9-3-8
R=759 U=204 W=3.5"

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

QTY: 091043.17

F/-/-/1/-/-/R/-/-

Scale = .25"/Ft.



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FL COA #0278

This drawing is not intended to be used as a design tool. The latest edition of BS51 (Building Components: Safety Information) by BSI, contains information on performing these functions. Installers must provide temporary bracing per BS51. Unbraced external wall sections must be supported by a permanent internal bracing system for all external wall sections. Rigid wall sections 80, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and of the joint. Beams, trusses, notched otherwise. Refer to drawings 100A-2 for standard plate positions.

Apply a division of the building components. Good practice shall not be responsible for any deviation from this drawing in accordance with BS51/791 or for handling any shipping.

A seal on this drawing or cover page listing this drawing, indicates compliance of professional engineering drawings with the relevant standards. This drawing and use of this drawing for any structure is the responsibility of the user.

For more information see this job's general notice page and these web sites:
 www.alpine1.co.uk; TPI: www.tpi.mst.org; WTC: www.sbcindustry.com; ICC: www.iccmale.org

TC, LL	20.0 PSF	REF	R215--	83857
TC, DL	10.0 PSF	DATE	01/19/17	
80, DL	10.0 PSF	DRW	H05R215	17019006
8, LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEON-	455391	
DUR. FAC.	1.25	FROM	CDM	

01/20/2017

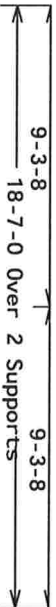
THIS DRUG PREPARED FROM COMPUTER INPUT (1 NAME & DIMENSIONS) SUBMITTED BY TDISS MFR

130 mph wind, 22.07 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf $G C F (4/7) = 0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 11.03 ft. from roof edge.



R=759 U=225 W=3.5"

FT/RT=20%(0%)/10(0)

Scale = .1875"/Ft.

****WARNING!****
READ AND FOLLOW ALL NOTES ON THIS DRAWING!
*****IMPORTANT*****
THIS DRAWING TO ALL CONTRACTORS. READ UNLESS THE CONTRACTOR HAS

10. 600-40

2000

DEC D31E 030E0

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine1.com; TPI: www.tpi.net.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

SPACING	24.0"	JREF - 1VXM215 Z04
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01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - C09)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 17.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCP1 (+/-)=0.18

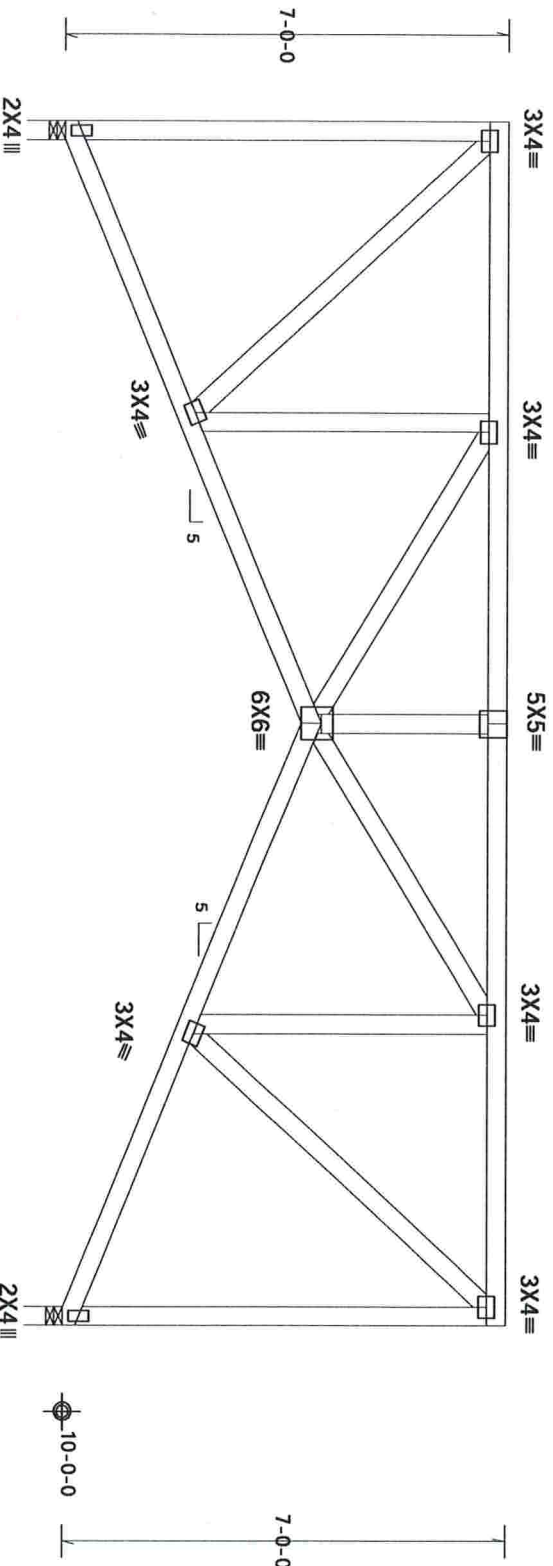
End verticals not exposed to wind pressure.

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MMFRS loads based on trusses located at least 17.00 ft. from roof edge.



9-3-8 18-7-0 Over 2 Supports 9-3-8
R=759 U=155 W=3.5"

PLT TYP. Wave

Design Crit: FBG2014Res/TP1-2007 (STD)

FT/RT=20%(0%)/10(0)

16.01.04.04.3.15 QTY 3

Scale = .375"/Ft.

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING!



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WDA) for safety practices and instructions. Top chord shall have properly attached structural sheathing and bracing shall have proper connections. Rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and below joints. All joints shall be bolted. Refer to drawings 100A-2 for standard plate positions. All truss components (Group Inc.) shall not be responsible for any deviation from this drawing. Any deviation from this drawing shall be the responsibility of the user. For more information see this job's general notes page and those web sites: ALPINE: www.alpineinc.com; TPI: www.tpi.net; WDA: www.structure.com; IBC: www.icb.org



TC	LL	PSF	REF	R215--	83859
HC	DL	10.0	PSF	DATE	01/19/17
BE	DL	10.0	PSF	DRW	HCSR215 17019098
BC	LL	0.0	PSF	HC-ENG	KD/DF
TOT.	LD.	40.0	PSF	SEQN-	455386
DUR.	FAC.	1.25		FROM	CDM
SPACING	24.0"			JREF-	1VXM215_Z04

01/20/2017

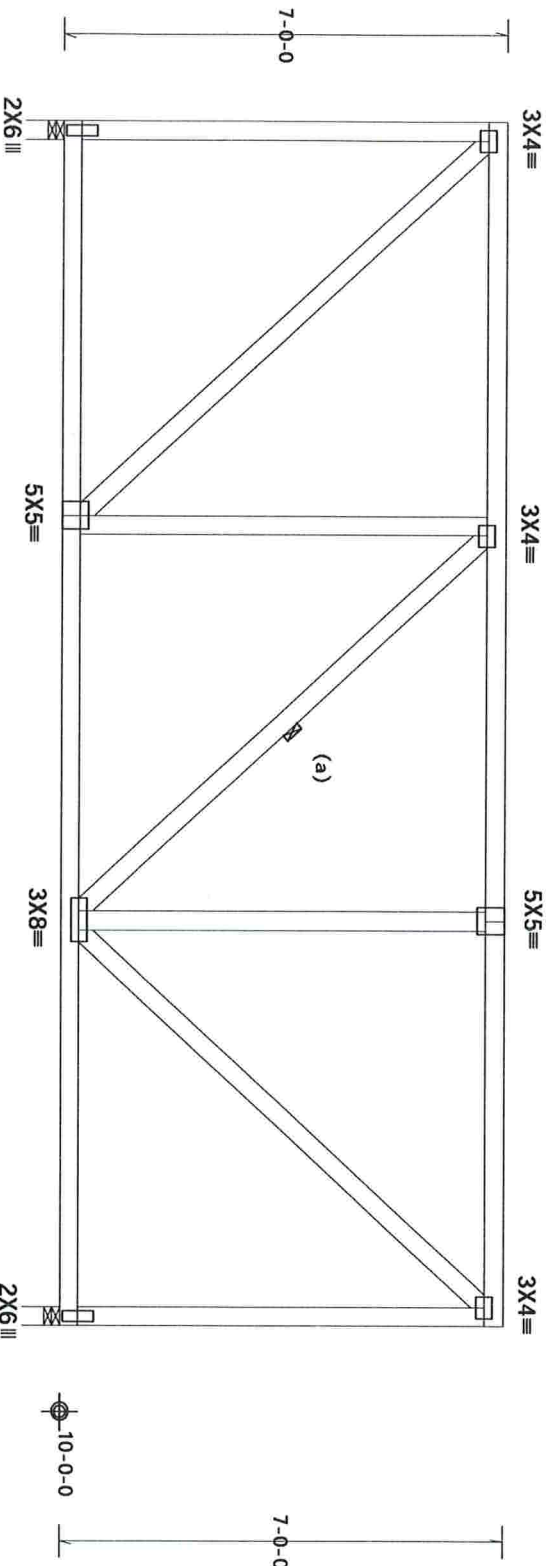
THIS DRAWING PREPARED FROM COMPUTER INPUT (1 NAME & DIMENSIONS) SUBMITTED BY TRUSS MFG

130 mph wind, 17.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GC+I(4/5)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss must be installed as shown with top chord up.



18-7-0 Over 2 Supports

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

0510428 171

F-/-/1/-/-/R/-

Scale = 375"/Ft



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[illegible]

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineair.com; TPI: www.tpinet.org; WTCB: www.tbciindustry.com; ICG: www.icginfo.org

TC LL	20.0 PSF	REF	R215-- 83860
TC DL	10.0 PSF	DATE	01/19/17
DC DL	10.0 PSF	DRW	HCUSR215 17019099
PC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEEN-	455383
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215 Z04

01/20/2017

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

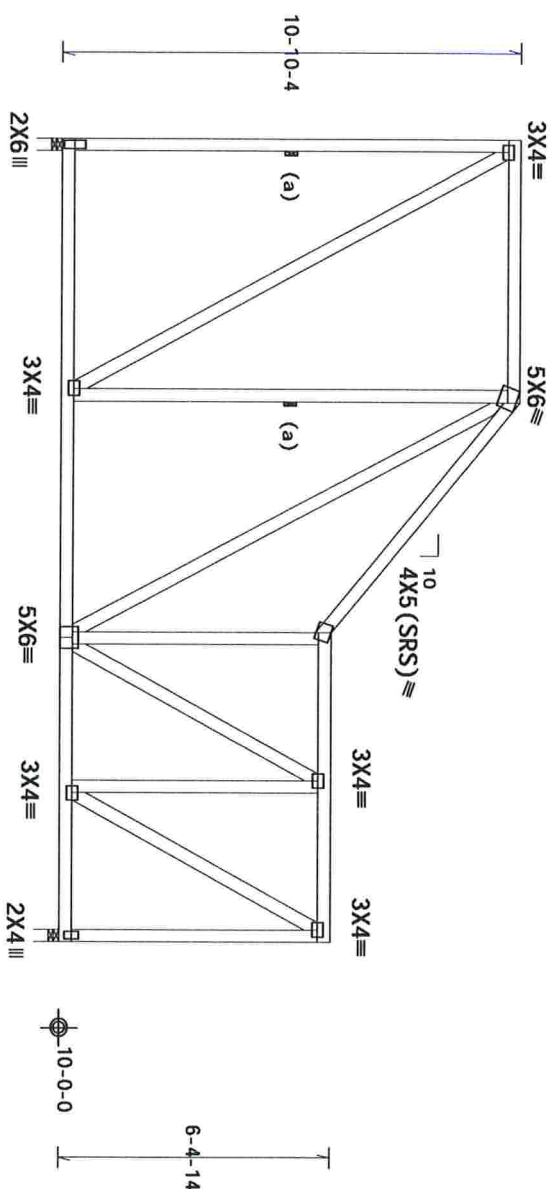
130 mph wind, 18.63 ft mean hgt, ASE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

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

MINFRS loads based on trusses located at least 9.31 ft from roof edge.



6-1-0 5-4-0 7-2-0

18-7-0 Over 2 Supports

R=799 U=190 W=3.5"
RL=47/-124

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

$$FT/RT=20\%(0\%)/10(0)$$

16.01.0910413 17.01.0910413

F: /- /1 /- /- /R /-

Scale = .25"/Ft.

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These products are commonly used in fabricating, handling, shipping, installing and unloading. Refer to and follow the instructions on the product labels for proper use. For more information, contact the nearest Fluorinated Gas Rescues (BESUs) (Building Component Safety Information) by TPI and WTCO for safety practices pertaining to the use of these products. Installers that provide temporary bracing per BESUs. Unless noted otherwise, all locations are specific for permanent internal bracing. The maximum bracing length shall have a properly attached end anchor. The maximum bracing length shall be 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and below the truss, unless noted otherwise. Refer to drawings T604-2 for standard gable positions.

WTCO is a division of TPI Building Components Group Inc. shall not be responsible for any deviation from this drawing for truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses.

On this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The submittal and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2.

For more information see this Job's general notes page and these web sites:
WTCO: www.wtco.com; TPI: www.tpi.com; org: www.org; WTCO: www.wtcoindustry.com; ICI: www.ici.com

For more information see this job's general notice page and these web sites:
ALPINE: www.alpine123.com; TPI: www.tpi.net.org; WICA: www.sbcindustry.com; ICC: www.iccmfr.org

REF	R215--	83861
DATE	01/19/17	
DRW	HCSR215	17019100
HC-ENG	KD/DF	
SEQN-	455382	
FROM	CDM	
JREF-	1YXM215_Z04	
SPACING	24.0"	
DUR. FAC.	1.25	
TOT. LD.	40.0 PSF	
BC LL	0.0 PSF	
EO DL	10.0 PSF	
TC DL	10.0 PSF	
TC LL	20.0 PSF	

01/20/2017

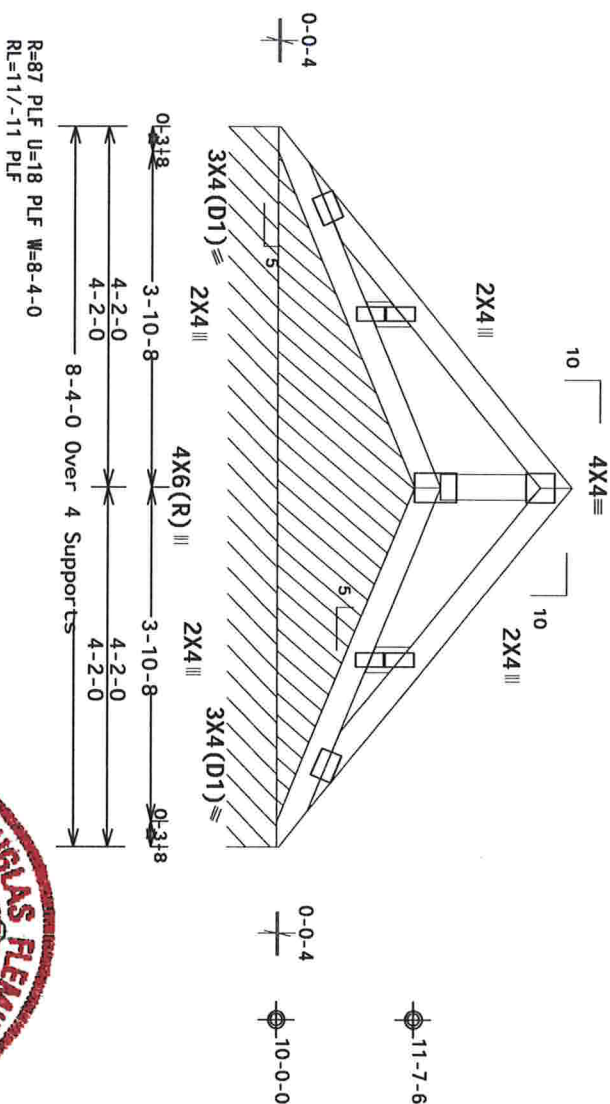
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: 1 located at 0.00'

Wind loads and reactions based on MMFRS with additional C&C member design.

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Bottom chord checked for 10.00 psf non-concurrent live load.
Shim all supports to solid bearing.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0)/10(0)

Scale = .5"/Ft.

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WARNING!! READ AND FOLLOW ALL NOTES ON THIS DRAWING!!
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

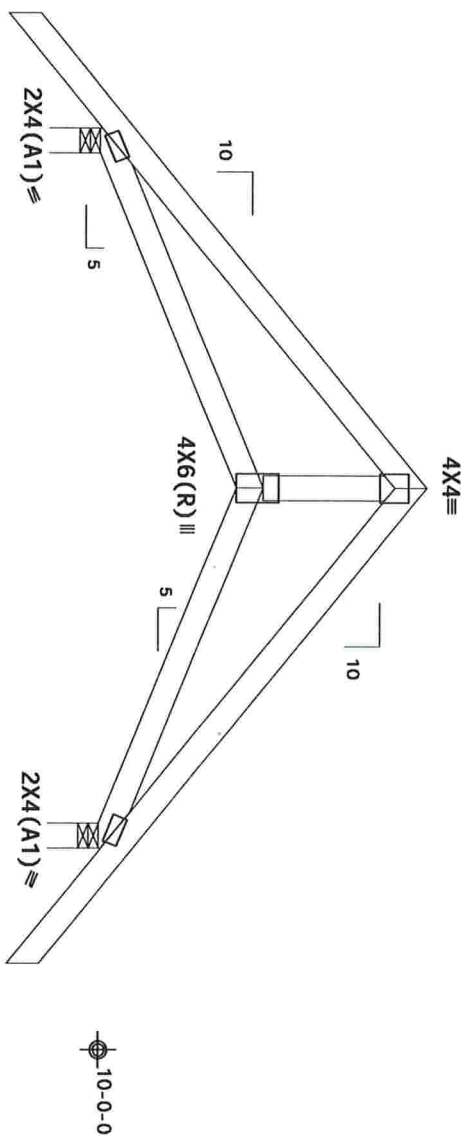
This drawing requires attention care in fabricating, handling, shipping, installing and bracing. Refer to the following notes for details and instructions. The drawings are not to be used as a guide for predicting or oversizing these functions. Installers shall provide temporary bracing per BS21, BS22, BS23, BS24, BS25, BS26, BS27, BS28, BS29, BS30, BS31, BS32, BS33, BS34, BS35, BS36, BS37, BS38, BS39, BS40, BS41, BS42, BS43, BS44, BS45, BS46, BS47, BS48, BS49, BS50, BS51, BS52, BS53, BS54, BS55, BS56, BS57, BS58, BS59, BS60, BS61, BS62, BS63, BS64, BS65, BS66, BS67, BS68, BS69, BS70, BS71, BS72, BS73, BS74, BS75, BS76, BS77, BS78, BS79, BS80, BS81, BS82, BS83, BS84, BS85, BS86, BS87, BS88, BS89, BS90, BS91, BS92, BS93, BS94, BS95, BS96, BS97, BS98, BS99, BS100, BS101, BS102, BS103, BS104, BS105, BS106, BS107, BS108, BS109, BS110, BS111, BS112, BS113, BS114, BS115, BS116, BS117, BS118, BS119, BS120, BS121, BS122, BS123, BS124, BS125, BS126, BS127, BS128, BS129, BS130, BS131, BS132, BS133, BS134, BS135, BS136, BS137, BS138, BS139, BS140, BS141, BS142, BS143, BS144, BS145, BS146, BS147, BS148, BS149, BS150, BS151, BS152, BS153, BS154, BS155, BS156, BS157, BS158, BS159, BS160, BS161, BS162, BS163, BS164, BS165, BS166, BS167, 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BS311, BS312, BS313, BS314, BS315, BS316, BS317, BS318, BS319, BS320, BS321, BS322, BS323, BS324, BS325, BS326, BS327, BS328, BS329, BS330, BS331, BS332, BS333, BS334, BS335, BS336, BS337, BS338, BS339, BS340, BS341, BS342, BS343, BS344, BS345, BS346, BS347, BS348, BS349, BS350, BS351, BS352, BS353, BS354, BS355, BS356, BS357, BS358, BS359, BS360, BS361, BS362, BS363, BS364, BS365, BS366, BS367, BS368, BS369, BS370, BS371, BS372, BS373, BS374, BS375, BS376, BS377, BS378, BS379, BS380, BS381, BS382, BS383, BS384, BS385, BS386, BS387, BS388, BS389, BS390, BS391, BS392, BS393, BS394, BS395, BS396, BS397, BS398, BS399, BS400, BS401, BS402, BS403, BS404, BS405, BS406, BS407, BS408, BS409, BS410, BS411, BS412, BS413, BS414, BS415, BS416, BS417, BS418, BS419, BS420, BS421, BS422, BS423, BS424, BS425, BS426, BS427, BS428, BS429, BS430, BS431, BS432, BS433, BS434, BS435, BS436, BS437, BS438, BS439, BS440, BS441, BS442, BS443, BS444, BS445, BS446, BS447, BS448, BS449, BS450, BS451, BS452, BS453, 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TOT. LD.	40.0 PSF	SEQN-	462438
B. DL	10.0 PSF	HC-ENG	KD/DF
B. LL	0.0 PSF	DRW	HCS215 17019102
TOT. DL	10.0 PSF	DATE	01/19/17
TOT. LL	20.0 PSF	REF	R215-- 83863
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1VXM215_Z04

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.



$R=460 \text{ U}=68 \text{ W}=3.5''$

$RL=165/-165$

$\leftarrow 1-4-0 \rightarrow$

$4-2-0$

$4-2-0$

$8-4-0$ Over 2 Supports

$4-2-0$

$4-2-0$

$\leftarrow 4-6-0 \text{ U}=68 \text{ W}=3.5''$

STAINLESS STEEL

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

	QTY	-L/-/1/-/-/R/-
16:01.00.0473.17	1	

Scale = .5"/Ft.

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****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO THE INSTALLERS.**

These notes are to be used in interpreting, fabricating, shipping, installing and bracing. Refer to and read the latest edition of BECS (Building Engineering Council Specification) for details of the various methods for performing these functions. Installers shall provide temporary bracing per BECS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached top chord. BECS 87 or 810, as applicable, apply to a vertical member of a truss that shall have bracing installed per BECS 87 or 810, as applicable. Apply a vertical member of a truss that shall have bracing installed per BECS 87 or 810, as applicable. Refer to drawings 1600-2 for standard plate positions. The Joint Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions.

Alpina, a division of ITT Building Components Group Inc., shall not be responsible for any deviation from the drawings, any detailing or otherwise.

A seal on this drawing of customer. Listing this drawing indicates acceptance of professional engineering responsibility for the design shown. The use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinecv.com; TPI: www.tpinet.org; WIDA: www.sbcindustry.com; ICC: www.iccnaf.org

TOT. LL	20.0 PSF	REF	R215-- 83864
DL	10.0 PSF	DATE	01/19/17
DL	10.0 PSF	DRW	HCSR215 17019103
DL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455374
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z04

01/20/2017

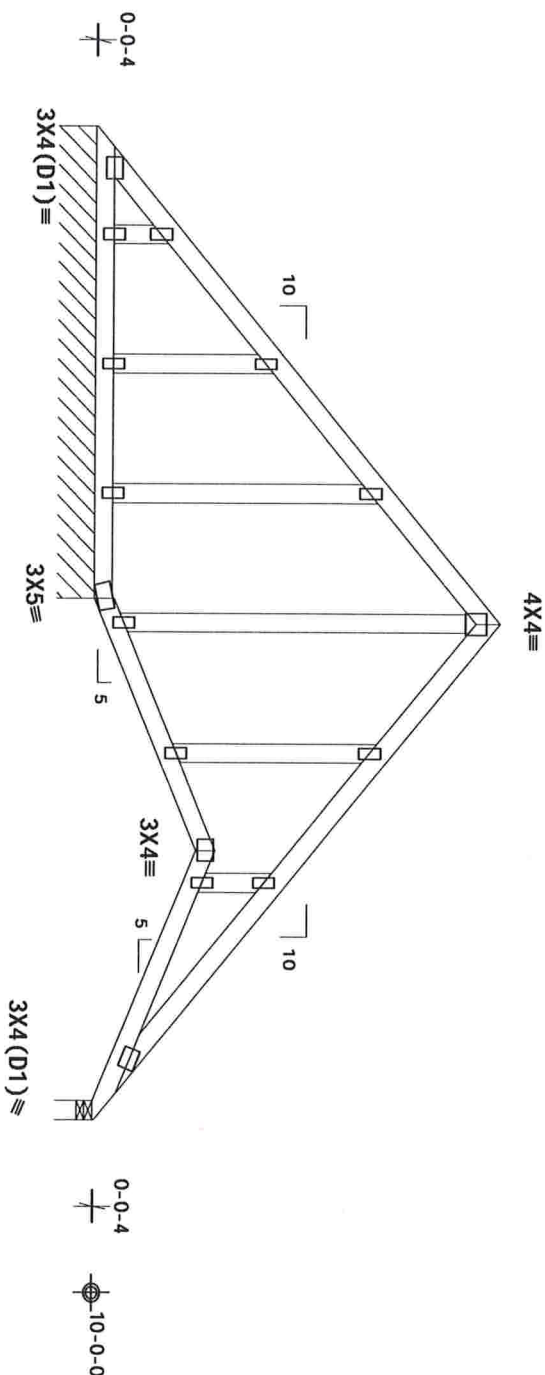
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



7-8-0
 7-3-8
 15-4-0 Over 2 Supports
 3-10-8
 7-8-0
 4-2-0
 R=176 PLF U=23 PLF W=7-3-8
 RL=25/-25 PLF
 U=9 W=3.5'

Design Crit: FBC2014Res/TP1-2007(STD)

$$\text{FT/RT} = 20\%(0\%) / 10(0)$$

1.06.04161985 PARTY: 16 FEB/-/1/-/-/R/-

Scale = .375"/Ft.

*****WARNING!***** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

ALPINETM
AN ITW COMPANY

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Orlando, FL 32837
FL COA #0278

ALPHINE: www.alphine.com; TPI: www.tpi.com; WDCO: www.wdcoindustry.com; ICD: www.icdusa.org

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetx.com; TPI: www.tpinet.org; ICA: www.icausa.org

FR. - / - / - / R. -		Scale = .375" / Ft.
U. L	20.0 PSF	REF R215-- 83865
TC. DL	10.0 PSF	DATE 01/19/17
HC. DL	10.0 PSF	DRW HCSR215 17019104
HC. LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEON- 462440
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

(16-0982--/HUBBART RESIDENCE /SPARKS CONST. --, FL - DD4)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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.

Bottom chord checked for 10.00 psf non-concurrent live load.

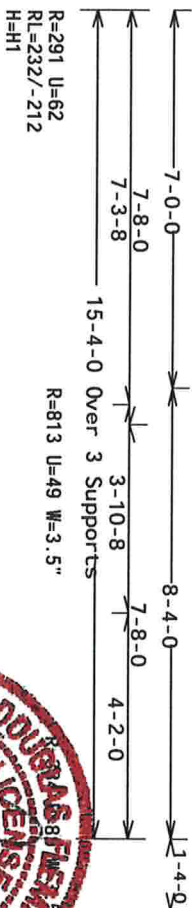
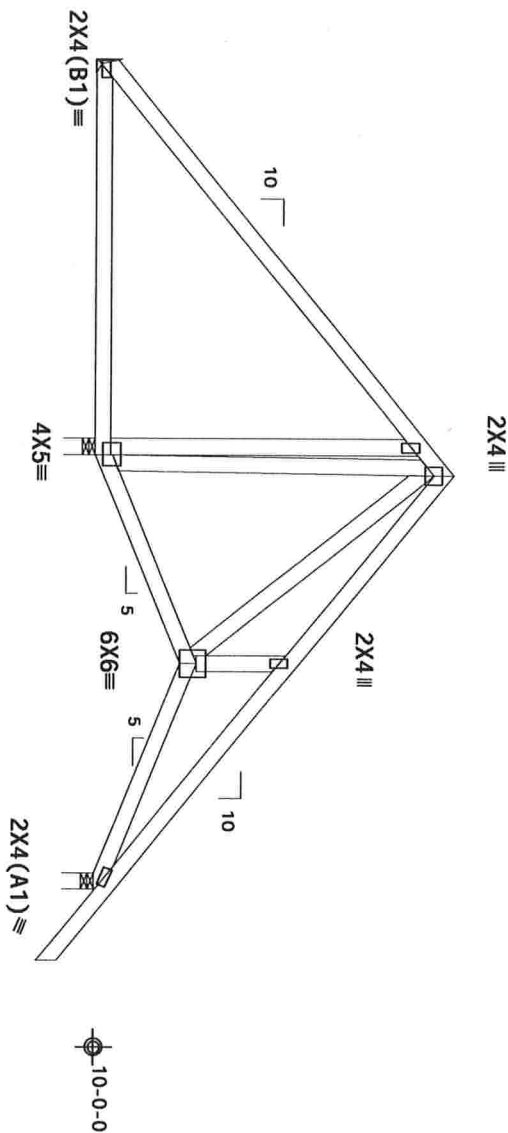
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

These support conditions used at bearings indicated
(H1) = LUS26 w/ (1)2x6 SP M-31 supporting member.
(4) 0.148"x3" nails into supporting member.
(3) 0.148"x3" nails into supported member.

Shim all supports to solid bearing.



R=291 U=62
RL=232/-212
H=H1

R=813 U=49 W=3.5"

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16.11.06 04:01:266487

Scale = .3125"/Ft.



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Orlando, FL 32837
FL COA#0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING.
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices. All trusses shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI Section 6.07 or 8.10, as applicable. Apply plates to each face of truss and position as shown above and on the drawings. Refer to drawings 1004-2 for standard plate positions.
Allowing a division of TPI Building Code, Inc. to be responsible for any deviation from this drawing, any failure of the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the building designer per ANSI/TP1 1 Sec. 2.
ALPINE: For more information see this Job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpiinc.org; BCSI: www.bcsinc.com; WCA: www.wcainc.org



TC	L	20.0 PSF	REF	R215--	83866
TC	DL	10.0 PSF	DATE	01/19/17	
TC	DL	10.0 PSF	DRW	HOURS215	17019105
TC	LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455376		
DUR. FAC.	1.25	FROM	CDM		
SPACING	24.0"	JREF-	1VXM215_Z04		

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - D05)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

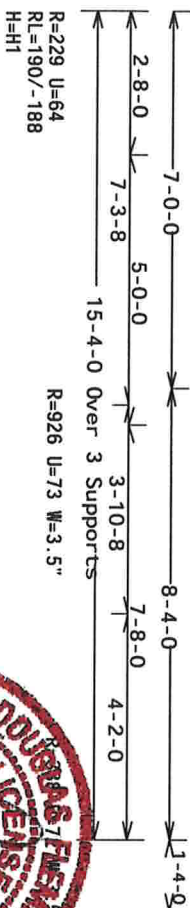
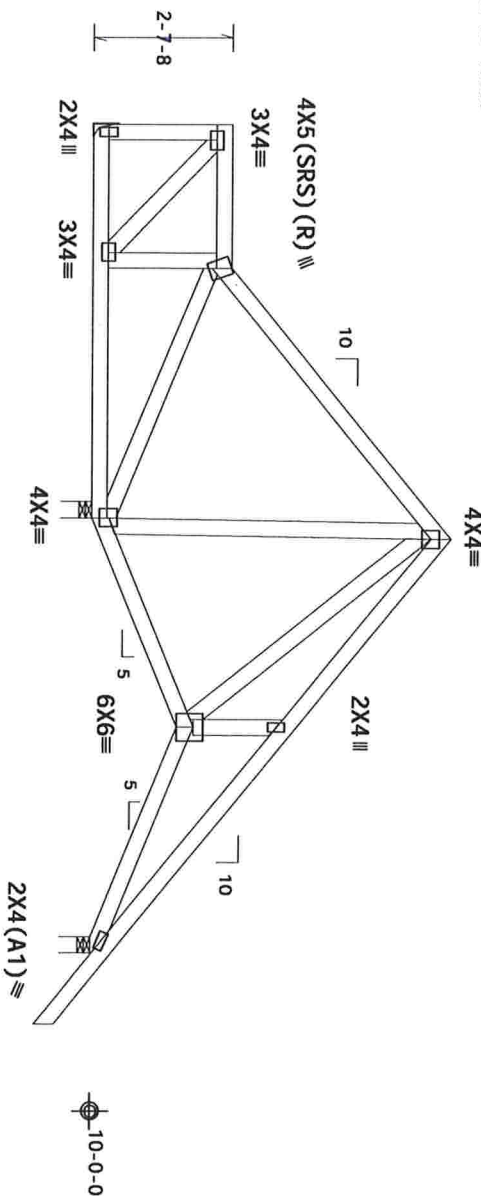
Left end vertical not exposed to wind pressure.

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.

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

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCP(+/)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
These support conditions used at bearings indicated
(H1) = LUS26 w/ (1)2x6 SP M-31 supporting member.
(4) 0.148"x3" nails into supporting member.
(3) 0.148"x3" nails into supported member.
Bottom chord checked for 10.00 psf non-concurrent live load.
Shim all supports to solid bearing.



PLT TYP. Wave

Design C-1: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%/10(0))

16.1.06 04/01/2008

Scale = .3125"/Ft.

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING.
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

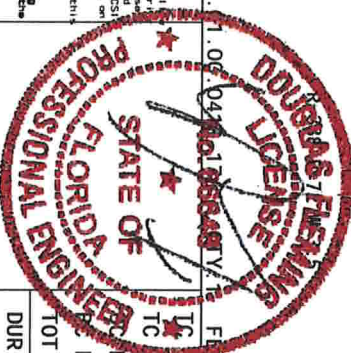


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Orlando, FL 32837
FL COA #0278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and WDA for safety practices. Top chord shall have properly attached structural sheathing per BCSI. Unless noted otherwise, all truss members shall be installed in accordance with BCSI. Apply plates to each face of truss and position as shown above and on drawings. Refer to drawings 1004-2 for standard plate positions.
Alpine Truss Company, Inc. shall not be responsible for any deviation from this drawing, any failure to build per this drawing, or any deviation from BCSI, or for handling, shipping, installation & bracing of trusses. Truss in conformance with BCSI/TP1, or for handling, shipping.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the building designer. The suitability and use of this drawing for any structure is the responsibility of the building designer. The suitability and use of this drawing for any structure is the responsibility of the building designer. The suitability and use of this drawing for any structure is the responsibility of the building designer.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpiinc.org; WDA: www.structure.com; IBC: www.icb.org



TC	L	20.0 PSF	REF	R215-- 83867
TC	DL	10.0 PSF	DATE	01/19/17
DL	10.0 PSF	DRW	HOURS	215 17019106
LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455377	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VXM215_Z04	

01/20/2017

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

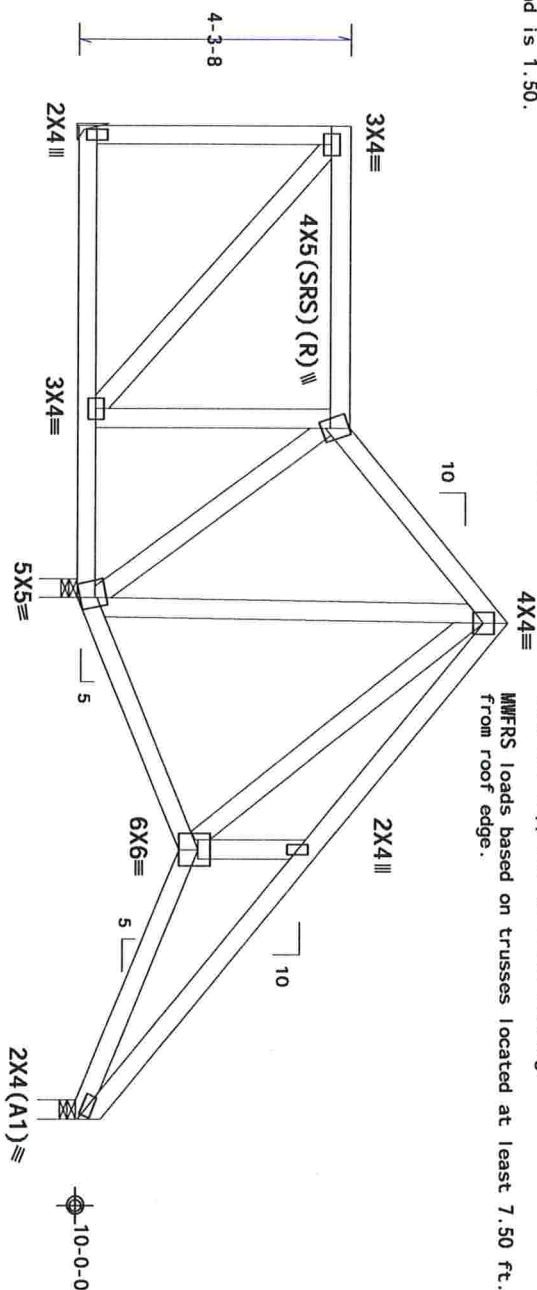
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

These support conditions used at bearings indicated
(H1) = LUS26 w/ (1)2x6 SP M-31 supporting member.
(4) 0.148"x3" nails into supporting member.
(3) 0.148"x3" nails into supported member.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.



7-0-0

4-8-0

7-3-8

3-0-0

15-4-0 Over 3 Supports

3-10-8

7-8-0

4-2-0

8-4-0

R=233 U=82
 RL=116/-148
 W=H1

R=915 U=92 W=3.5"

R=445 U=31 W=3.5"

DOUGLAS FLEMING
 CONSTRUCTION CO.
 1000 10TH AVENUE
 DENVER, CO.

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16. 11.06.2017 F.I./-/1/-/-/R/-

Scale = .375"/Ft.

“REASONING:” READ AND FOLLOW ALL NOTES ON THIS DRAWING!
“IMPORTANT” FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine1.com; TPI: www.tpinet.org; WICA: www.slciindustry.com; ICC: www.iccnatl.org

TC L	20.0 PSF	REF	R215-- 83868
TC DL	10.0 PSF	DATE	01/19/17
BC DL	10.0 PSF	DRW	HCUSR215 17019107
FC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455378
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z04

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

These support conditions used at bearings indicated
(H1) = LUS26 w/ (1)2x6 SP M-31 supporting member.
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.


$$FT/RT = 20\%(0\%) / 10(0)$$

16. 1.06.0418 17. 1.06.0419

Scale = .375"/Ft.

PLT TYP. Wave

*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
*****IMPORTANT***** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

AN ITW COMPANY

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FL COA #0278

For more information see this job's general notes page and these web sites:
ALPHINE: www.alphine.biz; PPI: www.ppi.com; TDC: www.tdcinc.org
www.alcitra.org
www.sdcindustry.com; ICD: www.icdusa.org

1.06 1046 12/31/04

F /- /1/- /- /R/-		Scale = 375"/Ft.
IC LL	20.0 PSF	REF R215-- 83869
IC DL	10.0 PSF	DATE 01/19/17
CC DL	10.0 PSF	DRW HCSUR215 17019108
PC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455379
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

01/20/2017

130 mph wind, 15.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

These support conditions used at bearings indicated

(H1)	=	LLS26 w/ (1)2x6 SP M-31	supporting member.
(4)	0.148"x3"	nails	into supporting member.
(3)	0.148"x3"	nails	into supported member.

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

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

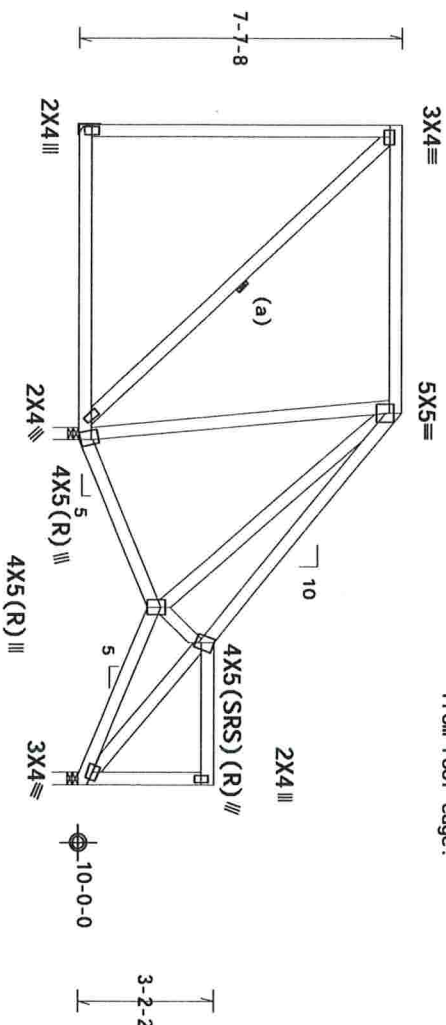


Diagram of a continuous beam with 4 supports and 5 spans. The spans are labeled with lengths: 7-0-0, 6-8-0, 7-3-8, 15-3-8, 5-4-0, 3-10-8, 4-1-8, 3-3-8, and 8-3-8. The beam is supported by 4 supports, with the first support at the left end and the last support at the right end. The beam is labeled "Over 3 Supports" between the second and third supports. The beam is labeled "R=287 U=62" at the left end, "R=49/-125" at the first support, "R=830 U=170 W=3.5\" between the second and third supports, and "R=282 U=10" at the right end. The beam is labeled "H=H1" at the left end.

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16:01 0910413.17 QTY:1 P:--/1/--/R/-

Scale = .25"/Ft.



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FL COA #0278

[illegible]

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetw.com; TPI: www.tpinet.org; WICA: www.abcrindustry.com; ICT: www.ictinfo.org

U=10
1.0610413.17
DOUGLAS FLEMING
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
06.06848
ITV

Scale = .25"/Ft.	
TC/LL	20.0 PSF
HC/LL	10.0 PSF
BD/LL	10.0 PSF
FS/LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
JREF -	1VXM215_Z04
FROM	CDM
SEQN -	455441

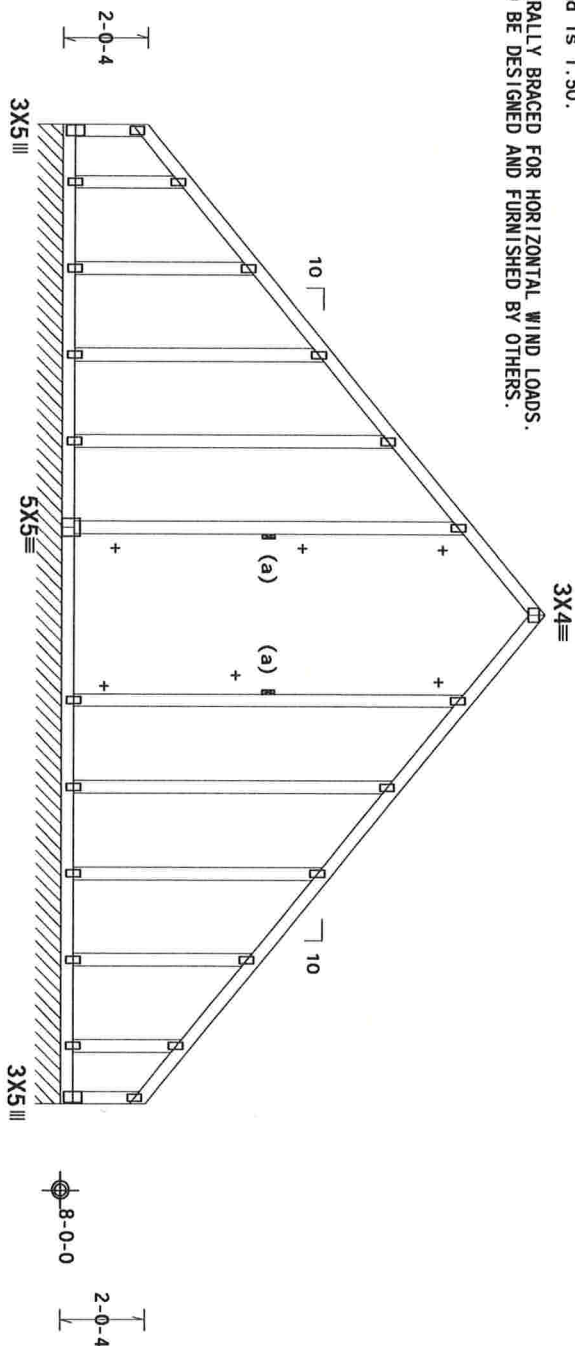
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

See DWGS S14015ENC100815 & GBLETTN1014 for gable wind bracing requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.



11'-4" 22'-8" Over Continuous Support 11'-4"

44'-0"

R=86 PLF U=12 PLF W=22-8-0
RL=12/-12 PLF

PLT TYP.	Wave	Design Crit:	FBC2014Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
Note: All Plates Are 2X4 Except As Shown.			

16.01.09 1043.17 QTY: 1 F / - / 1 / - / - / R / - Scale = .25" / Ft.



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Orlando, FL 32837
FL COA #0278

****IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THE INSTALLER, who requires certain care in erecting, handling and attaching the panels. Refer to and follow the instructions on the back of each panel.**

INSTALLATION: The selection of BESI (Building Element Safety Information by TPI and BESI) for safety practices and for handling and installation. Installers shall provide temporary bracing per BESI. Unless noted otherwise, all panels shall be properly attached structural sheathing and bottom chord shall have a properly attached blocking. The blocking shall be attached to the bottom chord with 2x4 blocking. The blocking shall be 8x3, 8x4 or 8x6, as applicable. Apply plates to each face of truss and position as shown above and of the drawings. Refer to drawings 1604-2 for standard plate positions.

BRACING: A division of TPI Building Components Group Inc. shall not be responsible for any deviation from this drawing and the bracing of the truss in accordance with ANSI/TPI 1, or for handling, shipping, or installation of the truss.

DESIGN: The suitability and use of this drawing for any structure is the responsibility of the building design person. **MSI/TPI 1 Sec. 2.**

For more information see this job's general notes page and draw sheet 1 (also: www.alphatrade.com; TPI: www.trc.org; BESI: www.besiindustry.com; ICG: www.icginfo.org)



F. /-/-/-/-/R/-		Scale = .25"/Ft.
TC LL	20.0 PSF	REF R215-- 83871
TC DL	10.0 PSF	DATE 01/19/17
90 DL	10.0 PSF	DRW HCUR215 17019110
PC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455490
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXMM215_Z04

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

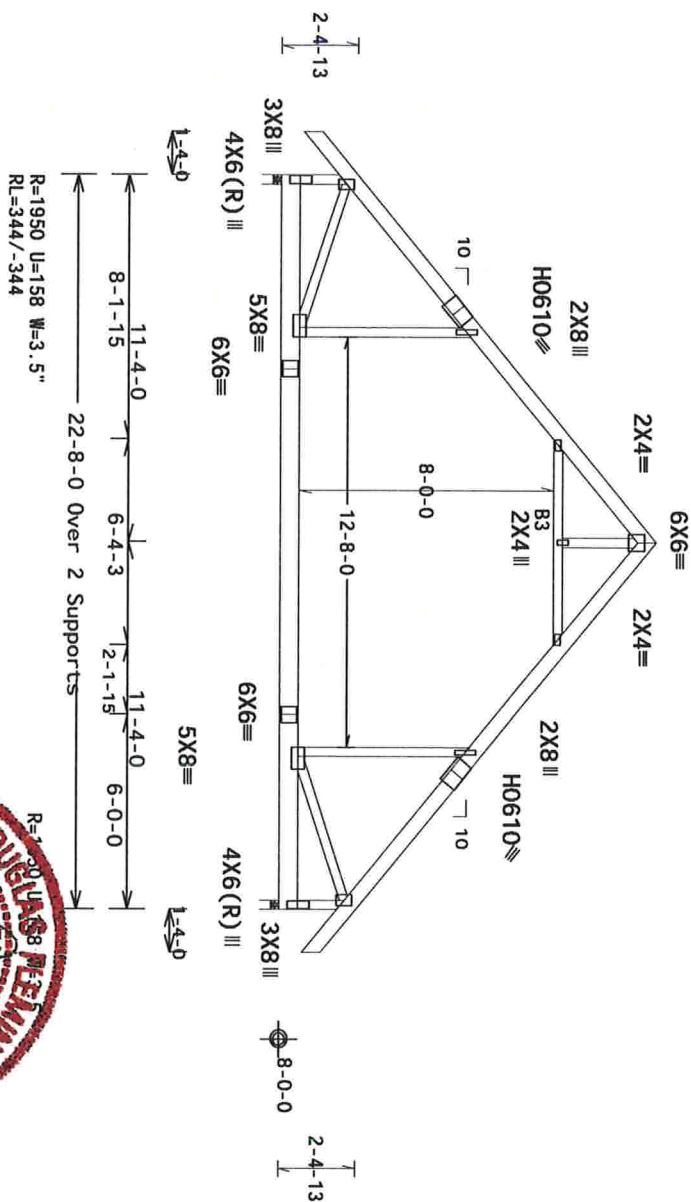
130 mph wind, 15.00 ft mean hgt, ASE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.18" due to live load and 0.33" due to dead load.

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF. Dead Load: 10 PSF
Ceiling: 10 PSF, Kneewalls: 10 PSF

MMFRS loads based on trusses located at least 7.50 ft from roof edge.



Design Crit: FBC2014Res/TP1 - 2007 (STD)

01.061043: 1A QTY:5 P/-/1/-/-/R/-

Scale = .1875"/Ft

ALPINE
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FL COA #0278

Trusses, requiring the use of steel, timber, or aluminum. Trusses are used in the construction of buildings, bridges, and other structures. Trusses are made up of members that are connected at joints. The members are typically made of steel, timber, or aluminum. The joints are typically made of steel. Trusses are used in a variety of applications, including bridges, roofs, and floors. Trusses are also used in the construction of ships and aircraft. Trusses are a key component of many structures and are used in a wide range of applications.

For more information see ENR's general notices page and these web sites:
ALPINE: www.alpinetw.com; TPI: www.tpinet.org; WITCA: www.abcdindustry.com; ICC: www.iccaffo.org

H. / - / - / - / R. -		Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R215-- 838712
TC DL	10.0 PSF	DATE 01/19/17
CSG DL	10.0 PSF	DRW HCSR215 17019111
BC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455466
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

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

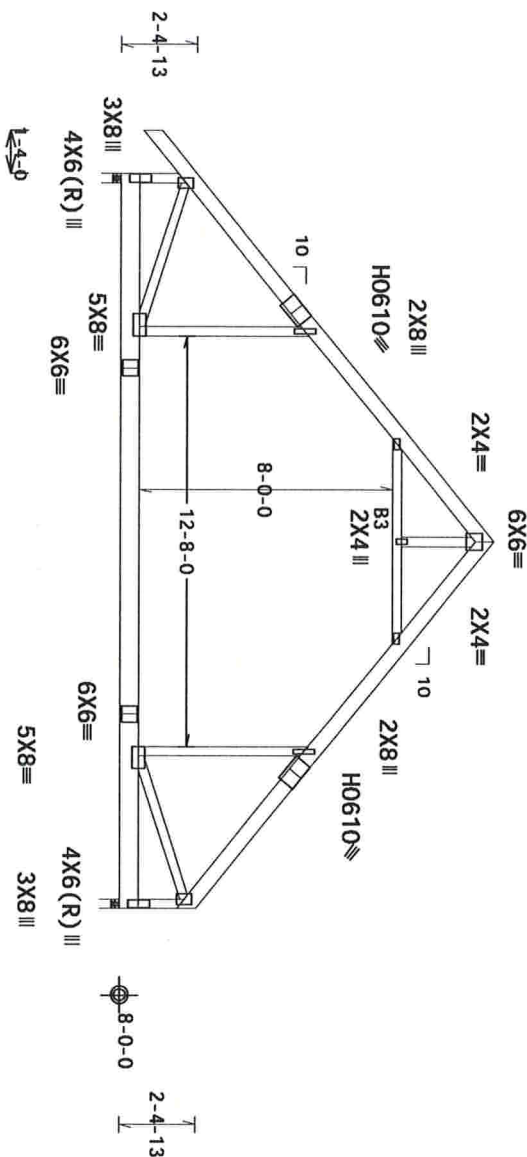
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.18" due to live load and 0.33" due to dead load.

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF. Dead Load: 10 PSF
Ceiling: 10 PSF, Knee walls: 10 PSF

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



$R=1.534$

16 01.09.04 23.17 QTY: 1 R-/-/1/-/-/R/-

Scale = .1875"/Ft

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

ALPINE
AN ITW COMPANY

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Orlando, FL 32837
FL COA #0278

A seal on this drawing or cover page listing this drawing, including acceptance of professional engineering responsibility solely for the design shown. This acknowledgment and seal of this drawing for the design shown, responsibility of the Building Department may ASH/TPP 1 Sec.2.

ALPINE: For more information see this job's general notes pages and check web sites:
www.alpineinc.com; TPP: www.tpp.net; or TRCA: www.trca-industry.com; ICD: www.icdusa.org

Professional Engineer
State of Florida
Douglas Fleming
License No. 166648
04/31/2017
R-1

A./-1/-1/-/R/-		Scale = .1875"/Ft.	
TO LL	20.0 PSF	REF	R215-- 83873
HC DL	10.0 PSF	DATE	01/19/17
HC DL	10.0 PSF	DRW	HCSR215 17019112
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455471
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	UREF-	1VXM215_Z04

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

2 COMPLETE TRUSSES REQUIRED
Nail Schedule: 0.131"x3", min. nails

Nail Schedule: 0.131"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.

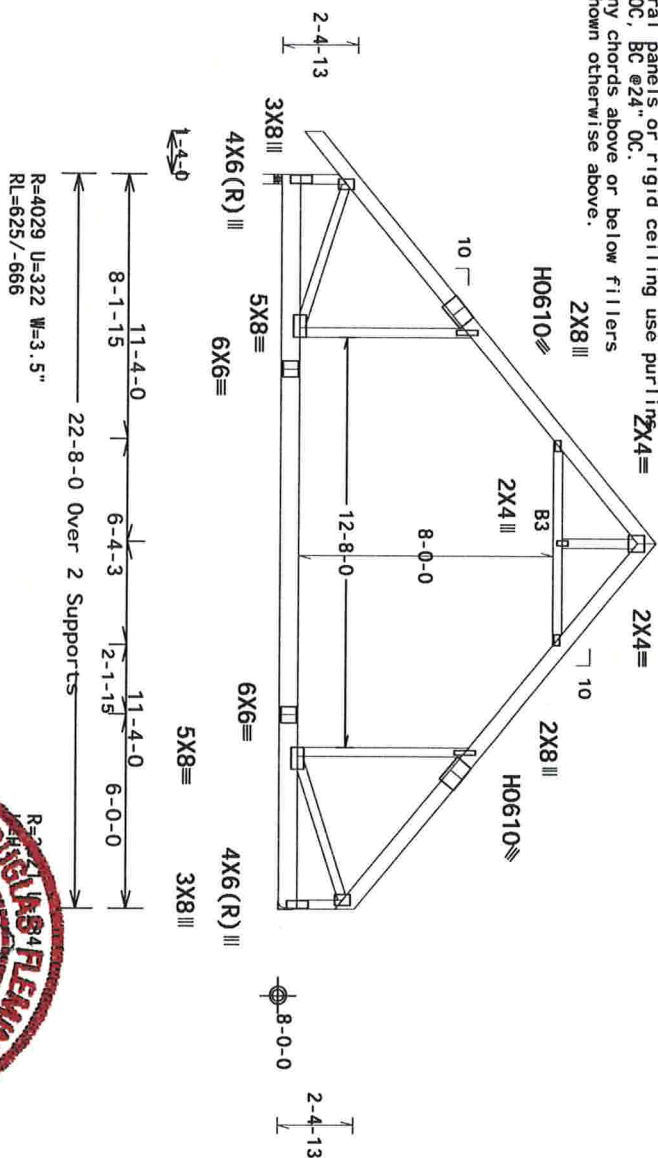
End verticals not exposed to wind pressure.

(J) Hanger Support Required, by others

ire.

In lieu of structural panels use purins to brace TC @ 24" OC. Collar-tie braced with continuous lateral bracing at 24" OC.

Deflection meets L/480 live and L/360 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

0010423.1X QTY:1 H.-/-1/-/-/-R/-

Scale = .1875"/Ft.

ALPINE
AN ITW COMPANY

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

Professional Engineer Seal for Douglas Fleming, State of Florida, License No. 0423, 1700046.

TOT. LL	20.0 PSF	REF R215-- 83874
HC DL	10.0 PSF	DATE 01/19/17
90 DL	10.0 PSF	DRW H05R215 17019113
HC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEQN- 455487
DUR. FAC.	1.25	FROM CDM
SPACING	49.5"	JREF- 1VXM215_Z04

01/20/2017

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

130 mph wind, 15.12 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.63 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf. GCPI (+/-)=0.18

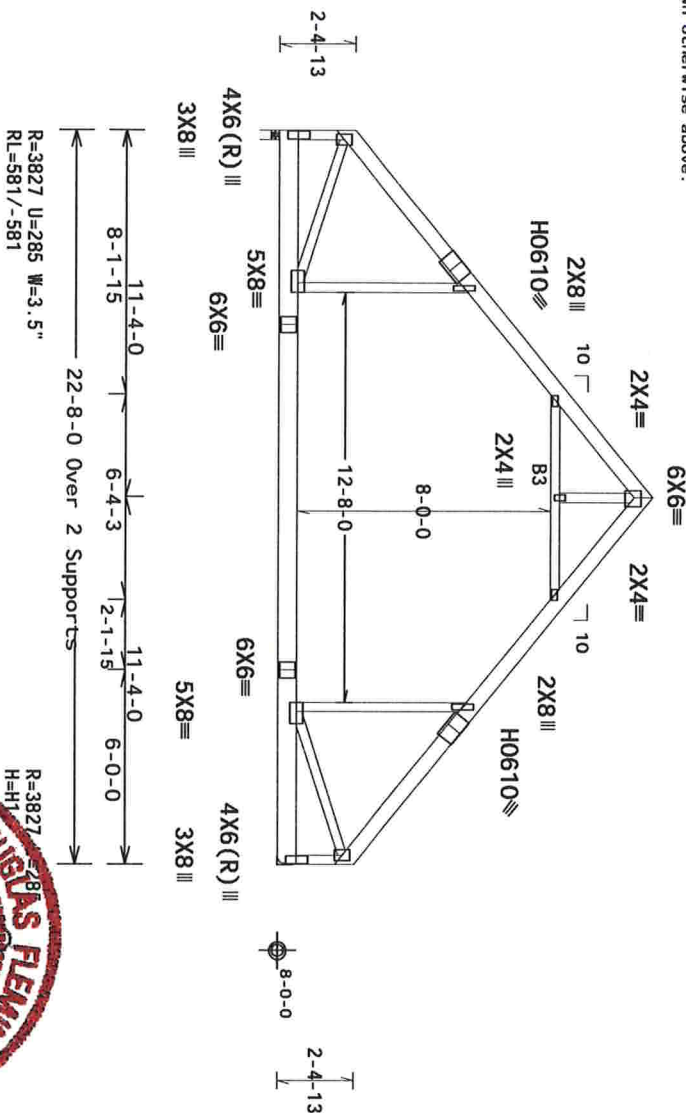
Wind loads and reactions based on MMFRS with additional C&C member design.

Calculated horizontal deflection is 0.19" due to live load and 0.35" due to dead load.

Trusses to be spaced at 49.5" OC maximum.

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF. Dead Load
10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC. Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.



2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 8" O.C.

Top Chord:	Row	0.00	0.0
Bot Chord:	1 Row	@12.00"	0.0.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

End verticals not exposed to wind pressure.

(J) Hanger Support Required, by others

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

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

Deflection meets $L/480$ live and $L/360$ total load. Creep increase factor for dead load is 1.50.

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2014Res/TP1-2007(STD),
FT/RT=20%(0%)/10(0)

16:01.00.04/3.15 QTY:

11/-/1/-/-/R/-

Scale = .1875"/Ft

**"DRAWING!" READ AND FOLLOW ALL NOTES ON THIS DRAWING!
"IMPORTANT" FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

ALPINE
AN ITW COMPANY

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.net; TPI: www.tpi-inc.org; GRI: www.gri-industry.com; ICC: www.iccsafe.org

DUR. FAC.	1.25	FROM	CDM
SPACING	49.5"	JREF -	1VXM215_Z04

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

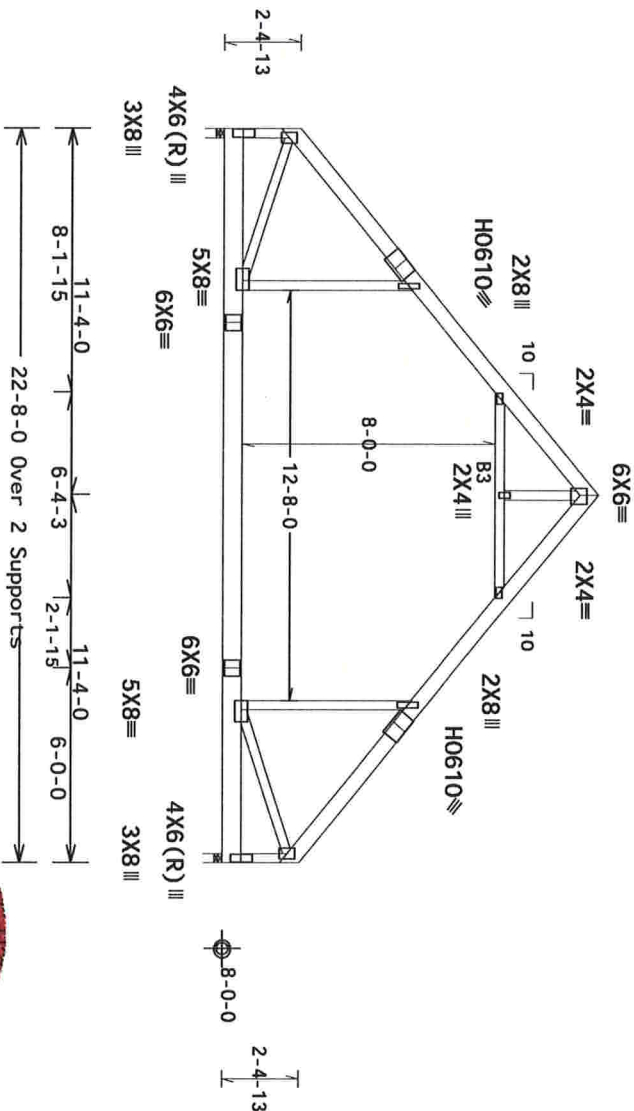
130 mph wind, 15.12 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf, Gcpi (+/-)=0.18

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.18" due to live load and 0.33" due to dead load.

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF. Dead Load 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

MMFRS loads based on trusses located at least 7.56 ft. from roof edge.



R=1855

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

L/-/-/1/-/-/-/R/-/-

Scale = .1875"/Ft

••BIDDING!•• READ AND FOLLOW ALL NOTES ON THIS DRAWING!
••IMPORTANT•• FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

ALPINE
AN ITW COMPANY

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.biz.com; TPI: www.tpinet.org; BTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TOT. LL	20.0 PSF	REF	R215-- 83876
HC DL	10.0 PSF	DATE	01/19/17
RD DL	10.0 PSF	DRW	HCSR215 17019115
FAC. LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455475
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z04

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - G08)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof. RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

End verticals not exposed to wind pressure.

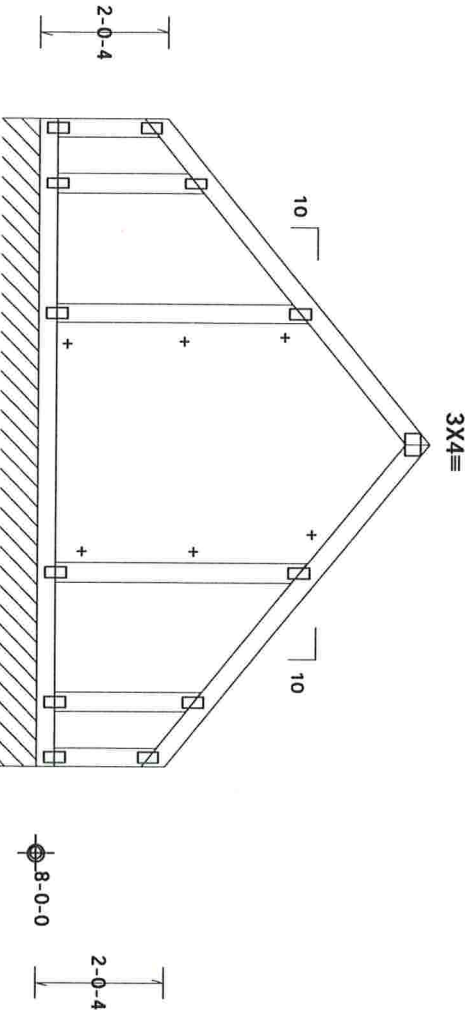
Wind loads and reactions based on MMFRS with additional C&C member design.

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

+ MEMBER TO BE Laterally BRACED FOR HORIZONTAL WIND LOADS.
+ BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



R=86 PLF U=12 PLF W=10-0-0
RL=12/-12 PLF

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2014Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



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Orlando, FL 32837
FL COA #0728

****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS DRAWING.**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) information, by TPI and WCA, for safety practices per BCSP. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSP sections B2, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the drawings. Refer to drawings 1004-2 for standard plate positions.
Allowing a division of labor, the truss manufacturer shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with AISC/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drafter, indicates acceptance of professional engineering responsibility of the building designer per AISC/TPI 1 Sec. 2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpiinc.org WCA: www.wcaindustry.com IGC: www.igcusa.org



F/-/-/-/-/R/-

Scale = .375"/Ft.

TC	LL	20.0 PSF	REF	R215--	83878
TC	DL	10.0 PSF	DATE	01/19/17	
TC	DL	10.0 PSF	DRW	HUSR215	17019117
TC	LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455492		
DUR. FAC.	1.25	FROM	CDM		
SPACING	24.0"	JREF-	1VXM215_204		

01/20/2017

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf. GDi (+/-)=0.18

Wind loads and reactions based on MWFRS.

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Left end vertical not exposed to wind pressure.



R=1000 U=260 W=3.5"

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

16:01:00.0473.1

OTY 1

Scale = .3125"/Ft.

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

10.6

20.0	20.0
------	------

Scale = 0.125 / ft.

AN ITW COMPANY

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpinet.org; IBCA: www.ibcindustry.com; ICC: www.iccnfo.org

DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	IRFF -	1VXM215 704

01/20/2017

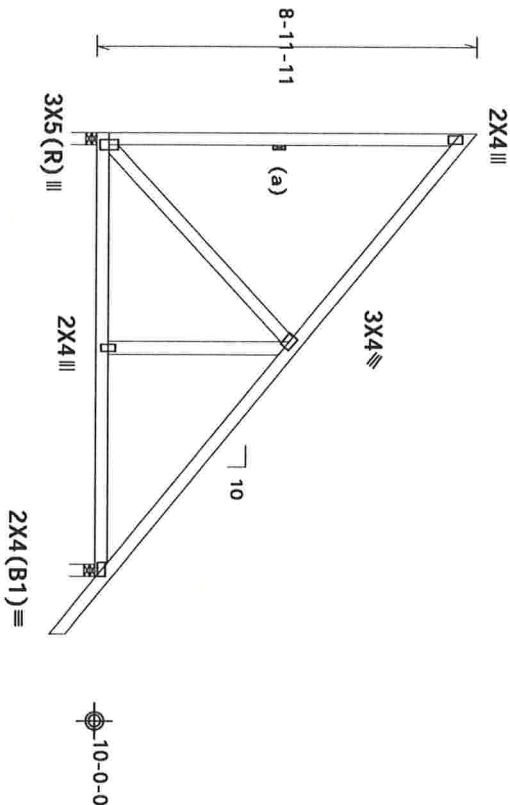
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: 1 located at 0.00'

Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.



1-4-9
10-3-8 Over 2 Supports
R=429 U=166 W=3.5"
RL=107/-275
R=552 U=0 W=3.5"

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

QTY	UNIT	DESCRIPTION	PRICE	TOTAL
16	01	0423.16		

L/-/-/1/-/-/R/-/-

Scale = .25"/Ft.

• DRAINING • READ AND FOLLOW ALL NOTES ON THIS DRAINING!
• IMPORTANT • FURNISH THIS DRAINING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinfo.com; TPI: www.tpinet.org; BTCA: www.bctra.org; ICD: www.icdinfo.org

Dr.

DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

01/20/2017

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

Special loads

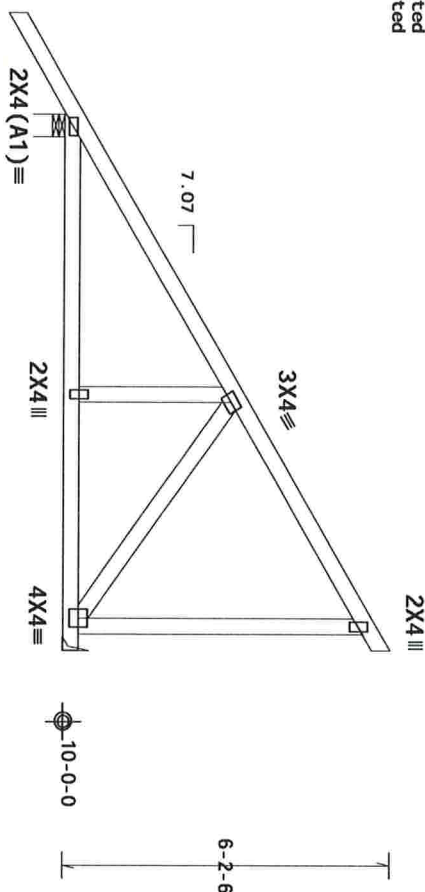
Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 0 plf at -1.89 to 63 plf at 0.00

Run	From	To	Conc.	Load	Time
BC-	From	0 pif at -1.89 to	2 pif at	0.00 to	9.90
BC-	From	2 pif at 0.00 to	2 pif at	0.00 to	9.90
TC-	42.75	1b Conc.	Load at	1.48	

TC- 276.50 lb Conc. Load at 7.13

BC-104.80 lb Conc. Load at 4.31

2X4 III



9-10-13 Over 2 Supports
R=376 U=223 W=4.95" R=447 U=

R=447 U=142
H=H1 thru H3

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16:01.00.0473.17

FL/-/1/-/-/R/-

Scale = .3125"/Ft.

---WARNING!--- READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

20.00

20.01

REF R215-- 83882



AN I I W COMPANY

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Orlando, FL 32837
FL COA #0278

For more information see this job's general notice page and these web sites:
ALPINE: www.alpine.beam; TPI: www.tpi.co.uk; BTCL: www.bcl-industry.com; ICD: www.icd.co.uk

DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215_Z04

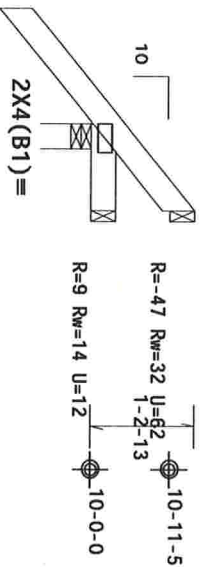
01/20/2017

THIS FILE CONTAINS INFORMATION FROM SOURCE IDENTIFIED IN CARD 1 OF SOURCE DATA. INFORMATION FOR THIS SOURCE MAY BE OBTAINED FROM THE FOLLOWING FILE(S):

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcbl (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



← 1-4-0 →
1-0-0 Over 3 Supports

R=236 U=48 W=3.499"
RL=54/-50

Design Crit: FBC2014Res/TP1-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0)

16-01-06/0478-1720

FY--/1/--/R/-

Scale = 5"/Ft



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FL COA #0278

[illegible]

TIC L	20.0 PSF	REF R215-- 83883
TIC PL	10.0 PSF	DATE 01/19/17
DL	10.0 PSF	DRW HCURS215 17019095
LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455352
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215 Z04

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - J03)

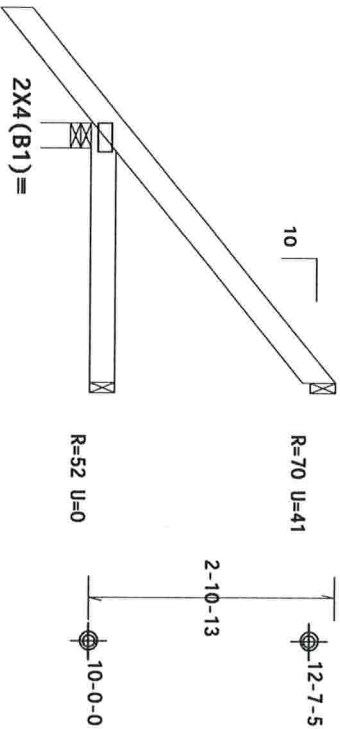
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Bottom chord checked for 10.00 psf non-concurrent live load.

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.



1-4-0

3-0-0 Over 3 Supports

R=258 U=16 W=3.5"
RL=102/-68

Design Crit: FBC2014Res/TP1-2007 (STD)

FT/RT=20%(0%)/10(0)

16.1

1.06

0.42

No. 168648

TV 6

F/-/1/-/1/-/R/-

Scale = .5"/Ft.

REF R215-- 83884

DATE 01/19/17

DRW HUSK215 17019074

HC-ENG KD/DF

SECN- 453353

FROM CDM

JREF - TVXM215_Z04

TOT. LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 24.0"

ALPINE

AN ITW COMPANY

2400 Lake Orange Dr., Suite 150

Orlando, FL 32837

FL COA #0278

For more information see this job's general notes page and truss web sites:

ALPINE: www.alpineinc.com; TP1: www.tp1inc.com; BTCA: www.btcaindustry.com; ICD: www.icdusa.org

01/20/2017

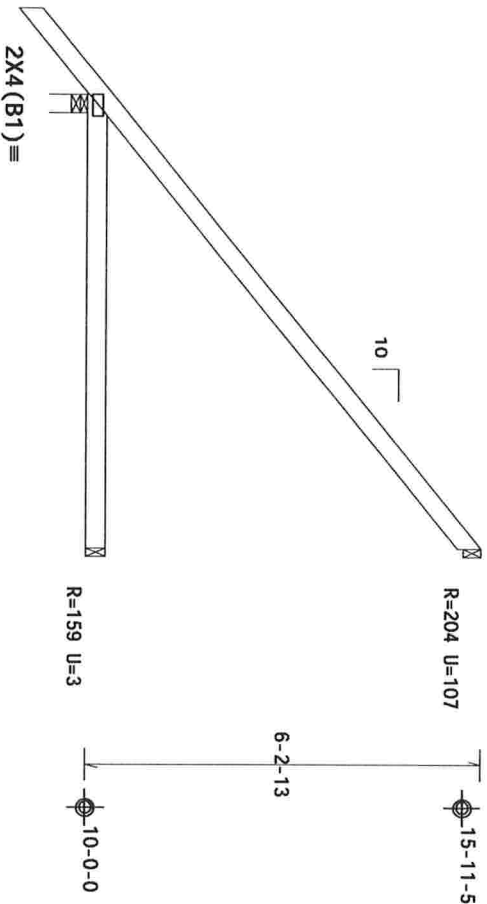
THIS DWG PREPARED FROM COMPUTER INPUT (10ANS & DIMENSIONS) SUBMITTED BY TDRUSS MRP

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 450 ft from roof edge, PISK CAT II, EYD C, wind TC D1-E0, see

Wind loads and reactions based on MWFRS with additional C&C member

design.

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



TD)

~~16-01-04 04:13~~ OTY 20 11/-/1/-/1-/B/-

Scale = 375"/Ft

10. 60346

TG LL	20.0
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REF R215-- 83886

STATE OF FLORIDA



Seal of the National Council on Alcoholism and Drug Dependence

DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215 Z04

01/20/2017

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

factor for dead load is 1.50.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine1ez.com; TPI: www.tpinst.org; BRCA: www.sbcindustry.com; ICC: www.iccnfo.org

TG	LL	20.0 PSF	REF	R215--	83887
★TG	DL	10.0 PSF	DATE	01/19/17	
B★	DL	10.0 PSF	DRW	HOURS215	17019054
★	LL	0.0 PSF	HC-ENG	KD/DF	
TOT.	LD.	40.0 PSF	SEQN-	455421	
DUR.	FAC.	1.25	FROM	CDM	
SPACING		24.0"	JREF-	1VXM215_Z04	

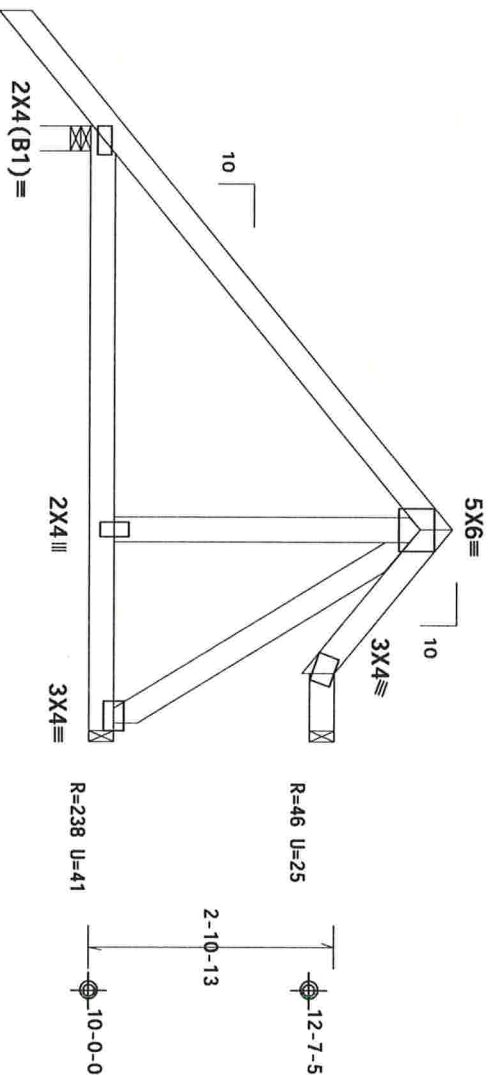
01/20/2017

THIS FILE DERIVED FROM COMPILED LIST OF CARDS & DIGITAL DATA SUBMITTED BY STATES AND

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GcPf (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16-01 01 04/3 17
OTV 1
11/-/1/-/-/B/-

Scale = 5"/Ft

2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

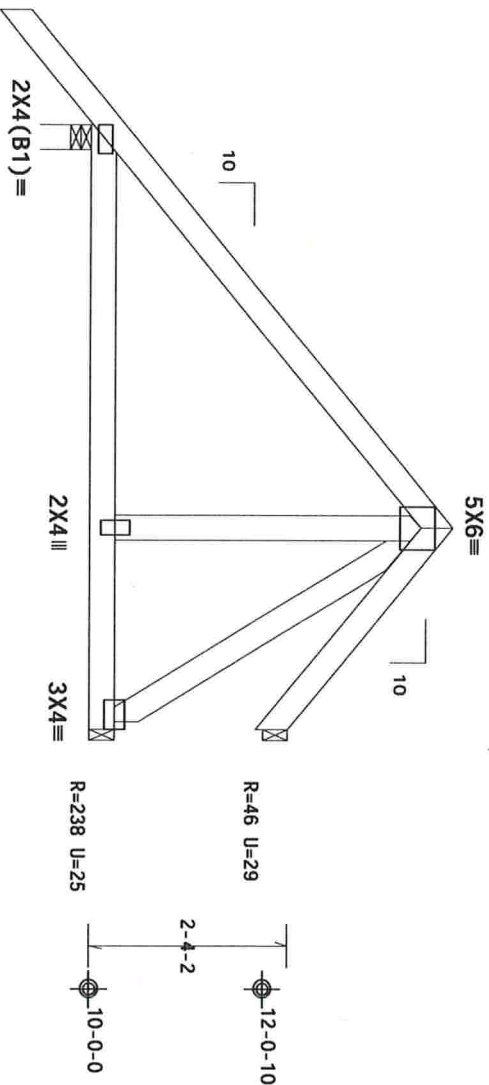
TOT. LL	20.0 PSF	REF	R215-- 83888
HC DL	10.0 PSF	DATE	01/19/17
DL	10.0 PSF	DRW	HOURS215 17019055
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455420
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215 Z04

THIS FILE PREPARED FROM COMPUTER INPUT (1 CARD & DIMENSIONS) SUBMITTED BY TOLIC AND

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCDI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



4-8-0 2-4-0
7-0-0 Over 3 Supports
R=414 U=58 W=3.5"
RL=88/-119

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16.01.09/0423.174 OTY:1 E:--/1/--/-/B/-

Scale = 5"/Ft



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

REF	R215--	83869
DATE	01/19/17	
DRW	HUSK215	17019056
HC-ENG	KD/DF	
SEQN-	455418	
FROM	CDM	
DUR. FAC.	1.25	
SPACING	24.0"	

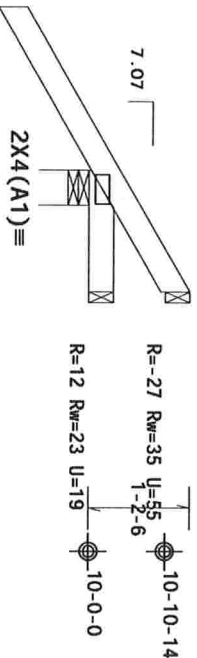
01/20/2017

THIS FILE PREPARED FROM COMPUTER INPUT (GRADE & DIMENSIONS) SUBMITTED BY TRUCKS AND

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Special loads			
-----(Lumber			
TC- From	Dur. Fac.=1.25 /	Plate	Dur. Fac.=1.25)
	0 pif at -1.89 to	63 pif at	0.00
TC- From	2 pif at 0.00 to	2 pif at	1.41
BC- From	0 pif at -1.89 to	5 pif at	0.00
BC- From	2 pif at 0.00 to	2 pif at	1.41
Bottom chord checked for 10.00 psf non-concurrent live load.			
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.			



← 1-10-10 →
1-5-b Over 3 Supports

R=147 R_w=248 U=73 W=4.95"
RL=55/-41

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16 01 0910438 17 9TY:1 E/-/-1/-/-/B/-

Scale = 5"/E+



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

****IMPORTANT****
UNINSTALLERS - READ AND FOLLOW ALL NOTES ON THIS DRAWING.
FINISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

These drawings require sections cut in slab casting, bending, shipping, installing and bracing. Refer to and coordinate with the following drawings for details: 17B-100-1, 17B-100-2, 17B-100-3, 17B-100-4, 17B-100-5, 17B-100-6, 17B-100-7, 17B-100-8, 17B-100-9, 17B-100-10, 17B-100-11, 17B-100-12, 17B-100-13, 17B-100-14, 17B-100-15, 17B-100-16, 17B-100-17, 17B-100-18, 17B-100-19, 17B-100-20, 17B-100-21, 17B-100-22, 17B-100-23, 17B-100-24, 17B-100-25, 17B-100-26, 17B-100-27, 17B-100-28, 17B-100-29, 17B-100-30, 17B-100-31, 17B-100-32, 17B-100-33, 17B-100-34, 17B-100-35, 17B-100-36, 17B-100-37, 17B-100-38, 17B-100-39, 17B-100-40, 17B-100-41, 17B-100-42, 17B-100-43, 17B-100-44, 17B-100-45, 17B-100-46, 17B-100-47, 17B-100-48, 17B-100-49, 17B-100-50, 17B-100-51, 17B-100-52, 17B-100-53, 17B-100-54, 17B-100-55, 17B-100-56, 17B-100-57, 17B-100-58, 17B-100-59, 17B-100-60, 17B-100-61, 17B-100-62, 17B-100-63, 17B-100-64, 17B-100-65, 17B-100-66, 17B-100-67, 17B-100-68, 17B-100-69, 17B-100-70, 17B-100-71, 17B-100-72, 17B-100-73, 17B-100-74, 17B-100-75, 17B-100-76, 17B-100-77, 17B-100-78, 17B-100-79, 17B-100-80, 17B-100-81, 17B-100-82, 17B-100-83, 17B-100-84, 17B-100-85, 17B-100-86, 17B-100-87, 17B-100-88, 17B-100-89, 17B-100-90, 17B-100-91, 17B-100-92, 17B-100-93, 17B-100-94, 17B-100-95, 17B-100-96, 17B-100-97, 17B-100-98, 17B-100-99, 17B-100-100, 17B-100-101, 17B-100-102, 17B-100-103, 17B-100-104, 17B-100-105, 17B-100-106, 17B-100-107, 17B-100-108, 17B-100-109, 17B-100-110, 17B-100-111, 17B-100-112, 17B-100-113, 17B-100-114, 17B-100-115, 17B-100-116, 17B-100-117, 17B-100-118, 17B-100-119, 17B-100-120, 17B-100-121, 17B-100-122, 17B-100-123, 17B-100-124, 17B-100-125, 17B-100-126, 17B-100-127, 17B-100-128, 17B-100-129, 17B-100-130, 17B-100-131, 17B-100-132, 17B-100-133, 17B-100-134, 17B-100-135, 17B-100-136, 17B-100-137, 17B-100-138, 17B-100-139, 17B-100-140, 17B-100-141, 17B-100-142, 17B-100-143, 17B-100-144, 17B-100-145, 17B-100-146, 17B-100-147, 17B-100-148, 17B-100-149, 17B-100-150, 17B-100-151, 17B-100-152, 17B-100-153, 17B-100-154, 17B-100-155, 17B-100-156, 17B-100-157, 17B-100-158, 17B-100-159, 17B-100-160, 17B-100-161, 17B-100-162, 17B-100-163, 17B-100-164, 17B-100-165, 17B-100-166, 17B-100-167, 17B-100-168, 17B-100-169, 17B-100-170, 17B-100-171, 17B-100-172, 17B-100-173, 17B-100-174, 17B-100-175, 17B-100-176, 17B-100-177, 17B-100-178, 17B-100-179, 17B-100-180, 17B-100-181, 17B-100-182, 17B-100-183, 17B-100-184, 17B-100-185, 17B-100-186, 17B-100-187, 17B-100-188, 17B-100-189, 17B-100-190, 17B-100-191, 17B-100-192, 17B-100-193, 17B-100-194, 17B-100-195, 17B-100-196, 17B-100-197, 17B-100-198, 17B-100-199, 17B-100-200, 17B-100-201, 17B-100-202, 17B-100-203, 17B-100-204, 17B-100-205, 17B-100-206, 17B-100-207, 17B-100-208, 17B-100-209, 17B-100-210, 17B-100-211, 17B-100-212, 17B-100-213, 17B-100-214, 17B-100-215, 17B-100-216, 17B-100-217, 17B-100-218, 17B-100-219, 17B-100-220, 17B-100-221, 17B-100-222, 17B-100-223, 17B-100-224, 17B-100-225, 17B-100-226, 17B-100-227, 17B-100-228, 17B-100-229, 17B-100-230, 17B-100-231, 17B-100-232, 17B-100-233, 17B-100-234, 17B-100-235, 17B-100-236, 17B-100-237, 17B-100-238, 17B-100-239, 17B-100-240, 17B-100-241, 17B-100-242, 17B-100-243, 17B-100-244, 17B-100-245, 17B-100-246, 17B-100-247, 17B-100-248, 17B-100-249, 17B-100-250, 17B-100-251, 17B-100-252, 17B-100-253, 17B-100-254, 17B-100-255, 17B-100-256, 17B-100-257, 17B-100-258, 17B-100-259, 17B-100-260, 17B-100-261, 17B-100-262, 17B-100-263, 17B-100-264, 17B-100-265, 17B-100-266, 17B-100-267, 17B-100-268, 17B-100-269, 17B-100-270, 17B-100-271, 17B-100-272, 17B-100-273, 17B-100-274, 17B-100-275, 17B-100-276, 17B-100-277, 17B-100-278, 17B-100-279, 17B-100-280, 17B-100-281, 17B-100-282, 17B-100-283, 17B-100-284, 17B-100-285, 17B-100-286, 17B-100-287, 17B-100-288, 17B-100-289, 17B-100-290, 17B-100-291, 17B-100-292, 17B-100-293, 17B-100-294, 17B-100-295, 17B-100-296, 17B-100-297, 17B-100-298, 17B-100-299, 17B-100-300, 17B-100-301, 17B-100-302, 17B-100-303, 17B-100-304, 17B-100-305, 17B-100-306, 17B-100-307, 17B-100-308, 17B-100-309, 17B-100-310, 17B-100-311, 17B-100-312, 17B-100-313, 17B-100-314, 17B-100-315, 17B-100-316, 17B-100-31

1.06 0443 17
No. 66848
12/31/17

REF	R215--	83890
DATE	01/19/17	
DRW	HCSR215	17019057
HC-ENG	KD/DF	
SEQN-	455414	
FROM	CDM	
JREF-	1VXN215	Z04
SPACING	24.0"	
DUR.	FAC.	1.25
TOT.	LD.	40.0 PSF
HC	LL	0.0 PSF
DL		10.0 PSF
DL		10.0 PSF
LL		20.0 PSF

THIS DWG PREPARED FROM COMPILED INPUT (LAND & DIMENSIONS) SUBMITTED BY TRUSC WED

Special loads
----- (lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25)

	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25
TC-From	66 pif at 0.00 to 66 pif at 1.00
BC-From	20 pif at 0.00 to 20 pif at 1.00
BC-1279.83 lb Conc.	Load at 0.40

Wind loads and reactions based on MWFRS.

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



R=956 U=141 W=3.5"

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

FT/RT=20%(0%)/10(0)

QTY: 16.01.0910423.17

F/-/-/1/-/-/R/-

Scale = .5"/Ft.

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Orlando, FL 32837
FL COA #0278

[illegible]

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine1.com; TPI: www.tpi.mt.org; BTCA: www.sbcindustry.com; ICC: www.iccsafr.org

DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1VXM215 Z04

01/20/2017

THIS PWC PREPARED FROM COMPILED INPUT / IARS & FINANCIALS) SUBMITTED BY APPLICANT

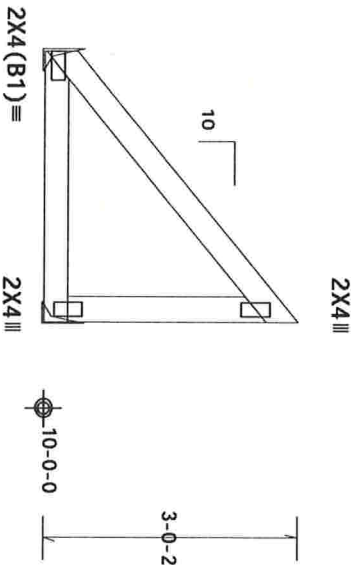
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gobi (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



< 3-1-9 Over 2 Supports >

R=140	U=0
RL=48/-28	
H=H1	
	R=129
	U=26
	H=H2

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20(0%)/10(0)

16 01 06 0423.17 0TY:1

Scale = .5"/Ft.

****WARNING!**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpiusa.org; WICA: www.abciindustry.com; ICC: www.iccnw.org

TOT. LL	20.0 PSF	REF	R215-- 83892
HC DL	10.0 PSF	DATE	01/19/17
DL	10.0 PSF	DRW	H05R215 17019058
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455406
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXN215 Z04

01/20/2017

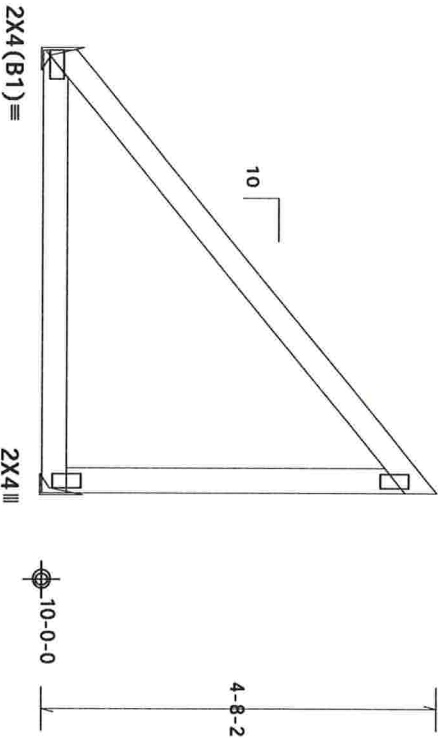
THIS FWC PREPARED FROM COMPILED INPUT / DATA & DISFUNCTIONS SUBMITTED BY TRUCKS AND

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2X4 III



R=215 U=42
H=H2

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

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Orlando, FL 32837
FL COA #0278

[illegible]

TOT. LL	20.0 PSF	REF	R215-- 83693
HC-DL	10.0 PSF	DATE	01/19/17
SG-DL	10.0 PSF	DRW	HCSR215 17019060
HC-LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455405
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	FREE -	1VXM215 Z04

THIS WILL REDUCED FROM COMPLETED 11/04/00 & SUBSEQUENT) SUBMITTED BY PRIOR NEW

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gobi (+/-)=0.18

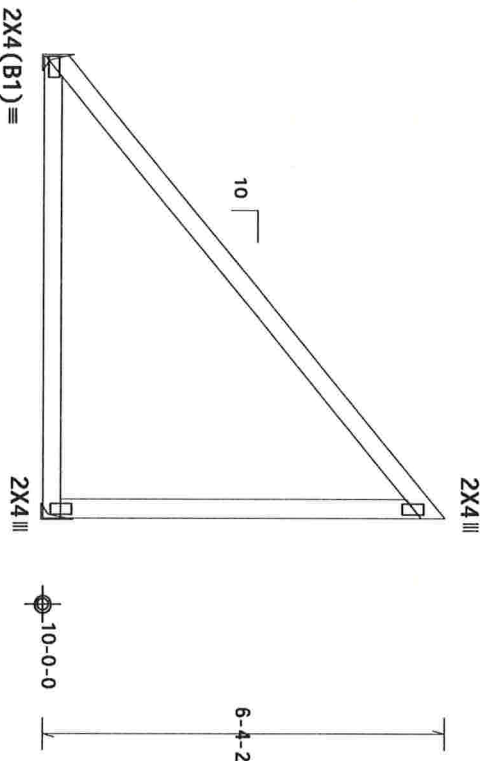
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

factor for dead load is 1.50.



7-1-9 Over 2 Supports

R=312 U=0
RL=112/-65
H=H1

R=301 U=58
H=H2

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

FT/RT=20%(0%)/10(0)

16.01.001.0423.17.01Y.1

Scale = 375"/Ft

*****WARNING!*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Id. 000-00

TC	20.0 F
----	--------

REF R215-- 83894



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Orlando, FL 32837
FL COA #0278

For more information see this job's general notice page and these web sites:
ALPINE: www.alpine1tv.com; TPI: www.tpi1mtc.org; BTCA: www.btcaindustry.com; ICC: www.iccsafe.org



DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215 Z04

01/20/2017

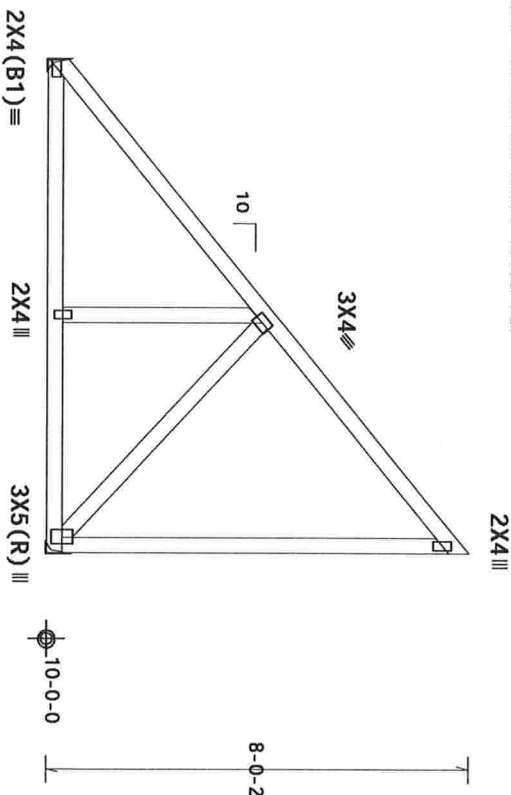
(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - K04)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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.

These support conditions used at bearings indicated
(H1) = L/SU26 w/ (2)2x6 SP M-31 supporting member.
(6) 0.148"x3" nails into supporting member.
(5) 0.148"x1.5" nails into supported member.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



9'-1'-9" Over 2 Supports
R=398 U=0
RL=144/-83
H=H1
R=387 U=74
H=H2

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007 (STD)
FT/RT=20%(0%)/10(0)

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING!
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.



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FL COA #0218

ALPINE: www.alpineinc.com; TPI: www.tpi.net; or G: www.alpineinc.com; 100: www.alpineinc.com



130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

16.01.00.043.18 QTY 1

Scale = .3125"/Ft.

TO	LL	20.0 PSF	REF	R215--	83895
NO	DL	10.0 PSF	DATE	01/19/17	
BE	DL	10.0 PSF	DRW	HCUSR215	17019062
HC	LL	0.0 PSF	HC-ENG	KD/DF	
TOT.	LD.	40.0 PSF	SEGN-	455403	
DUR.	FAC.	1.25	FROM	CDM	
SPACING	24.0"		JREF-	1VXM215_Z04	

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - K05)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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.

These support conditions used at bearings indicated
(H1) = LSL26 w/ (2)2x6 SP M-31 supporting member.
(6) 0.148"x3" nails into supporting member.
(5) 0.148"x1.5" nails into supported member.

MMFRS loads based on trusses located at least 30.08 ft. from roof edge.

130 mph wind, 15.04 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18

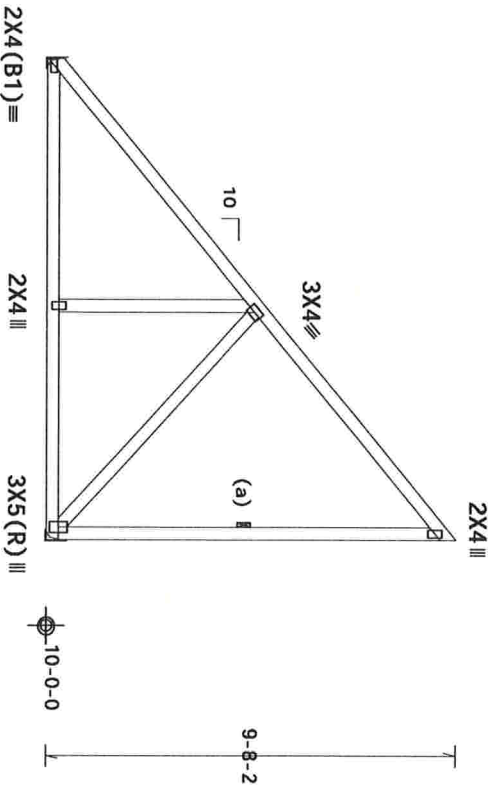
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



11'-1-9 Over 2 Supports
R=484 U=0
RL=176/-102
H=H1
R=473 U=91
H=H2

PLT TYP. Wave

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16.01.06.043.11 QTY 1

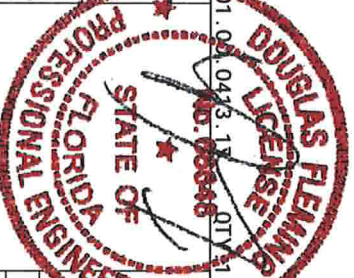
Scale = .25" / Ft.



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FL COA #0728

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WDA) for safety precautions. Top chord shall have properly attached structural bracing per BCSI. Webs shall have bracing installed per BCSI. Bottom chord shall have properly attached structural bracing per BCSI. Apply plates to each face of truss and position as shown above and below joint details, unless noted otherwise. Refer to drawings 100K-2 for standard plate positions. All truss components shall be installed in accordance with AISI S100-11, or for handling, shipping, installation & bracing of trusses. ALPINE, Inc. shall not be responsible for any deviation from this drawing, any failure to build per this drawing, or any other deviation from this drawing. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the building designer per ASCE/TP1 Sec. 2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpi.com; BCSI: www.bcsinc.com; AISI: www.aisi.org



TC	DL	20.0 PSF	REF	R215--	83896
HC	DL	10.0 PSF	DATE	01/19/17	
BC	DL	10.0 PSF	DRW	HCSR215	17019063
HC	LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455402		
DUR. FAC.	1.25	FROM	CDM		
SPACING	24.0"	JREF-	1VXM215_Z04		

01/20/2017

THIS PWC PREPARED FROM SOURCES INDICATE (1) CARDS & CLINICALS) SUBMITTED BY TRUSS AND

130 mph wind, 15.87 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gccl (+/-)=0.18

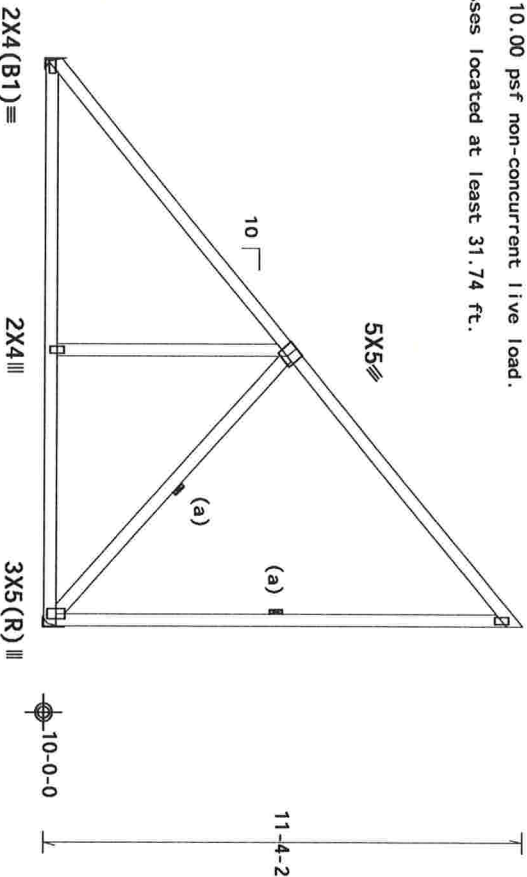
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral restraint equally spaced on member.

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

—



13-1-9 Over 2 Supports

R=570 U=0
RL=210/-120
H=H1

R=559 U=110
H=H2

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

 $FT/RT = 20\% (0\%) / 10 (0)$

601 04/3 18 01V1

H/-/-1/-/-/R/-

Scale = 25"/E+



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Orlando, FL 32837
FL COA #0278

[illegible]

TO LL	20.0 PSF	REF	R215-- 83897
HC DL	10.0 PSF	DATE	01/19/17
SG DL	10.0 PSF	DRW	HCUSR215 17019064
FC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455394
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREE -	1YXW215 Z04

THIS DWG PREPARED FROM COMPUTER INPUT (10ADS & DIMENSIONS) SUBMITTED BY TBISS MED

130 mph wind, 15.70 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf wind BC DL=5.0 psf, GdPi (+/-)=0.18

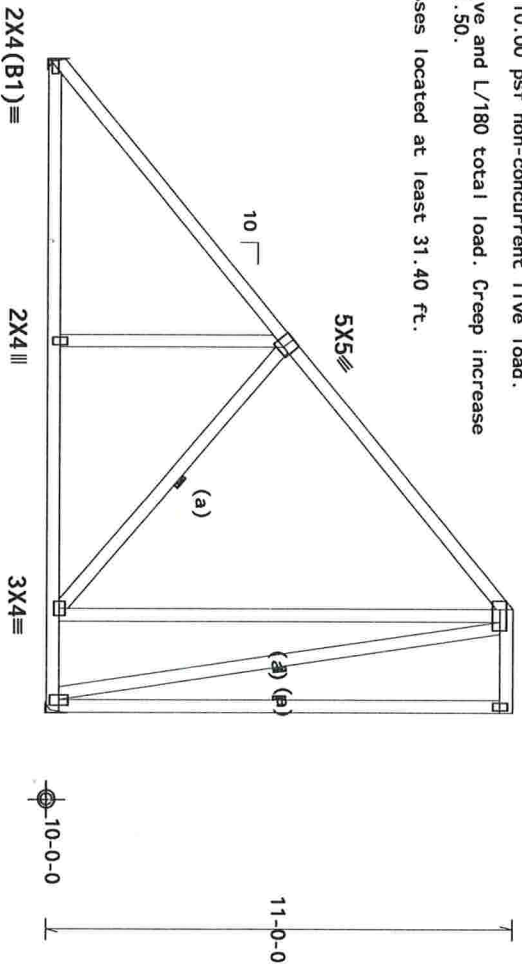
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral restraint equally spaced on member.

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

$$4 \times 8 \equiv 2 \times 4 \pmod{12}$$



12-8-10 2-4-15

15-1-9 Over 2 Supports

R=656 U=0
RL=203/-116
H=H1

R=645 U=125
H=H2

PLT TYP.	Wave	FT/RT=20%(0%)/10(0)

FT/RT=20%(0%)/10(0)

16.01.00.043.17	QTY: 1
-----------------	--------

-L/-/1/-/-/R/-

Scale = .25"/Ft.



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Orlando, FL 32837
FL COA #0278

[illegible]

T ₁ LL	20.0 PSF	REF	R215-- 83898
DL	10.0 PSF	DATE	01/19/17
B DL	10.0 PSF	DRW	HOURS215 17019065
C LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455392
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXN215 Z04

THIS FILE DERIVED FROM COMPILED INPUT (1 CARD * DISPOSITION) SUBMITTED BY TRUSS AND

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gobi (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

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

 $FI/RT=20\%(0\%)/10(0)$

1/-/1/-/1/-/1/-

Scale - 5"/E+

Trussers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and read the latest edition of BCSS (Building Component Safety Information, by PPI and ITCA) for safety practices.

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FL COA #0278

With this drawing or one marking this drawing, indicates acceptance of professional engineering liability for the design shown. Issuing and use of this drawing for any structure is the responsibility of the Building Developer per ASCE/TPP 1 Sec. 2.

For more information see this job's general notes page and these url's:
 www.international.com; TPI: www.tpi.net; or: IFCA: www.international.com
 ICD: www.icdusa.com

TOT. LL	20.0 PSF	REF	R215--	83899
★ DL	10.0 PSF	DATE	01/19/17	
B DL	10.0 PSF	DRW	H05K215	17019066
HC LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEQN-	455413	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	FREE-	1VXM215	Z04

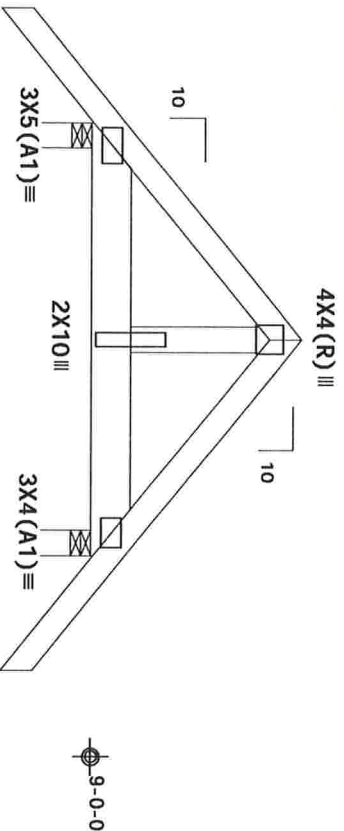
01/20/2017

THIS FILE CONTAINS FROM CONTINUED LISTING OF CARD 8. (REMARKS) CURRENTLY NOT REPRODUCED HERE

Special loads
Dur Ecce -1 25 / Plate Dur Ecce -1 25)

Wind loads and reactions based on MWFRS.

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



R=1916 U=72 W=3.5"

PLT TYP. Wave

16-01 00 0473 17 QTY 1

-I/-/1/-/-/-/B/-

Scale = 5"/Ft



2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0278

[illegible]

STATE OF FLORIDA
PROFESSIONAL ENGINEER

TOT. LL	20.0 PSF	REF	R215-- 83900
HC DL	10.0 PSF	DATE	01/19/17
B DL	10.0 PSF	DRW	HCUSE215 17019141
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEON-	455447
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215 Z04

01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - P01)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 21.24 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

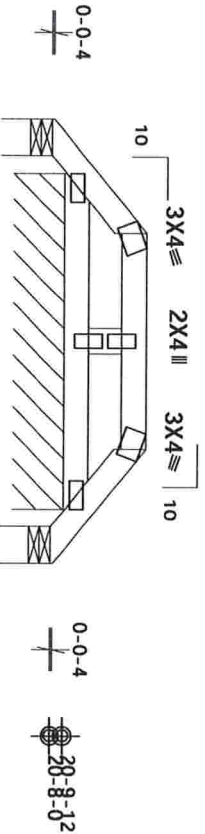
Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MMFRS loads based on trusses located at least 10.62 ft. from roof edge.

Refer to DWG PB160101014 FOR PIGGYBACK DETAILS.



2X4(B1) = 2X4 2X4(B1) =
0-8-5 3-10-10 0-7-9
0-8-5 2-6-0 0-8-5
5-1-12 Over 3 Supports
R=21 Rw=32 U=15 W=5.167" R=21 U=6 W=5.167"
RL=29/-29
R=94 PLF U=15 PLF W=3-10-10

PLT TYP. Wave

Design Crit: FBC2014Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

16.11.00 04/01/2008

Scale = .5"/Ft.

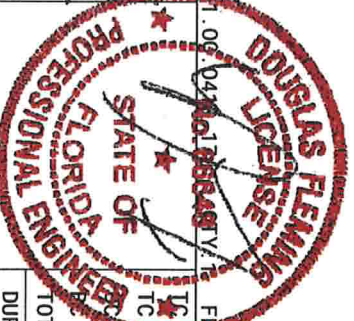


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FL COA#0728

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for safety precautions and instructions. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B2, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on drawings. A division of TPI Building Products, Inc. is responsible for any deviation from this drawing, any failure to build the truss in accordance with MMS/TPI 1, or for handling, shipping, installing and bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the building designer per MMS/TPI 1 Sec.2.

ALPINE: www.alpine.com; TPI: www.tpi.com; WTC: www.wtcindustry.com; ICC: www.iccdirect.org



TC	L	20.0 PSF	REF	R215--	83901
TC	DL	10.0 PSF	DATE	01/19/17	
CC	DL	10.0 PSF	DRW	HOURS215	17019076
LL		0.0 PSF	HC-ENG	KD/DF	
TOT. LD.		40.0 PSF	SEQN-	455408	
DUR. FAC.		1.25	FROM	CDM	
SPACING		24.0"	JREF	1VXM215_Z04	

01/20/2017

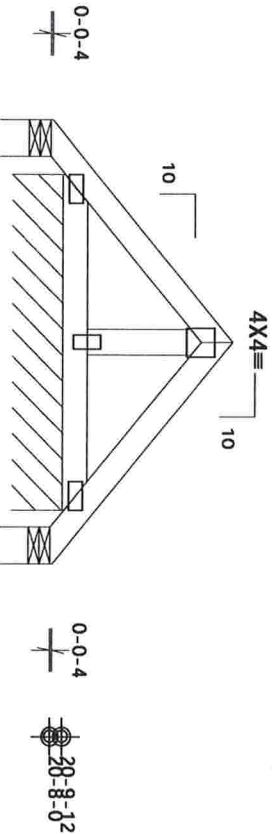
THIS FIVE PREPARED FROM COMPLETED INQUIRY (CARD # 115610101) SUBMITTED BY TOLSON AND

130 mph wind, 21.76 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcbi (+/-)=0.18

Wind loads and reactions based on MNRFS with additional C&C member design.

MINNERS loads based on trusses located at least 10.88 ft. from roof edge.

MINNERS loads based on trusses located at least 10.88 ft. from roof edge.


$$2X_4(B_1) \equiv 2X_4 \equiv 2X_4(B_1) \equiv$$

3-10-10 10-7-9

1-11-5 1-11-5

5-1-12 Over 3 Supports

R=9 R_w=55 U=45 W=5.167"
R_L=61/-61

R=103 PLF U=16 PLF W=3-10-10

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

PLT TYP. Wave

File:///C:/R/

Scale = .5"/Ft.

*****DRAINING!*** READ AND FOLLOW ALL NOTES ON THIS DRAINING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

[illegible]

TC	20.0
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REF R215-- 83902



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FL COA #0278

[illegible]

SPACING	24.0"	JREF- 1VXM215 Z0.
CDUR. FAC.	1.25	FROM CDM

THIS DWG. PREPARED FROM COMPILED INPUT (ORDS & DIMENSIONS) SUBMITTED BY TRUCK MFG

130 mph wind, 21.75 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK Cat II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gc(1+/-)=0.18

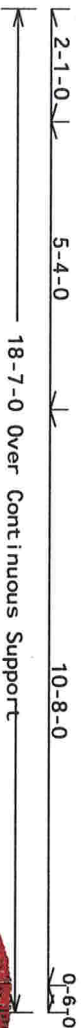
Wind loads and reactions based on MNFRS with additional C&C member design.

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

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

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

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


$$RL=3/-7 \text{ PLF}$$

Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

16. 1.061041817650TY.1 FV/-/1/-/-/R/-

Scale = .3125"/Ft.



For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebw.com; TPI: www.tpinet.org; ITCA: www.abciindustry.com; ICC: www.iccmf.org

REF	R215--	83904
DATE	01/19/17	
DRW	HCSR215	17019079
HC-ENG	KD/DF	
SEQN-	455384	
FROM	CDM	
JREF-	1VXM215_Z04	

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. --, FL - P05)

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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.37" due to live load and 0.41" due to dead load.

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

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

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

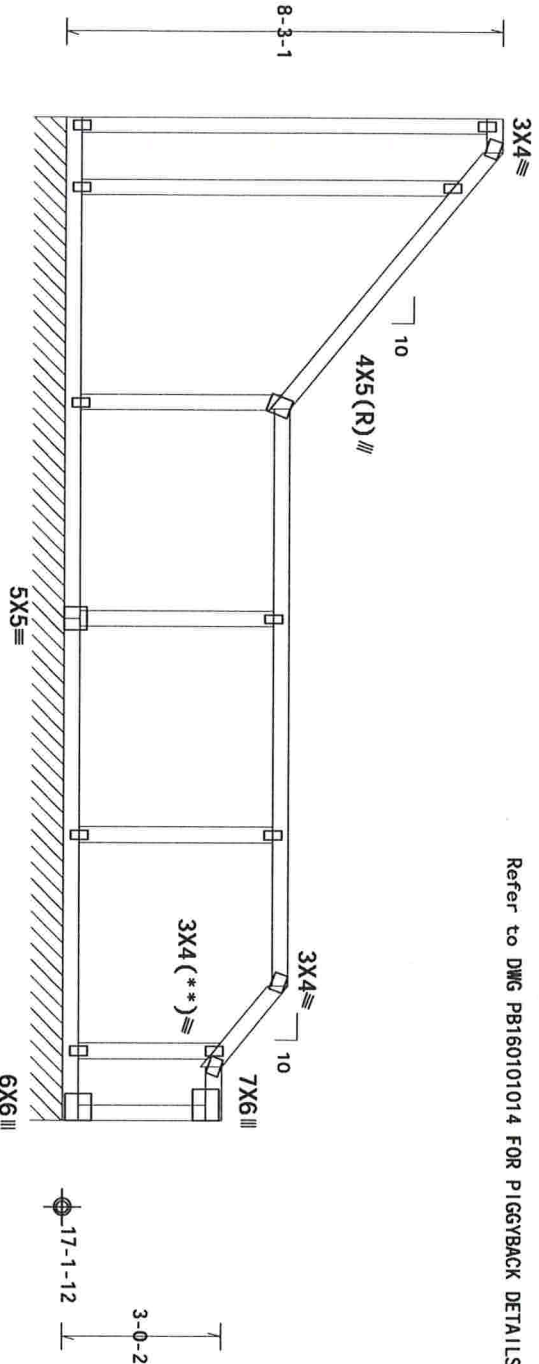
130 mph wind, 22.78 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 11.39 ft. from roof edge.

Refer to DWG PB160101014 FOR PLIGYBACK DETAILS.



R=86 PLF U=18 PLF W=18-7-0
RL=3/-8 PLF

Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave Design Crit: FBC2014Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

16.1.06.10446.106840 TV

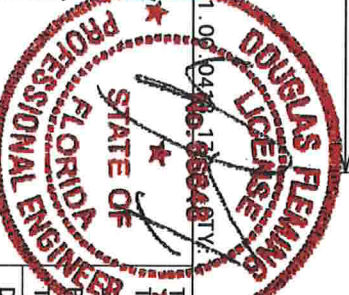
F/-/1/-/1/-/R/-

Scale = .3125"/Ft.



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FL COA #0278

ALPINE: www.alpineinc.com; TPI: www.trusscraft.org; WTC: www.abctim.com; 100: www.localfr.org



TC	DL	20.0 PSF	REF	R215--	83905
TC	DL	10.0 PSF	DATE	01/19/17	
DL	10.0 PSF	DRW	HCSR215	17019080	
LL	0.0 PSF	HC-ENG	KD/DF		
TOT. LD.	40.0 PSF	SEQN-	455387		
DUR. FAC.	1.25	FROM	CDM		
SPACING	24.0"	JREF-	1VXM215_Z04		

01/20/2017

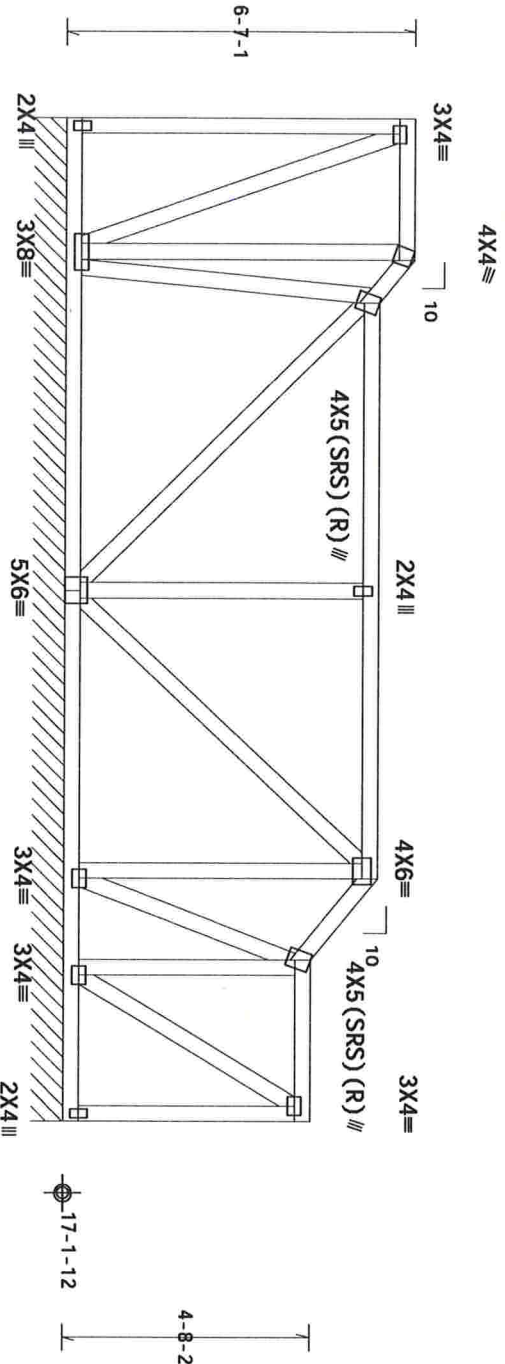
THIS FIRM DERIVED FROM COMPLETED INQUIRY (CARD & SURVEILLANCE) CONDUCTED BY SERVICE MEN

130 mph wind, 22.78 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpl (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

Bottom chord checked for 10 00 def non-concurrent live load design.

MNFRS loads based on trusses located at least 11.39 ft. from roof edge.

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

FT/RT=20%(0%)/10(0)

01.04.0473.17 QTY

L/-/1/-/-/R/-

Scale = .3125"/Ft.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpinet.org; BTCA: www.btcaindustry.com; ICC: www.iccsafe.org

DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1VXM215 Z04

01/20/2017

THIS PAGE PREPARED FROM COMPILED INPUT (1000S & DIMENSIONS) SUBMITTED BY TRUSS AND

130 mph wind, 22.02 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

MMFRS loads based on trusses located at least 44.03 ft. from roof edge.



R=22 R_w=34 U=4 W=5.167"
RL=41/-22
R=95 PLF U=20 PLF W=1-9-1

$$FT/RT=20\%(0\%)/10(0)$$

16.01.04.04.13.17.0TY.1

Scale = .5"/Ft.

No. 66646

REF R215-- 83907

DATE 01/19/17

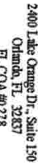
DRW HCUSR215 1701908

HC-ENG KD/DF

SFON- 455393

EBRM CDM

IBEE- 1VXM215 704



For more information see this job's general notes page and these web sites:
<http://www.enr.com>, <http://www.fdw.com>, <http://www.tpi.com>



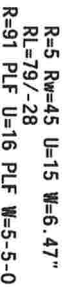
THIS FILE PREPARED FROM COMBINED INPUT (10000 + DISCRETE) SUBMITTED BY THIS USER

130 mph wind, 23.83 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = 5"/Ft

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FL COA #0278

TC LL	20.0 PSF	REF	R215-- 83908
TC DL	10.0 PSF	DATE	01/19/17
SC DL	10.0 PSF	DRW	HCU2R15 170190833
SC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455370
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JRFF-	1YXU215 704

01/20/2017

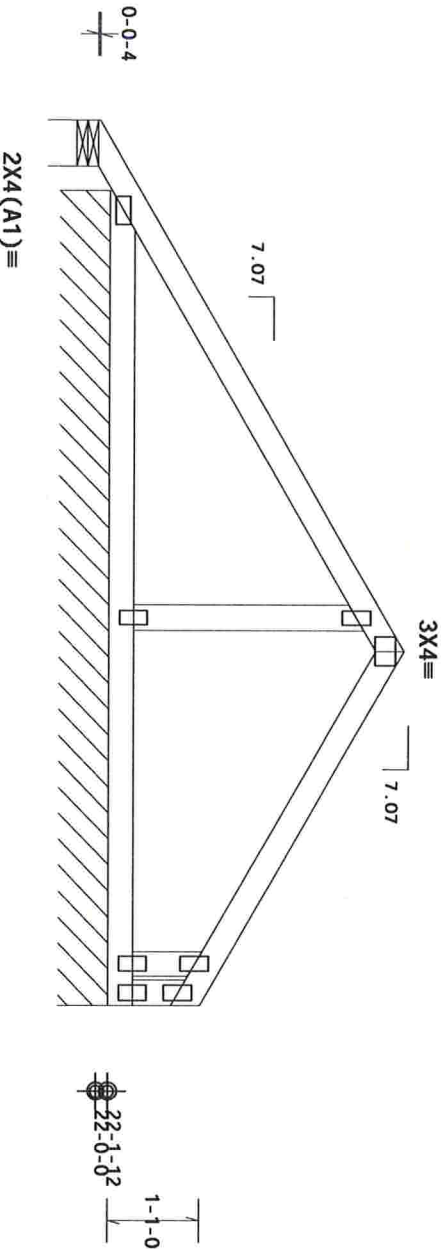
THIS RWC PREPARED FROM COMPILED INPUT (1 CARD - DIRECTORIES) SUBMITTED BY TRICC AND

130 mph wind, 23.83 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind Bc DL=5.0 psf, G60i (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

MMFRS loads based on trusses located at least 23.83 ft. from roof edge.

MMFRS loads based on trusses located at least 23.83 ft. from roof edge.



Design Crit: FBC2014Res/TP1-2007(STD)

FT/RT=20%(0%)/10(0)

16. 01.0910413.177 QTY

F:/-1/-1/-1/-1/R/-

Scale = .5"/Ft.

ALPINE
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FL COA #0278

[illegible]

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 006046

REF	R215--	83309
DATE	01/19/17	
DRW	HOURS215	17019084
HC-ENG	KD/DF	
SEQN-	455368	
FROM	CDM	
JREF-	1VXM215	Z04
SPACING	24.0"	
DUR.FAC.	1.25	
TOT.LD.	40.0	PSF
HC.LL	0.0	PSF
90.DL	10.0	PSF
TC.DL	10.0	PSF
TC.LL	20.0	PSF

01/20/2017

THIS DWG PREPARED FROM COMPUTER INPUT (1 DADS & DIMENSIONS) SUBMITTED BY TRUSS MFG

130 mph wind, 23.83 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gpbi (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

MMFRS loads based on trusses located at least 23.83 ft. from roof edge.

from roof edge.



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FL COA #0278

... requires accessories in fair-lead, bending, shiplifting, unloading and bracing. Refer to and for more information on the full range of products and solutions of BCS's Building Component Safety Information by TPI and WTC. For safety precautions and instructions for use, please refer to the product literature. Installation shall provide temporary bracing per BCS's Building Component Safety Information by TPI and WTC. Location shown for permanent lateral restraint of webs shall have bracing installed per BCS's Building Component Safety Information by TPI and WTC, as applicable. Apply braces to each face of truss and position as shown above and call out for standard bracing positions.

A division of TPI Building Components Group Inc. is responsible for standardizing bracing from this information to build the truss in conformance with ANSI/TPI 1, or for bending, shiplifting, unloading and bracing of trusses.

THIS DRAWING OR COVER PAGE ILLUSTRATING ILLUSTRATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN AND CONSTRUCTION OF THE TRUSS AND THE USE OF THIS DRAWING FOR ANY STRUCTURE IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 Sec. 2.

For more information see this job's general notes pages and these web sites:

ALPHINE: www.alphine.com; TPI: www.tpi.net; WTC: www.abo-industry.com; ICS: www.icsinfo.org



DATE	01/19/17
DRW	HOURS&15 17019085
HC-ENG	KD/DF
SEQN-	455366
FROM	CDM
JREF-	1VXM215 Z04
SPACING	24.0"
DUR. FAC.	1.25
TOT. LD.	40.0 PSF
HC-LL	0.0 PSF
HC-DL	10.0 PSF
TC-DL	10.0 PSF

01/20/2017

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

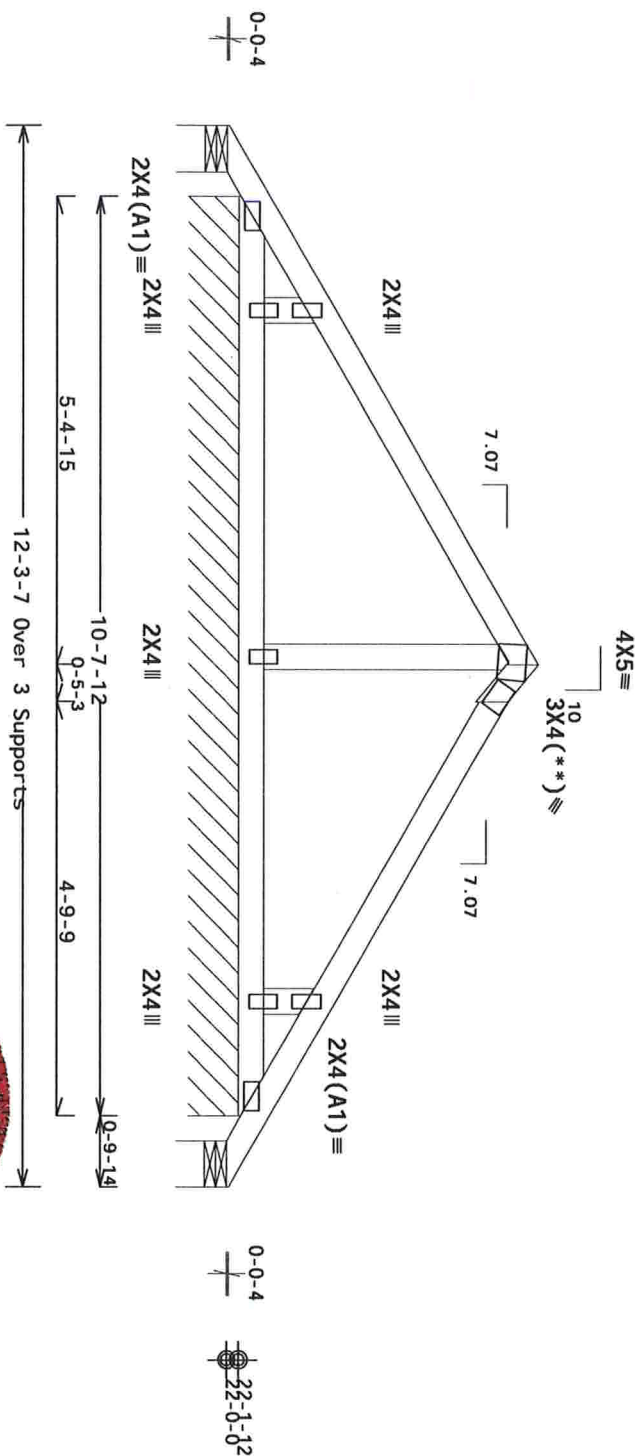
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

130 mph wind, 23.86 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

MMFRS loads based on trusses located at least 23.86 ft from roof edge.

Refer to DWG PB160101014 FOR PIGGYBACK DETAILS.



R=33 R_w=62 U=41 W=6.47"
RL=100/-99

R=86 PLF U=7 PLF W=10-7-12

Design Crit: FBC2014Res/TP1-2007(STD)

PLT TYP. Wave

$$\text{FT/RT} = 20\%(0\%) / 10(0)$$

16.01.00.04/3.1Y QTY:1

L/-/1/-/1/R/-

Scale = .5"/Ft.

---WARNING!--- READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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FL COA #0278

For more information see this job's general notice page and these web sites:
ALPHINE: www.alphine.fr.com; TPI: www.tpi-inc.org/; GTDA: www.gtda-industry.com/; ICD: www.icdinfo.org

SPACING	24.0"	JREF - 1VXM215_Z04
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01/20/2017

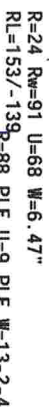
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

130 mph wind, 24.55 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MFRS with additional C&C member design.

MMFRS loads based on trusses located at least 24.55 ft. from roof edge.

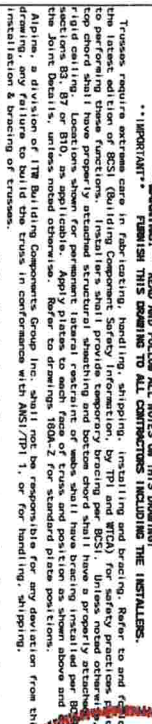
from roof edge.



16 01 01 0413 17 QTY 1

Scale = .5"/Ft.

Scale = .5"/Ft.



For more information see this job's general notes page and these web sites:
ALPINE: www.alpineltr.com; TPI: www.tpinet.org; ITCA: www.sbcindustry.com; ICC: www.iccsafe.org

01/20/2017

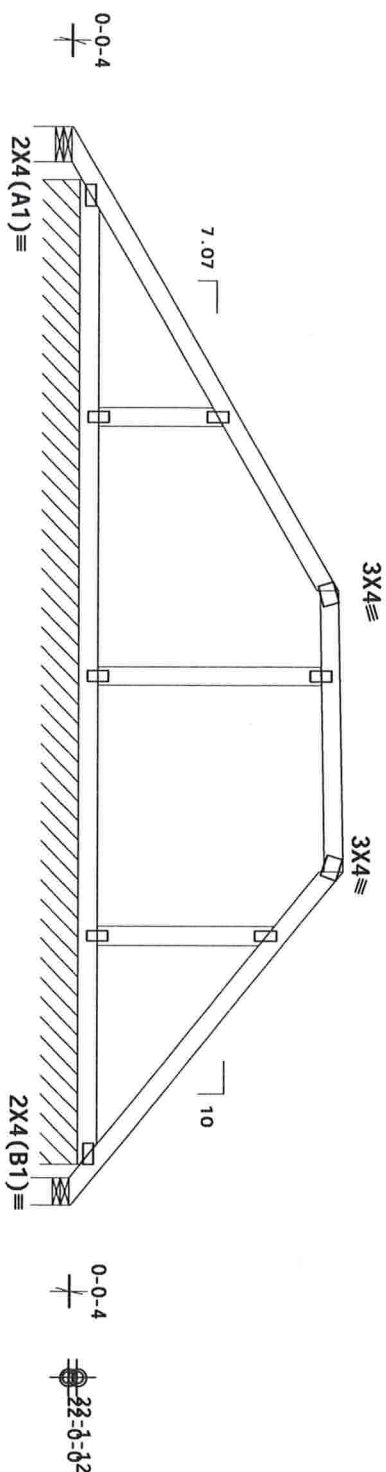
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

130 mph wind, 24.17 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpl (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

MMFRS loads based on trusses located at least 24.17 ft. from roof edge.

MMFRS loads based on trusses located at least 24.17 ft. from roof edge.



R=93 PLF U=11 PLF W=15-2-4

16.01.05 04:17

16.01.05 04:17

F/-/-/1/-/-/R/-/-

Scale = .375"/Ft.



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FL COA #0278

****1993/AT****
ALPHINE BUILDING DESIGN AND CONSTRUCTION INSTALLATIONS

Trusses require extensive care in field installation, handling, shipping, to and from the building site. The design team has provided the following information. Refer to the latest edition of BS61 (Building Component Safety Information, by TPI and BTDA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BS61. Unless noted otherwise, all trusses shall be properly detailed structurally and braced and banded shall have a properly attached and secured top chord. Trusses shall be installed in accordance with the following instructions:

Sections 88, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1804-2 for standard detail positions.

Alpine, a division of TPI Building Components Group, Inc. shall not be responsible for any deviation from this drawing or building components. Alpine shall not be responsible for any deviation from this drawing or shipping, installation or erection of the trusses in conformance with ASCE/TPI 1, or for handling, shipping.

A seal on this drawing or cover page listing this drawing, includes acceptance of professional engineering responsibility solely for the design shown. This submittal is for use of this drawing for any structure is the responsibility of the Building Designer per ASCE/TPI 1 Sec. 2.

ALPINE: For more information use this job's general notes page and these web sites:
http://www.alpinefor.com; TPI: www.tpi-inc.org; BTDA: www.btda-industry.com; ICD: www.icdafor.com



TC	20.0 PSF	REF	R215-- 83914
TC DL	10.0 PSF	DATE	01/19/17
BC DL	10.0 PSF	DRW	HCSR215 1701908
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455360
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215_Z0_

t				6		t
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01/20/2017

(16-0982-/HUBBART RESIDENCE /SPARKS CONST. ---, FL - P15)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 23.33 ft. from roof edge.

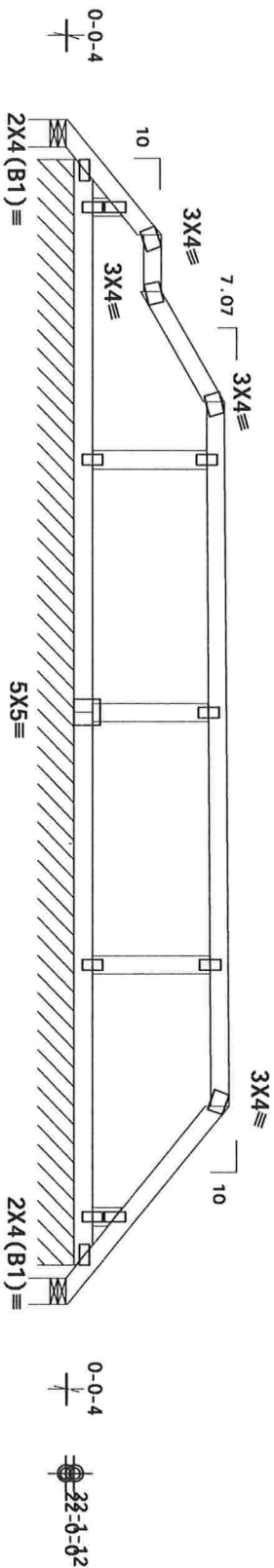
Refer to DWG PB160101014 FOR PIGGYBACK DETAILS.

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

130 mph wind, 23.33 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



R=19 Rw=65 U=46 W=5.167"
RL=75/-72

R=86 PLF U=18 PLF W=17-6-3

Note: All Plates Are 2X4 Except As Shown.
Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%/10/0)

16.01.09 (04/16/2016) ITV: 1606648

F/-1/-1/-R/-

Scale = .375"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Orlando, FL 32837
FL COA #0773

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the truss design. Do not alter the design. For safety, protection of the truss, the top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS Joint Detail or unless noted otherwise. All plates shown shall be installed as shown above and on the joint. Design of trusses and bracing is the responsibility of the truss manufacturer. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicating acceptance of professional engineering responsibility for the design shown. This seal shall be used for any drawing for any structure is the responsibility of the Building Designer per ASCE/TP1 1 Sec. 11.

For more information see this Job's general notes page and these web sites:
ALPINE: www.alpineinc.com; TPI: www.tpiinc.org; BCS: www.bcsinc.com; IBC: www.internationalibc.org

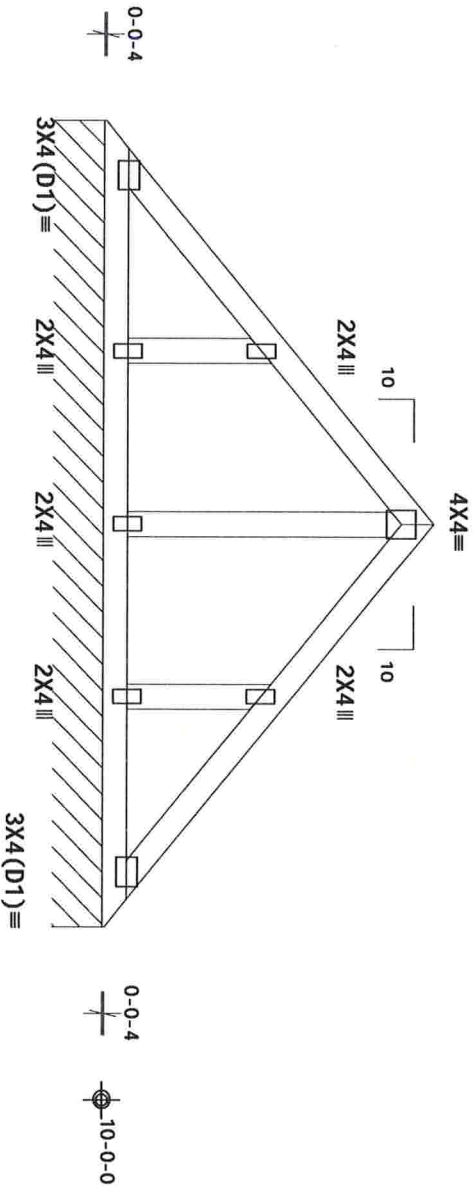
01/20/2017

THIS DATA FORWARDED FROM COMPILED LISTING (CARD & LISTING) SUBMITTED BY: [REDACTED]

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCDI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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



PLT TYP. Wave

16:01.00.0423.17 QTY:1 FL/-/1/-/-/R/-

Scale = .5"/Ft.



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Orlando, FL 32837
FL COA #0278

****INSTALLATION****

FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Tenases require extra care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions provided herein as well as those from the manufacturer's literature. This drawing is part of the selection set of BCSU Building Component Survey Information by TPI and WCA for solvent protection systems used in building construction. It provides information regarding product details and installation requirements for permanent lateral restraint of webs shall have bracing at regular intervals along the entire length of the web. The following are typical dimensions for rigid sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and below the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

Aluma, a division of TRS Building Components Group Inc., shall not be responsible for any deviation from this drawing due to changes made to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or placing the truss.

A seal on this drawing or cover page indicating this drawing indicates acceptance of professional engineering responsibility solely for the design shown. This seal certifies the use of this drawing for any structures is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2.

For more information see this job's general notes again and three web sites:

ALUMINE: www.alumline.com; TPI: <http://tpinc.net/>; WCA: www.industry.com; ISO: www.isoinfo.org

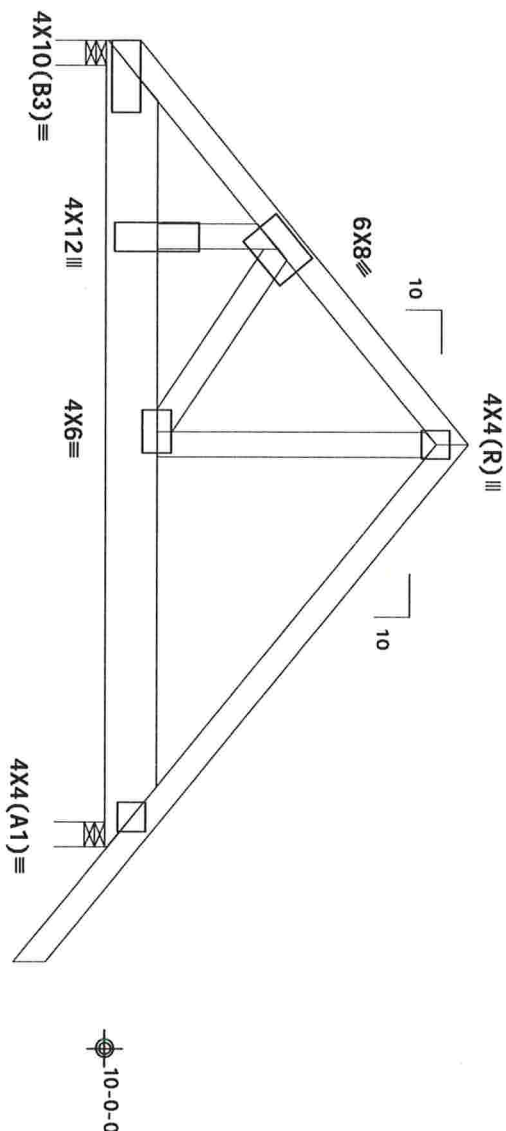
TOT. LL	20.0 PSF	REF	R215-- 83918
DL	10.0 PSF	DATE	01/19/17
DL	10.0 PSF	DRW	HOURS215 17019093
LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455419
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VXM215 Z04

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Special loads					
-----Lumber	Dur. Fac.=1.25 /	Plate	Dur. Fac.=1.25		
TC-From	66 pif at	0.00 to	66 pif at	4.62	
TC-From	56 pif at	4.67 to	56 pif at	10.63	
BC-From	20 pif at	0.00 to	20 pif at	9.33	
BC-From	5 pif at	9.33 to	5 pif at	10.67	
BC-3162.16	1b Conc. Load at	2.27			

Bottom chord checked for 10.00 psf non-concurrent live load.



4-8-0 4-8-0
9-4-0 Over 2 Supports
P. 24 AS 16
B. 2812 U=716 W=3.5"

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16. 11.06.04301858ACTY. It FLY/-/1/-/-/R/-

Scale = .5"/Ft.



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Orlando, FL 32837
FL COA #0278

****WARNING: READ AND FOLLOW ALL NOTES ON THIS BUILDING**

Trusses require attention due to field-to-field handling, shipping, and erection. Refer to and follow the latest edition of BCSI (Building Component System) Information, by TPI and WFOA, for safety practices pertaining to performing these functions. Installing shall provide temporary bracing per BCSI. Unless noted otherwise, cop chords shall have properly attached structural sheathing and bottom chord shall have a properly attached top chord. BSI, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings B804-2 for standard plate positions.

Aluma, a division of TPI Building Components Group Inc. shall not be responsible for any deviation from this installation drawing or breaking of truss in conformance with AISC/AISI/TPI 1, or for handling, shipping, installation and erection of truss.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. This submittal and use of this drawing for any structure is the responsibility of the Building Designer. See AISI/TPI 1 Sec. 2.

ALPINE: www.alpineinc.com For more information see this job's general notes page and these web sites:
www.tpiinc.com; www.bcsiindustry.com; www.wfoa.com



TC	LL	20.0	PSF	REF	R215--	83919
TC	LL	10.0	PSF	DATE	01/19/17	
DRW	LL	10.0	PSF	DRW	HOURS215	170719145
HC-ENG	LL	0.0	PSF	HC-ENG	KD/DF	
SEQN-	LL			SEQN-	455498	
TOT. LD.		40.0	PSF	FROM	CDM	
DUR. FAC.		1.25				
SPACING		24.0"		JREF-	1VXM215_Z04	

Top chord 2x6 SP M-31 : T1 2x4 SP M-31 :
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31
Lt Wedge 2x6 SP M-31:

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $G\phi_i (+/-)=0.18$

Wind loads and reactions based on MNFRS.

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.

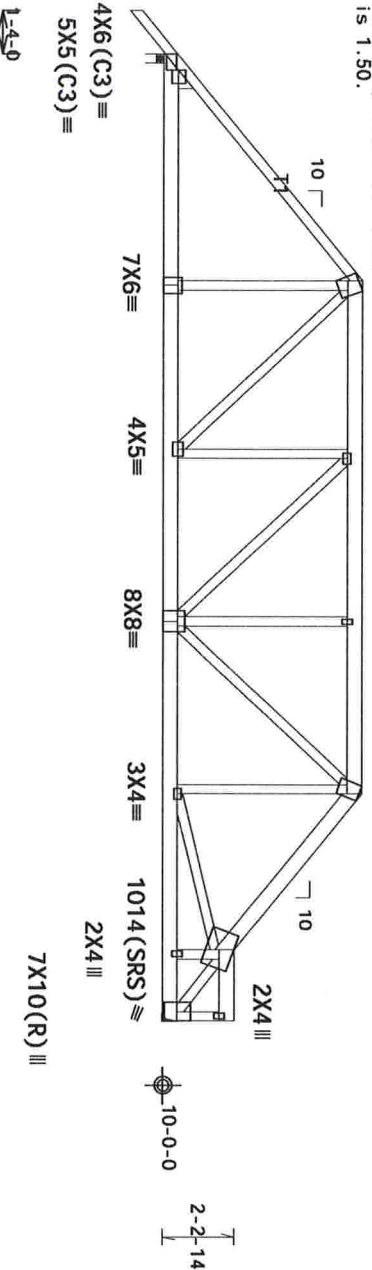
These support conditions used at bearings indicated
(H1) = HUS28 w/ (1)2x8 SP M-31 supporting member,
(22) 0.162"x3.5" nails into supporting member,
(8) 0.162"x3.5" nails into supported member.

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

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

6X8(R) //

Right end vertical not exposed to wind pressure.
Bottom chord checked for 10.00 psf non-concurrent live load.



PLT TYP. Wave

Design Crit: FBC2014Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

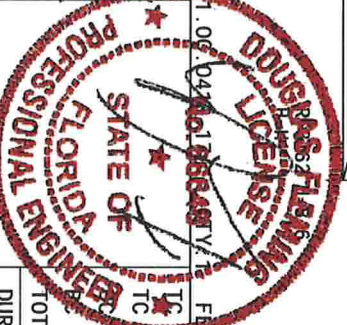
16.1.06.04.06.166646 V.T. FL-/-1/-/-R/-

Scale = .1875"/Ft.



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Orlando, FL 32837
FL COA #0278

Trusses require erection care in rafter, siding, sheathing, installing and bracing. Refer to and follow the manufacturer's instructions for proper installation and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ALPINE: www.alpineinc.com; TPI: www.tpi-inc.org; ITCA: www.itcaindustry.com; ICS: www.icsinc.org



TC	LL	REF	R215--	83920
TC	20.0 PSF	DATE	01/19/17	
LL	10.0 PSF	DRW	HOURS215	17019142
LL	0.0 PSF	HC-ENG	KD/DF	
TOT. LD.	40.0 PSF	SEON-	455451	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	- 1VXM215_Z04	

01/20/2017

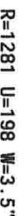
THIS WAS OBTAINED FROM COMPILED LIST OF NAMES OF PERSONS WHO WERE CONSIDERED FOR GRANTING OF CITIZENSHIP

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GC=1.4, Z=10, 18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

factor for dead load is 1.50.



Scale = .25"/Ft.

20.0 F

Traffic reduction: Minimum care in fabricating, handling, shipping, installing and bracing. Refer to and follow latest edition of BSCS Building Component Safety Information, by TPI and WCA for safety practices pertaining to performing these functions. Installers shall provide temporary bracing per BSCS. Unless noted otherwise, all locations shown for permanent lateral restraint of webs shall have been previously indicated on drawings sections BS, BT or BU, as applicable. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

Alpine, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from this installation procedure if it results in failure of the truss in accordance with AISI/TPI I, or for handling, shipping, transportation or storage of the truss.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per *ANSI/ISO 11 Sec.2.*

ALPINE: www.alpine.tv.com; TP: www.tpinst.org; WTCA: www.sbcindustry.com; CC: www.ccsafe.org

For more information see this job's general notes page and these web sites:
 www.alpine.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; ICC: www.ccsafe.org

SPACING 24.0"

JREF- 1VXM215_Z04

THIS FIG. PREPARED FROM COMPUTER INPUT (1 PARAM. & DIMENSIONS) SUBMITTED BY TOLSON WEB.

130 mph wind, 15.26 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf GC(1.4)=0.18

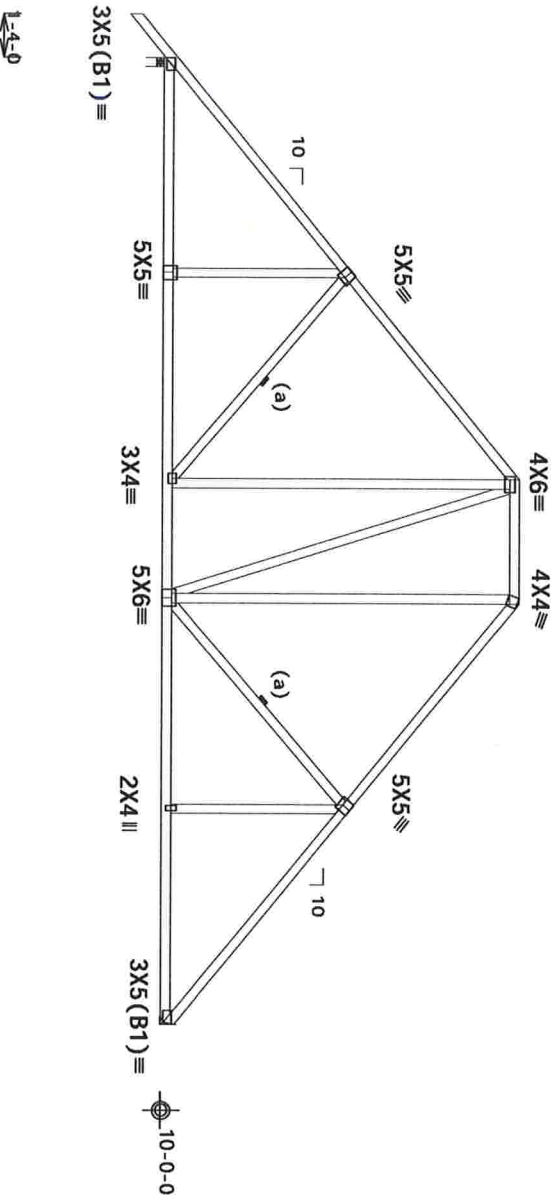
Wind loads and reactions based on MMFRS with additional C&C member design.

These support conditions used at bearings indicated (H1) = HUS26 w/ (1)2x6 SP M-31 supporting member.

(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Bottom chord checked for 10.00 psf non-concurrent live load

MMFRS loads based on trusses located at least 7.63 ft. from roof edge.



13-0-0

3-10-0

29'-10" Over 2 Supports

R=1382 U=210 W=3.5"

RL=347/-367

11/11/18

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

106/0438-17
EIV--/1/-/-/R/-

Scale = 1875"/E+

*****WARNING!***** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
*****IMPORTANT***** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

Trusses, rafters, joists and other members used in fabricating, handling, shipping, installing and bracing. The latest edition of BSCS (Building Component Safety Information, by TPI and WCA) for safety practices and code compliance information for wood trusses, rafters, joists and other members, including noted observations, field studies and laboratory tests, is available for purchase. The BSCS is available in hard copy or on a CD-ROM. Locations shown for permanent lateral restraint of bracing shall have bracing installed per BSCS sections 80, 87 or 810, as applicable. Apply plates to each face of truss and stud at points above and on the same side of the truss or stud as the bracing. Refer to drawings 100A-2 for standard plate positions.

Aluminum division of TPI Building Products, Inc. has developed a new design for aluminum trusses, allowing any failure to build the truss in conformance with AISI/TPI 1, 1.1, or for handling, shipping, installation, a bracing of trusses.

A user on the drawing or power plant (listing this drawing) indicates acceptance of professional engineering responsibility of the Building Designer per AISI/TPI 1.1 Section 1.1 and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1.1 Section 1.1.

For more information visit this job's general notes page and these web sites:
ALPINE: www.alpine123.com TPI: www.tpiinst.org WICA: www.abcrindustry.com ICC: www.iccraffa.org

REF	R215--	83923
DATE	01/19/17	
DRW	HCS8215	17019121
HC-ENG	KD/DF	
SEQN-	455415	
FROM	CDM	
DUR. FAC.	1.25	
SPACING	24.0"	

01/20/2017

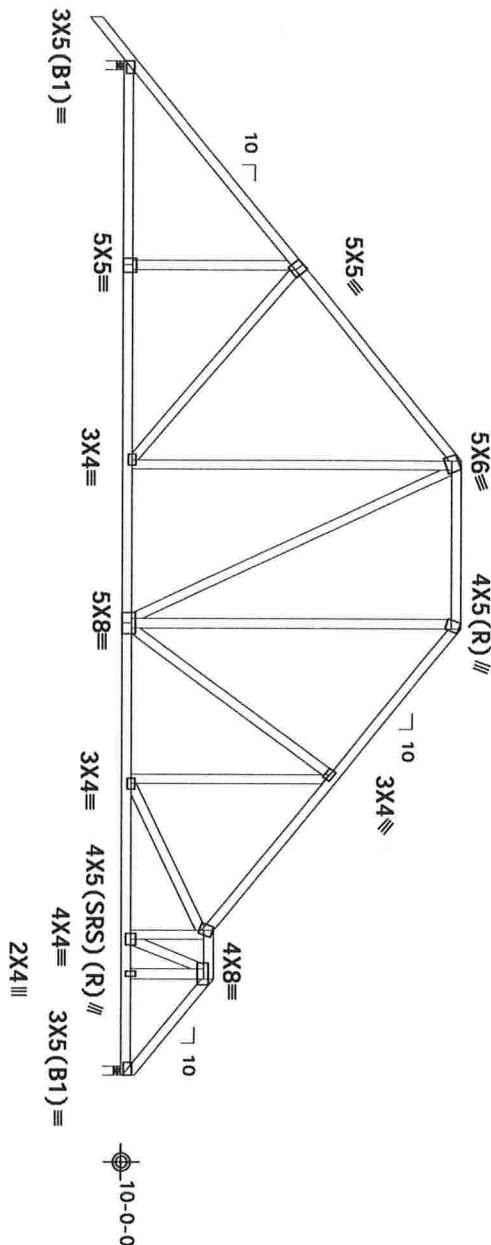
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

factor for dead load is 1.50.



R=1445 U=5 W=3.5"
RL=330/-350

12-3-13 5-2-5 9-3-13 1'-0"-0 3-0-0"

31-4-0 Over 2 Supports

DUGLAS FIELD
INCORPORATED
SINCE 1876
P.O. BOX 100
MILWAUKEE, WI 53201
TEL: 414-224-1100
FAX: 414-224-1101
WWW.DUGLASFIELDS.COM

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

~~P:/-/-/1/-/-/-/R/-~~

Scale = .1875"/Ft.



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FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS INCLUDING THE INSTALLERS.

Truscon requires more care in fabrication and erection of this latest edition of BCS (Building Component Society) Information, by TPI and IBCA, for safety and reliability in performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise, coped or notched shall have properly determined structural sheathing and bottom chord shall have a properly determined coped or notched section. All coped or notched sections shall be in accordance with the following table:

Section	Notch Depth	Notch Width	Notch Location
88, 87 or 810, as applicable	As applicable	As applicable	As applicable

Refer to drawings 1804-2 for standard plate positions.

The Joint Details, unless noted otherwise.

Alpine, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from this manual. This manual is the property of TPI Building Components Group Inc. and shall be used in accordance with the terms of the license agreement.

ALPINE: For more information, see this job's general notes page and these web sites:
www.alpineinc.com; TPI: www.tpi-inc.com; IBCA: www.ibcaindustry.com; ICC: www.iccsafe.org

P. /- /1- /- /R- /-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R215-- 83925
TC DL	10.0 PSF	DATE 01/19/17
SG DL	10.0 PSF	DRW HCSUR215 17019123
BC LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEQN- 455409
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

01/20/2017

THIS FILE DERIVED FROM COMPUTER INPUT (GRADE & DISPOSITIONS) SUBMITTED BY TEKS AND

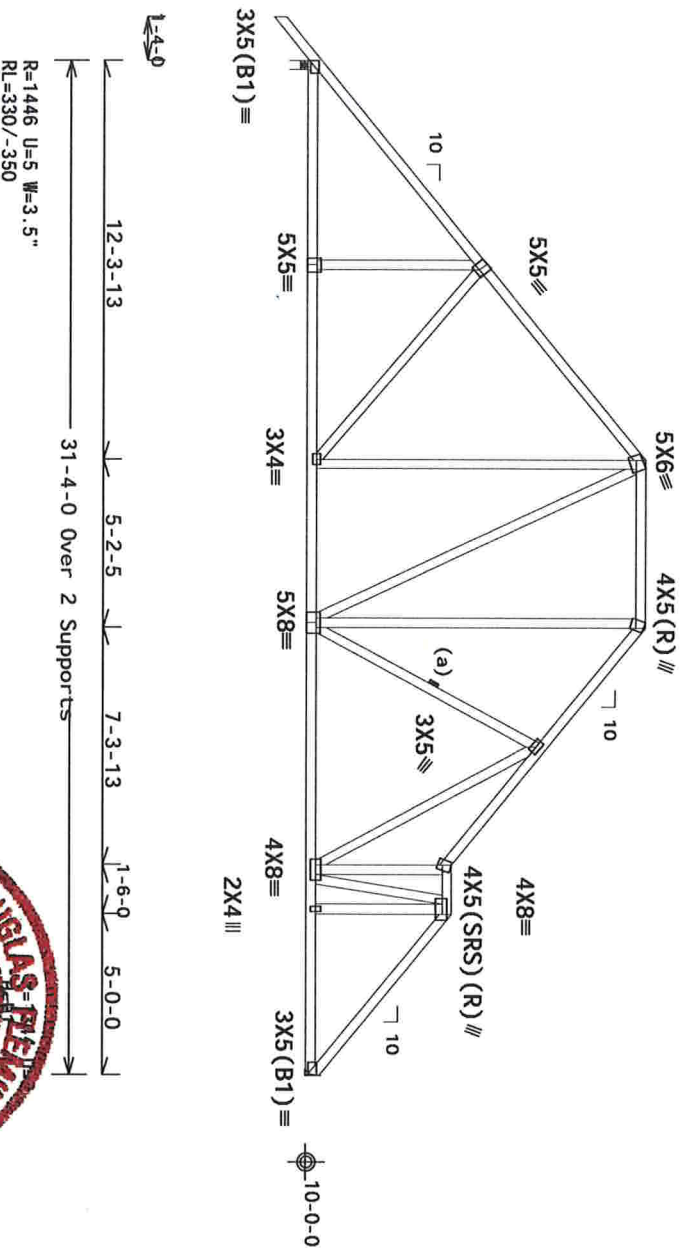
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Co=1.4, G=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

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

OC-

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

16-01-06-0423-17-OTV-1

Scale = 1875"/E+

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

[illegible]

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Orlando, FL 32837
FL COA #0278

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetm.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICD: www.icdninfo.org

A. /- /1/- /- /R/-		Scale = .1875"/Ft.
TC. LL	20.0 PSF	REF R215-- 83926
TC. DL	10.0 PSF	DATE 01/19/17
BC. DL	10.0 PSF	DRW HCHSR215 17019124
CC. LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SEON- 455410
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VYM215_Z04

THIS FILE PREPARED FROM COMPILED INPUT (1 CARD & DIMENSIONS) SUBMITTED BY TOLICS WED

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf $G C F(4/7)=0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



Scale = .1875"/Ft

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Orlando, FL 32837
FL COA #0278

The seal is circular with a red border. Inside the border, the text "DOUGLAS FLEMING" is written in red at the top, "STATE OF FLORIDA" in red in the middle, and "PROFESSIONAL ENGINEER" in red at the bottom. A large "X" is drawn across the seal. In the center, the license number "No. 26848" is written in black. To the right of the license number, the text "City of Jacksonville" is written in black. The seal is stamped over a document with a grid of letters and numbers.

TOT. LL	20.0 PSF	REF R215-- 83927
HC-DL	10.0 PSF	DATE 01/19/17
BS-DL	10.0 PSF	DRW HCUS215 17019667
HC-LL	0.0 PSF	HC-ENG KD/DF
TOT. LD.	40.0 PSF	SECON- 455411
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VXM215_Z04

01/20/2017

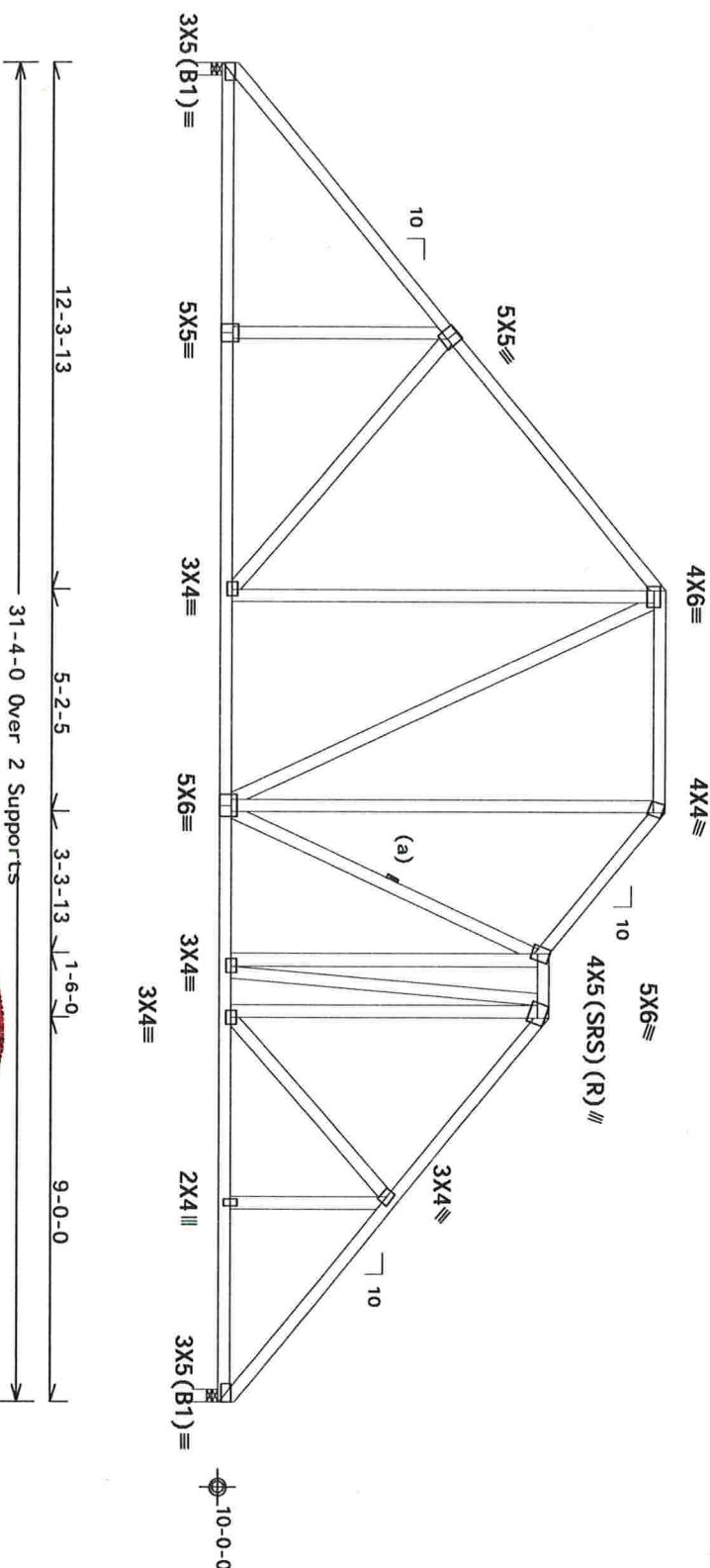
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

130 mph wind, 15.53 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.53 ft. from roof edge.



R=1348 U=5 W=3.5"

Design Crit: FBC2014Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

	QTY	U-/-/1/-/-/R/-
6.01.01.0413.17	1	-

Scale = .25"/Ft.

WARNING!! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
!! IMPORTANT !! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Orlando, FL 32837
FL COA #0278

[illegible]

For more information, see this job's general notes page and these web sites:
ALPINE: www.alpinetw.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC:

NO. DL	10.0 PSF	DATE	01/19/17
DRW DL	10.0 PSF	DRW	HCSUR215 17019066
HC LL	0.0 PSF	HC-ENG	KD/DF
TOT. LD.	40.0 PSF	SEQN-	455412
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1YXM215_Z04

01/20/2017

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

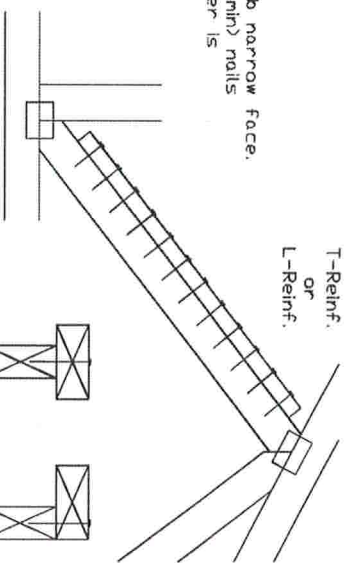
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.
2x3 or 2x4	1 row	2x4 1-2x4
2x3 or 2x4	2 rows	2x6 2-2x4
2x6	1 row	2x4 1-2x6
2x6	2 rows	2x6 2-2x4(*)
2x8	1 row	2x6 1-2x8
2x8	2 rows	2x6 2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement 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-Reinforcement or L-Reinforcement:

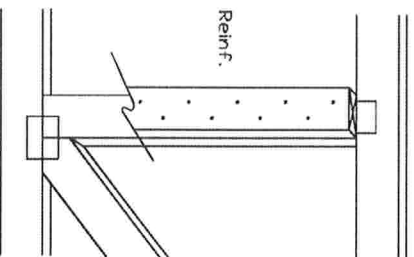
Apply to either side of web narrow face. Attach with 10d (0.128"x3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

Apply (scabs) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.

Scab Reinf.



WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. SUBMITTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and SBCD for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be properly braced and bracing shall be attached to the truss structure. Trusses shall have bracing installed per BCSI sections 33, 37 or 310, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10d-12 for standard plate position. Where a division of TPA Building Components Group Inc. shall not be responsible for any deviation from the design shown on this drawing. The truss is to be installed in accordance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. A seal on this drawing or cover page listing the design, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of the design for any structure is the responsibility of the building designer per ANSI/TPI 1, Section 1.1. For more information, contact TPI at (800) 368-7263 or (314) 991-1000. ALPINE: www.alpine.com TPI: www.tpi.com SBCD: www.sbcd.com ID: www.idc.com



TC	LL	PSF	REF	CLR Subst.
BC	DL	PSF	DATE	10/01/14
LL	PSF	DRWG	BRCLBSUB1014	
DT. LD.	PSF			
DUR. FAC.				
SPACING				

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/APPI the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)
Truss Type		Recommended Camber	
Pitched Trusses		1/100 x Deflection from Actual Dead Load	
Sloping Parallel Chord Trusses		1/5 x Vertical Deflection from Actual Dead Load	
Floor Trusses		(0.25 x Deflection from Live Load) + Actual Dead Load	
Flat Roof Trusses		(0.25 x Deflection from Live Load) +	

Note: The actual method may be considerably less than the desired effect.

ALPINE
AN ITW COMPANY

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WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING
AND/OR THE MATERIALS FURNISHING THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCIS Building Components Safety Information, by IP1 and SB04 for safety instructions proper to performing these functions. Installers shall provide temporary bracing per BCIS Building Components Safety Information, by IP1 and SB04 for safety instructions proper to performing these functions. A properly attached rigid ceiling, Locations room for permanent lateral restraint of which shall have bracing installed per BCIS sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise.

Refer to drawings 1604-2 for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the drawings, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or any failure to follow the instructions on the drawings.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of the drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sect.2.

For more information see the job's general notes page and web site:
 ALPINE: www.alpinecorp.com TPI: www.tpi.org SB04: www.bcsafety.org ITD: www.itdcorp.org



REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCAMB1014

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Brooding Group Species and Grades:

Group A:	
<i>Spruce-Pine-Fir</i>	<i>Hem-Fir</i>
#1 / #2 Standard	#2 Stud
#3 Stud	#3 Standard

Group B:	
<i>Douglas Fir-Larch</i>	<i>Southern Pine</i>
#3 Stud	#3 Stud
Standard	Standard

Group C:	
<i>Hem-Fir</i>	<i>Western Pine</i>
#1 & Btr	#1 & Btr

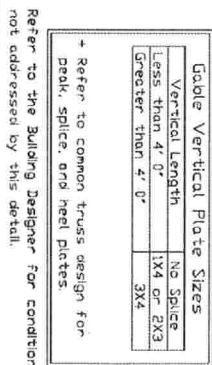
1x4 Brocks shall be SDB (Stress-Rated Boards).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Provide uplift connections for 55 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

* For (1) "L" braces 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.
1" bracing must be a minimum of 80% of web
member length.



Refer to the Building Designer for conditions not addressed by this detail.

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[illegible]

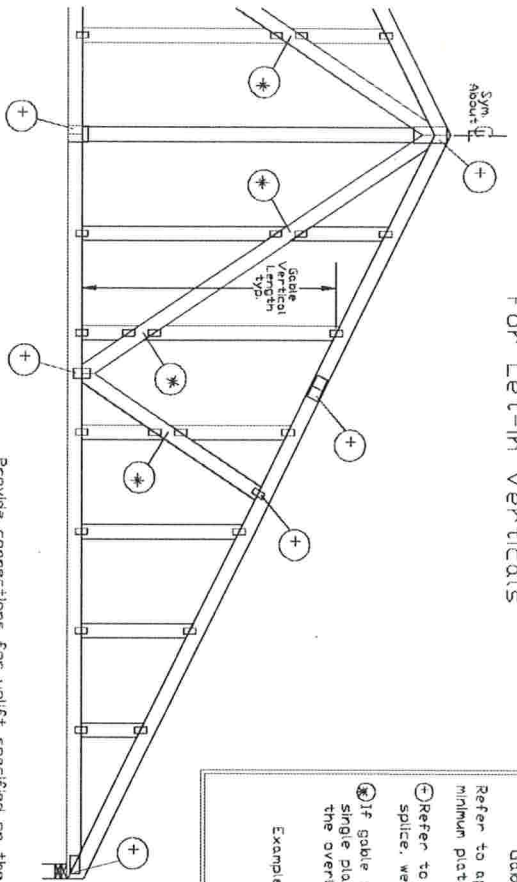
A circular professional engineer seal for Douglas Fleming, State of Florida, License No. 068648. The seal features the text "DOUGLAS FLEMING" at the top, "STATE OF FLORIDA" in the center, and "PROFESSIONAL ENGINEER" at the bottom. The license number "No. 068648" is prominently displayed in the middle. The seal is stamped over a background of architectural drawings.

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0'

REF	ASCE/10-GABI4013
DATE	8/3/15
DRWG	S14015ENC10081

DRWG S14015ENC10081

Gable Detail For Let-In Verticals



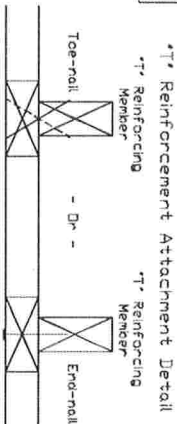
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example



To convert from 'L' to '1' reinforcing members, multiply '1' increase by length (based on appropriate Alpine gable detail).

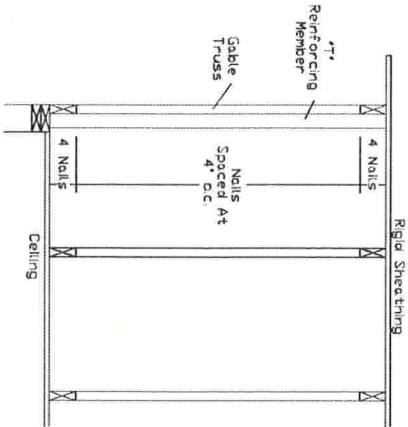
Maximum allowable '1' reinforced gable vertical length is 14' from top to bottom chord.

'1' reinforcing member material must match size, species, and grade of the 'L' reinforcing member.

Web Length Increase w/ '1' Brace

'1' Reinf. Min. Size	'1' Reinf. Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24' O.C. Sp #3
'1' Reinforcing Member Size = 2x4
'1' Brace Increase (from Above) = 30% = 1.30
Maximum '1' Reinforced Gable Vertical Length
130 x 8' 7" = 11' 2"



See appropriate Alpine gable detail for maximum unreinforced length.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

ASCE 7-05 Gable Detail Drawings
A1301S051014, A1201S051014, A1101S051014, A1001S051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 Gable Detail Drawings

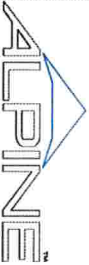
ASCE 7-10 Gable Detail Drawings
A1151SENC101014, A1201SENC101014, A1401SENC101014, A1601SENC101014, A1801SENC101014, A2001SENC101014, A2201SENC101014, A2401SENC101014, A11530ENC101014, A12030ENC101014, A14030ENC101014, A16030ENC101014, A18030ENC101014, A20030ENC101014, A22030ENC101014, A11530ENC100815, S12030ENC100815, S14030ENC100815, S16030ENC100815, S18030ENC100815, S20030ENC100815, S22030ENC100815, S24030ENC100815, S26030ENC100815, S28030ENC100815, S30030ENC100815, S32030ENC100815, S34030ENC100815, S36030ENC100815, S38030ENC100815, S40030ENC100815, S42030ENC100815, S44030ENC100815, S46030ENC100815, S48030ENC100815, S50030ENC100815, S52030ENC100815, S54030ENC100815, S56030ENC100815, S58030ENC100815, S60030ENC100815, S62030ENC100815, S64030ENC100815, S66030ENC100815, S68030ENC100815, S70030ENC100815, S72030ENC100815, S74030ENC100815, S76030ENC100815, S78030ENC100815, S80030ENC100815, S82030ENC100815, S84030ENC100815, S86030ENC100815, S88030ENC100815, S90030ENC100815, S92030ENC100815, S94030ENC100815, S96030ENC100815, S98030ENC100815, S100030ENC100815

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

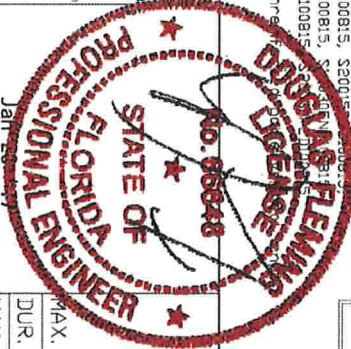
Trusses require extreme care in fabrication, handling, storage, installation and erection. Refer to and follow the latest edition of BCST (Building Component Safety) Information, by TPI and SBCA for safety practices prior to performing these functions. Inspectors shall provide temporary bracing per BCST. Trusses shall have a properly attached rigid ceiling. The location shown for permanent lateral restraint of webs of truss and position of shown above and on the joint details. Apply plates to each face of truss and position of shown above and on the joint details, unless noted otherwise. Refer to drawings 10012 for standard plate positions.

Alpine Building Components, Inc. shall not be responsible for any deviation from this drawing, any failure to hold the truss in conformance with AIAA/TPI, or for handling, shipping, installation, bracing of trusses.

A seal on this drawing or cover page listing the drawing, webcode acceptance of professional engineering responsibility, shall be provided. The seal shall be placed on the drawing. For any deviation from this drawing, see the job's general notes page and trade web page. For more information see the job's general notes page and trade web page. ALPINE: www.alpine.com TPI: www.tpi.com SBCA: www.sbcaindustry.org ICC: www.iccsafe.org



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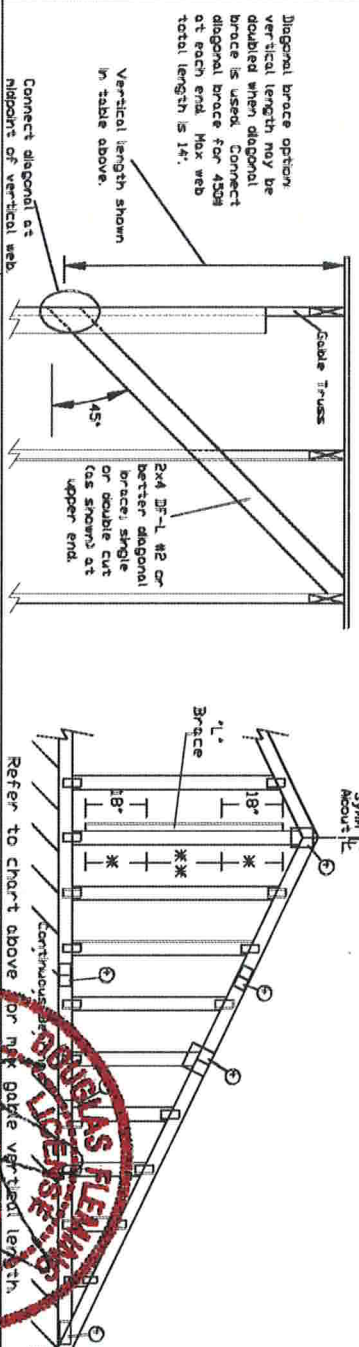


MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

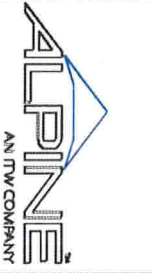
REF LET-IN VERT
DATE 10/01/14
DRWG GBLT11014

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Max Gable Vertical Length		Gable Stud Reinforcement Detail											
Spacing	2x4 Vertical Species	Brace	No Braces	(1) 1x4 1" Brace			(1) 2x4 1" Brace			(1) 2x6 1" Brace			Group B
				Group A	Group B	Group C	Group A	Group B	Group C	Group A	Group B	Group C	
12" o.c.	SPF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	Group A
				4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	Group B
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group C
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group B
16" o.c.	SPF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	Group A
				4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	Group B
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group C
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group B
24" o.c.	SPF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	Group A
				4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	Group B
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group C
				4' 1"	5' 8"	6' 0"	6' 5"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	Group B



Bracing Group Species and Grades:		Group A:		Group B:	
Species	Grade	Species	Grade	Species	Grade
SPF	#1 / #2	SPF	#1 / #2	SPF	#1 / #2
Standard	Standard	Standard	Standard	Standard	Standard



Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of ASCE 7-10 (Building Component Safety Information) by TPI and S&P for safety practices prior to performing these functions. Installers shall provide temporary bracing per ASCE 7-10. Trusses shall have a properly attached roof ceiling. Location of bracing shall be as shown in the drawings. Trusses shall have bracing installed per ASCE 7-10, sections 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 30.10, 30.11, 30.12, 30.13, 30.14, 30.15, 30.16, 30.17, 30.18, 30.19, 30.20, 30.21, 30.22, 30.23, 30.24, 30.25, 30.26, 30.27, 30.28, 30.29, 30.30, 30.31, 30.32, 30.33, 30.34, 30.35, 30.36, 30.37, 30.38, 30.39, 30.40, 30.41, 30.42, 30.43, 30.44, 30.45, 30.46, 30.47, 30.48, 30.49, 30.50, 30.51, 30.52, 30.53, 30.54, 30.55, 30.56, 30.57, 30.58, 30.59, 30.60, 30.61, 30.62, 30.63, 30.64, 30.65, 30.66, 30.67, 30.68, 30.69, 30.70, 30.71, 30.72, 30.73, 30.74, 30.75, 30.76, 30.77, 30.78, 30.79, 30.80, 30.81, 30.82, 30.83, 30.84, 30.85, 30.86, 30.87, 30.88, 30.89, 30.90, 30.91, 30.92, 30.93, 30.94, 30.95, 30.96, 30.97, 30.98, 30.99, 30.100.



MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0'

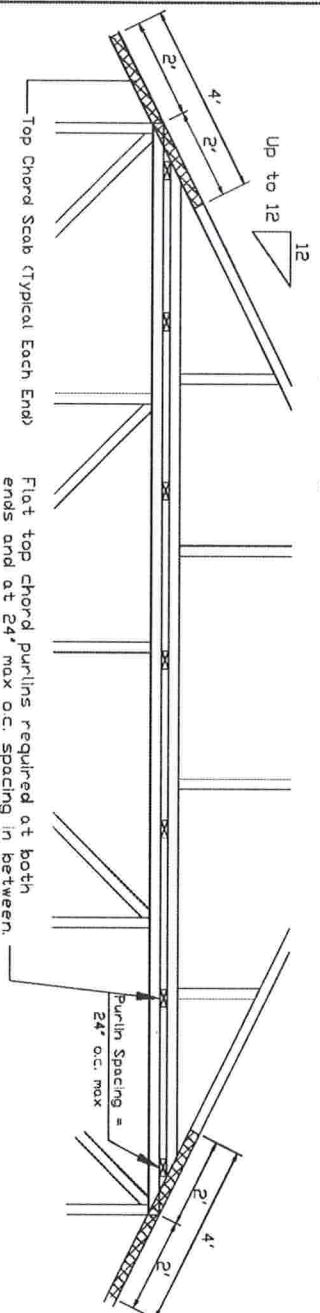
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 3000 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp. C, Wind D_l = 50 psf (min), Kzt=1.0, Dr 140 mph wind, 3000 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp. D, Wind D_l = 50 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

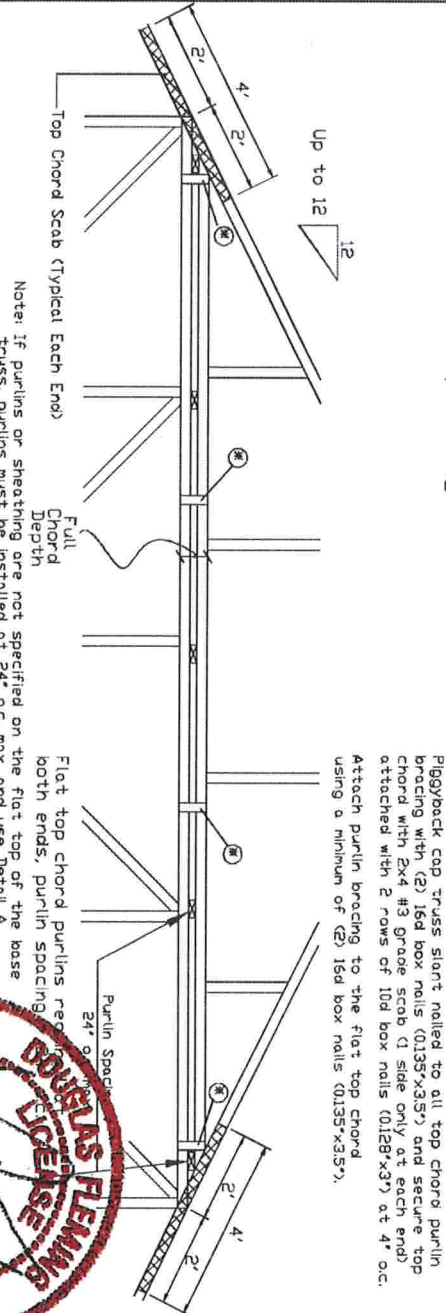
Detail A : Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 2x8PB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").

* In addition, provide connection with one of the following methods:

Trulox
Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 chord member. Attach to each face of 8" o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gussset
8"x8"x7/16" (min) APA rated sheathing gusssets (each face). Attach @ 8' o.c. with (8) 5d common (0.113"x2") nails per gussset, (4) in cap bottom chord and (4) in base truss top chord. Gusssets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs
2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

2x8PB Wave Piggyback Plate
Dne 2x8PB wave piggyback plate to each face @ 8' o.c. Attach each to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.



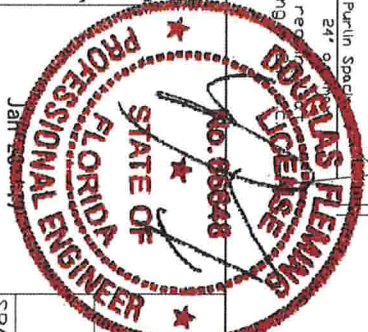
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Maryland Heights, MO 63043

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCST Building Component Safety Information by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCST. Trusses shall have a properly attached rigid ceiling. Location of ceiling shall be determined by the building Engineer of Record. Trusses shall have bracing installed per BCST sections 33, 37 or B10, as applicable. Apply plates to each face of truss and bottom as shown above and on the detail. Details, unless noted otherwise, shall refer to drawings 1601-2 for standard plate positions.

Alpine Truss Company, Inc. shall not be responsible for any deviation from the drawings or any failure resulting from the trusses in conjunction with ASCE 7-10, or for handling, shipping, installation, bracing of trusses.

A seal on this drawing or cover page listing the drawing, indicates acceptance of professional responsibility by the building Engineer of Record. The building Engineer of Record shall be responsible for any deviation from the drawings or any failure resulting from the trusses in conjunction with ASCE 7-10, or for handling, shipping, installation, bracing of trusses.

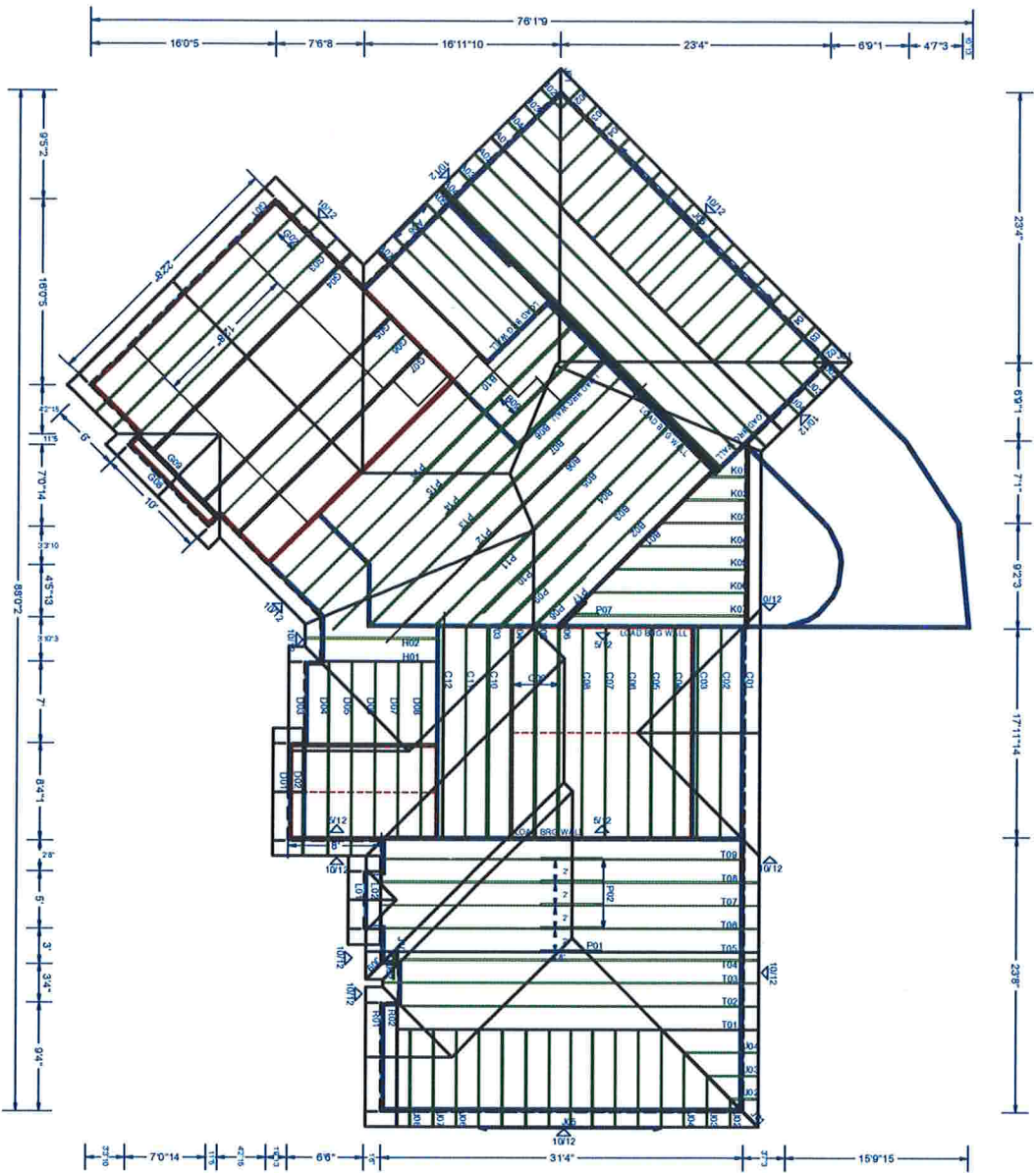
For more information see the Alpine website: www.alpineitw.com TPI: www.tpiinc.org SBCA: www.sbcainc.org IBC: www.internationalibc.org



REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014
SPACING	24.0"

01/20/2017

PRELIMINARY LAYOUT



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386)362-1235
(386)362-7124 (fax)

ROOF PITCH: 12/12
CLG PITCH: 5/12
OVERHANG: 1'4"
LOADING: 20
WIND: 150
EXPOSURE: C
FSC 2010 RESIDENTIAL
EXT WALLS: 2x6 FRAMING
DATE: 10/14/10

- PLEASE CONFIRM ALL CEILING HEIGHTS PRIOR TO BUILD.
- LOFT/BATH FLOOR TO BE DESIGNED AND FRAMED BY OTHERS. PLEASE ADVISE IF FLOOR TRUSSES ARE DESIRED.
- OPEN AREAS TO BE CONVENTIONALLY FRAMED BY OTHERS.
- FINAL TRUSS DESIGN TO BE REVIEWED AND CONFIRMED BY CONTRACTOR. THIS DESIGN FOR PRICING PURPOSES ONLY.



JOB #: 16-0982

Job Name: HUBBART RESIDENCE
Customer: SPARKS CONST.
Designer: Chris McCall
ADDRESS:
SALESMAN: DB
: <Not Found>

JOB NO:
16-0982

PAGE NO:
1 OF 1

#34931



Alpine, an ITW Company
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
Phone: (800)755-6001
alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	Job Number: 16-0982F
JobDescription: HUBBART RESIDENCE	
Address:	City, State, Zip:

Name, Address and License # of Structural EOR if one exists for the building:

Name:	License #:	State:
Address:	City, State, Zip:	

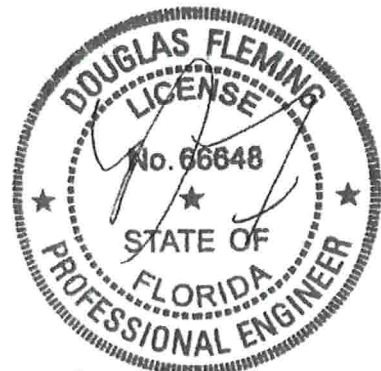
Job Engineering Criteria:

Design Code: FBC 2014 RES	View Version: 16.02.01.0131.17	JRef #: 1VZZ2150002
Wind Standard: NA	Wind Speed (mph): N/A	Roof Load (psf): None
		Floor Load (psf): 40.00-10.00- 0.00-5.00

This package contains a job notes page, 3 truss drawings and 2 details.

Item	Seal #	Truss
1	104.17.1317.40283	F01
3	104.17.1317.44093	F03

Item	Seal #	Truss
2	104.17.1317.41433	F02



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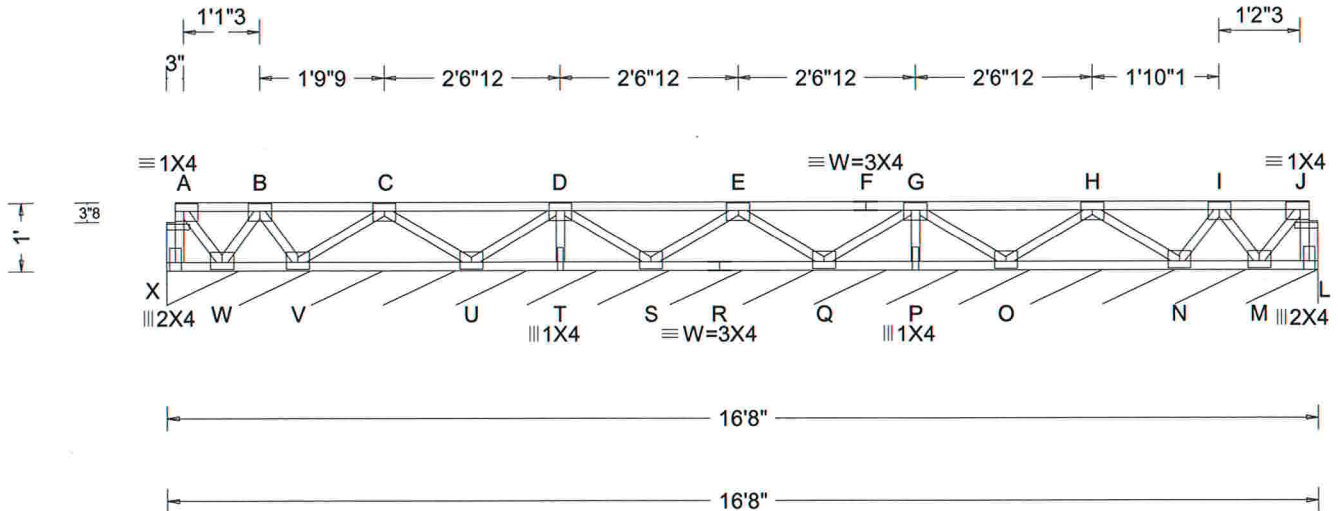
04/14/2017

Job Number: 16-0982F
HUBBART RESIDENCE
Truss Label: F01

Ply: 1
Qty: 1

SEQN: 467848 / T1 SY42
FROM: CDM

Cust: R215 JRef: 1VZZ2150002
DrwNo: 104.17.1317.40283
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.002 E 999 480
VERT(TL): 0.003 E 999 360
HORZ(LL): 0.000 M - -
HORZ(TL): 0.001 M - -
Creep Factor: 1.5
Max TC CSI: 0.157
Max BC CSI: 0.029
Max Web CSI: 0.021
VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs), or *=PLF
Loc R /U /Rw /Rh /RL /W
X* 109 /- /- /- /- /200
X Min Brg Width Req = -
Bearing X is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 4x2 SP M-31
Bot chord 4x2 SP M-31
Webs 4x2 SP M-31

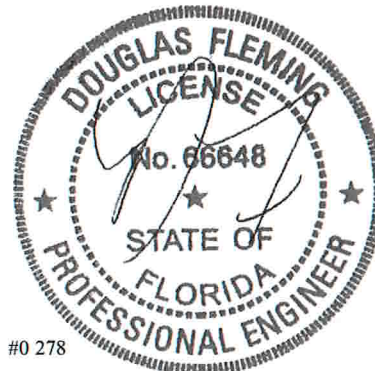
Plating Notes

All plates are 3X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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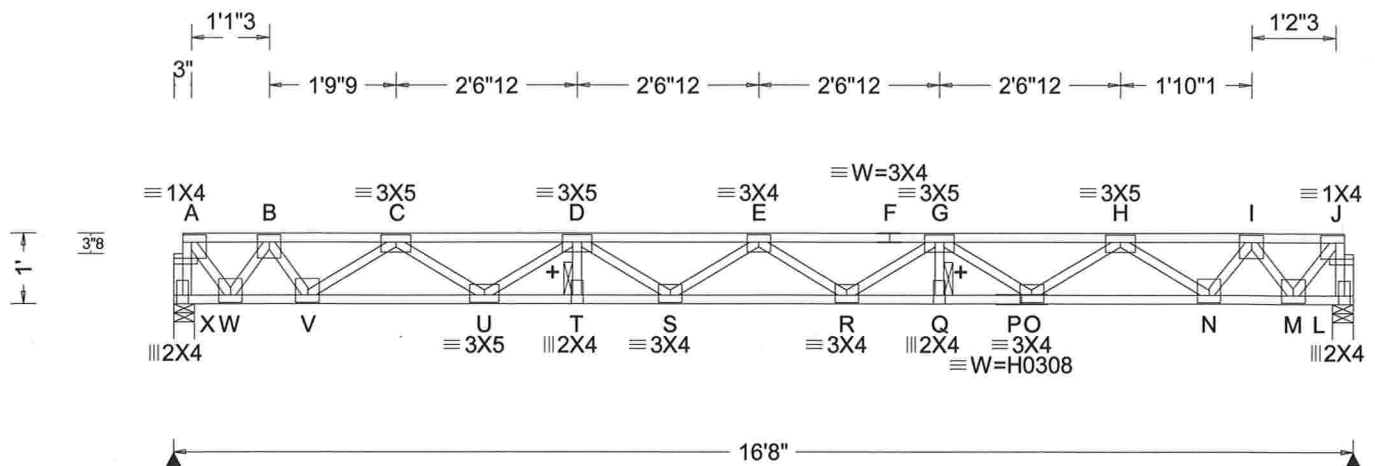
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982F
HUBBART RESIDENCE
Truss Label: F02

Ply: 1
Qty: 3

SEQN: 467845 / T2 SY42
FROM: CDM

Cust: R215 JRef: 1VZZ2150002
DrwNo: 104.17.1317.41433
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.268 E 724 480 VERT(TL): 0.419 E 462 360 HORZ(LL): 0.039 M - - HORZ(TL): 0.061 M - - Creep Factor: 1.5 Max TC CSI: 0.259 Max BC CSI: 0.491 Max Web CSI: 0.118 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W X 904 / - / - / - / - / 3.5 L 904 / - / - / - / - / 3.5 X Min Brg Width Req = 1.5 L Min Brg Width Req = 1.5 Bearings X & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -512 F - G 0 -3961 B - C 0 -1489 G - H 0 -3136 C - D 0 -3075 H - I 0 -1587 D - E 0 -3941 I - J 0 -551 E - F 0 -3961

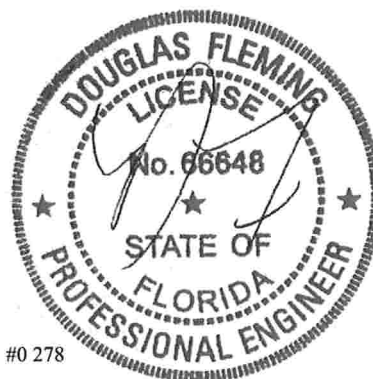
Lumber
Top chord 4x2 SP M-31
Bot chord 4x2 SP M-31
Webs 4x2 SP M-31

Plating Notes
All plates are 4X4 except as noted.

Additional Notes
+ 2x6 continuous strongback. See detail STRBIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
W - V	1047 0	R - Q	3744 0	
V - U	2443 0	Q - P	3744 0	
U - T	3705 0	P - O	3744 0	
T - S	3705 0	O - N	2523 0	
S - R	4131 0	N - M	1121 0	

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - X	0 -831	G - O	0 -732
A - W	967 0	O - H	747 0
W - B	0 -1006	H - N	0 -1143
B - V	832 0	N - I	833 0
V - C	0 -1165	I - M	0 -1020
C - U	771 0	M - J	988 0
U - D	0 -757	J - L	0 -835



#0 278
04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

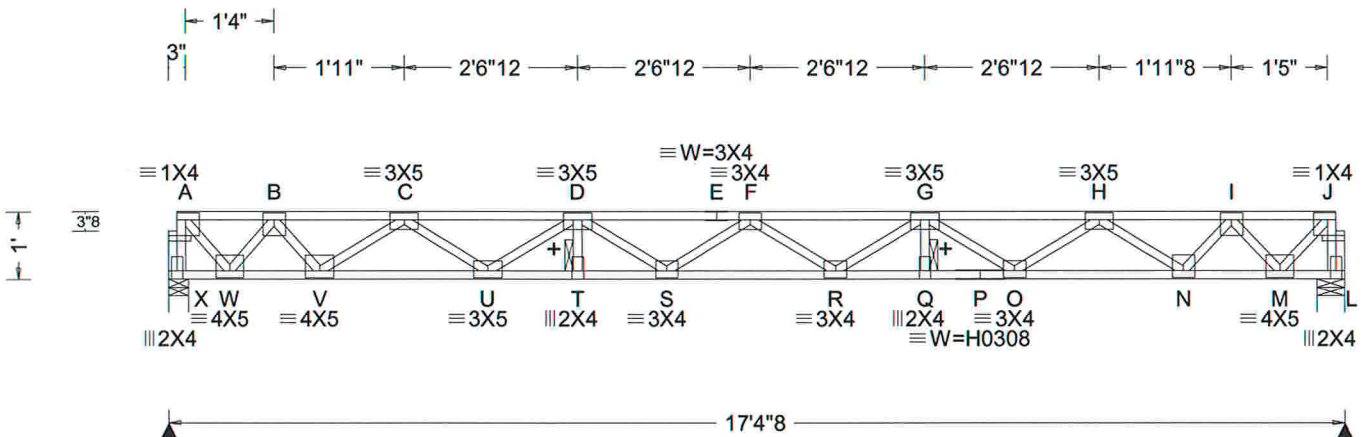
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982F
HUBBART RESIDENCE
Truss Label: F03

Ply: 1
Qty: 1

SEQN: 467843 / T3 SY42
FROM: CDM

Cust: R215 JRef: 1VZZ2150002
DrwNo: 104.17.1317.44093
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	X	943	/-	/-	/-	/-	/3.5
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.313 F 647 480	L	943	/-	/-	/-	/-	/4.9
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.489 F 413 360	X	Min Brg Width Req = 1.5					
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.044 M - -	L	Min Brg Width Req = 1.5					
Des Ld: 55.00	EXP: NA	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	HORZ(TL): 0.069 M - -	Bearings X & L are a rigid surface.						
NCBCLL: 10.00	Mean Height: NA ft		Creep Factor: 1.5	Members not listed have forces less than 375#						
Soffit: 2.00	TCDL: NA psf		Max TC CSI: 0.300	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.00	BCDL: NA psf		Max BC CSI: 0.534	Chords	Tens.	Comp.	Chords	Tens.	Comp.	
Spacing: 24.0 "	MWFRS Parallel Dist: NA		Max Web CSI: 0.131							
	C&C Dist a: NA ft		VIEW Ver: 16.02.01B.0131.17	A - B	0	-650	F - G	0	-4326	
	Loc. from endwall: NA			B - C	0	-1852	G - H	0	-3502	
	I: NA GCpi: NA									
	Wind Duration: NA									

Lumber

Top chord 4x2 SP M-31
Bot chord 4x2 SP M-31
Webs 4x2 SP M-31

Plating Notes

All plates are 4X4 except as noted.

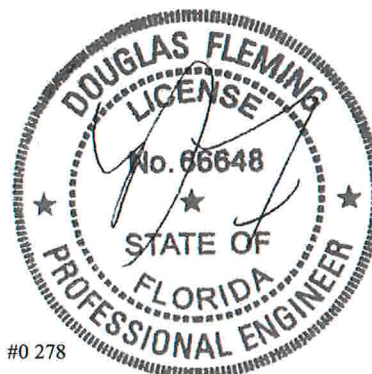
Deflection

Max JT VERT DEFL: LL: 0.30" DL: 0.17". See detail
DEFLCMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail
STRBRIBR1014 for bracing and bridging
recommendations.

Truss must be installed as shown with top chord up.



#0 278

04/14/2017

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	1315	0	R - Q	4110	0
V - U	2810	0	Q - P	4110	0
U - T	4070	0	P - O	4110	0
T - S	4070	0	O - N	2891	0
S - R	4497	0	N - M	1391	0

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - X	0	-876	G - O	0	-730
A - W	1075	0	O - H	747	0
W - B	0	-1097	H - N	0	-1149
B - V	885	0	N - I	887	0
V - C	0	-1170	I - M	0	-1115
C - U	771	0	M - J	1098	0
U - D	0	-755	J - L	0	-878

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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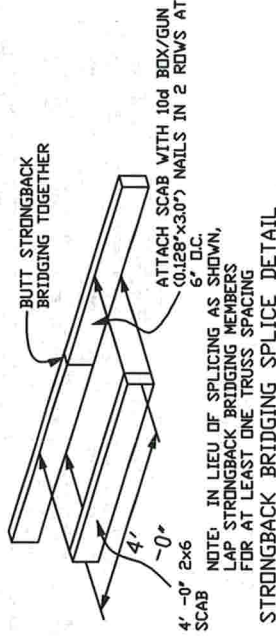
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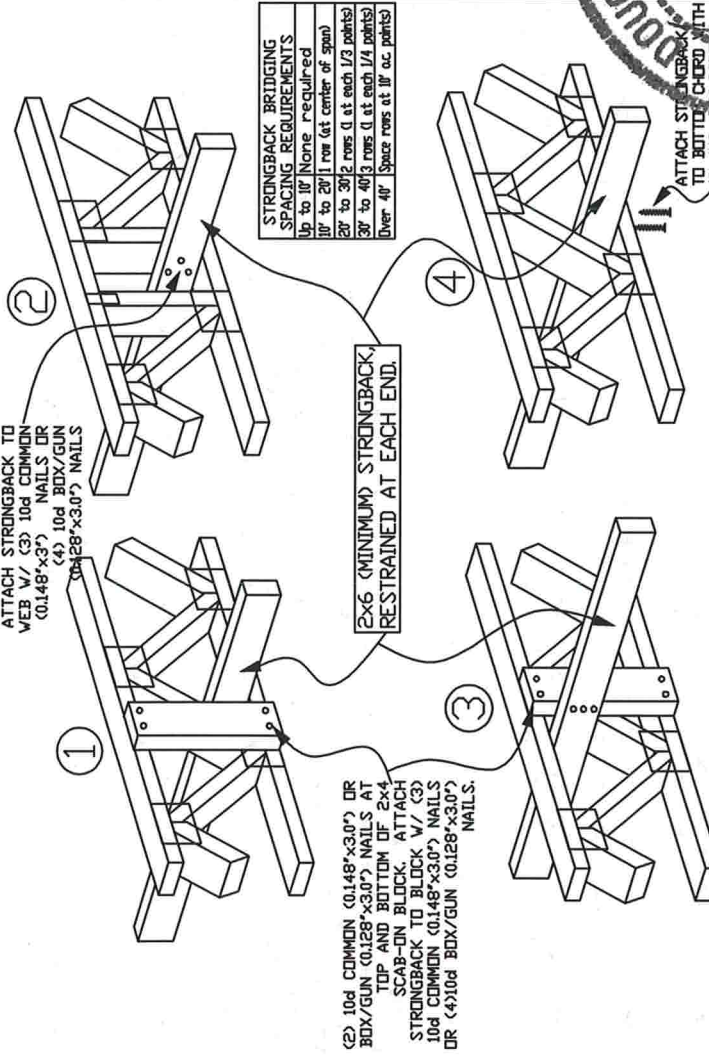
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

STRONGBACK BRIDGING RECOMMENDATIONS

- All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
 - All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
 - The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
 - The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.
- The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.
- For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).



NOTE: Details 1 and 2 are the preferred attachment methods



ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com ITW: www.itw.com BCSI: www.bcsi.org IBC: www.iccsafe.org

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the truss design or installation of trusses. The truss is in conformance with ANSI/TPI 1, or for handling, shipping, and installation of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The availability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

Refer to drawings 1604-Z for standard plate positions.

of truss and position as shown above and on the Joint Details, unless noted otherwise.

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of walls.

Trusses require extreme care in fabrication, handling, shipping, installing, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI requirements. Temporary bracing shall be installed in accordance with the locations shown for permanent lateral restraint of walls.

IMPORTANT! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabrication, handling, shipping, installing, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI requirements. Temporary bracing shall be installed in accordance with the locations shown for permanent lateral restraint of walls.

Refer to drawings 1604-Z for standard plate positions.

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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com ITW: www.itw.com BCSI: www.bcsi.org IBC: www.iccsafe.org

DOUGLAS FLEMING
LICENSE
No. 66648

STATE OF FLORIDA
PROFESSIONAL ENGINEER

10/01/14
DATE
STRBIBR1014
DRWG

PSF
PSF
PSF
PSF
PSF

1.00
DUR. FAC.

SPACING

04/14/2017
#0-278

Commentary: Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75' (horizontal)	1.25' (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load

Flat Roof Trusses (0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)

Note: The resulting camber is considerably less than the design deflection.



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Suite 200
Maryland Heights, MO 63043

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and SPCA for safety practices prior to performing these functions. Installers shall provide temporary bracing and blocking to support the trusses until permanent bracing is installed. Trusses shall be installed in accordance with the design and shall have a properly attached rafter ceiling. Locations shown for permanent lateral restraint of webs of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings for details of standard plate positions.

Trusses shall be installed in accordance with the design and shall not be responsible for any deviation from this drawing. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses.

A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The actuality and use of this drawing for any structure is the responsibility of the Building Designer. For more information, contact us at: ALPINE: www.alpine.com TPI: www.tpi.com SPCA: www.spcaindustrial.com ICD: www.icd.com

#0 278 04/14/2017

STATE OF FLORIDA

PROFESSIONAL ENGINEER

GLAS FLEMING

No. 66648

REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCMB1014



Alpine, an ITW Company
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
Phone: (800)755-6001
alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	Job Number: 16-0982
Job Description: HUBBART RESIDENCE	
Address:	City, State, Zip:

Name, Address and License # of Structural EOR if one exists for the building:

Name:	License #:	State:
Address:	City, State, Zip:	

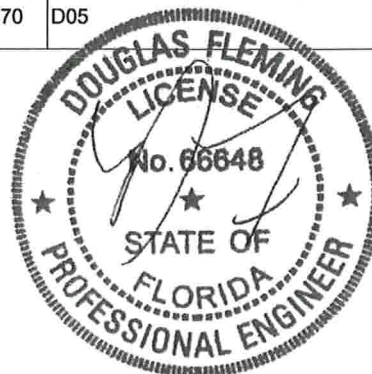
Job Engineering Criteria:

Design Code: FBC 2014 RES	View Version: 16.02.01.0131.17	JRef #: 1VZZ2150001
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00- 10.00 Floor Load (psf): None

This package contains a job notes page, 129 truss drawings and 6 details.

Item	Seal #	Truss
1	104.17.1303.03293	A01
3	104.17.1303.06213	A03
5	104.17.1303.11927	A05
7	104.17.1303.15690	A07
9	104.17.1303.18120	B02
11	104.17.1303.30213	B04
13	104.17.1303.44063	B06
15	104.17.1303.47937	B08
17	104.17.1303.51540	B10
19	104.17.1303.55843	C01
21	104.17.1303.58863	C03
23	104.17.1304.01573	C05
25	104.17.1304.04093	C07
27	104.17.1304.06860	C09
29	104.17.1304.11487	C11
31	104.17.1304.13883	C13
33	104.17.1304.17923	D02
35	104.17.1304.42197	D04

Item	Seal #	Truss
2	104.17.1303.04573	A02
4	104.17.1303.07403	A04
6	104.17.1303.13677	A06
8	104.17.1303.17017	B01
10	104.17.1303.19257	B03
12	104.17.1303.31377	B05
14	104.17.1303.45850	B07
16	104.17.1303.50207	B09
18	104.17.1303.53390	B11
20	104.17.1303.57460	C02
22	104.17.1304.00157	C04
24	104.17.1304.02927	C06
26	104.17.1304.05340	C08
28	104.17.1304.10340	C10
30	104.17.1304.12583	C12
32	104.17.1304.16780	D01
34	104.17.1304.40830	D03
36	104.17.1304.43370	D05



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04/14/2017



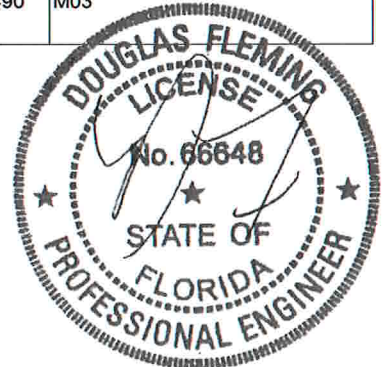
Alpine, an ITW Company
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
Phone: (800)755-6001
alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	Job Number: 16-0982
Job Description: HUBBART RESIDENCE	
Address:	City, State, Zip:

Item	Seal #	Truss
37	104.17.1304.45150	D06
39	104.17.1304.55213	G01
41	104.17.1305.14353	G03
43	104.17.1305.23290	G05
45	104.17.1305.31647	G07
47	104.17.1305.42047	G09
49	104.17.1305.44710	H02
51	104.17.1305.46887	J01A
53	104.17.1305.50790	J03
55	104.17.1305.55300	J04
57	104.17.1306.04413	J05
59	104.17.1306.07190	J07
61	104.17.1306.12680	J09
63	104.17.1306.15183	J11
65	104.17.1306.27963	J13
67	104.17.1306.30693	J15
69	104.17.1306.34477	J17
71	104.17.1306.44420	J19
73	104.17.1306.47333	J21
75	104.17.1306.50987	J23
77	104.17.1306.54093	J25
79	104.17.1306.56203	J27
81	104.17.1307.03237	K01
83	104.17.1307.09003	K03
85	104.17.1307.11603	K05
87	104.17.1307.13913	K07
89	104.17.1307.16237	L02
91	104.17.1307.21643	M02

Item	Seal #	Truss
38	104.17.1304.49213	D07
40	104.17.1305.09723	G02
42	104.17.1305.21097	G04
44	104.17.1305.29900	G06
46	104.17.1305.33467	G08
48	104.17.1305.43470	H01
50	104.17.1305.45783	J01
52	104.17.1305.48353	J02
54	104.17.1305.53703	J03A
56	104.17.1305.56540	J04A
58	104.17.1306.05880	J06
60	104.17.1306.11533	J08
62	104.17.1306.13770	J10
64	104.17.1306.26760	J12
66	104.17.1306.29043	J14
68	104.17.1306.31693	J16
70	104.17.1306.35990	J18
72	104.17.1306.46190	J20
74	104.17.1306.49530	J22
76	104.17.1306.52770	J24
78	104.17.1306.55193	J26
80	104.17.1306.57200	J28
82	104.17.1307.04297	K02
84	104.17.1307.10300	K04
86	104.17.1307.12780	K06
88	104.17.1307.14997	L01
90	104.17.1307.19727	M01
92	104.17.1307.23490	M03



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04/14/2017



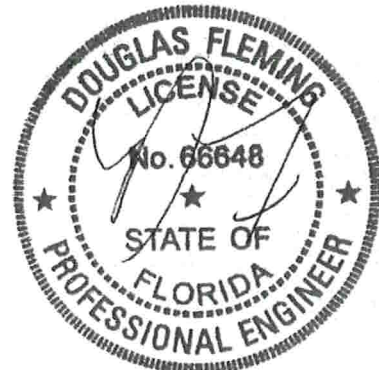
Alpine, an ITW Company
 2400 Lake Orange Dr., Suite 150
 Orlando, FL 32837
 Phone: (800)755-6001
 alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	Job Number: 16-0982
JobDescription: HUBBART RESIDENCE	
Address:	City, State, Zip:

Item	Seal #	Truss
93	104.17.1307.24587	M04
95	104.17.1307.26913	M06
97	104.17.1308.00097	N01
99	104.17.1308.03420	N03
101	104.17.1308.06777	N05
103	104.17.1308.09393	N07
105	104.17.1308.12450	N09
107	104.17.1308.15443	P02
109	104.17.1308.18790	P03
111	104.17.1308.22333	P05
113	104.17.1308.25433	P07
115	104.17.1308.43793	P09
117	104.17.1308.46400	P11
119	104.17.1308.49877	P13
121	104.17.1308.52060	P15
123	104.17.1308.56243	P17
125	104.17.1309.03463	P19
127	104.17.1309.08540	P21
129	104.17.1309.12480	R02

Item	Seal #	Truss
94	104.17.1307.25800	M05
96	104.17.1307.28857	M07
98	104.17.1308.02193	N02
100	104.17.1308.05260	N04
102	104.17.1308.08197	N06
104	104.17.1308.10607	N08
106	104.17.1308.13540	P01
108	104.17.1308.16810	P02A
110	104.17.1308.20223	P04
112	104.17.1308.23797	P06
114	104.17.1308.33987	P08
116	104.17.1308.45250	P10
118	104.17.1308.48360	P12
120	104.17.1308.50877	P14
122	104.17.1308.54107	P16
124	104.17.1309.02233	P18
126	104.17.1309.07483	P20
128	104.17.1309.09737	R01



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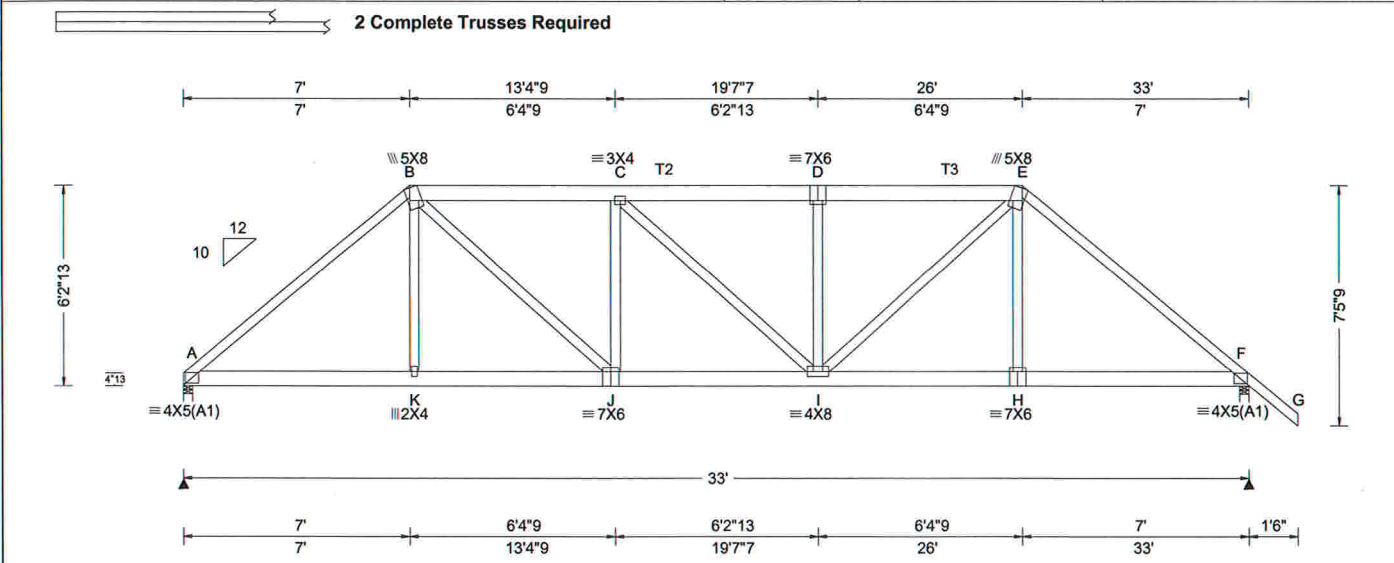
04/14/2017

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: A01

Ply: 2
Qty: 1

SEQN: 468426 / T58 HIPS
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.03293
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCDL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.30 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.073 D 999 240 VERT(TL): 0.187 D 999 180 HORZ(LL): 0.025 H - - HORZ(TL): 0.064 H - - Creep Factor: 1.5 Max TC CSI: 0.150 Max BC CSI: 0.236 Max Web CSI: 0.112 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 3475 / 917 / - / - / - / 3.5 F 3576 / 953 / - / - / - / 3.5 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 F Min Brg Width Req = 1.5 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 693 -2533 D - E 760 -2767 B - C 754 -2752 E - F 692 -2518 C - D 759 -2766

Lumber
Top chord 2x4 SP M-31 :T2, T3 2x6 SP M-31:
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

Nailnote
Nail Schedule:0.131"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.

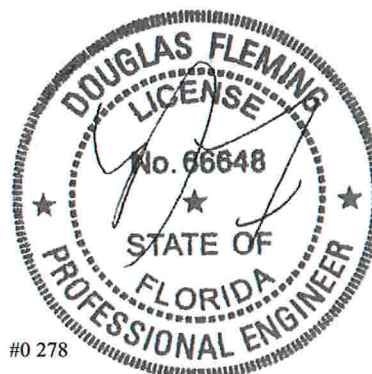
Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 66 plf at 0.00 to 66 plf at 7.00
TC- From 33 plf at 7.00 to 33 plf at 19.62
TC- From 33 plf at 19.62 to 33 plf at 26.00
TC- From 66 plf at 26.00 to 66 plf at 34.50
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 13.24
BC- From 10 plf at 13.24 to 10 plf at 25.85
BC- From 20 plf at 25.85 to 20 plf at 33.00
BC- From 5 plf at 33.00 to 5 plf at 34.50
TC- 80 lb Conc. Load at 7.03
TC- 282 lb Conc. Load at 7.06
TC- 202 lb Conc. Load at 9.06,11.06,13.06,15.06
16.50,17.94,19.94,21.94,23.94
TC- 279 lb Conc. Load at 25.94
TC- 77 lb Conc. Load at 25.97
BC- 488 lb Conc. Load at 7.03
BC- 158 lb Conc. Load at 9.06,11.06,13.06,15.06
16.50,17.94,19.94,21.94,23.94
BC- 472 lb Conc. Load at 25.97

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

Wind
Wind loads and reactions based on MWFRS.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
A - K 1897 -513 I - H 1893 -513
K - J 1906 -515 H - F 1884 -512
J - I 2775 -765

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
B - J 1154 -326 D - I 228 -464
J - C 232 -473 I - E 1180 -332



#0 278

04/14/2017

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

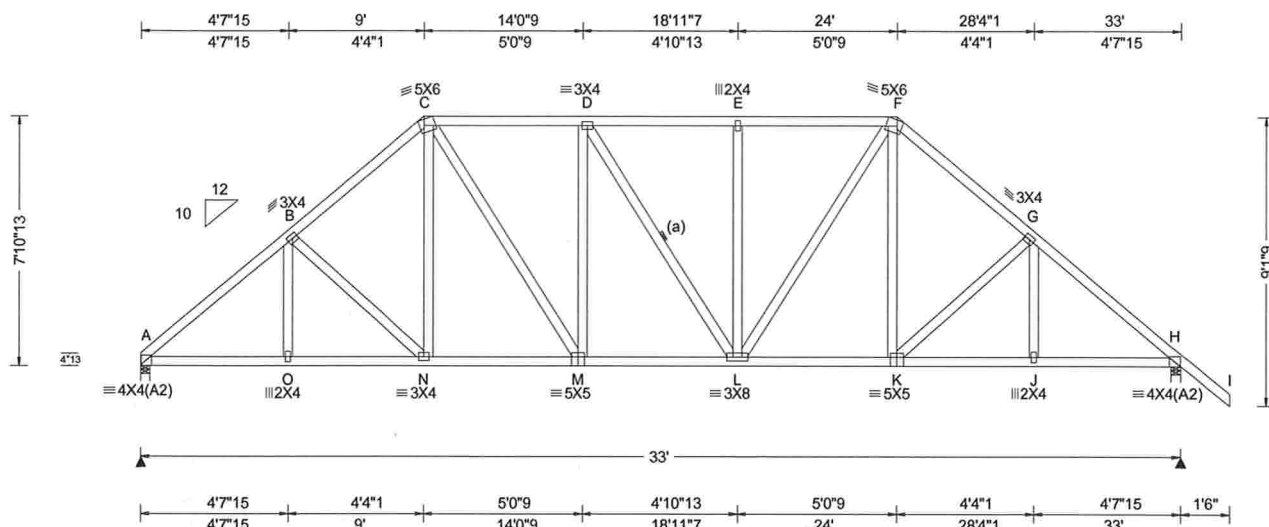
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: A02

Ply: 1
Qty: 1

SEQN: 468403 / T103 HIPS
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.04573
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.30 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg. Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.052 E 999 240
VERT(TL): 0.141 E 999 180
HORZ(LL): 0.027 J - -
HORZ(TL): 0.074 J - -
Creep Factor: 1.5
Max TC CSI: 0.163
Max BC CSI: 0.242
Max Web CSI: 0.189

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
A	1417	/222	/820	/-	/273	/3.5
H	1529	/249	/919	/-	/-	/3.5
Wind reactions based on MWFRS						
A	Min Brg Width Req = 1.5					
H	Min Brg Width Req = 1.5					
Bearings A & H are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.	Comp.	Chords	Tens.	Comp.	
A - B	453	-1926	E - F	473	-1493	
B - C	480	-1671	F - G	465	-1661	
C - D	473	-1486	G - H	430	-1906	
D - E	472	-1492				

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

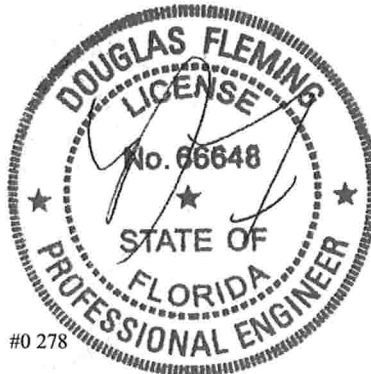
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Wind
Wind loads based on MWFRS with additional C&C member design.

Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.	Comp.	Chords	Tens. Comp.
A - O	1400	-226	L - K	1209 -127
O - N	1399	-226	K - J	1376 -219
N - M	1214	-124	J - H	1376 -219
M - L	1498	-197		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.	Comp.	Webs Tens. Comp.
C - M	500	-125	L - F 512 -132



04/14/2017

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

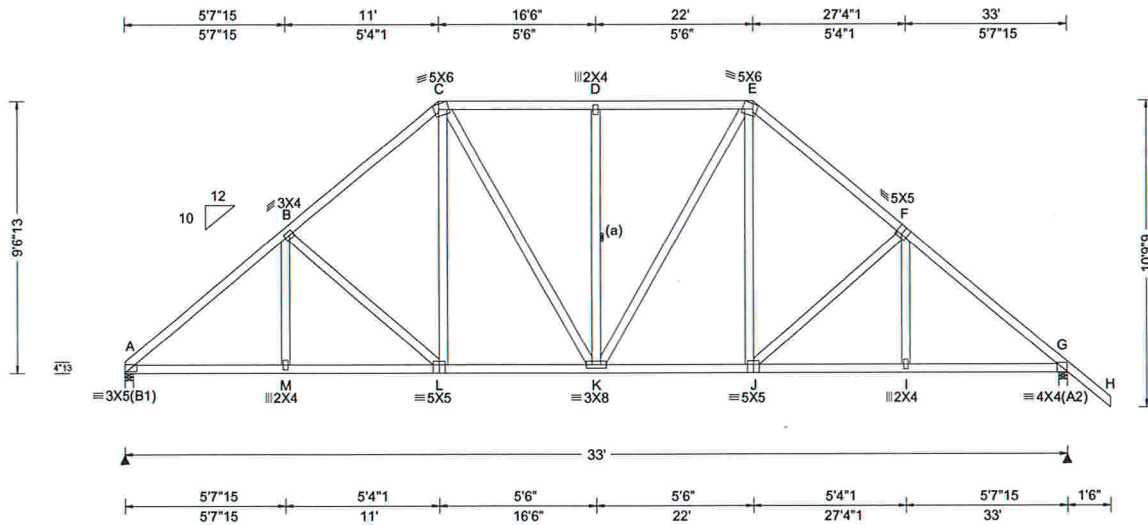
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: A03

Ply: 1
Qty: 1

SEQN: 468405 / T102 HIPS
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.06213
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.30 ft
Loc. from endwall: not in 9.00 ft
GCp: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.047 D 999 240
VERT(TL): 0.126 D 999 180
HORZ(LL): 0.025 I - -
HORZ(TL): 0.069 I - -
Creep Factor: 1.5
Max TC CSI: 0.172
Max BC CSI: 0.223
Max Web CSI: 0.185

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
A	1417	/216	/835	/-	/324	/3.5
G	1529	/243	/934	/-	/-	/3.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
G Min Brg Width Req = 1.5
Bearings A & G are a rigid surface.

**Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	435 - 1914	D - E	435 - 1260
B - C	463 - 1574	E - F	448 - 1568
C - D	435 - 1260	F - G	413 - 1898

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - M	1381 - 197	K - J	1117 - 73
M - L	1380 - 197	J - I	1361 - 192
L - K	1119 - 99	I - G	1362 - 192

Maximum Web Forces Per Ply (lbs)

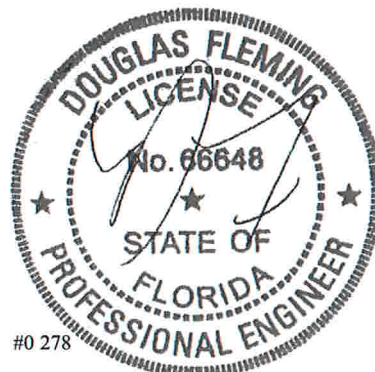
Webs	Tens.Comp.	Webs	Tens. Comp.
C - L	397 - 99	E - J	392 - 93

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Wind
Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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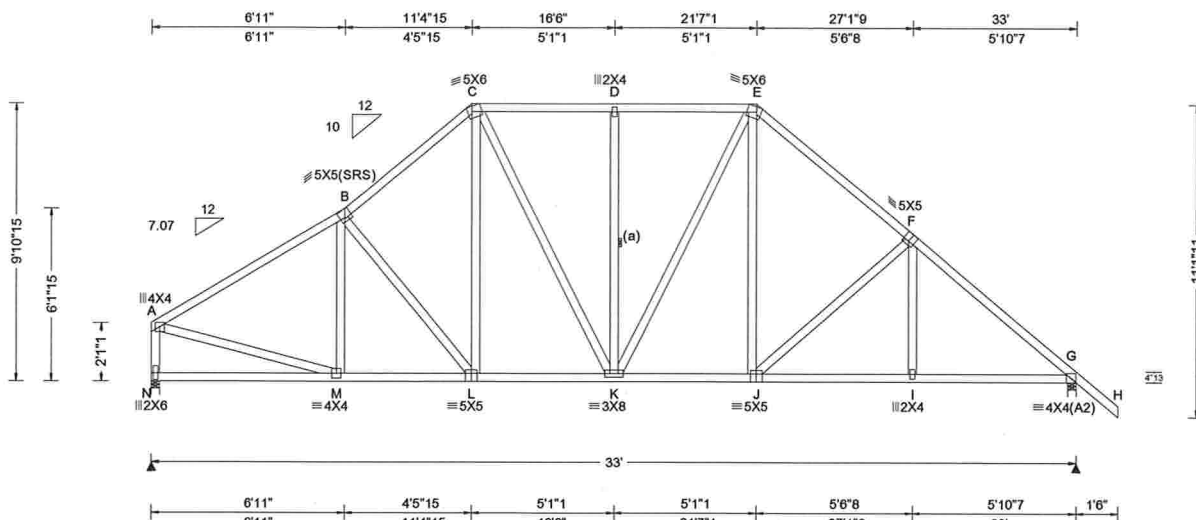
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: A04	Ply: 1 Qty: 1	SEQN: 468407 / T78 FROM: CDM	SPEC	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1303.07403 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.30 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.044 D 999 240 VERT(TL): 0.118 D 999 180 HORZ(LL): 0.020 I - - HORZ(TL): 0.054 I - - Creep Factor: 1.5 Max TC CSI: 0.319 Max BC CSI: 0.232 Max Web CSI: 0.229	Loc R / U / Rw / Rh / RL / W N 1379 / 224 / 794 / - / 302 / 3.5 G 1519 / 241 / 938 / - / - / 3.5 Wind reactions based on MWFRS N Min Brg Width Req = 1.5 G Min Brg Width Req = 1.5 Bearings N & G are a rigid surface.
		Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 16.02.01B.0131.17	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 411 -1638 D - E 446 -1198 B - C 495 -1525 E - F 461 -1532 C - D 446 -1198 F - G 426 -1880

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

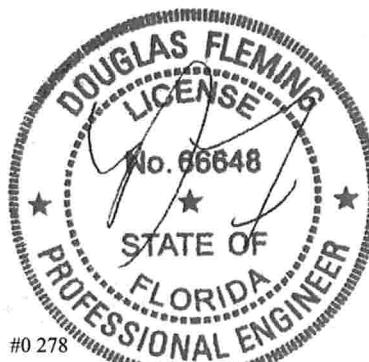
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1336 -202	J - I	1346 -201
L - K	1084 -101	I - G	1347 -200
K - J	1084 -76		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	336 -1319	C - L	420 -147
A - M	1322 -262	E - J	398 -98
B - L	203 -414		



#0 278

04/14/2017

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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AN ITW COMPANY
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Suite 150
Orlando FL, 32837

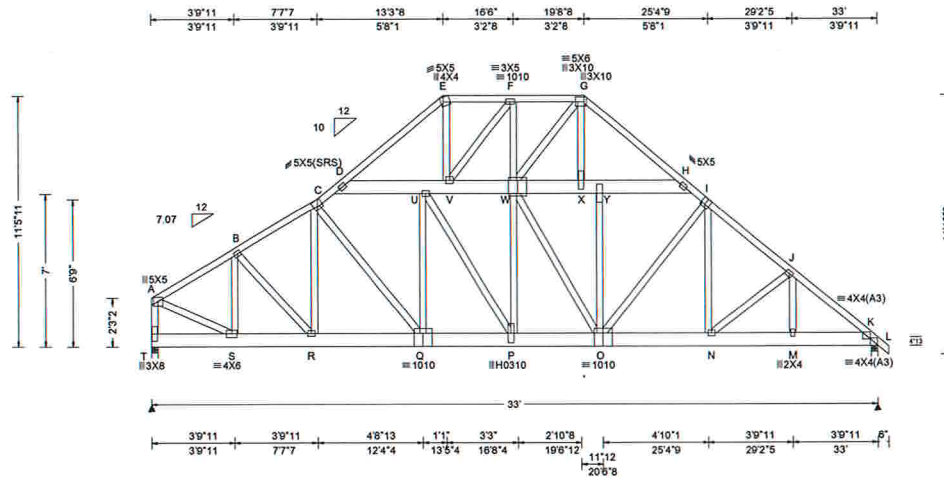
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: A05

Ply: 2
Qty: 1

SEQN: 468274 / T71 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.11927
KM / DF 04/14/2017

2 Complete Trusses Required



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0"

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.73 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.30 ft
Loc. from endwall:	not in 9.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)	
Pg: NA	Ct: NA
CAT: NA	Ce: NA
Pf: NA	Cs: NA
Snow Duration: NA	

Code / Misc Criteria

Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	No
FT/RT:	20(0)/10(0)
Plate Type(s):	WAVE, HS

Defl/CSI Criteria	
PP Deflection in	loc L/def L/#
VERT(LL):	0.084 O 999 240
VERT(TL):	0.214 O 999 180
HORZ(LL):	0.026 C - -
HORZ(TL):	0.066 C - -
Creep Factor:	1.5
Max TC CSI:	0.262
Max BC CSI:	0.324
Max Web CSI:	0.197

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)

Loc	R	U	/Rw	/Rh	/RL	/W
T	4200	/674	/-	/-	/-	/3.5
K	5240	/833	/-	/-	/-	/3.5
Wind reactions based on MWFRS						
T	Min Brg Width Req = 1.7					
K	Min Brg Width Req = 2.2					
Bearings T & K are a rigid surface.						

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	356 -2194	F - G	393 -2720
B - C	440 -2739	G - H	459 -3035
C - D	469 -2932	H - I	583 -3700
D - E	387 -2543	I - J	601 -3807
E - F	294 -2011	J - K	609 -3837

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	1916 -307	O - N	2870 -447
R - Q	2346 -371	N - M	2929 -460
Q - P	2326 -373	M - K	2928 -459
P - O	2548 -412		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	340 -2059	F - W	935 -114
A - S	2070 -329	P - W	940 -108
S - B	169 -906	W - X	130 -685
B - R	671 -92	W - G	667 -86
R - C	91 -460	W - O	1016 -124
D - U	91 -421	X - G	1297 -174
U - V	135 -689	X - Y	136 -731
U - P	605 -89	Y - O	1253 -168
E - V	1467 -183	Y - H	136 -727
V - F	159 -1139		

Lumber
Top chord 2x4 SP M-31
Bot chord 2x8 SP M-31
Webs 2x4 SP M-31

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 7.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

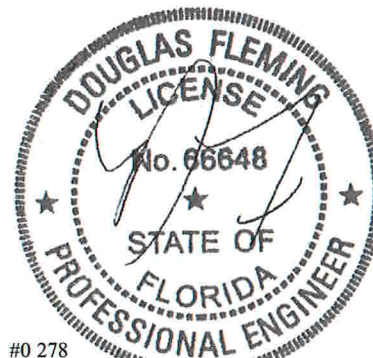
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 7.62
TC- From 66 plf at 7.62 to 66 plf at 13.29
TC- From 63 plf at 13.29 to 63 plf at 15.84
TC- From 32 plf at 15.84 to 32 plf at 19.71
TC- From 66 plf at 19.71 to 66 plf at 33.50
BC- From 20 plf at 0.00 to 20 plf at 15.84
BC- From 10 plf at 15.84 to 10 plf at 19.84
BC- From 20 plf at 19.84 to 20 plf at 33.00
BC- From 5 plf at 33.00 to 5 plf at 33.50
PLB- 1144 lb Conc. Load at (15.84,10.04), (17.84,10.04)
PLB- 4480 lb Conc. Load at (19.84,10.04)

Plating Notes

All plates are 3X4 except as noted.

Purlins

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



#0 278

04/14/2017

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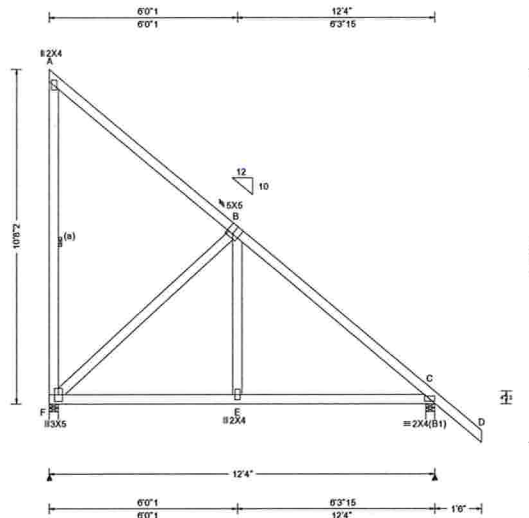
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: A06

Ply: 1
Qty: 3

SEQN: 468409 / T46 MONO
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.13677
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	F	516	/ 198	/ 433	/ -	/ 328	/ 3.5
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 E 999 240	C	652	/ -	/ 408	/ -	/ -	/ 3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.012 E 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 A - -	F	Min Brg Width Req = 1.5					
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.012 A - -	C	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	Bearings F & C are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.256	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.187							
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.296							
	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 16.02.01B.0131.17	B - C 0 -576						

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

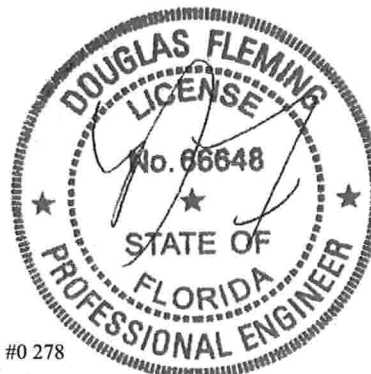
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'



#0 278

04/14/2017

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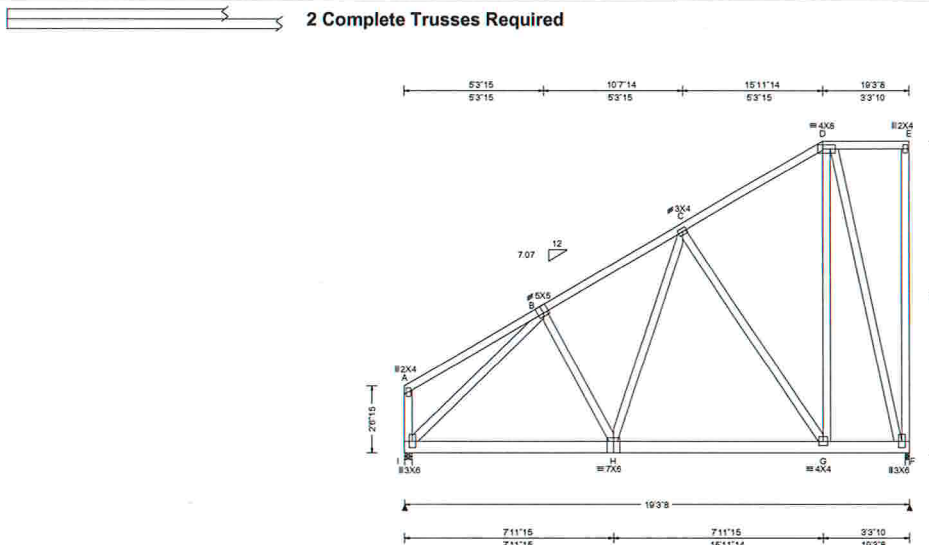
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Suite 150
Orlando FL, 32837

Cust: R215 JRef: 1VZZ2150001
 DrwNo: 104.17.1303.17017
 KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 H 999 240	I 1873 /387 /- /0 /0 /3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.051 H 999 180	F 2443 /496 /- /- /- /1.9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 B - -	Wind reactions based on MWFRS
	EXP: C		HORZ(TL): 0.025 B - -	I Min Brg Width Req = 1.5
Des Ld: 40.00	Mean Height: 17.29 ft		Creep Factor: 1.5	F Min Brg Width Req = 1.5
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.085	Bearings I & F are a rigid surface.
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max BC CSI: 0.232	Members not listed have forces less than 375#
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Plt Std: 2007	Max Web CSI: 0.707	Maximum Top Chord Forces Per Ply (lbs)
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: No		Chords Tens.Comp. Chords Tens. Comp.
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 16.02.01B.0131.17	B - C 189 -924 C - D 95 -417

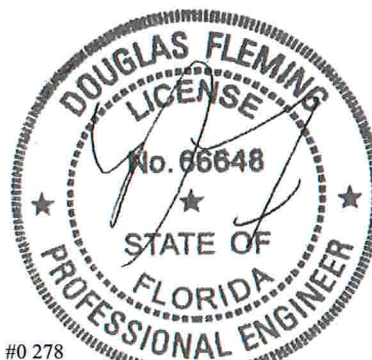
Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @10.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)			
TC- From	63 plf at	0.00 to	63 plf at 15.99
TC- From	63 plf at	15.99 to	63 plf at 19.29
BC- From	20 plf at	0.00 to	20 plf at 19.29
BC-	129 lb Conc. Load at	0.77	
BC-	215 lb Conc. Load at	3.60	
BC-	301 lb Conc. Load at	6.43	
BC-	387 lb Conc. Load at	9.26	
BC-	473 lb Conc. Load at	12.09	
BC-	559 lb Conc. Load at	14.92	
BC-	645 lb Conc. Load at	17.74	

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

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.



04/14/2017

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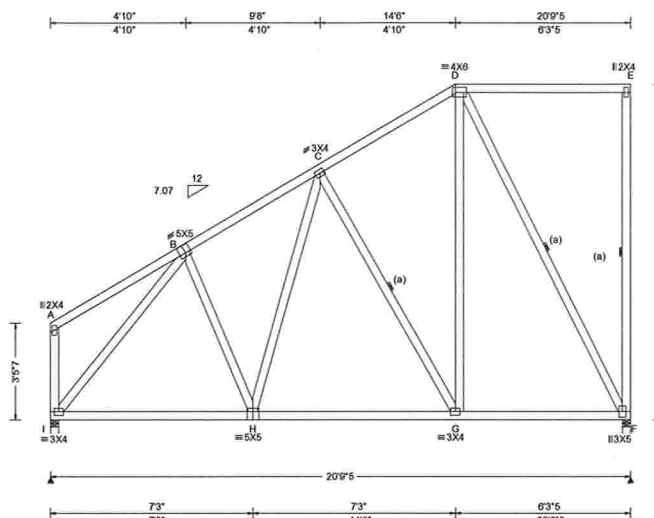
▲ Maximum Reactions (lbs)							
Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W	
I	1873	/ 387	/ -	/ 0	/ 0	/ 3.5	
F	2443	/ 496	/ -	/ -	/ -	/ 1.9	
Wind reactions based on MWFRS							
I	Min Brg Width Req = 1.5						
F	Min Brg Width Req = 1.5						
Bearings I & F are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Chords		Tens.Comp.		Chords		Tens. Comp.	
B - C		189 -924		C - D		95 -417	

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	1428	-307	H - G	600	-126

Webbs	Tens.	Comp.	Webbs	Tens.	Comp.
I - B	214	-996	D - G	1168	-198
H - C	544	-70	D - F	224	-1147
C - G	120	-530			

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2400 Lake Orange Dr.
Suite 150
Orlando FL 32837

Job Number: 16-0982	Ply: 1	SEQN: 455369 / T62	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1303.18120	
Truss Label: B02				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 17.73 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 C 999 240 VERT(TL): 0.036 C 999 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.017 B - - Creep Factor: 1.5 Max TC CSI: 0.302 Max BC CSI: 0.209 Max Web CSI: 0.489 VIEW Ver: 16.01.00D.0413.17	Loc R /U /Rw /Rh /RL /W I 871 / 57 / 560 / - / 242 / 3.5 F 858 / 239 / 525 / - / - / 3.4 Wind reactions based on MWFRS I Min Brg Width Req = 1.5 F Min Brg Width Req = 1.5 Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 155 -705 C - D 119 -476

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.

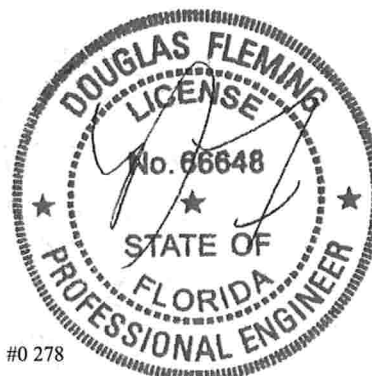
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	1067 -334	H - G	513 -237

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - B	41 -845	D - G	516 -164
C - G	212 -378	D - F	282 -695



#0 278

04/14/2017

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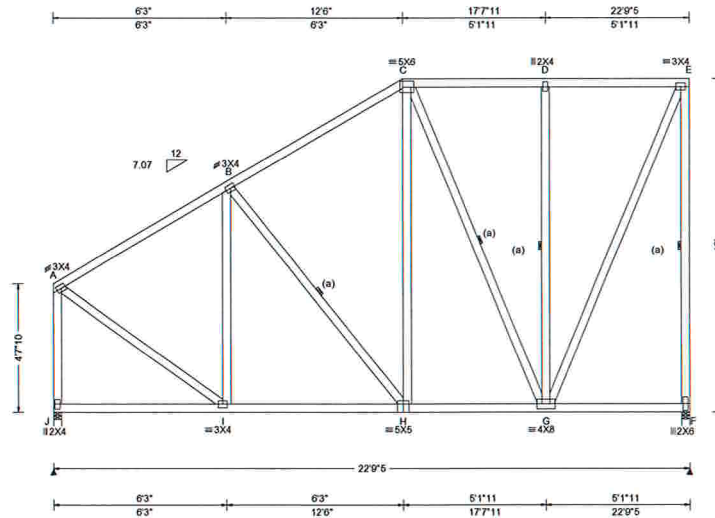
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: B03

Ply: 1
Qty: 1

SEQN: 455367 / T64
FROM: CDM

COMN
Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.19257
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 18.32 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCp: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.017 H 999 240
VERT(TL): 0.044 H 999 180
HORZ(LL): 0.007 B - -
HORZ(TL): 0.019 B - -
Creep Factor: 1.5
Max TC CSI: 0.267
Max BC CSI: 0.201
Max Web CSI: 0.522

VIEW Ver: 16.01.00D.0413.17

Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
J 948	/42	/595	/-	/146	/3.5	
F 948	/228	/541	/-	/-	/3.4	

Wind reactions based on MWFRS
J Min Brg Width Req = 1.5
F Min Brg Width Req = 1.5
Bearings J & F are a rigid surface.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	139 -745	B - C	185 -659

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	580 -292	H - G	472 -198

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	154 -900	G - E	847 -319
A - I	702 -59	E - F	360 -906

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

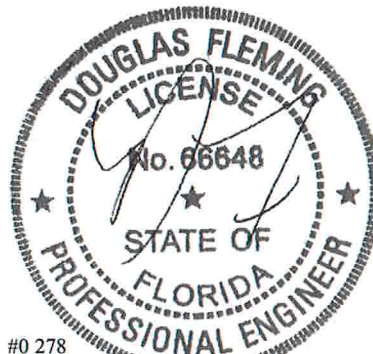
Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

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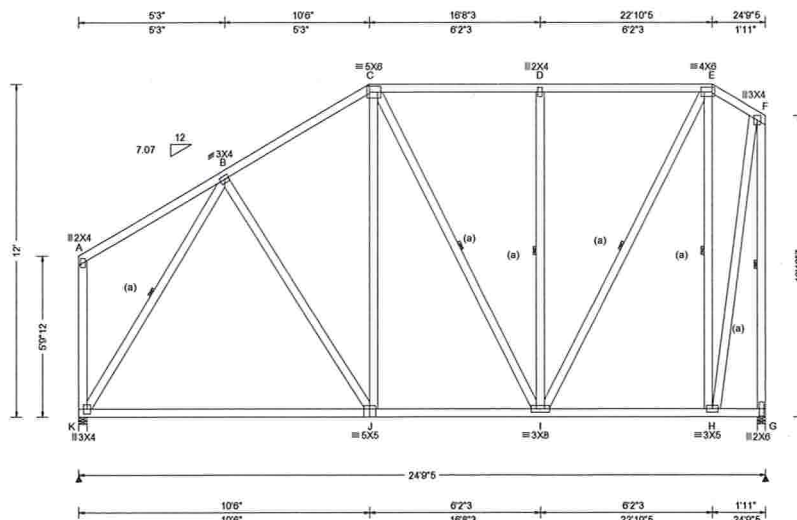
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: B04

Ply: 1
Qty: 1

SEQN: 455365 / T67 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.30213
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 18.91 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.023 D 999 240 VERT(TL): 0.061 D 999 180 HORZ(LL): 0.014 F - - HORZ(TL): 0.040 F - - Creep Factor: 1.5 Max TC CSI: 0.180 Max BC CSI: 0.380 Max Web CSI: 0.377 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W K 1037 / 83 / 620 / - / 131 / 3.5 G 1025 / 205 / 547 / - / - / 3.4 Wind reactions based on MWFRS K Min Brg Width Req = 1.5 G Min Brg Width Req = 1.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 248 -729 D - E 217 -500 C - D 217 -500

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

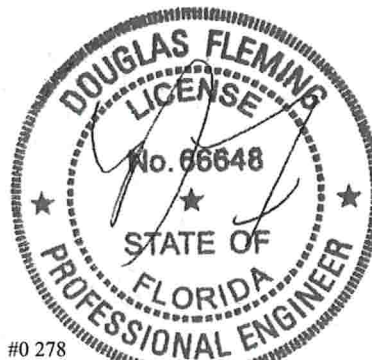
Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

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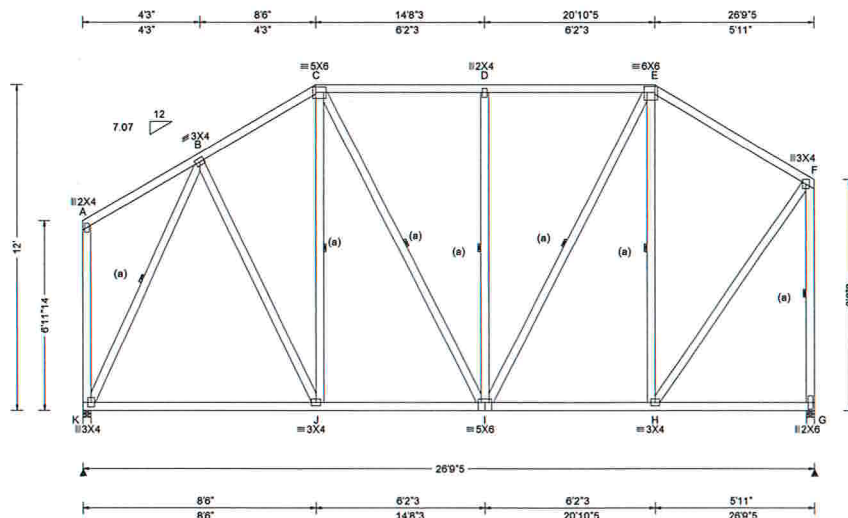
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: B05	Ply: 1 Qty: 1	SEQN: 455363 / T68 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1303.31377 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 19.50 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.022 D 999 240 VERT(TL): 0.057 D 999 180 HORZ(LL): 0.007 C - - HORZ(TL): 0.019 C - - Creep Factor: 1.5 Max TC CSI: 0.199 Max BC CSI: 0.263 Max Web CSI: 0.272 VIEW Ver: 16.01.00D.0413.17	Loc R /U /Rw /Rh /RL /W K 1120 /113 /624 /- /124 /3.5 G 1108 /128 /574 /- /- /3.4 Wind reactions based on MWFRS K Min Brg Width Req = 1.5 G Min Brg Width Req = 1.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 287 -719 D - E 301 -647 C - D 301 -647 E - F 221 -612

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

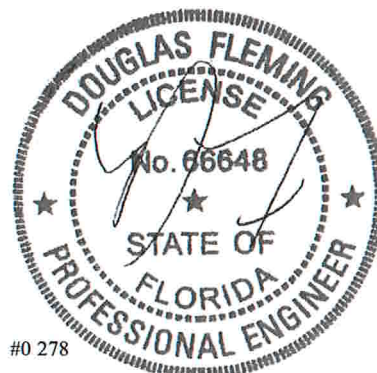
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	841 -257	I - H	460 -120
J - I	561 -155		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
K - B	251 -1011	E - H	187 -499
I - D	164 -403	H - F	786 -205
I - E	400 -128	F - G	330 -1062

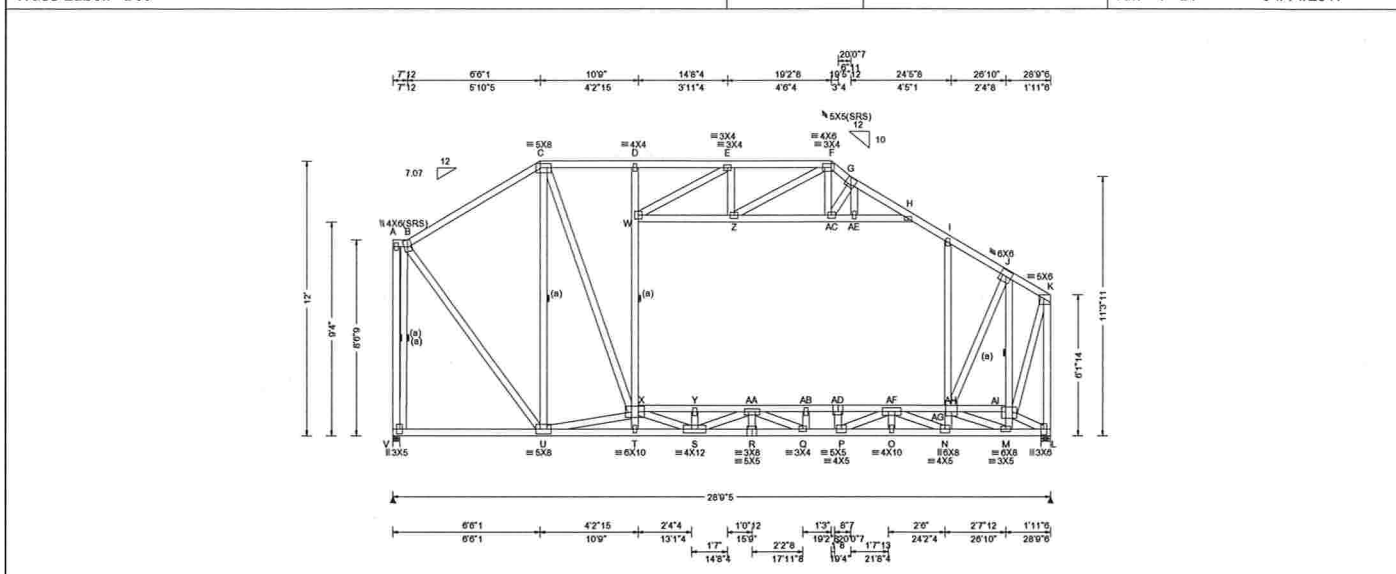


#0 278

04/14/2017

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Orlando FL, 32837



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.108 R 999 480	V 2012 /124 /616 /- /136 /3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.280 R 999 360	L 2391 /97 /674 /- /- /4.9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 R - -	Wind reactions based on MWFRS
	EXP: C		HORZ(TL): 0.143 R - -	V Min Brg Width Req = 1.7
Des Ld: 40.00	Mean Height: 16.67 ft		Creep Factor: 1.5	L Min Brg Width Req = 2.0
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.313	Bearings V & L are a rigid surface.
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max BC CSI: 0.381	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2007	Max Web CSI: 0.877	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes		Members not listed have forces less than 375#
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 16.01.00D.0413.17	B - C 241 -1212 G - H 362 -1410

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Attic room loading from 10-9-0 to 24-2-0: Live Load:
40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF,
Kneewalls: 10 PSF

Purlins

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

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

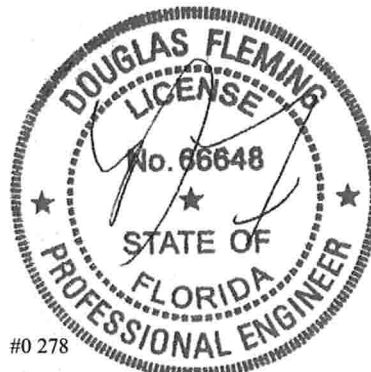
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.11" DL: 0.19". See detail
DEFLCMB1014 for camber recommendations.
Provide for adequate drainage of roof.



#0 278

04/14/2017

▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
V	2012	/124	/616	/-	/136	/3.5
L	2391	/97	/674	/-	/-	/4.9

Wind reactions based on MWFRS
V Min Brg Width Req = 1.7
L Min Brg Width Req = 2.0
Bearings V & L are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)					
Chords		Tens.	Comp.	Chords	
Tens.	Comp.			Tens.	Comp.
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100		

B - C	241 - 1212	G - H	362 - 1410
C - D	303 - 1474	H - I	294 - 1750
D - E	296 - 1476	I - J	193 - 1736
E - F	403 - 1593	J - K	103 - 896
F - G	389 - 1334		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	681	-292	Q - P	2360	-77
T - S	697	-305	P - O	1206	-315
S - R	2589	-31	O - N	1206	-315
R - Q	2589	-31	N - M	345	-1374

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
V - B	430 -2013	AC-AE	62 -553
B - U	1379 -167	AD- P	32 -439
C - U	170 -1153	AD-AF	207 -972
C - X	1536 -156	P -AF	1568 -115
U - X	715 -244	AE -H	61 -553
W - X	187 -375	AF- N	53 -1854
X - S	1835 -175	AF-AG	2392 -322
X - Y	101 -798	N -AG	1066 -20
S -AA	151 -726	AG- J	1948 -126
Y -AA	101 -791	AG-AI	953 -123
Z - F	623 -98	AH- M	1147 -213
Z -AC	25 -591	M -AI	96 -450
AA- Q	142 -473	J -AI	180 -2339
AA-AB	191 -1018	AI- K	2054 -179
AB-AD	199 -1021	K - L	238 -2415

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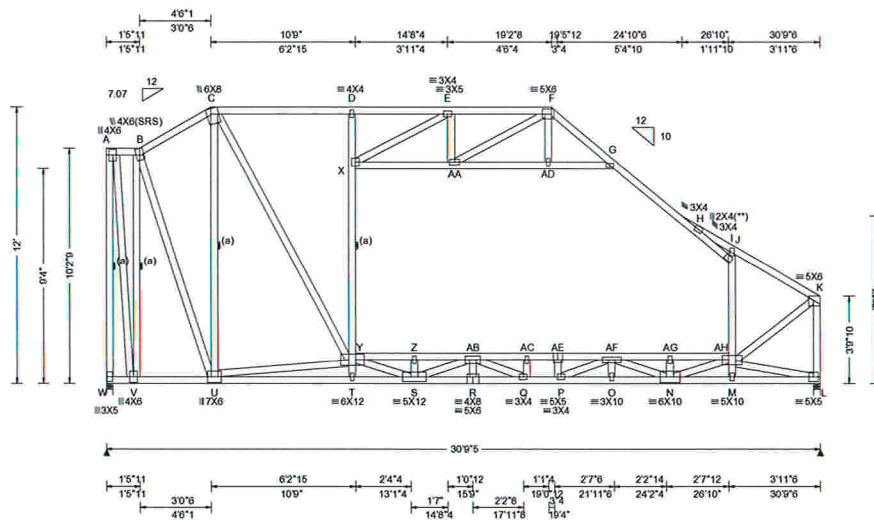


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: B07

Ply: 1
Qty: 1

SEQN: 455335 / T53 COMN
FROM: CDM

Cust: R215 JRef: 1VZ22150001
DrwNo: 104.17.1303.45850
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0"

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 16.67 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.08 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.267 F 999 480
VERT(TL): 0.714 Q 516 360
HORZ(LL): 0.188 R - -
HORZ(TL): 0.552 R - -
Creep Factor: 1.5
Max TC CSI: 0.751
Max BC CSI: 0.531
Max Web CSI: 0.584

VIEW Ver: 16.01.00D.0413.17

Maximum Reactions (lbs)

Loc	R	U	Rw	Rh	RL	W
W	2157	195	680	-	162	3.5
L	2627	85	770	-	-	3.5

Wind reactions based on MWFRS
W Min Brg Width Req = 1.8
L Min Brg Width Req = 2.2
Bearings W & L are a rigid surface.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	192 -937	G - H	337 -2097
C - D	343 -1733	H - I	597 -402
D - E	306 -1777	I - J	163 -2218
E - F	355 -1559	J - K	108 -2057
F - G	290 -1087		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	556 -897	P - O	4146 -177
T - S	646 -932	O - N	4146 -177
S - R	3727 -87	N - M	1566 -618
R - Q	3727 -87	M - L	1557 -654
Q - P	4367 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - W	384 -2069	AB - Q	1009 -185
A - V	2010 -366	AB - AC	0 -2912
V - B	388 -2064	AC - AE	0 -2948
B - U	1622 -253	AD - G	95 -1085
C - U	300 -1602	AE - AF	0 -2931
C - Y	1980 -313	P - AF	491 -175
U - Y	1566 -324	AF - N	119 -1185
X - E	393 -7	AF - AG	333 -1742
Y - S	2914 -192	N - AH	2300 -163
Y - Z	339 -1144	AG - AH	334 -1752
S - AB	112 -1586	I - AH	348 -510
Z - AB	338 -1136	AH - K	2085 -80
E - AA	53 -414	AH - L	671 -1592
AA - AD	94 -1075	K - L	108 -2305
AA - F	1032 -99		

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading

Attic room loading from 10-9-0 to 26-10-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

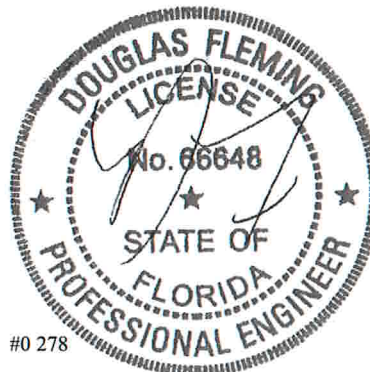
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

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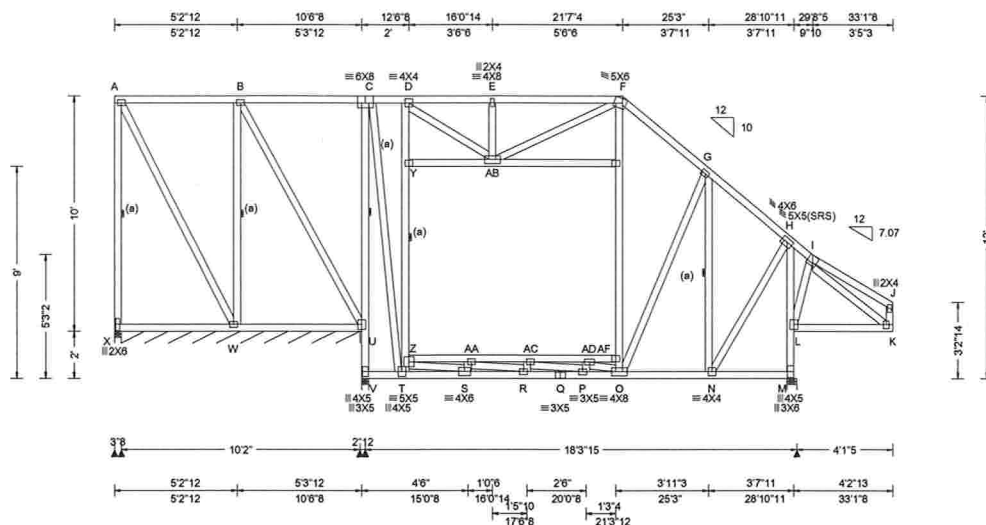
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: B08

Ply: 1
Qty: 1

SEQN: 467838 / T56
FROM: CDM

COMN
Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.47937
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.31 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.165 F 999 240 VERT(TL): 0.454 O 477 180 HORZ(LL): 0.232 E - - HORZ(TL): 0.646 E - - Creep Factor: 1.5 Max TC CSI: 0.216 Max BC CSI: 0.346 Max Web CSI: 0.656 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W X 481 / 159 / 231 / - / 165 / 3.5 X* 70 / 10 / 46 / - / - / 122 V 1178 / 54 / 316 / - / - / 3.5 M 1800 / 46 / 924 / - / - / 4.9 Wind reactions based on MWFRS X Min Brg Width Req = 1.5 X Min Brg Width Req = - V Min Brg Width Req = 1.5 M Min Brg Width Req = 1.5 Bearings X, X, V, & M are a rigid surface.

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

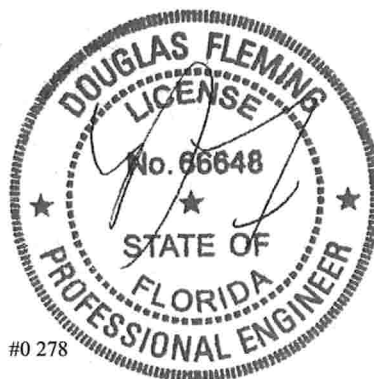
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 3X4 except as noted.

Loading
Attic room loading from 12-6-8 to 21-3-12: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind



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Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
C - D	287 - 470	F - G	314 - 918
D - E	380 - 828	G - H	215 - 685
E - F	380 - 829		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	1631 0	P - O	1874 0
R - Q	2290 0	O - N	486 - 15
Q - P	2290 0		

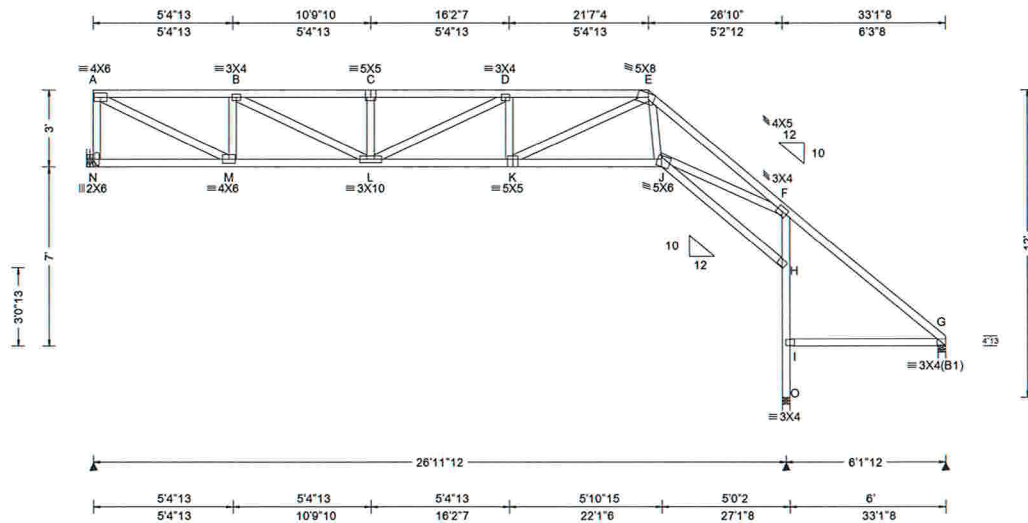
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - X	313 - 444	AA - R	637 0
W - B	396 - 594	AA - AC	0 - 1670
U - V	53 - 1290	AC - P	19 - 450
U - C	173 - 1714	AC - AD	0 - 1422
C - T	1695 - 75	AD - O	0 - 961
T - Z	92 - 1201	AD - AF	0 - 471
Y - Z	99 - 729	O - G	416 - 48
Y - D	98 - 702	G - N	100 - 775
Z - S	1627 0	N - H	1082 - 103
Z - AA	4 - 1015	H - L	351 - 1674
D - AB	577 - 121	L - M	424 - 1797
S - AA	0 - 486		

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Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: B09	Ply: 1 Qty: 1	SEQN: 467669 / T52 FROM: CDM	COMN	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1303.50207 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.20 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.31 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.118 D 999 240 VERT(TL): 0.334 D 968 180 HORZ(LL): 0.081 H - - HORZ(TL): 0.228 H - - Creep Factor: 1.5 Max TC CSI: 0.270 Max BC CSI: 0.267 Max Web CSI: 0.243 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W N 1144 / 172 / 551 / - / 209 / - O 1565 / 82 / 925 / - / - / 3.5 G 211 / 45 / 168 / - / - / 3.5 Wind reactions based on MWFRS N Min Brg Width Req = - O Min Brg Width Req = 3.5 G Min Brg Width Req = 1.5 Bearings O & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing N (0', 17") HUS28
Supporting Member: (2)2x8 SP M-31
(22) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

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

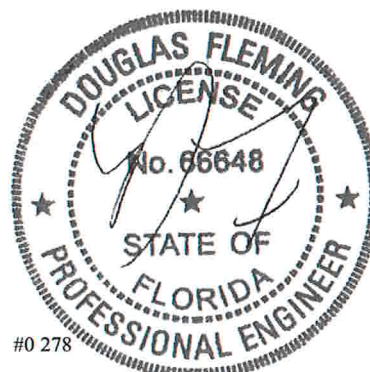
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.12" DL: 0.23". See detail DEFLCMB1014 for camber recommendations. Provide for adequate drainage of roof.



#0 278

04/14/2017

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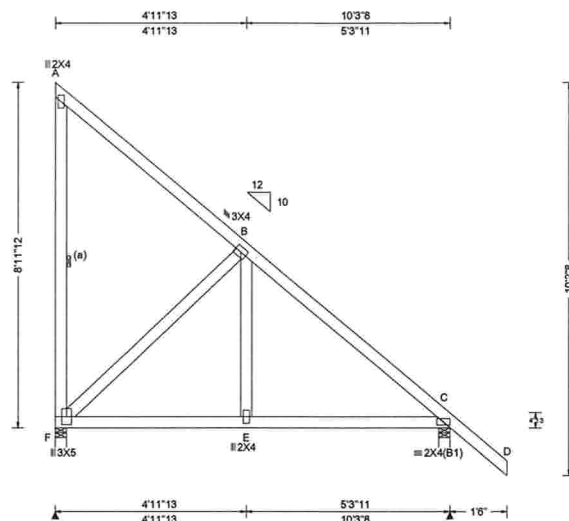
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Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: H02

Ply: 1
Qty: 1

SEQN: 468442 / T61 MONO
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.44710
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 E 999 240 VERT(TL): 0.009 E 999 180 HORZ(LL): 0.005 A - - HORZ(TL): 0.008 A - - Creep Factor: 1.5 Max TC CSI: 0.170 Max BC CSI: 0.129 Max Web CSI: 0.166 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W F 427 / 165 / 359 / - / 279 / 3.5 C 565 / - / 352 / - / - / 3.5 Wind reactions based on MWFRS F Min Brg Width Req = 1.5 C Min Brg Width Req = 1.5 Bearings F & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 0 -471

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

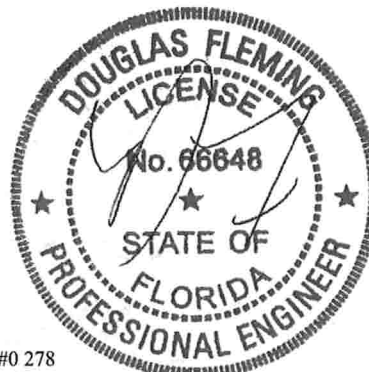
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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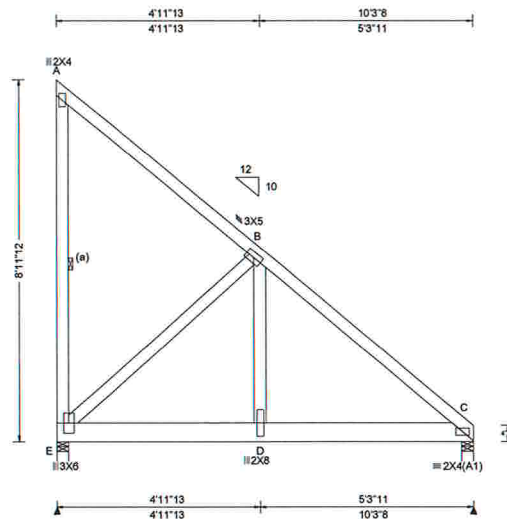
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Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: H01

Ply: 1
Qty: 1

SEQN: 455443 / T79 MONO
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.43470
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 D 999 240 VERT(TL): 0.019 D 999 180 HORZ(LL): 0.005 A - - HORZ(TL): 0.013 A - - Creep Factor: 1.5 Max TC CSI: 0.124 Max BC CSI: 0.207 Max Web CSI: 0.330 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W E 799 / 207 / - / - / - / 3.5 C 1000 / 260 / - / - / - / 3.5 Wind reactions based on MWFRS E Min Brg Width Req = 1.5 C Min Brg Width Req = 1.5 Bearings E & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 248 -856

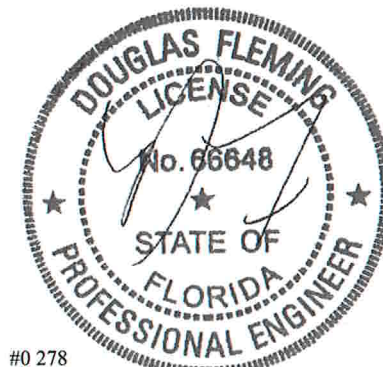
Lumber
Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

Bracing
(a) Continuous lateral restraint equally spaced on member.

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 33 plf at 0.00 to 33 plf at 7.56
TC- From 66 plf at 7.56 to 66 plf at 10.29
BC- From 10 plf at 0.00 to 10 plf at 10.29
BC- 287 lb Conc. Load at 1.56
BC- 227 lb Conc. Load at 3.56
BC- 233 lb Conc. Load at 5.56
BC- 229 lb Conc. Load at 7.56
BC- 291 lb Conc. Load at 9.56

Wind
Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.

Additional Notes
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'



#0 278
04/14/2017

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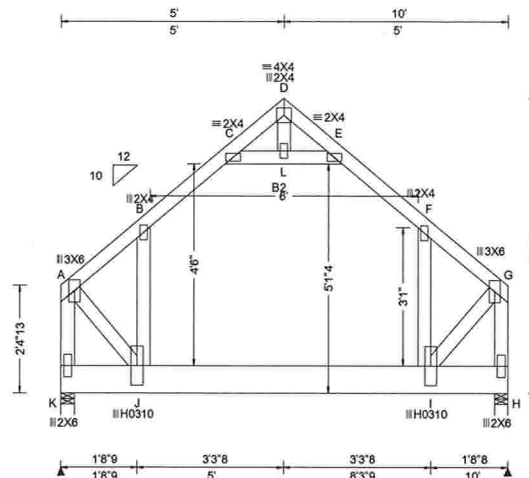
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: G09

Ply: 3
Qty: 1

SEQN: 467828 / T93 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.42047
KM / DF 04/14/2017

3 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): -0.038 D 999 240
VERT(TL): -0.095 D 999 180
HORZ(LL): -0.063 F - -
HORZ(TL): -0.156 F - -
Creep Factor: 1.5
Max TC CSI: 0.398
Max BC CSI: 0.178
Max Web CSI: 0.083

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)							
Loc	R	/U	/Rw	/Rh	/RL	/W	
K	4689	/362	/-	/-	/-	/3.5	
H	4769	/366	/-	/-	/-	/3.5	
Wind reactions based on MWFRS							
K	Min Brg Width Req = 1.5						
H	Min Brg Width Req = 1.5						
Bearings K & H are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Chords		Tens.Comp.		Chords		Tens. Comp.	
A - B		73 -951		E - F		53 -506	
B - C		53 -506		F - G		73 -953	

Lumber

Top chord 2x4 SP M-31
Bot chord 2x8 SP M-31 :B2 2x4 SP M-31:
Webs 2x4 SP M-31

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 2.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Loading

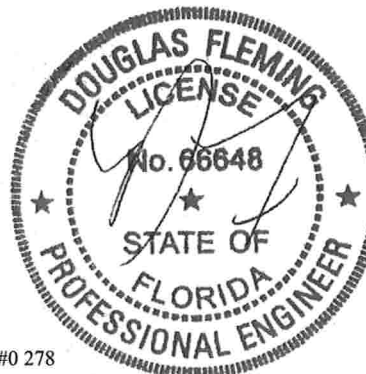
Attic room loading from 2-0-1 to 8-0-1: Live Load: 40
PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:
10 PSF

Purlins

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

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.



#0 278

04/14/2017

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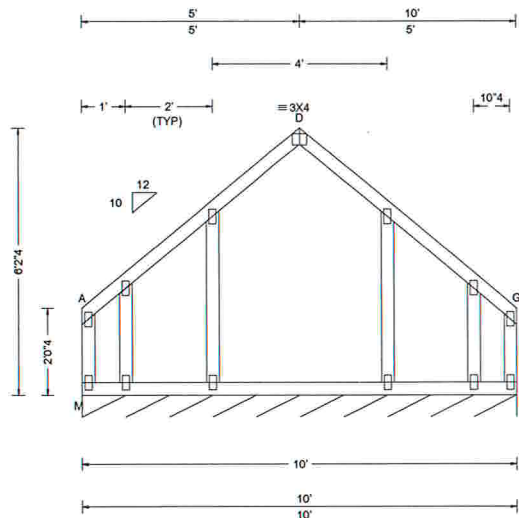
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: G08

Ply: 1
Qty: 1

SEQN: 455492 / T91 GABL
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.33467
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 D 999 240 VERT(TL): 0.035 D 999 180 HORZ(LL): -0.068 A - - HORZ(TL): -0.132 A - - Creep Factor: 1.5 Max TC CSI: 0.072 Max BC CSI: 0.040 Max Web CSI: 0.048 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W H* 86 / 12 / 49 / - / 12 / 120 Wind reactions based on MWFRS M Min Brg Width Req = - Bearing M is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

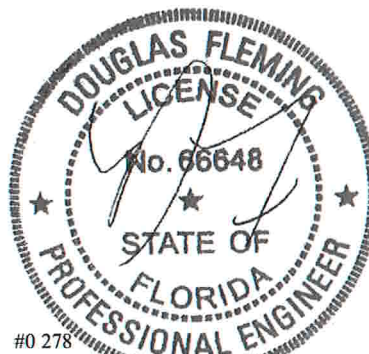
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing and other requirements.



04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

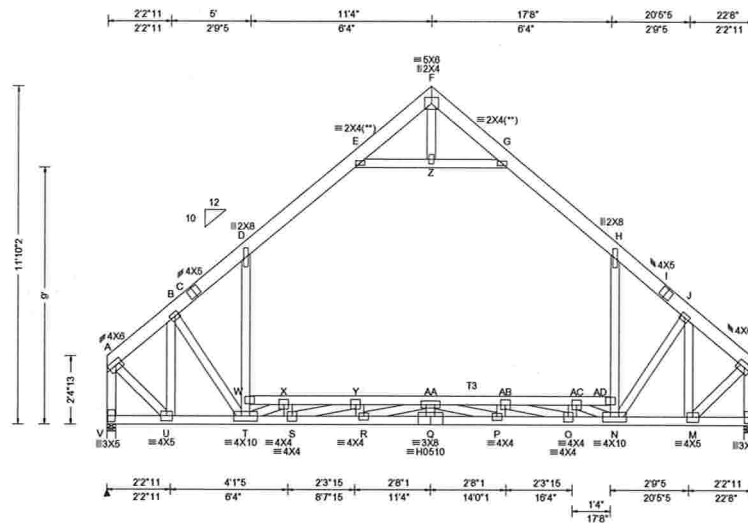
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: G06	Ply: 1 Qty: 1	SEQN: 467703 / T54 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1305.29900 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GCpt: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.280 Q 972 240 VERT(TL): 0.672 Q 404 180 HORZ(LL): 0.177 D - - HORZ(TL): 0.500 D - - Creep Factor: 1.5 Max TC CSI: 0.458 Max BC CSI: 0.563 Max Web CSI: 0.213 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W V 1851 / 136 / 554 / - / 281 / 3.5 L 1851 / 136 / 554 / - / - / 3.5 Wind reactions based on MWFRS V Min Brg Width Req = 1.5 L Min Brg Width Req = 1.5 Bearings V & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord 2x6 SP M-31 :T3 2x4 SP M-31:
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes
All plates are 3X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

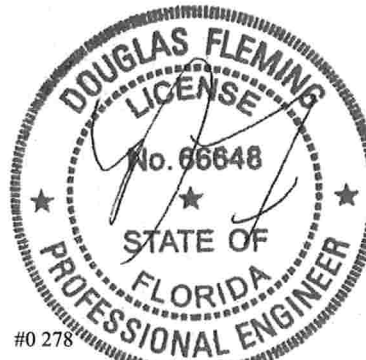
Loading
Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	1076 -210	Q - P	4423 -51
T - S	2445 -368	P - O	3898 -69
S - R	3898 -171	O - N	2435 -111
R - Q	4423 -51	N - M	1076 -128

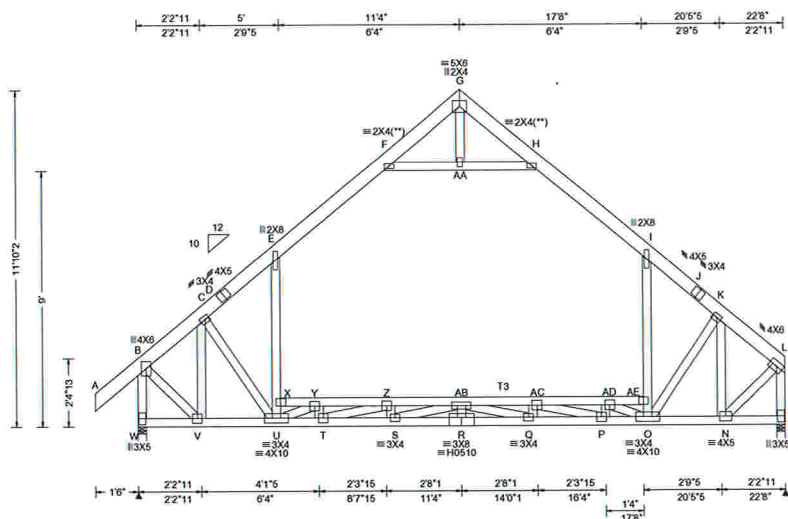
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - V	240 -1824	Z - G	420 -1474
A - U	1424 -169	AA - P	166 -584
U - B	109 -957	AA - AB	116 -2914
D - W	881 -49	AB - O	161 -1529
T - X	86 -1496	AB - AC	368 -1621
W - T	838 -49	O - AC	537 -67
X - S	537 -60	AC - N	103 -1496
X - Y	339 -1621	AD - N	838 -49
S - Y	159 -1529	AD - H	881 -50
E - Z	420 -1474	J - M	109 -957
Y - AA	89 -2913	M - K	1424 -169
R - AA	177 -584	K - L	240 -1824



#0 278
04/14/2017

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.280 R 971 240	W 1961 / 159 / 648 /- / 328 /3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.669 R 406 180	M 1847 / 138 / 554 /- / - /3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.174 E - -	Wind reactions based on MWFRS
	EXP: C		HORZ(TL): 0.489 E - -	W Min Brg Width Req = 1.6
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 1.5	M Min Brg Width Req = 1.5
NCBCLL: 10.00	TCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.457	Bearings W & M are a rigid surface.
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2007	Max BC CSI: 0.563	Members not listed have forces less than 375#
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Factors Used: Yes	Max Web CSI: 0.218	Maximum Top Chord Forces Per Ply (lbs)
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	Loc. from endwall: Any	Plate Type(s):		
	GCpi: 0.18	WAVE, HS		
	Wind Duration: 1.60		VIEW Ver: 16.02.01B.0131.17	B - C 244 - 1338 H - I 299 - 1256

Lumber

Top chord 2x6 SP M-31 :T3 2x4 SP M-31:
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 4X4 except as noted.

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

Loading

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

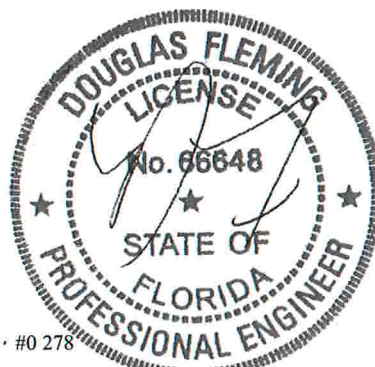
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



04/14/2017

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	1053	- 218	R - Q	4416	- 57
U - T	2426	- 376	Q - P	3898	- 69
T - S	3884	- 177	P - O	2438	- 112
S - R	4416	- 57	O - N	1074	- 129

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - W	320 - 1933	AA- H	428 - 1466
B - V	1395 - 121	AB- G	169 - 578
V - C	74 - 942	AB-AC	117 - 2917
E - X	872 - 59	AC- P	164 - 1522
U - Y	88 - 1490	AC-AD	371 - 1632
X - U	830 - 58	P-AD	539 - 68
Y - T	534 - 61	AD- O	104 - 1499
Y - Z	346 - 1605	AE- O	838 - 50
T - Z	161 - 1536	AE- I	880 - 51
F-AA	428 - 1466	K - N	113 - 952
Z -AB	92 - 2905	N - L	1422 - 171
S-AB	178 - 590	L - M	242 - 1821

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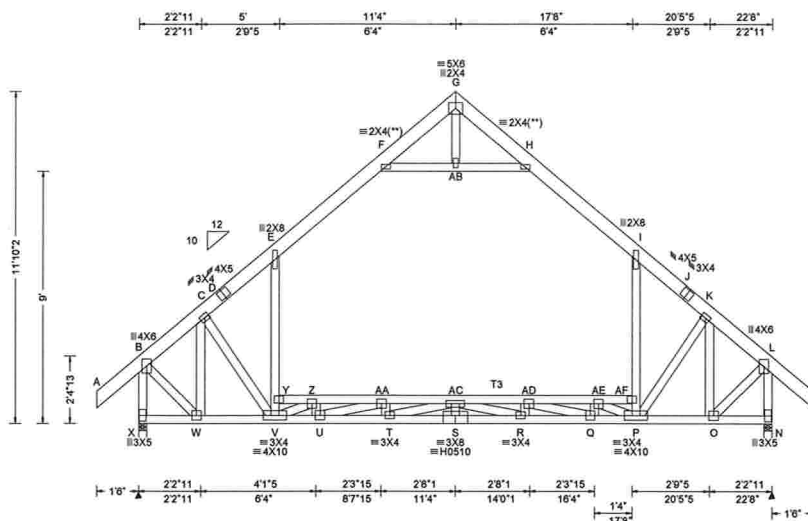


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: G02

Ply: 1
Qty: 2

SEQN: 468428 / T49 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.09723
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCp: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.280 S 971 240
VERT(TL): 0.666 S 408 180
HORZ(LL): 0.178 E - -
HORZ(TL): 0.493 E - -
Creep Factor: 1.5
Max TC CSI: 0.455
Max BC CSI: 0.563
Max Web CSI: 0.213

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)
Loc R / U / Rw / Rh / RL / W
X 1958 / 160 / 646 / - / 352 / 3.5
N 1958 / 160 / 646 / - / 3.5
Wind reactions based on MWFRS
X Min Brg Width Req = 1.6
N Min Brg Width Req = 1.6
Bearings X & N are a rigid surface.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - C 246 -1336 H - I 300 -1253
C - D 294 -1858 I - J 308 -1824
D - E 308 -1824 J - K 294 -1858
E - F 300 -1253 K - L 245 -1336

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
W - V 1051 -264 S - R 4409 -21
V - U 2431 -420 R - Q 3884 -35
U - T 3884 -219 Q - P 2419 -98
T - S 4409 -21 P - O 1051 -93

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
B - X 322 -1930 AB - H 433 -1458
B - W 1392 -124 AC - R 168 -584
W - C 77 -937 AC - AD 122 -2909
E - Y 872 -59 AD - Q 166 -1529
V - Z 86 -1494 AD - AE 379 -1616
Y - V 829 -59 Q - AE 536 -69
Z - U 536 -60 AE - P 108 -1494
Z - AA 344 -1616 AF - P 829 -59
U - AA 163 -1529 AF - I 872 -60
F - AB 433 -1458 K - O 79 -937
AA - AC 88 -2909 O - L 1393 -125
T - AC 182 -584 L - N 320 -1930

Lumber

Top chord 2x6 SP M-31 :T3 2x4 SP M-31:
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 4X4 except as noted.

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

Loading

Attic room loading from 5-0-0 to 17-8-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

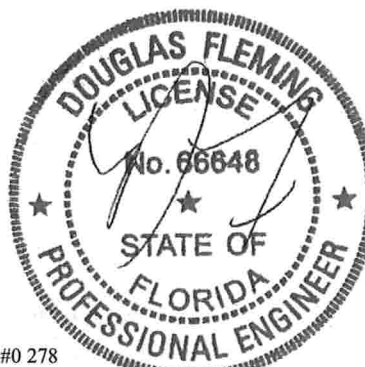
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

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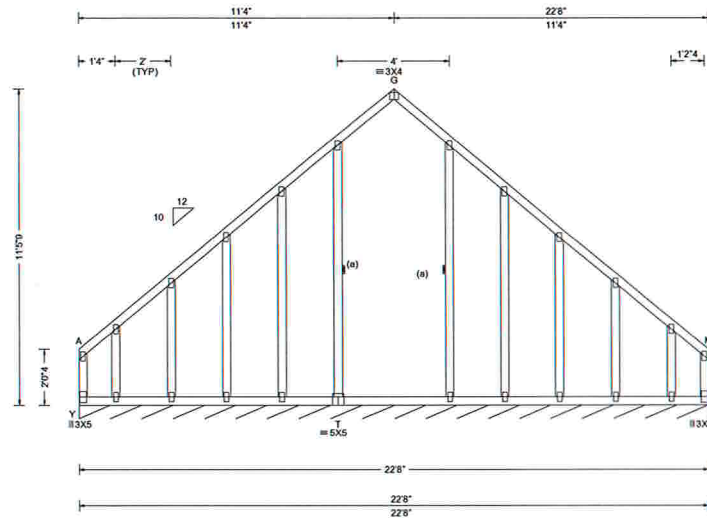
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: G01

Ply: 1
Qty: 1

SEQN: 455490 / T85 GABL
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.55213
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.047 G 999 240
VERT(TL): 0.077 G 999 180
HORZ(LL): 0.163 M - -
HORZ(TL): 0.311 M - -
Creep Factor: 1.5
Max TC CSI: 0.204
Max BC CSI: 0.097
Max Web CSI: 0.109

VIEW Ver: 16.01.00D.0413.17

▲ Maximum Reactions (lbs), or *PLF
Loc R / U / Rw / Rh / RL / W
N* 86 / 12 / 49 / - / 12 / 271
Wind reactions based on MWFRS
Y Min Brg Width Req = -
Bearing Y is a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

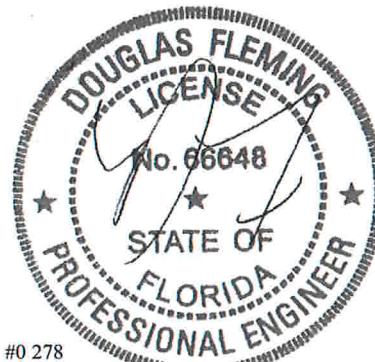
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing and other requirements.



#0 278

04/14/2017

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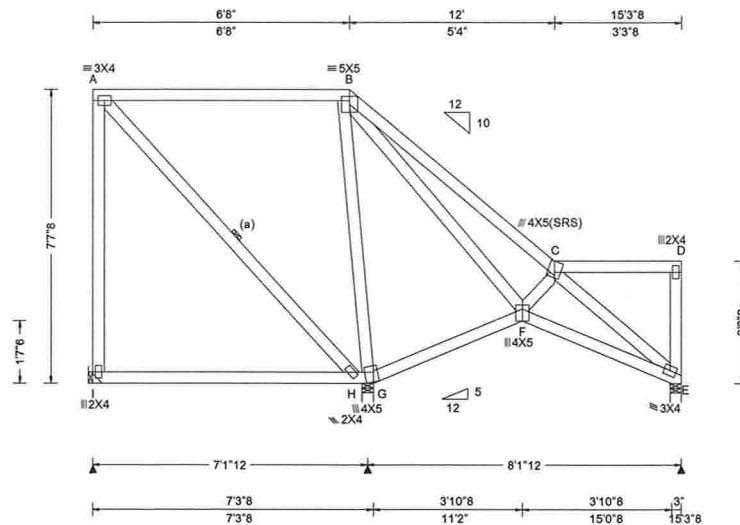
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Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: D07	Ply: 1 Qty: 1	SEQN: 455441 / T10 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1304.49213 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 F 999 240 VERT(TL): 0.033 H 999 180 HORZ(LL): 0.009 A - - HORZ(TL): 0.033 A - - Max TC CSI: 0.360 Max BC CSI: 0.175 Max Web CSI: 0.319 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W I 287 / 62 / 156 / - / 125 / - H 830 / 170 / 428 / - / - / 3.5 E 282 / 10 / 205 / - / - / 3.5 Wind reactions based on MWFRS I Min Brg Width Req = - H Min Brg Width Req = 1.5 E Min Brg Width Req = 1.5 Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing I (0', 10') LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

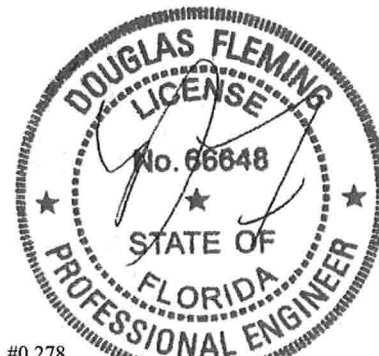
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Shim all supports to solid bearing.



#0 278

04/14/2017

B - C 0 - 454

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

F - E 424 0

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

B - G 232 -582 C - E 0 -478

B - F 483 -59

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

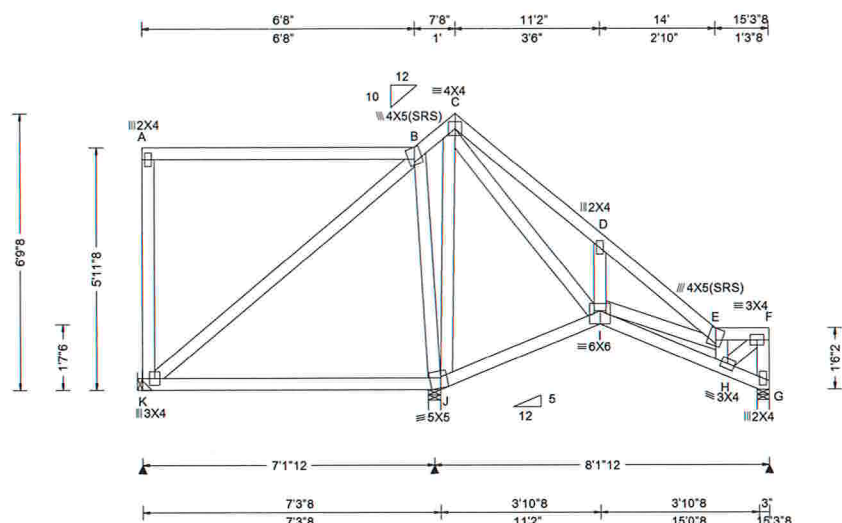
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: D06	Ply: 1 Qty: 1	SEQN: 455379 / T13 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1304.45150 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 \"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 240 VERT(TL): 0.015 D 999 180 HORZ(LL): 0.004 G - - HORZ(TL): 0.011 G - - Creep Factor: 1.5 Max TC CSI: 0.360 Max BC CSI: 0.187 Max Web CSI: 0.202 VIEW Ver: 16.01.00D.0413.17	Loc R /U /Rw /Rh /RL /W K 227 /84 /71 /- /128 /- J 952 /116 /583 /- /- /3.5 G 216 /11 /117 /- /- /3.5 Wind reactions based on MWFRS K Min Brg Width Req = - J Min Brg Width Req = 1.5 G Min Brg Width Req = 1.5 Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing K (0', 10') LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

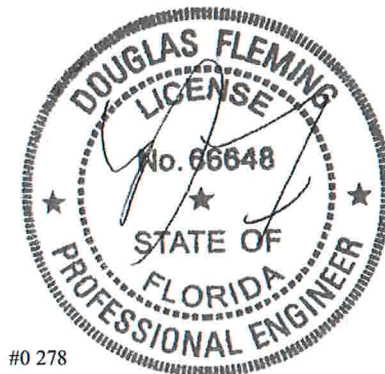
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Shim all supports to solid bearing.



#0 278

04/14/2017

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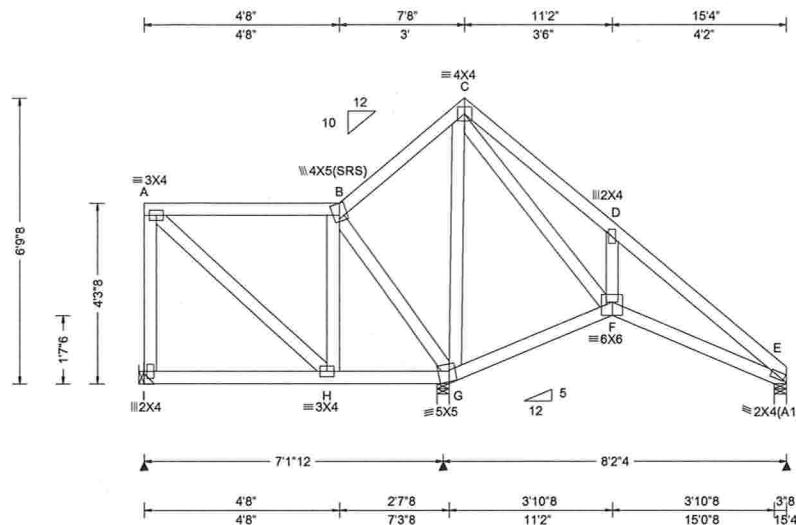
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: D05

Ply: 1
Qty: 1

SEQN: 455378 / T17 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.43370
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 240 VERT(TL): 0.015 D 999 180 HORZ(LL): 0.004 F - - HORZ(TL): 0.011 F - - Creep Factor: 1.5 Max TC CSI: 0.161 Max BC CSI: 0.061 Max Web CSI: 0.230 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W I 233 / 82 / 108 / - / 148 / - G 915 / 92 / 517 / - / - / 3.5 E 245 / 31 / 163 / - / - / 3.5 Wind reactions based on MWFRS I Min Brg Width Req = - G Min Brg Width Req = 1.5 E Min Brg Width Req = 1.5 Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. G - C 52 -581 C - F 488 -128

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing I (0', 10') LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

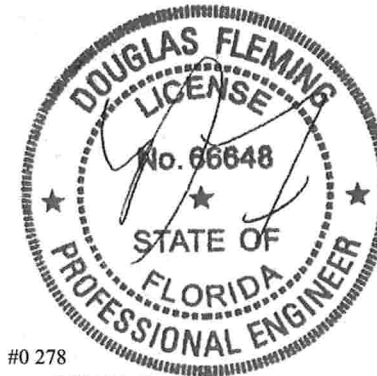
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Shim all supports to solid bearing.

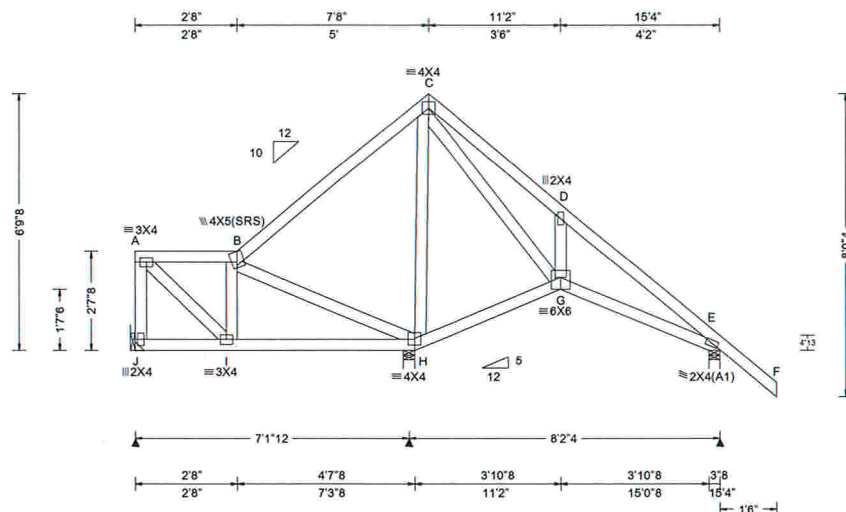


#0 278
04/14/2017

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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: D04	Ply: 1 Qty: 1	SEQN: 468448 / T11 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1304.42197 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 240 VERT(TL): 0.015 D 999 180 HORZ(LL): 0.004 G - - HORZ(TL): 0.011 G - - Creep Factor: 1.5 Max TC CSI: 0.216 Max BC CSI: 0.068 Max Web CSI: 0.258 VIEW Ver: 16.02.01B.0131.17	Loc R /U /Rw /Rh /RL /W J 228 /64 /119 /- /195 /- H 928 /71 /559 /- /- /3.5 E 350 /77 /275 /- /- /3.5 Wind reactions based on MWFRS J Min Brg Width Req = - H Min Brg Width Req = 1.5 E Min Brg Width Req = 1.5 Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing J (0', 10') LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

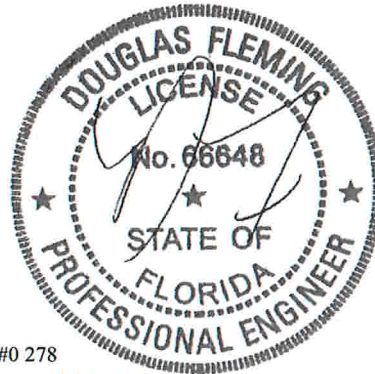
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Shim all supports to solid bearing.



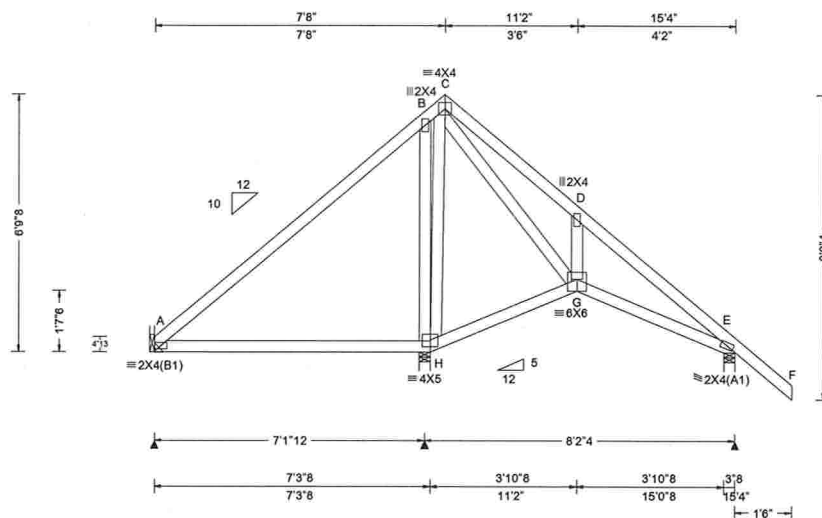
#0 278

04/14/2017

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Job Number: 16-0982	Ply: 1	SEQN: 468446 / T15	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1304.40830	
Truss Label: D03				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 H 999 240 VERT(TL): 0.019 H 999 180 HORZ(LL): 0.008 H - - HORZ(TL): 0.022 H - - Creep Factor: 1.5 Max TC CSI: 0.238 Max BC CSI: 0.166 Max Web CSI: 0.276 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 290 / 63 / 144 / - / 237 / - H 815 / 46 / 479 / - / - / 3.5 E 396 / 93 / 305 / - / - / 3.5 Wind reactions based on MWFRS A Min Brg Width Req = - H Min Brg Width Req = 1.5 E Min Brg Width Req = 1.5 Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord 2x4 SP M-31
 Bot chord 2x4 SP M-31
 Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

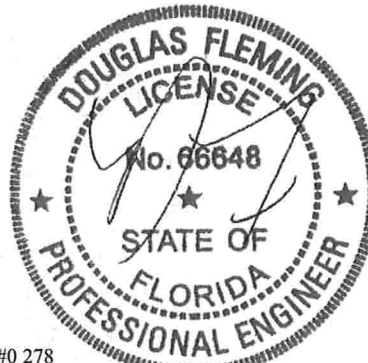
Bearing A (0', 10') LUS26
 Supporting Member: (1)2x6 SP M-31
 (4) 0.148"x3" nails into supporting member,
 (3) 0.148"x3" nails into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Shim all supports to solid bearing.



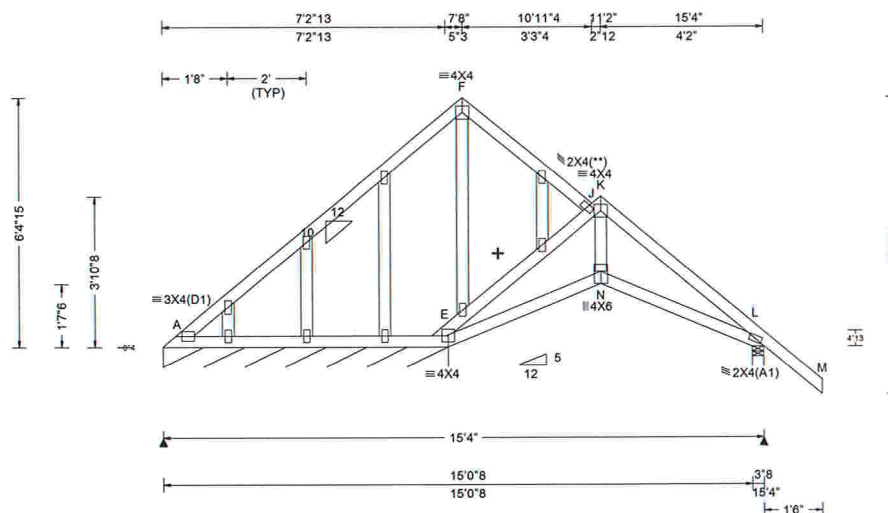
#0 278

04/14/2017

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 AN ITW COMPANY
 2400 Lake Orange Dr.
 Suite 150
 Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: D02	Ply: 1 Qty: 1	SEQN: 468444 / T14 FROM: CDM	GABL Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1304.17923 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.011 H 999 240 VERT(TL): 0.028 H 999 180 HORZ(LL): 0.009 H - - HORZ(TL): 0.024 H - - Creep Factor: 1.5 Max TC CSI: 0.078 Max BC CSI: 0.065 Max Web CSI: 0.054 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A* 133 / 16 / 82 / - / 32 / 87.5 L 466 / 72 / 328 / - / - / 3.5 Wind reactions based on MWFRS A Min Brg Width Req = - L Min Brg Width Req = 1.5 Bearings A & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. E - J 64 -599 K - L 12 -531 J - K 9 -385

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

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

Wind

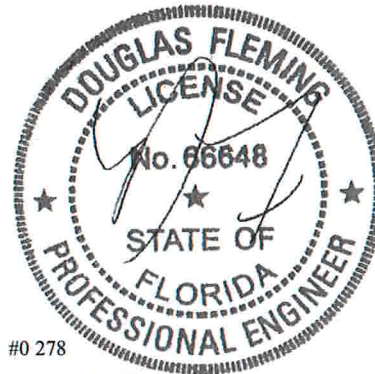
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.

Laterally brace TC below filler @ 24" O.C. (or as designed) including a brace on TC directly above both ends of filler (if no rigid diaphragm exists at that point)

+ Member to be laterally braced for horizontal wind load. Bracing system to be designed and furnished by others.



#0 278

04/14/2017

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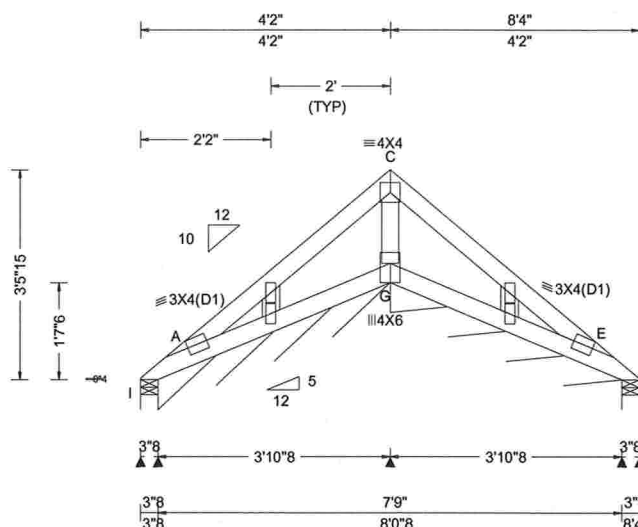
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: D01

Ply: 1
Qty: 1

SEQN: 462438 / T6 GABL
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.16780
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.001 H 999 240
VERT(TL): 0.001 H 999 180
HORZ(LL): -0.000 F - -
HORZ(TL): 0.001 H - -
Creep Factor: 1.5
Max TC CSI: 0.022
Max BC CSI: 0.015
Max Web CSI: 0.010

VIEW Ver: 16.01.00D.0413.16

▲ Maximum Reactions (lbs), or *=PLF
Loc R / U / Rw / Rh / RL / W

Loc	R	U	Rw	Rh	RL	W
I	84	/42	/84	/-	/89	/3.5
I*	92	/10	/80	/-	/-	/46.5
G*	50	/18	/42	/-	/-	/46.5
E	93	/3	/41	/-	/-	/3.5

Wind reactions based on MWFRS

I Min Brg Width Req = 1.5

I Min Brg Width Req = -

G Min Brg Width Req = -

E Min Brg Width Req = 1.5

Bearings I, I, G, & E are a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

Wind

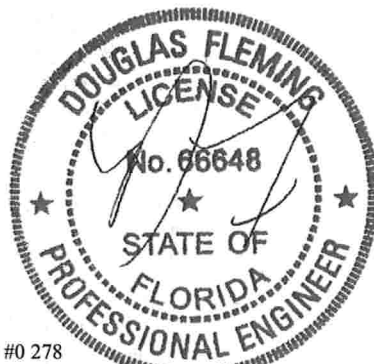
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

See DWGS A14015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.

Shim all supports to solid bearing.



#0 278

04/14/2017

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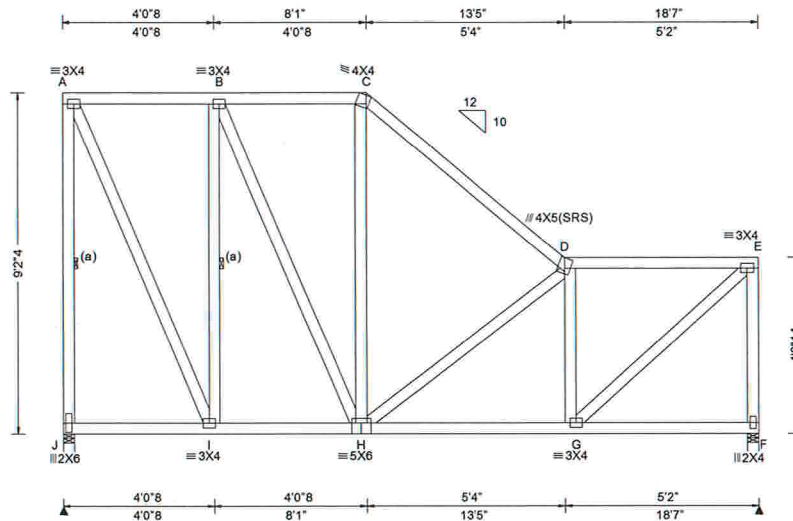
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C13

Ply: 1
Qty: 1

SEQN: 455381 / T80 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.13883
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	J	799	/181	/450	/-	/125	/3.5
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.015 D 999 240	F	799	/88	/434	/-	/-	/3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.042 D 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 A - -	J	Min Brg Width Req = 1.5					
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.010 A - -	F	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 16.96 ft		Creep Factor: 1.5	Bearings J & F are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.156	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.162	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.231	Chords Tens.Comp. Chords Tens. Comp.						
	C&C Dist a: 3.00 ft		VIEW Ver: 16.01.00D.0413.17	B - C	162	-424	D - E	123	-685	
	Loc. from endwall: not in 9.00 ft			C - D	144	-670				
	GCpi: 0.18			Maximum Bot Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60			Chords Tens.Comp. Chords Tens. Comp.						
				H - G	718	-131				

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

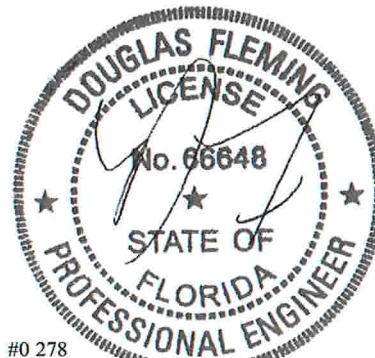
Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

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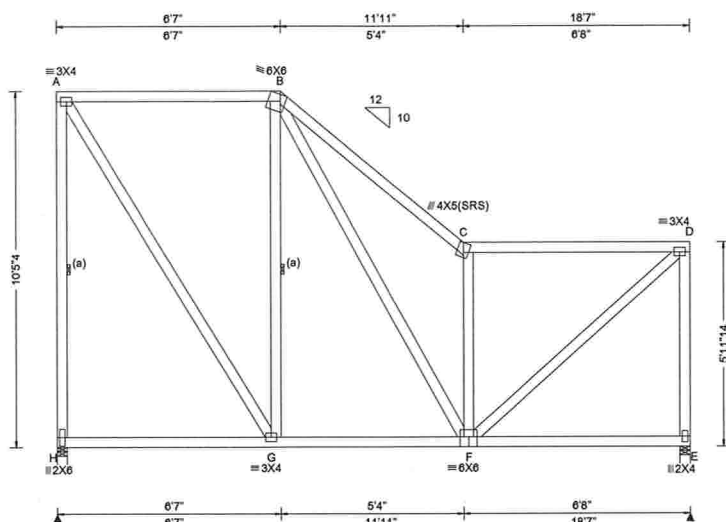
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468297 / T45	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1304.12583	
Truss Label: C12				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 18.21 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.025 C 999 240 VERT(TL): 0.069 C 999 180 HORZ(LL): -0.010 D - - HORZ(TL): -0.029 D - - Creep Factor: 1.5 Max TC CSI: 0.293 Max BC CSI: 0.167 Max Web CSI: 0.370 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W H 799 / 188 / 463 / - / 124 / 3.5 E 799 / 86 / 421 / - / - / 3.5 Wind reactions based on MWFRS H Min Brg Width Req = 1.5 E Min Brg Width Req = 1.5 Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 263 -971 C - D 96 -636

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

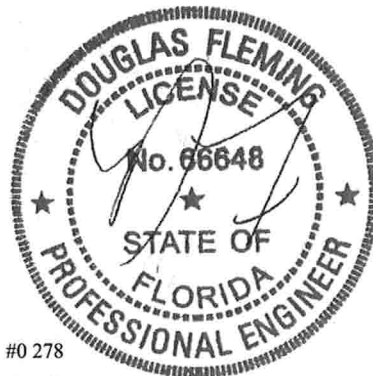
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	302 -748	C - F	322 -976
A - G	664 -258	F - D	844 -127
G - B	238 -429	D - E	168 -743
B - F	626 -247		



#0 278

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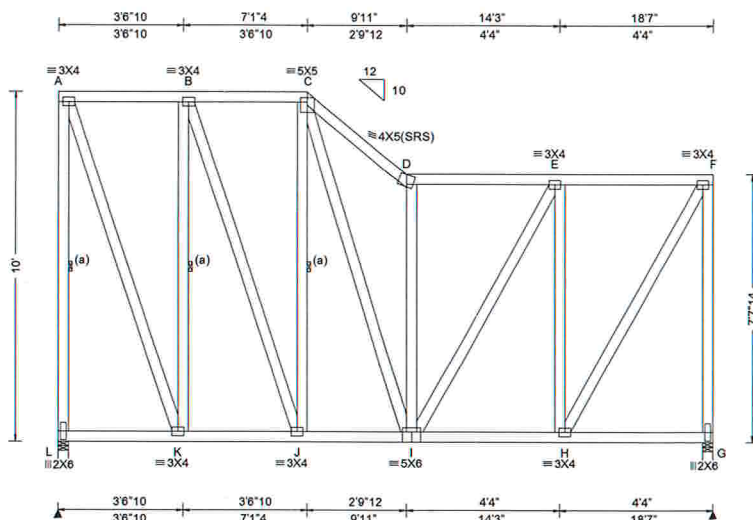
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C11

Ply: 1
Qty: 1

SEQN: 468294 / T82
FROM: CDM

COMN
Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.11487
KM / DF 04/14/2017



Loading Criteria (psf)
TCCL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 18.83 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.023 D 999 240
VERT(TL): 0.063 D 999 180
HORZ(LL): -0.007 F - -
HORZ(TL): -0.019 F - -
Creep Factor: 1.5
Max TC CSI: 0.110
Max BC CSI: 0.102
Max Web CSI: 0.421

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)

Loc R / U / Rw / Rh / RL / W

L 799 / 176 / 427 / - / 64 / 3.5
G 799 / 138 / 399 / - / - / 3.5

Wind reactions based on MWFRS

L Min Brg Width Req = 1.5
G Min Brg Width Req = 1.5
Bearings L & G are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

C - D 203 - 730 D - E 99 - 506

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

I - H 391 - 88

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - L 284 - 771 D - I 218 - 634

A - K 712 - 248 E - H 157 - 549

K - B 247 - 599 H - F 748 - 166

C - I 514 - 194 F - G 200 - 767

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

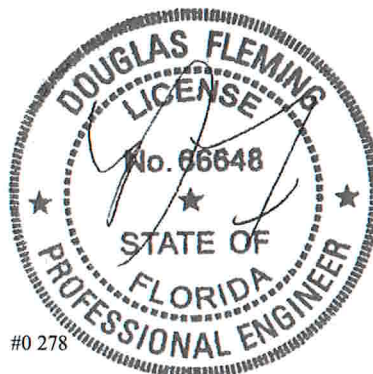
Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



04/14/2017

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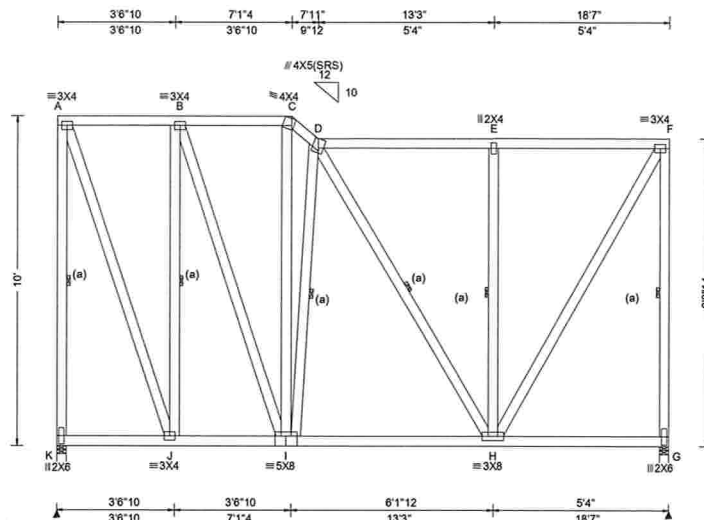
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AN ITW COMPANY
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Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: C10	Ply: 1 Qty: 1	SEQN: 468291 / T60 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1304.10340 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 19.66 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 D 999 240 VERT(TL): 0.044 D 999 180 HORZ(LL): -0.005 F - - HORZ(TL): -0.014 F - - Creep Factor: 1.5 Max TC CSI: 0.161 Max BC CSI: 0.165 Max Web CSI: 0.235 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W K 799 / 198 / 395 / - / 17 / 3.5 G 799 / 189 / 386 / - / - / 3.5 Wind reactions based on MWFRS K Min Brg Width Req = 1.5 G Min Brg Width Req = 1.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. C - D 148 - 503

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

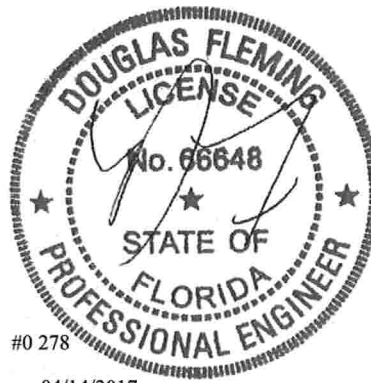
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp.
I - H 409 - 108

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
A - K 260 - 769 E - H 172 - 418
A - J 710 - 221 H - F 722 - 193
J - B 219 - 604 F - G 233 - 759
I - D 174 - 431



04/14/2017

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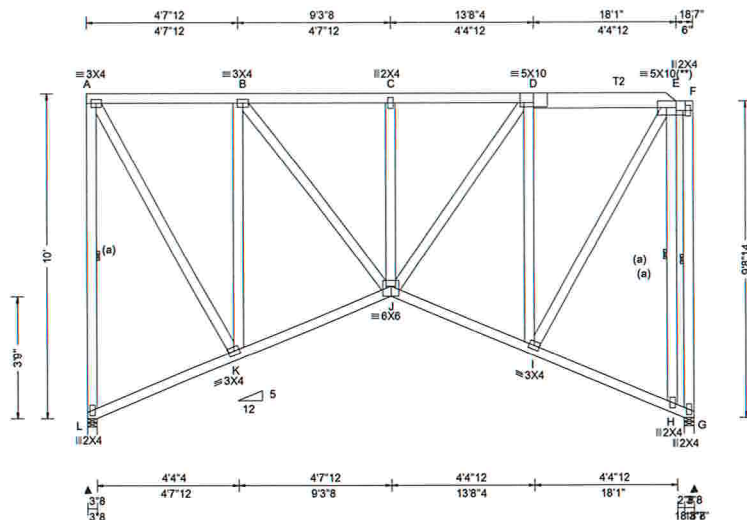
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C09

Ply: 1
Qty: 1

SEQN: 468288 / T8
FROM: CDM

COMN

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.06860
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R	/ U	/Rw	/Rh	/RL	/ W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.027 C 999 240	L	758	/197	/389	/-	/-	/3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.070 C 999 180	G	741	/170	/394	/-	/-	/3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 G - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.063 G - -	L	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 19.87 ft		Creep Factor: 1.5	G	Min Brg Width Req = 1.5					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.195	Bearings L & G are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.125	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60		Max Web CSI: 0.407							
			VIEW Ver: 16.02.01B.0131.17	B - C	160	-608	D - E	107	-382	

Lumber

Top chord 2x4 SP M-31 :T2 2x6 SP M-31:
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

Wind loads based on MWFRS with additional C&C member design.

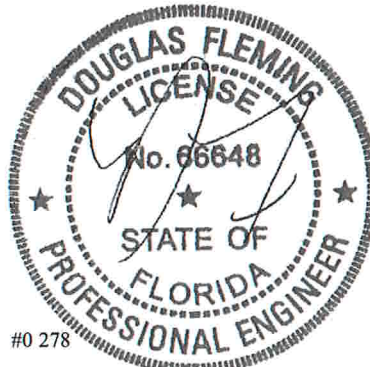
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	414 -99	J - I	420 -99

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	231 -720	J - D	388 -97
A - K	697 -192	I - D	223 -656
K - B	222 -637	I - E	762 -214
B - J	399 -99	F - G	135 -527



04/14/2017

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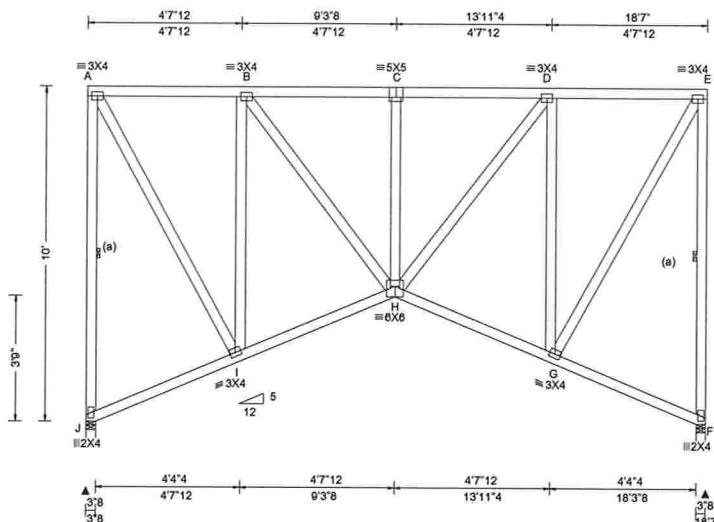
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C08

Ply: 1
Qty: 3

SEQN: 468285 / T31 FLAT
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.05340
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 20.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.020 C 999 240
VERT(TL): 0.051 C 999 180
HORZ(LL): 0.018 F - -
HORZ(TL): 0.047 F - -
Creep Factor: 1.5
Max TC CSI: 0.126
Max BC CSI: 0.115
Max Web CSI: 0.409

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
J	759	/ 199	/ 389	/ -	/ -	/ 3.5
F	759	/ 199	/ 389	/ -	/ -	/ 3.5
Wind reactions based on MWFRS						
J	Min Brg Width Req = 1.5					
F	Min Brg Width Req = 1.5					
Bearings J & F are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords		Tens.Comp.		Chords		Tens. Comp.
B - C		159 -609		C - D		159 -609

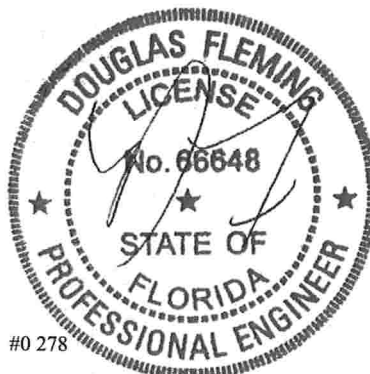
Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.
I - H	415 -100	H - G	415 -100				

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Tens. Comp.	Webs	Tens. Comp.	Webs	Tens. Comp.
A - J	232 -720	H - D	401 -98				
A - I	698 -193	D - G	223 -641				
I - B	223 -641	G - E	698 -193				
B - H	401 -98	E - F	232 -720				



04/14/2017

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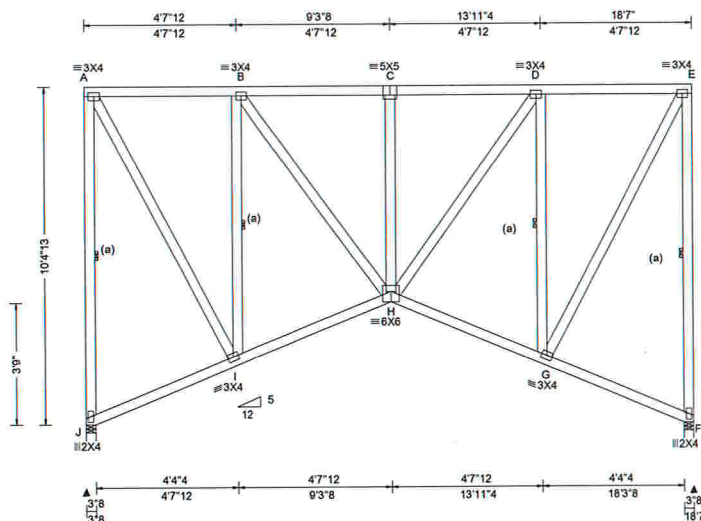
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C07

Ply: 1
Qty: 1

SEQN: 455391 / T42 FLAT
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.04093
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0"

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 20.40 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.020 C 999 240
VERT(TL): 0.050 C 999 180
HORZ(LL): 0.018 F - -
HORZ(TL): 0.046 F - -
Creep Factor: 1.5
Max TC CSI: 0.126
Max BC CSI: 0.113
Max Web CSI: 0.201

VIEW Ver: 16.01.00D.0413.17

▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
J	759	/204	/389	/-	/-	/3.5
F	759	/204	/389	/-	/-	/3.5

Wind reactions based on MWFRS
J Min Brg Width Req = 1.5
F Min Brg Width Req = 1.5
Bearings J & F are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	150 -571	C - D	150 -571

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	396 -95	H - G	396 -95

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	233 -720	H - D	383 -94
A - I	690 -192	D - G	223 -634
I - B	223 -634	G - E	690 -192
B - H	383 -94	E - F	233 -720

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

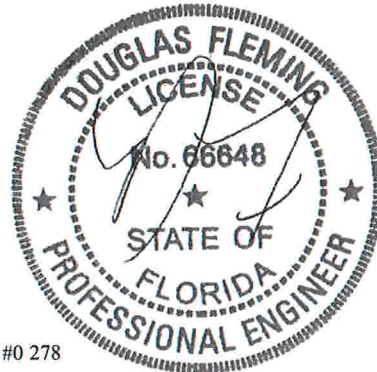
Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.



#0 278

04/14/2017

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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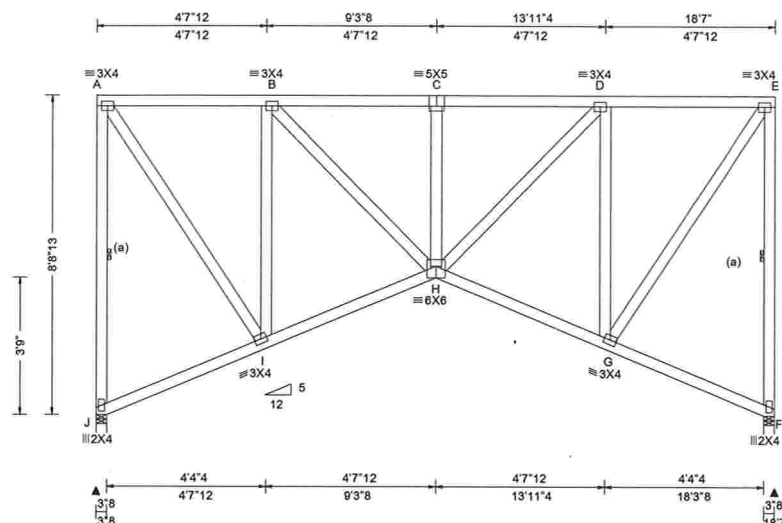
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 455395 / T43	FLAT	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1304.02927	
Truss Label: C06				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.021 C 999 240	J 759 / 183 / 389 / - / - / 3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.055 C 999 180	F 759 / 183 / 389 / - / - / 3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 F - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.052 F - -	J Min Brg Width Req = 1.5
NCBCLL: 10.00	Mean Height: 18.73 ft		Creep Factor: 1.5	F Min Brg Width Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.126	Bearings J & F are a rigid surface.
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.121	
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.301	
	C&C Dist a: 3.00 ft			
	Loc. from endwall: not in 9.00 ft			
	GCPI: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria	VIEW Ver: 16.01.00D.0413.17	
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: Yes		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE		

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.

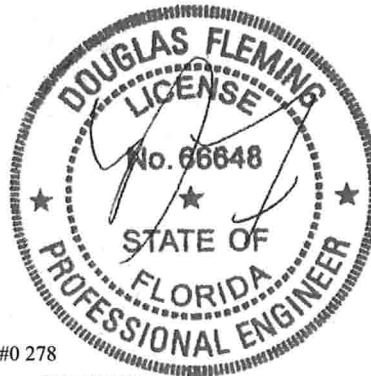
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	492 - 118	H - G	492 - 118

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	226 - 720	H - D	483 - 116
A - I	733 - 198	D - G	227 - 671
I - B	227 - 671	G - E	733 - 198
B - H	483 - 116	E - F	226 - 720



#0 278

04/14/2017

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Orlando FL, 32837

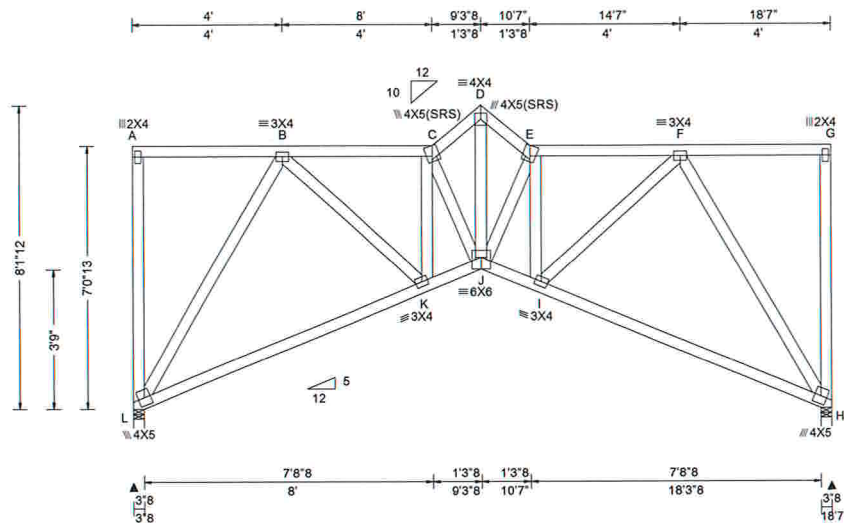
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C05

Ply: 1
Qty: 1

SEQN: 455396 / T1
FROM: CDM

COMN

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.01573
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 17.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.032 J 999 240 VERT(TL): 0.088 J 999 180 HORZ(LL): 0.034 H - - HORZ(TL): 0.095 H - - Creep Factor: 1.5 Max TC CSI: 0.115 Max BC CSI: 0.322 Max Web CSI: 0.598 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W L 815 / 138 / 410 / - / 31 / 3.5 H 815 / 138 / 410 / - / - / 3.5 Wind reactions based on MWFRS L Min Brg Width Req = 1.5 H Min Brg Width Req = 1.5 Bearings L & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 252 - 1047 D - E 322 - 1220 C - D 322 - 1220 E - F 252 - 1047

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

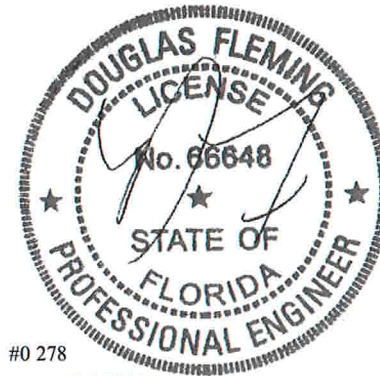
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C
member design.
End verticals not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	574 - 153	J - I	1136 - 266
K - J	1136 - 266	I - H	574 - 153

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	275 - 985	J - E	93 - 379
B - K	769 - 158	E - I	204 - 552
K - C	204 - 552	I - F	769 - 158
C - J	93 - 379	F - H	275 - 985
D - J	1399 - 365		



#0 278

04/14/2017

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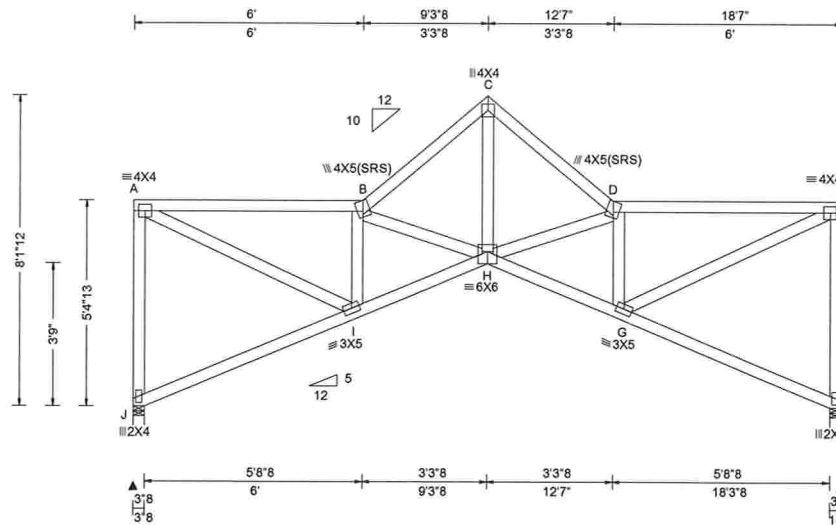
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C04

Ply: 1
Qty: 1

SEQN: 455397 / T20 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1304.00157
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 16.77 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.046 H 999 240
VERT(TL): 0.129 H 999 180
HORZ(LL): 0.045 F - -
HORZ(TL): 0.125 F - -
Creep Factor: 1.5
Max TC CSI: 0.257
Max BC CSI: 0.208
Max Web CSI: 0.210

VIEW Ver: 16.01.00D.0413.17

Maximum Reactions (lbs)
Loc R / U / Rw / Rh / RL / W
J 815 / 146 / 434 / - / 81 / 3.5
F 815 / 146 / 434 / - / - / 3.5
Wind reactions based on MWFRS
J Min Brg Width Req = 1.5
F Min Brg Width Req = 1.5
Bearings J & F are a rigid surface.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
A - B 302 - 1214 C - D 337 - 1311
B - C 338 - 1311 D - E 302 - 1214

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
I - H 1414 - 339 H - G 1414 - 340

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
A - J 221 - 761 H - D 144 - 389
A - I 1350 - 335 D - G 302 - 1010
I - B 302 - 1010 G - E 1350 - 336
B - H 144 - 389 E - F 221 - 761
C - H 1413 - 348

Lumber

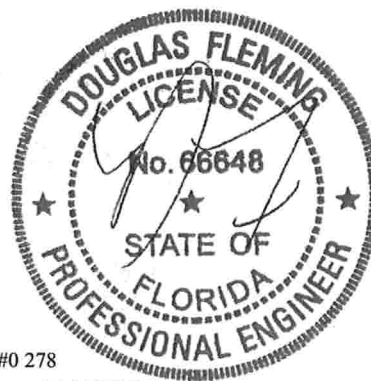
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C
member design.
End verticals not exposed to wind pressure.



#0 278

04/14/2017

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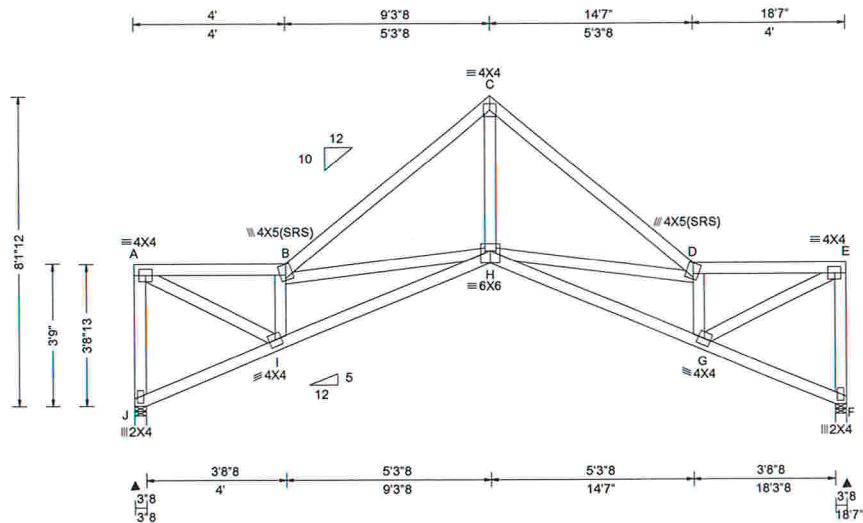
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: C03

Ply: 1
Qty: 1

SEQN: 455398 / T24 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.58863
KM / DF 04/14/2017



Loading Criteria (psf)
TCCL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0"

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.94 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.048 H 999 240
VERT(TL): 0.134 H 999 180
HORZ(LL): 0.051 F - -
HORZ(TL): 0.143 F - -
Creep Factor: 1.5
Max TC CSI: 0.124
Max BC CSI: 0.194
Max Web CSI: 0.138

VIEW Ver: 16.01.00D.0413.17

Maximum Reactions (lbs)

Loc R / U / Rw / Rh / RL / W

J 815 / 129 / 448 / - / 132 / 3.5

F 815 / 129 / 448 / - / - / 3.5

Wind reactions based on MWFRS

J Min Brg Width Req = 1.5

F Min Brg Width Req = 1.5

Bearings J & F are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

A - B 300 - 1290 C - D 291 - 1385

B - C 292 - 1385 D - E 299 - 1290

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

I - H 1573 - 358 H - G 1573 - 357

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - J 201 - 781 H - D 204 - 444

A - I 1451 - 337 D - G 317 - 1177

I - B 317 - 1177 G - E 1451 - 336

B - H 204 - 444 E - F 201 - 781

C - H 1262 - 214

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

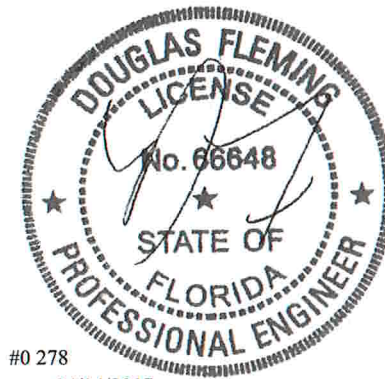
Wind

Wind loads based on MWFRS with additional C&C
member design.

End verticals not exposed to wind pressure.

Additional Notes

Full Height Blocking reinforcement required to
prevent buckling of members over the bearings:
bearing 1 located at 0.00'



#0 278

04/14/2017

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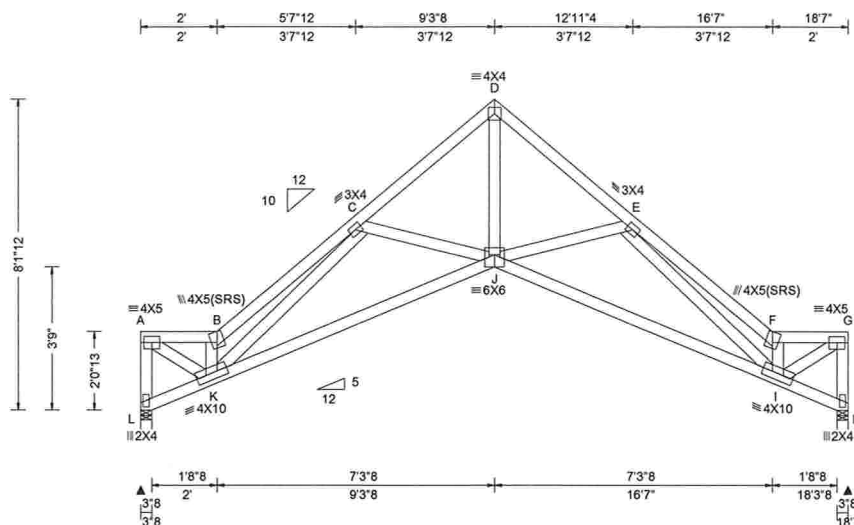
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 455399 / T9	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1303.57460	
Truss Label: C02				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.051 J 999 240	L 815 / 113 / 451 / - / 181 / 3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.141 J 999 180	H 815 / 113 / 451 / - / - / 3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.056 H - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.155 H - -	L Min Brg Width Req = 1.5
NCBCLL: 10.00	Mean Height: 15.11 ft		Creep Factor: 1.5	H Min Brg Width Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.091	Bearings L & H are a rigid surface.
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.271	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.144	
	C&C Dist a: 3.00 ft			
	Loc. from endwall: Any			
	GCpi: 0.18			
	Wind Duration: 1.60			

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

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

Wind
Wind loads based on MWFRS with additional C&C member design.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

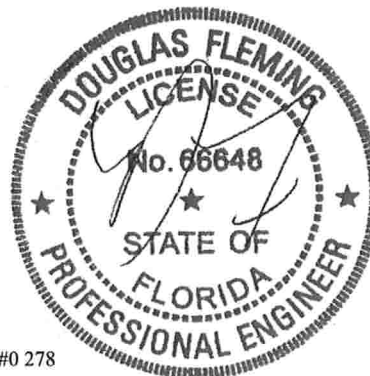
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	295	-1317	D - E	300	-1354
B - C	497	-1912	E - F	497	-1912
C - D	300	-1354	F - G	295	-1317

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	1418	-278	J - I	1418	-278

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	189	-810	F - I	380	-1346
A - K	1512	-338	I - G	1512	-338
K - B	380	-1346	G - H	189	-810
D - J	1394	-278			

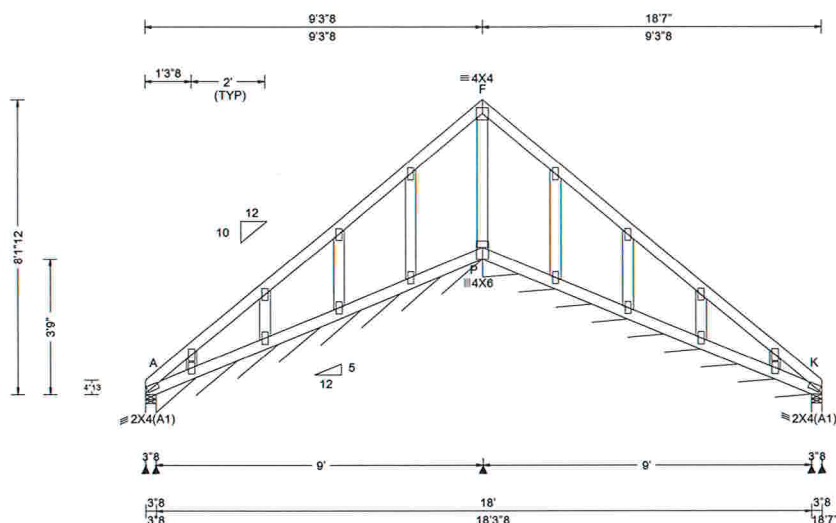


#0 278
04/14/2017

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Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.55843
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * =PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 F 999 240	A 70 /140 /188 /- /231 /3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.001 F 999 180	A* 91 /20 /90 /- /- /107
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 I - -	P* 74 /29 /65 /- /- /108
	EXP: C		HORZ(TL): 0.004 H - -	K 70 /18 /66 /- /- /3.5
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 1.5	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.021	A Min Brg Width Req = 1.5
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2007	Max BC CSI: 0.015	A Min Brg Width Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Factors Used: Yes	Max Web CSI: 0.034	P Min Brg Width Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		K Min Brg Width Req = 1.5
	Loc. from endwall: Any	Plate Type(s):		Bearings A, A, P, & K are a rigid surface.
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 16.01.00D.0413.17	Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

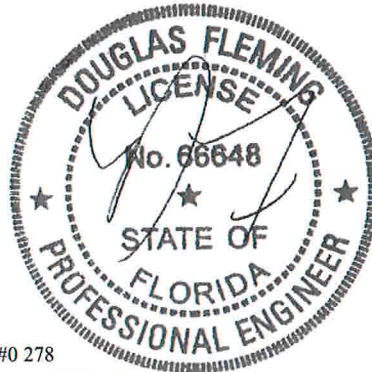
Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing and other requirements.

Shim all supports to solid bearing.



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04/14/2017

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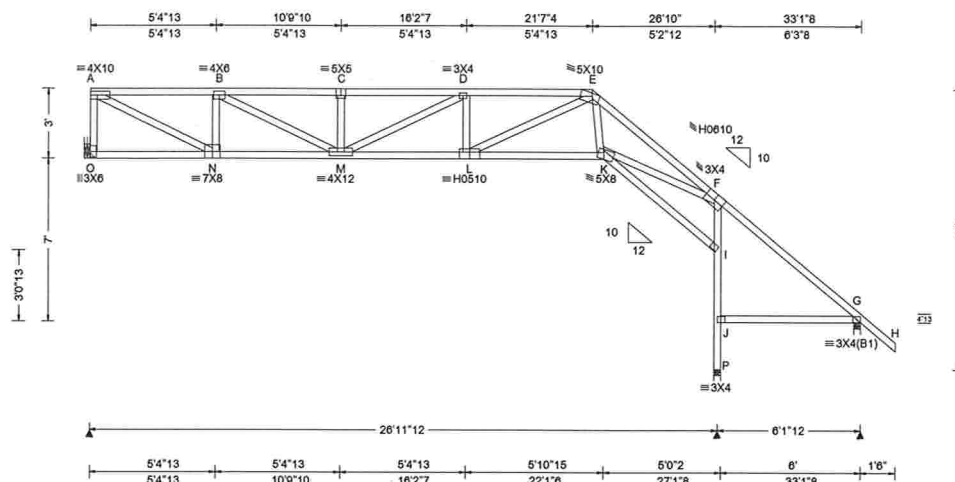
For more information see this [job's general notes page](#) and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



2400 Lake Orange Dr.
Suite 150
Orlando FL 32837

Job Number: 16-0982	Ply: 2	SEQN: 468437 / T50	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1303.53390	
Truss Label: B11				KM / DF	04/14/2017

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.246 D 999 240	O 4480 / 663 / 2154 / - / 911 / -
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.691 D 468 180	P 6058 / 225 / 3395 / - / - / 3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.168 I - -	G 1314 / 311 / 1269 / - / - / 3.5
Des Ld: 40.00	EXP: C		HORZ(TL): 0.473 I - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 1.5	O Min Brg Width Req = -
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.671	P Min Brg Width Req = 3.5
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.604	G Min Brg Width Req = 1.5
Spacing: 94.0"	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.480	Bearings P & G are a rigid surface.
	C&C Dist a: 3.31 ft			
	Loc. from endwall: not in 16.67 ft			
	GCpi: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria		
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: No		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE, HS		
			VIEW Ver: 16.02.01B.0131.17	

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 11.50" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Hangers / Ties
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:
Bearing O (0', 17") HGUS28-2
Supporting Member: (2)2x8 SP M-31
(36) 0.162"x3.5" nails into supporting member,
(6) 0.162"x3.5" nails into supported member.

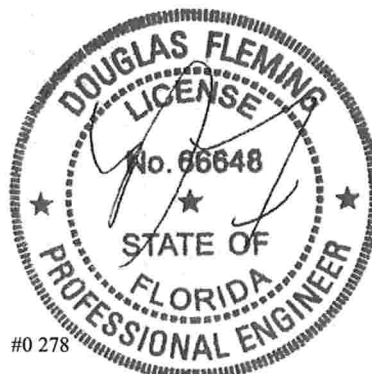
Purlins
In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.

Deflection
Max JT VERT DEFL: LL: 0.24" DL: 0.47". See detail DEFLCMB1014 for camber recommendations. Provide for adequate drainage of roof.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.	Comp.	
O - N	790	-349	L - K 3491 0
N - M	3782	-151	K - I 121 -386
M - L	5393	-392	

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.	Comp.	
A - O	560	-2147	L - E 2077 -569
A - N	4023	-916	E - K 1577 0
N - B	461	-1627	K - F 4296 0
B - M	1830	-351	F - I 453 -2595
C - M	227	-636	J - P 469 -3029
D - L	298	-733	I - J 476 -2905



#0 278

04/14/2017

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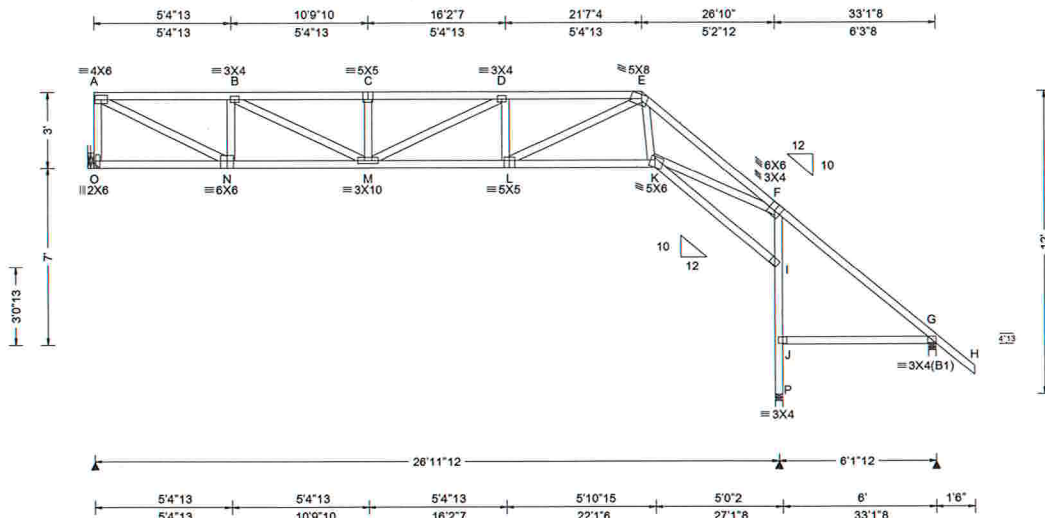
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: B10

Ply: 1
Qty: 1

SEQN: 468440 / T48 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1303.51540
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.31 ft
Loc. from endwall: not in 9.00 ft
GCpl: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.126 D 999 240
VERT(TL): 0.353 D 917 180
HORZ(LL): 0.086 I - -
HORZ(TL): 0.242 I - -
Creep Factor: 1.5
Max TC CSI: 0.210
Max BC CSI: 0.280
Max Web CSI: 0.215

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
O	1144	/169	/550	/-	/233	/-
P	1547	/57	/867	/-	/-	/3.5
G	336	/79	/324	/-	/-	/3.5

Wind reactions based on MWFRS
O Min Brg Width Req = -
P Min Brg Width Req = 3.5
G Min Brg Width Req = 1.5
Bearings P & G are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	421 - 1842	D - E	555 - 2715
B - C	602 - 2762	E - F	319 - 2642
C - D	602 - 2762		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	403 - 178	M - L	2754 - 200
N - M	1931 - 77	L - K	1783 - 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - O	286 - 1097	E - K	805 - 0
A - N	2054 - 468	K - F	2194 - 0
N - B	236 - 831	F - I	231 - 1325
B - M	934 - 179	J - P	239 - 1547
L - E	1061 - 290	I - J	243 - 1484

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

Bearing O (0', 17') HUS28
Supporting Member: (2)2x8 SP M-31
(22) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

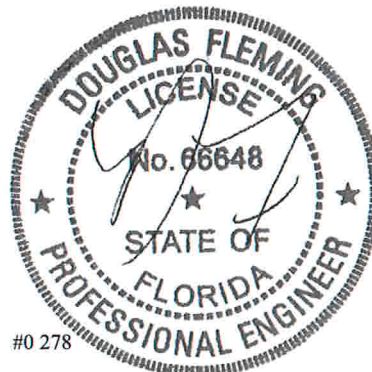
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.12" DL: 0.24". See detail DEFLCMB1014 for camber recommendations. Provide for adequate drainage of roof.



#0 278

04/14/2017

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Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

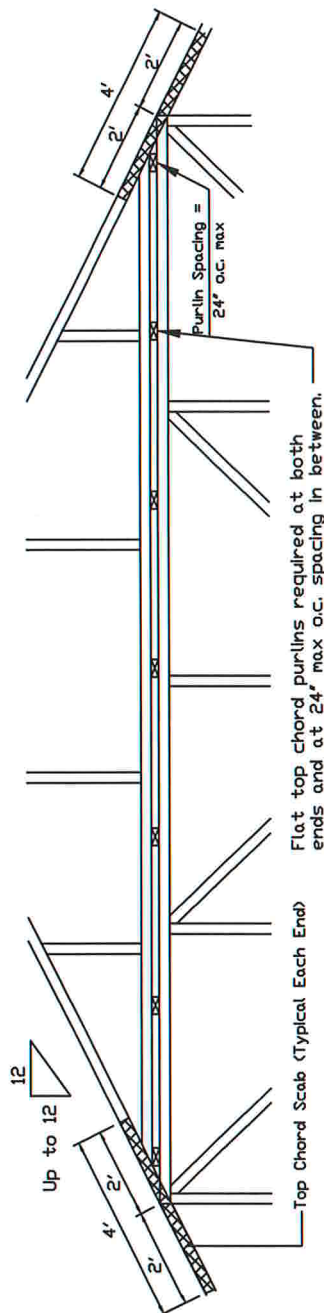
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL=5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for playback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less

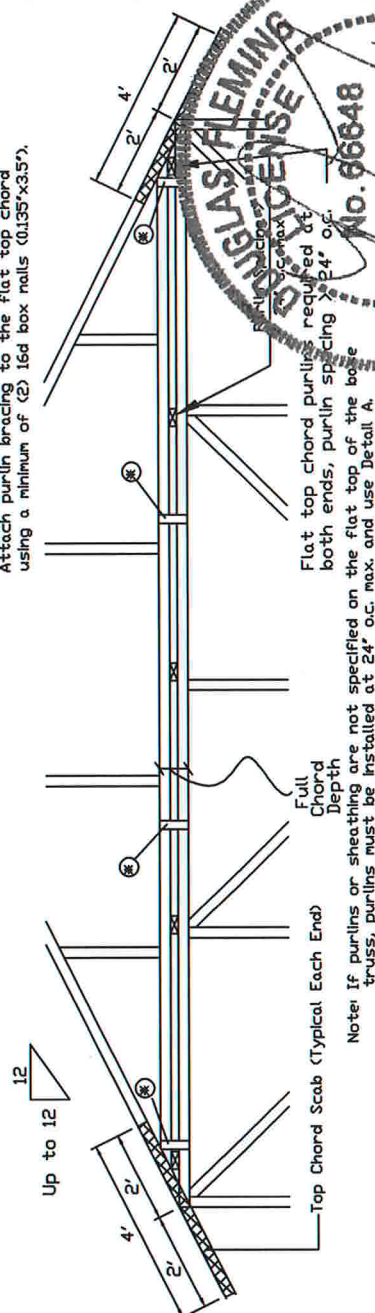


Piggyback cap truss slant nailed to all top chord
purlin bracing with (2) 16d box nails @135"x3.5"
and secure top chord with 2x4 #3 grade scab
(1 side only at each end) attached with
2 rows of 10d box nails @128"x3" at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 TruXo plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28P8 wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. **Note:** Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.



Pluggback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

Flat top chord purlins required at both ends, purlin spacing $\times 24"$ o.c. the flat top of the box $\times$, and use Detail A.

■**WARNING**— READ AND FOLLOW ALL NOTES ON THIS BRANDING. TRUSSES require extreme care in fabricating, handling, shipping, installing and bracing. Truss installers must be trained and experienced in the proper installation of trusses. Truss installers must be familiar with the applicable building code and the manufacturer's instructions prior to performing these functions. Installers shall provide temporary bracing per BCSP's instructions noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per BCSP sections 10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, 10.2.9, 10.2.10, 10.2.11, 10.2.12, 10.2.13, 10.2.14, 10.2.15, 10.2.16, 10.2.17, 10.2.18, 10.2.19, 10.2.20, 10.2.21, 10.2.22, 10.2.23, 10.2.24, 10.2.25, 10.2.26, 10.2.27, 10.2.28, 10.2.29, 10.2.30, 10.2.31, 10.2.32, 10.2.33, 10.2.34, 10.2.35, 10.2.36, 10.2.37, 10.2.38, 10.2.39, 10.2.40, 10.2.41, 10.2.42, 10.2.43, 10.2.44, 10.2.45, 10.2.46, 10.2.47, 10.2.48, 10.2.49, 10.2.50, 10.2.51, 10.2.52, 10.2.53, 10.2.54, 10.2.55, 10.2.56, 10.2.57, 10.2.58, 10.2.59, 10.2.60, 10.2.61, 10.2.62, 10.2.63, 10.2.64, 10.2.65, 10.2.66, 10.2.67, 10.2.68, 10.2.69, 10.2.70, 10.2.71, 10.2.72, 10.2.73, 10.2.74, 10.2.75, 10.2.76, 10.2.77, 10.2.78, 10.2.79, 10.2.80, 10.2.81, 10.2.82, 10.2.83, 10.2.84, 10.2.85, 10.2.86, 10.2.87, 10.2.88, 10.2.89, 10.2.90, 10.2.91, 10.2.92, 10.2.93, 10.2.94, 10.2.95, 10.2.96, 10.2.97, 10.2.98, 10.2.99, 10.2.100, 10.2.101, 10.2.102, 10.2.103, 10.2.104, 10.2.105, 10.2.106, 10.2.107, 10.2.108, 10.2.109, 10.2.110, 10.2.111, 10.2.112, 10.2.113, 10.2.114, 10.2.115, 10.2.116, 10.2.117, 10.2.118, 10.2.119, 10.2.120, 10.2.121, 10.2.122, 10.2.123, 10.2.124, 10.2.125, 10.2.126, 10.2.127, 10.2.128, 10.2.129, 10.2.130, 10.2.131, 10.2.132, 10.2.133, 10.2.134, 10.2.135, 10.2.136, 10.2.137, 10.2.138, 10.2.139, 10.2.140, 10.2.141, 10.2.142, 10.2.143, 10.2.144, 10.2.145, 10.2.146, 10.2.147, 10.2.148, 10.2.149, 10.2.150, 10.2.151, 10.2.152, 10.2.153, 10.2.154, 10.2.155, 10.2.156, 10.2.157, 10.2.158, 10.2.159, 10.2.160, 10.2.161, 10.2.162, 10.2.163, 10.2.164, 10.2.165, 10.2.166, 10.2.167, 10.2.168, 10.2.169, 10.2.170, 10.2.171, 10.2.172, 10.2.173, 10.2.174, 10.2.175, 10.2.176, 10.2.177, 10.2.178, 10.2.179, 10.2.180, 10.2.181, 10.2.182, 10.2.183, 10.2.184, 10.2.185, 10.2.186, 10.2.187, 10.2.188, 10.2.189, 10.2.190, 10.2.191, 10.2.192, 10.2.193, 10.2.194, 10.2.195, 10.2.196, 10.2.197, 10.2.198, 10.2.199, 10.2.200, 10.2.201, 10.2.202, 10.2.203, 10.2.204, 10.2.205, 10.2.206, 10.2.207, 10.2.208, 10.2.209, 10.2.210, 10.2.211, 10.2.212, 10.2.213, 10.2.214, 10.2.215, 10.2.216, 10.2.217, 10.2.218, 10.2.219, 10.2.220, 10.2.221, 10.2.222, 10.2.223, 10.2.224, 10.2.225, 10.2.226, 10.2.227, 10.2.228, 10.2.229, 10.2.230, 10.2.231, 10.2.232, 10.2.233, 10.2.234, 10.2.235, 10.2.236, 10.2.237, 10.2.238, 10.2.239, 10.2.240, 10.2.241, 10.2.242, 10.2.243, 10.2.244, 10.2.245, 10.2.246, 10.2.247, 10.2.248, 10.2.249, 10.2.250, 10.2.251, 10.2.252, 10.2.253, 10.2.254, 10.2.255, 10.2.256, 10.2.257, 10.2.258, 10.2.259, 10.2.260, 10.2.261, 10.2.262, 10.2.263, 10.2.264, 10.2.265, 10.2.266, 10.2.267, 10.2.268, 10.2.269, 10.2.270, 10.2.271, 10.2.272, 10.2.273, 10.2.274, 10.2.275, 10.2.276, 10.2.277, 10.2.278, 10.2.279, 10.2.280, 10.2.281, 10.2.282, 10.2.283, 10.2.284, 10.2.285, 10.2.286, 10.2.287, 10.2.288, 10.2.289, 10.2.290, 10.2.291, 10.2.292, 10.2.293, 10.2.294, 10.2.295, 10.2.296, 10.2.297, 10.2.298, 10.2.299, 10.2.300, 10.2.301, 10.2.302, 10.2.303, 10.2.304, 10.2.305, 10.2.306, 10.2.307, 10.2.308, 10.2.309, 10.2.310, 10.2.311, 10.2.312, 10.2.313, 10.2.314, 10.2.315, 10.2.316, 10.2.317, 10.2.318, 10.2.319, 10.2.320, 10.2.321, 10.2.322, 10.2.323, 10.2.324, 10.2.325, 10.2.326, 10.2.327, 10.2.328, 10.2.329, 10.2.330, 10.2.331, 10.2.332, 10.2.333, 10.2.334, 10.2.335, 10.2.336, 10.2.337, 10.2.338, 10.2.339, 10.2.340, 10.2.341, 10.2.342, 10.2.343, 10.2.344, 10.2.345, 10.2.346, 10.2.347, 10.2.348, 10.2.349, 10.2.350, 10.2.351, 10.2.352, 10.2.353, 10.2.354, 10.2.355, 10.2.356, 10.2.357, 10.2.358, 10.2.359, 10.2.360, 10.2.361, 10.2.362, 10.2.363, 10.2.364, 10.2.365, 10.2.366, 10.2.367, 10.2.368, 10.2.369, 10.2.370, 10.2.371, 10.2.372, 10.2.373, 10.2.374, 10.2.375, 10.2.376, 10.2.377, 10.2.378, 10.2.379, 10.2.380, 10.2.381, 10.2.382, 10.2.383, 10.2.384, 10.2.385, 10.2.386, 10.2.387, 10.2.388, 10.2.389, 10.2.390, 10.2.391, 10.2.392, 10.2.393, 10.2.394, 10.2.395, 10.2.396, 10.2.397, 10.2.398, 10.2.399, 10.2.400, 10.2.401, 10.2.402, 10.2.403, 10.2.404, 10.2.405, 10.2.406, 10.2.407, 1

Alper, a divisions division of TV Building Components Group Inc. shall not be responsible for any deviation from this drawing, or for any failure of the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or failure of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing is the responsibility of the user.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetw.com TPI: www.tpinet.org SBICA: www.sbicaindstry.org ICCA: www.iccsafe.org

■ In addition, provide connection with one of the following methods: Trulox Use 3X8 Trulox plates for 2x4 chord member, and 3X3X10 Trulox plates for 2x6 and larger chord members. Attach to each face 8" o.c. with (4) 0.120"x1.375" nails in cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces. APA Rated Gusset Use 8"x8"x7/16" (min) APA rated sheathing gussets (see Fig. 2). Attach 8" o.c. with (8) 0.113"x3" nails per gusset. (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces. 2x4 Vertical Scabs Use 2x4 SPF #2, full chord depth scabs (each face). Attach 8' o.c. with (5) 10d box nails (0.128"x3") per scab. (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces. 2x8PB Wave Playback Plate Use 2x8PB wave playback plate to each face 8' o.c. Attach teeth to playback at time of installation. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Playback plates may be staggered 4' o.c. front to back faces.	
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REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

SPACING 24.0"

#0 278 04/14/2017



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

 $C, K_{zt} = 1.00$

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

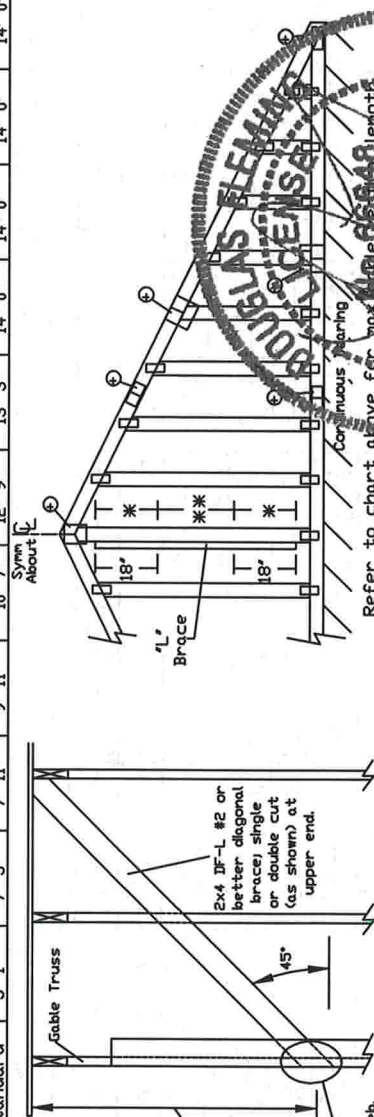
Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

[illegible]

Diagonal brace options: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.

Vertical length shown
In table above.

Connect diagonal at midpoint of vertical web.



Refer to chart above for maximum length

==IMPORTANT== READ AND FILL IN ALL NOTES ON THIS DRAWING. require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ECSI Fabricating Component Safety Information, by TPI and S&G for safety instructions to performing these functions. Installers shall provide temporary bracing per ECSI's instructions to ensure proper installation of the permanent lateral restraint. A property attached rigid coupling shall be used. Locations shown for permanent lateral restraint of bracing installed per ECSI sections 93, 97 or 310, as applicable. Apply plates to each leg of bracing installed per ECSI section 93, 97 or 310, as applicable. Do not B.W., unless noted otherwise. ECSI 150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000

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For more information see this job's general notes page and these web sites:
ALPINE: www.alphinetw.com TPI: www.tpinet.org SBCA: www.sbchindustry.org ICC: www.iccsafe.org



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

#0278 04/14/2017

REF	ASCE7-10-GABI4015
DATE	10/01/14
DRWG	A14015ENC101014

Refer to the Building Designer for conditions not addressed by this detail.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

- + Refer to common truss design for peak, splice, and heel plates

Gable Truss Detail Notes:

Wind Load deflection criterion is $L/240$.

Provide uplift connections for 55 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 "L" braces with 10d (0.128"x3.0" min) nails.

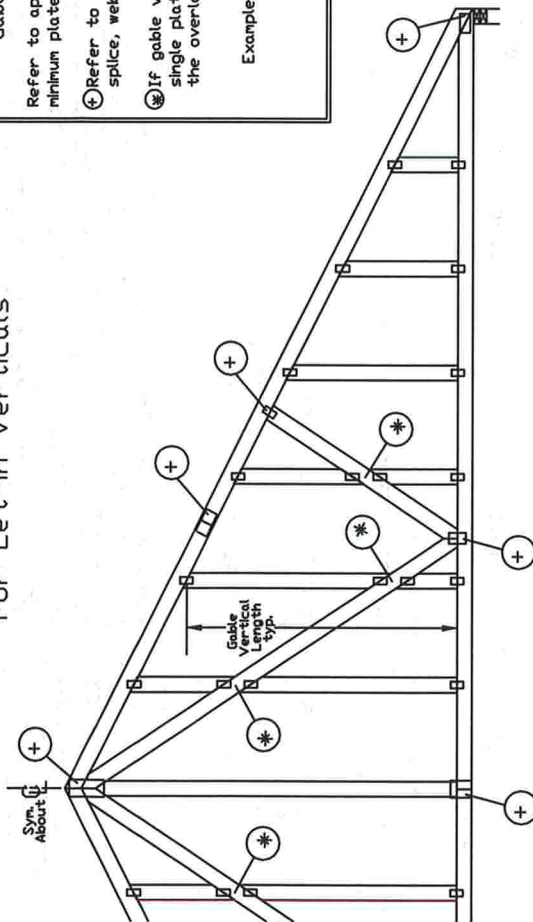
* For (1) 'L' brace: space rolls at 2' o.c.

In 18' end zones and 4' o.c. between zones
 * * * or (2) 'L' braces; space walls 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 Detail For Let-in Verticals

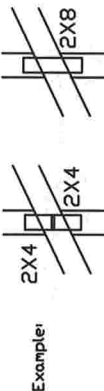


Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

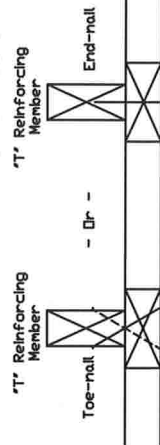
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



Example:

'T' Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf.	'T'
Min. Size	Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x3".min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x3".min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A10030051014, A14030051014

ASCE 7-10 Gable Detail Drawings

A11515ENC10014, A12015ENC10014, A14015ENC10014, A16015ENC10014,

A18015ENC10014, A20015ENC10014, A22015ENC10014, A24015ENC10014,

A11530ENC10014, A12030ENC10014, A14030ENC10014, A16030ENC10014,

A18030ENC10014, A20030ENC10014, A22030ENC10014, A24030ENC10014,

S11515ENC100815, S12015ENC100815, S14015ENC100815, S16015ENC100815,

S18015ENC100815, S20015ENC100815, S22015ENC100815, S24015ENC100815,

S11530ENC100815, S12030ENC100815, S14030ENC100815, S16030ENC100815,

S18030ENC100815, S20030ENC100815, S22030ENC100815, S24030ENC100815

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

MANUFACTURER READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in handling, storage, and shipping. Handling and shipping practices prior to the last portion of BCSI Gable Truss shall be followed. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections 32, 37, or 310, as applicable. Apply plates to each face of web and position of brace and on top chord and bottom chord. Refer to drawings 160A-2 for details, unless noted otherwise.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpinecorp.com TPI: www.tpi.org BCSI: www.bcsigroup.com BCS: www.bcsinc.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

REF LET-IN VERT

DATE 10/01/14

DRWG GBLLEIN1014

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0'



#0 278 04/14/2017

Commentary:

Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Recommended Camber

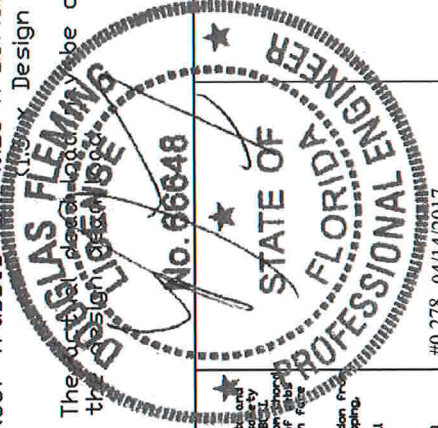
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
Floor Trusses	0.25 x Deflection from Live Load + Actual Dead Load
Flat Roof Trusses	0.25 x Deflection from Live Load + 0.25 x Deflection from Live Load Deflection

Note: The actual camber should be considerably less than the design deflection.

IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING.
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and SBCA for safety instructions. Trusses are not to be used for any other purpose than intended. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of ribs shall have bracing installed per BCSI sections 93, 97 or 310, as applicable. Apply plates to each rib of truss and position as shown above and on joint details, unless noted otherwise.
Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely by the Engineer. The Engineer shall be responsible for the drawing for any alterations.
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpinet.com SBCA: www.sbcainc.com ICC: www.iccsafe.org



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043



REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCMB1014

#0.278 04/14/2017

Member Substitution

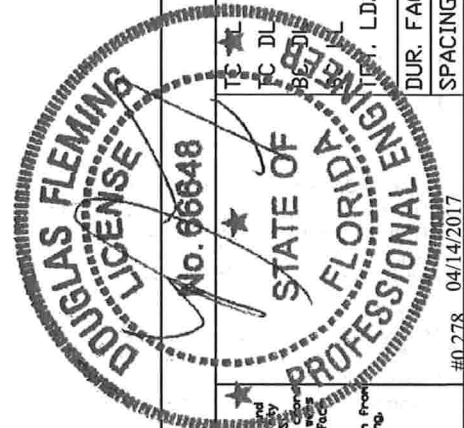
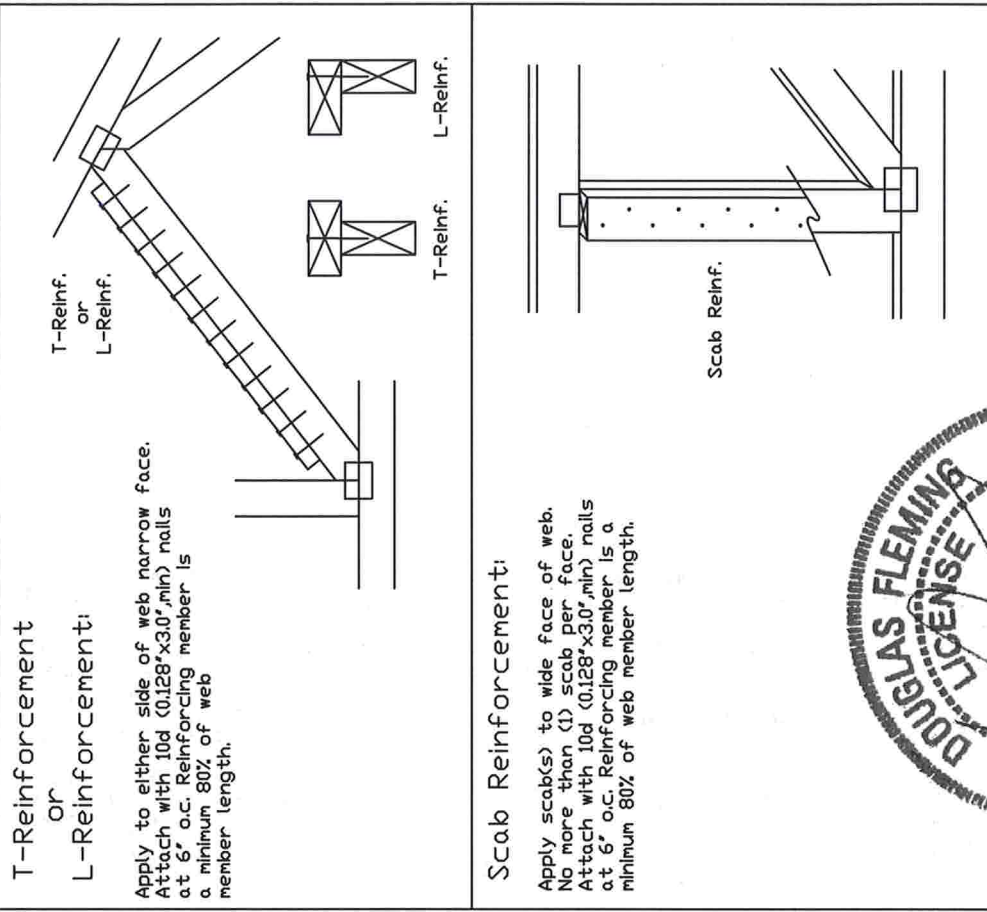
Notes:

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

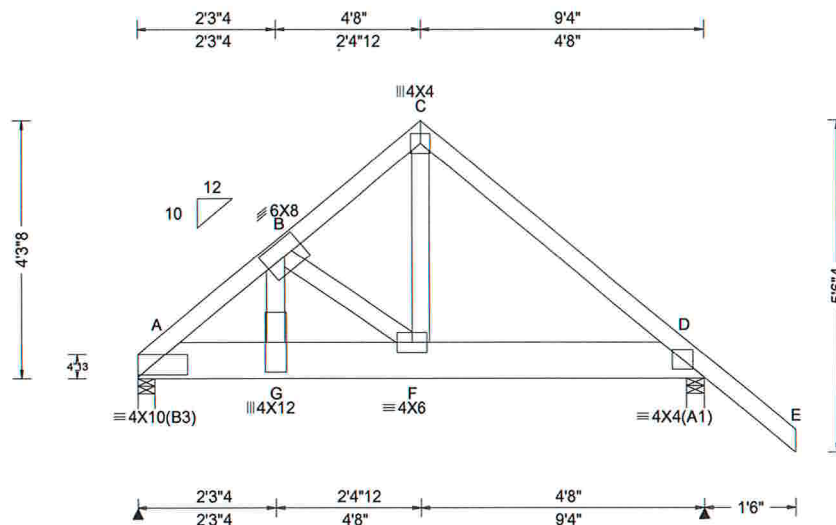
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.
2x3 or 2x4	1 row	1-2x4
2x3 or 2x4	2 rows	2-2x4
2x6	1 row	1-2x6
2x6	2 rows	2-2x6
2x8	1 row	1-2x8
2x8	2 rows	2-2x6

T-reinforcement, L-reinforcement, or scab reinforcement 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.

[illegible]

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: R02	Ply: 1 Qty: 1	SEQN: 468478 / T37 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1309.12480 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc: L/defl L/# VERT(LL): 0.022 G 999 240 VERT(TL): 0.056 G 999 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.019 B - - Creep Factor: 1.5 Max TC CSI: 0.122 Max BC CSI: 0.282 Max Web CSI: 0.248 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 2798 / 663 / - / - / - / 3.5 D 1259 / 297 / - / - / - / 3.5 Wind reactions based on MWFRS A Min Brg Width Req = 2.3 D Min Brg Width Req = 1.5 Bearings A & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 889 - 3706 C - D 367 - 1530 B - C 361 - 1547

Lumber

Top chord 2x4 SP M-31
Bot chord 2x8 SP M-31
Webs 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 66 plf at 0.00 to 66 plf at 4.67
TC- From 66 plf at 4.67 to 66 plf at 10.83
BC- From 20 plf at 0.00 to 20 plf at 9.33
BC- From 5 plf at 9.33 to 5 plf at 10.83
BC- 3147 lb Conc. Load at 2.27

Wind

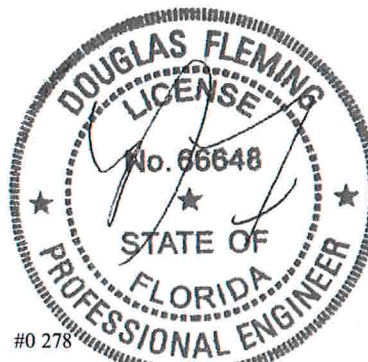
Wind loads and reactions based on MWFRS.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - G	2811 - 671	F - D	1109 - 255
G - F	2737 - 654		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
G - B	2607 - 623	F - C	1646 - 345
B - F	503 - 2043		



04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

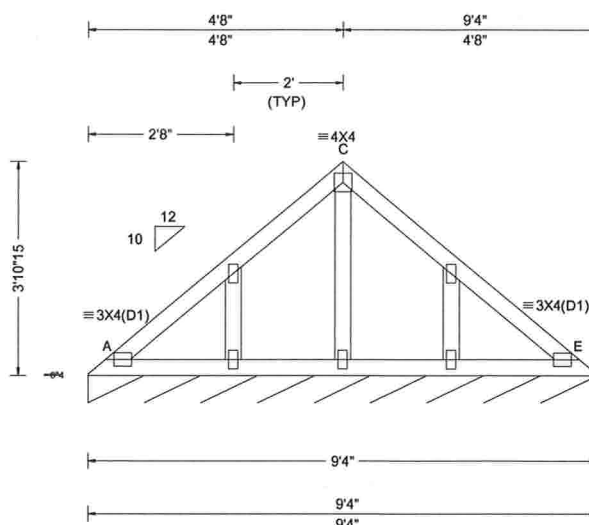
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: R01	Ply: 1 Qty: 1	SEQN: 455419 / T2 FROM: CDM	GABL Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1309.09737 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 H 999 240 VERT(TL): 0.003 H 999 180 HORZ(LL): -0.001 F - - HORZ(TL): -0.002 F - - Creep Factor: 1.5 Max TC CSI: 0.031 Max BC CSI: 0.019 Max Web CSI: 0.018 VIEW Ver: 16.01.00D.0413.17	Loc R /U /Rw /Rh /RL /W E* 86 /10 /47 /- /11 /111 Wind reactions based on MWFRS A Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

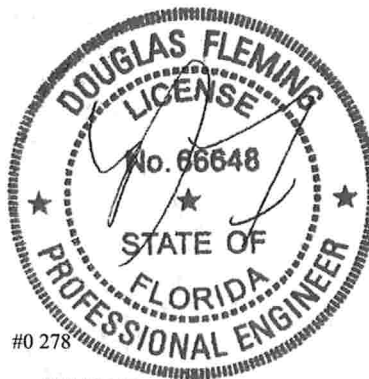
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS S14015ENC100815 & GBLLETIN1014 for gable wind bracing and other requirements.



#0 278

04/14/2017

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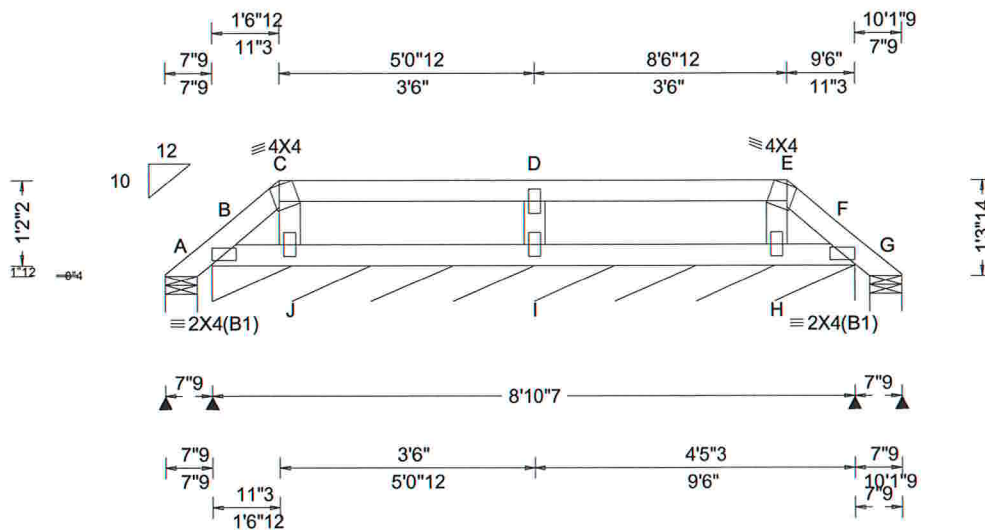
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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P21	Ply: 1 Qty: 1	SEQN: 468264 / T94 SPEC FROM: CDM	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1309.08540 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 20.58 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(TL): 0.000 D 999 180 HORZ(LL): 0.000 H - - HORZ(TL): 0.000 H - - Creep Factor: 1.5 Max TC CSI: 0.069 Max BC CSI: 0.031 Max Web CSI: 0.020 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 22 / 17 / 34 / - / 35 / 5.2 B* 89 / 18 / 47 / - / - / 106 G 24 / 6 / 20 / - / - / 5.2 I / 139 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - G Min Brg Width Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

Purlins

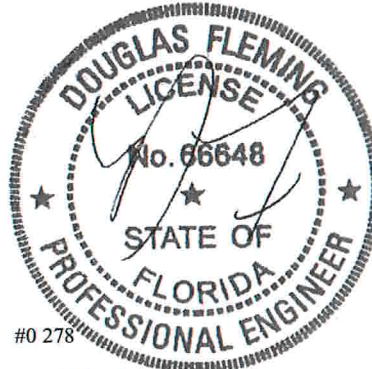
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C
member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



04/14/2017

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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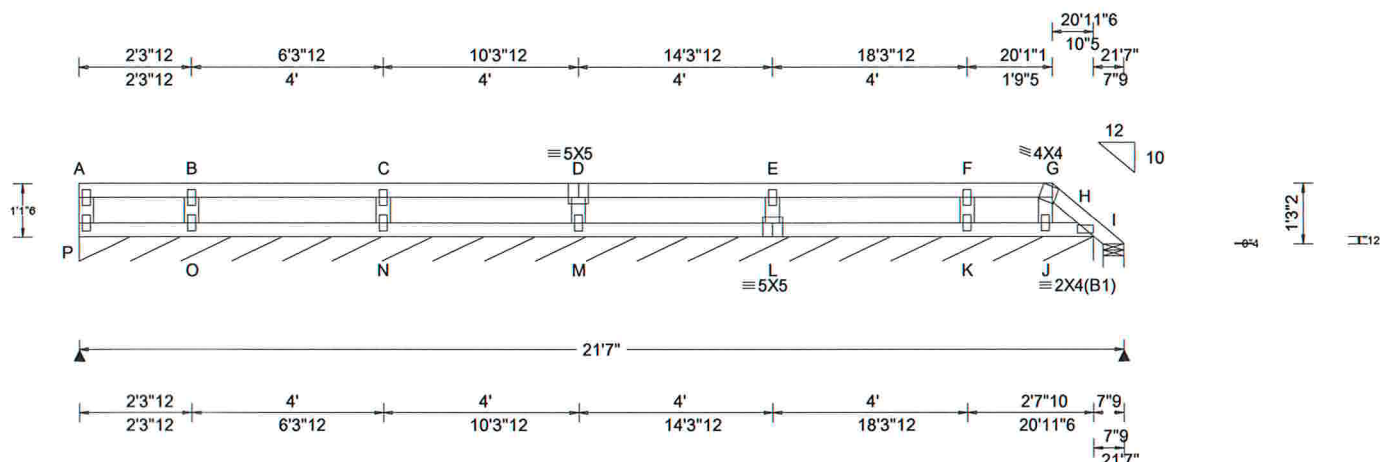
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

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2400 Lake Orange Dr.
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Orlando FL 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P19	Ply: 2 Qty: 1	SEQN: 467672 / T84 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1309.03463 KM / DF 04/14/2017
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 20.64 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.000 E 999 240 VERT(TL): 0.000 C 999 180 HORZ(LL): 0.000 J - - HORZ(TL): 0.000 J - - Creep Factor: 1.5 Max TC CSI: 0.055 Max BC CSI: 0.025 Max Web CSI: 0.011 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W P* 87 / 19 / 42 / - / 1 / 251 I 23 / 2 / 20 / - / - / 5.2 Wind reactions based on MWFRS P Min Brg Width Req = - I Min Brg Width Req = 1.5 Bearings P & I are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

Nailnote

Nail Schedule: 0.131"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.

Plating Notes

All plates are 2X4 except as noted.

Purlins

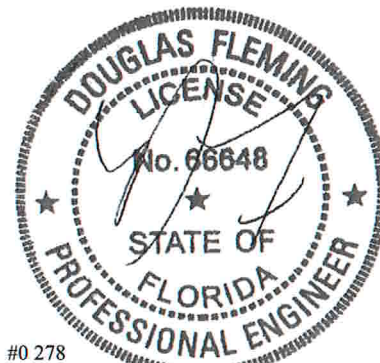
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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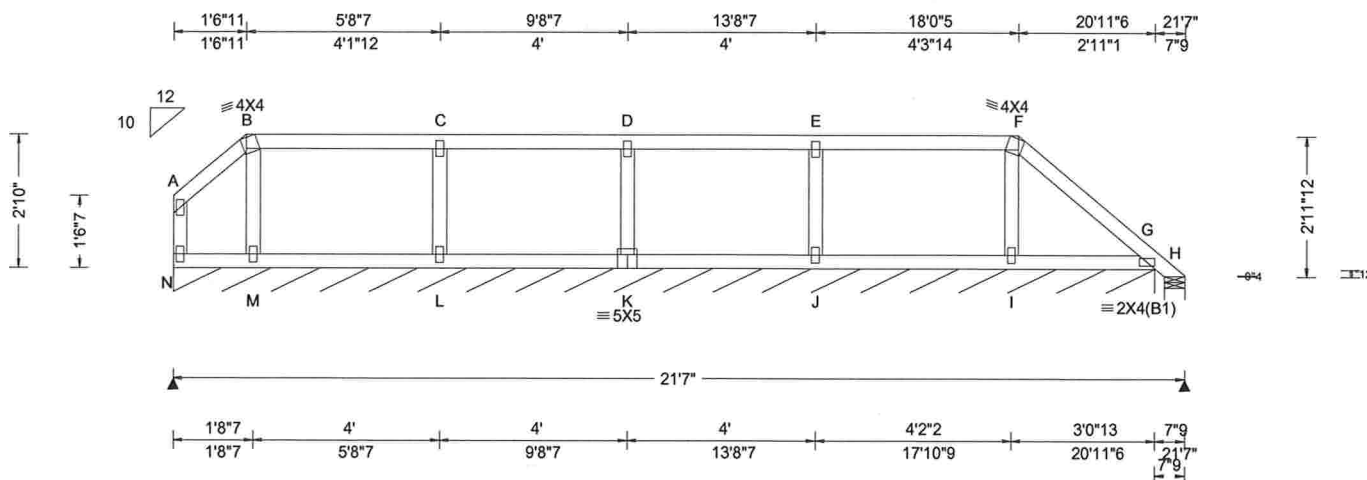
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Job Number: 16-0982	Ply: 1	SEQN: 467675 / T96	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1309.02233	
Truss Label: P18				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 240	N* 89 / 16 / 46 / - / 4 / 251
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.001 C 999 180	H 7 / 28 / 28 / - / - / 5.2
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 A - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): -0.002 A - -	N Min Brg Width Req = -
NCBCLL: 10.00	Mean Height: 21.50 ft		Creep Factor: 1.5	H Min Brg Width Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.132	Bearings N & H are a rigid surface.
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.055	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.029	
	C&C Dist a: 3.00 ft			
	Loc. from endwall: not in 9.00 ft			
	GCpi: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria		
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: Yes		
		FT/RT: 20(0)/10(0)		
		Plate Type(s):		
		WAVE		
			VIEW Ver: 16.02.01B.0131.17	

Lumber

Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

Plating Notes

All plates are 2X4 except as noted.

Purlins

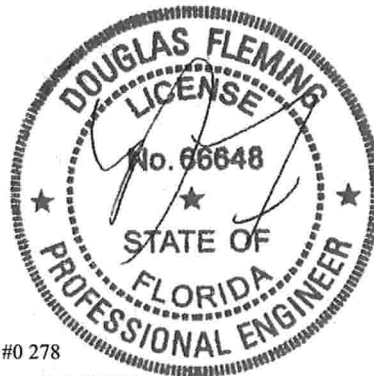
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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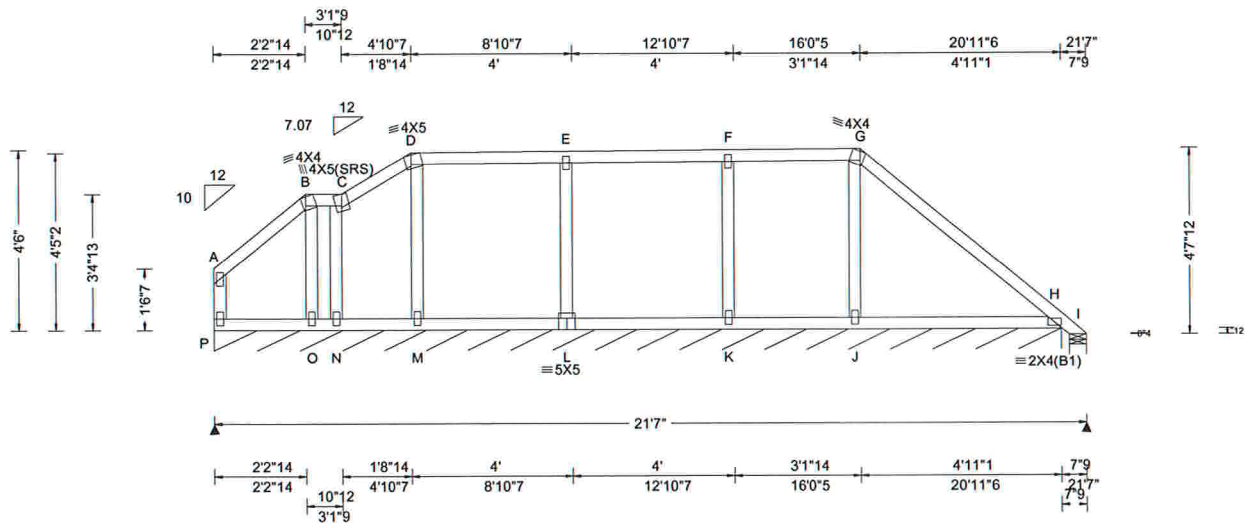
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Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P17

Ply: 1
Qty: 1

SEQN: 467678 / T125 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.56243
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 22.33 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 J 999 240 VERT(TL): 0.004 J 999 180 HORZ(LL): -0.003 A - - HORZ(TL): -0.006 A - - Creep Factor: 1.5 Max TC CSI: 0.136 Max BC CSI: 0.084 Max Web CSI: 0.046 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W P* 97 / 18 / 55 / - / 6 / 251 I -229 / 229 / 89 / - / - / 5.2 I / 229 Wind reactions based on MWFRS P Min Brg Width Req = - I Min Brg Width Req = 1.5 Bearings P & I are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

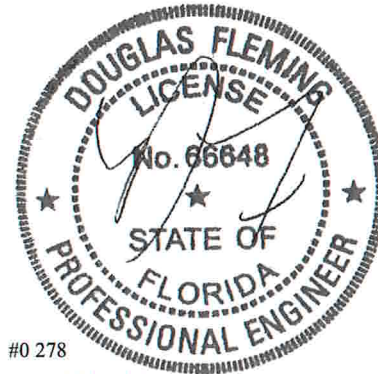
Wind

Wind loads based on MWFRS with additional C&C
member design.

Additional Notes

Negative reaction(s) of -229# MAX. from a non-wind
load case requires uplift connection. See Maximum
Reactions.

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

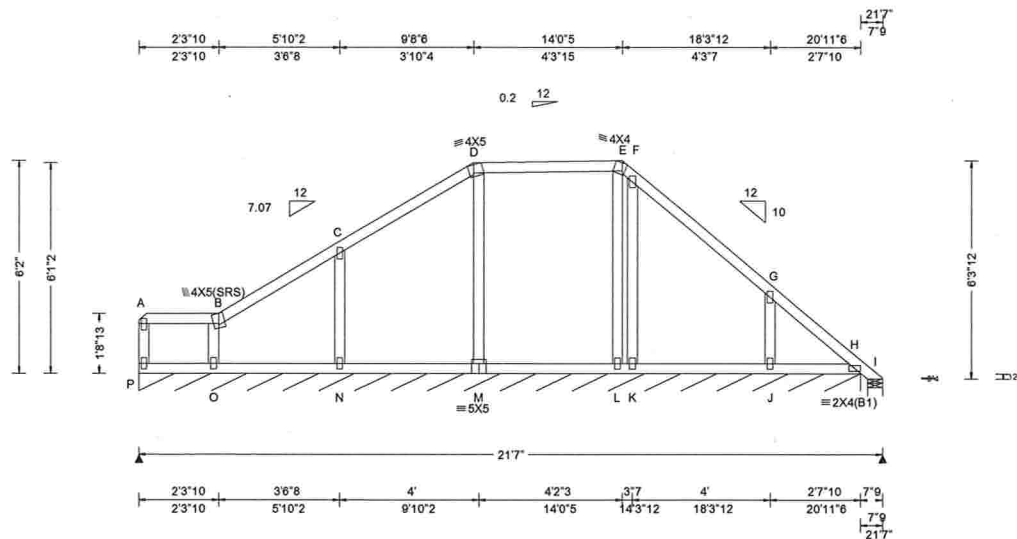
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ALPINE
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Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 467831 / T51	COMM	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1308.54107	
Truss Label: P16				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 23.17 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.001 F 999 240 VERT(TL): 0.003 D 999 180 HORZ(LL): -0.003 B - - HORZ(TL): -0.006 B - - Creep Factor: 1.5 Max TC CSI: 0.097 Max BC CSI: 0.041 Max Web CSI: 0.096 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W P* 84 / 8 / 47 / - / 8 / 251 I 26 / 18 / 30 / - / - / 5.2 Wind reactions based on MWFRS P Min Brg Width Req = - I Min Brg Width Req = 1.5 Bearings P & I are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

Purlins

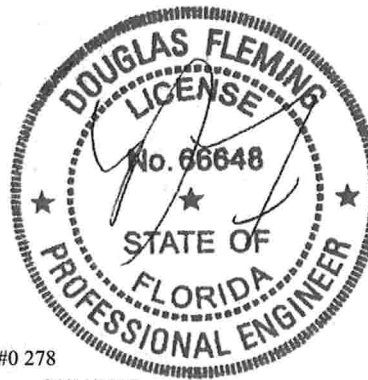
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C
member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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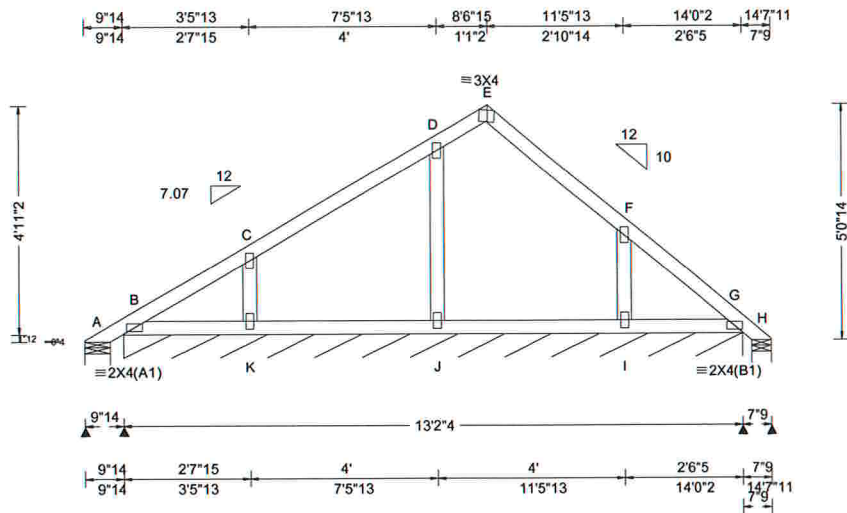
ALPINE
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Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P15

Ply: 1
Qty: 1

SEQN: 455361 / T57 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.52060
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 24.55 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 E 999 240 VERT(TL): 0.004 E 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.002 F - - Creep Factor: 1.5 Max TC CSI: 0.055 Max BC CSI: 0.046 Max Web CSI: 0.035 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W A 24 / 68 / 91 / - / 153 / 6.5 B* 88 / 9 / 54 / - / - / 158 H 22 / 1 / 22 / - / - / 5.2 K / 133 J / 104 I / 147 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - H Min Brg Width Req = 1.5 Bearings A, B, & H are a rigid surface.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

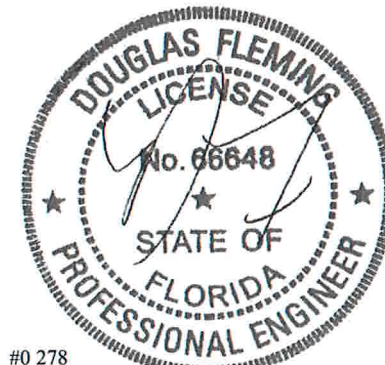
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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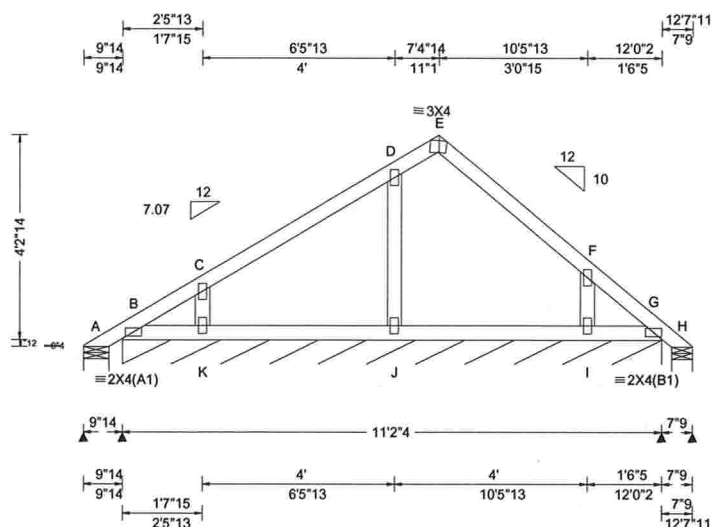
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Job Number: 16-0982	Ply: 1	SEQN: 455362 / T16	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1308.50877	
Truss Label: P14				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 E 999 240	A 36 /54 /82 /- /132 /6.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.003 E 999 180	B* 86 /7 /54 /- /- /134
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 F - -	H 38 /0 /26 /- /- /5.2
	EXP: C		HORZ(TL): 0.002 I - -	K /136
Des Ld: 40.00	Mean Height: 24.20 ft		Creep Factor: 1.5	J /108
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria		I /150
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.055	Wind reactions based on MWFRS
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2007	Max BC CSI: 0.047	A Min Brg Width Req = 1.5
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.027	B Min Brg Width Req = -
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		H Min Brg Width Req = 1.5
	GCpi: 0.18	Plate Type(s):		Bearings A, B, & H are a rigid surface.
	Wind Duration: 1.60	WAVE	VIEW Ver: 16.01.00D.0413.17	

Lumber

Top chord 2x4 SP M-31
 Bot chord 2x4 SP M-31
 Webs 2x4 SP M-31

Plating Notes

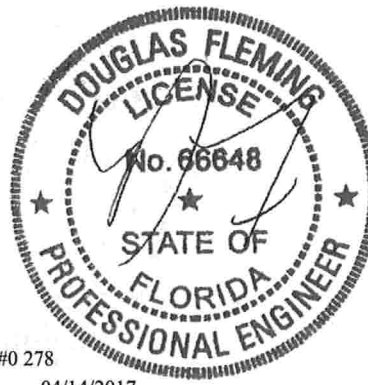
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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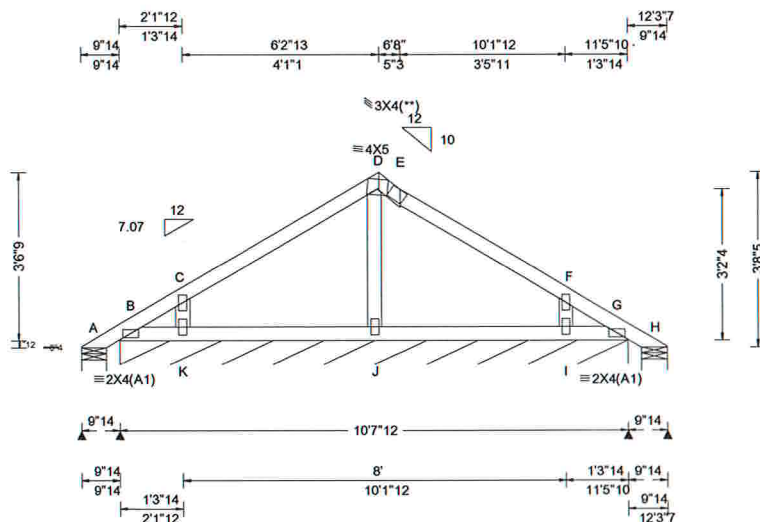
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 Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P13	Ply: 1 Qty: 1	SEQN: 455364 / T66 FROM: CDM	COMN	Cust: R215 DrwNo: 104.17.1308.49877 KM / DF	JRef: 1VZZ2150001 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 23.86 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 E 999 240 VERT(TL): 0.015 E 999 180 HORZ(LL): -0.004 E - - HORZ(TL): -0.010 E - - Creep Factor: 1.5 Max TC CSI: 0.091 Max BC CSI: 0.045 Max Web CSI: 0.031 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W A 33 / 41 / 62 / - / 100 / 6.5 B* 86 / 7 / 50 / - / - / 127 H 31 / 4 / 22 / - / - / 6.5 K / 178 I / 180 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - H Min Brg Width Req = 1.5 Bearings A, B, & H are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

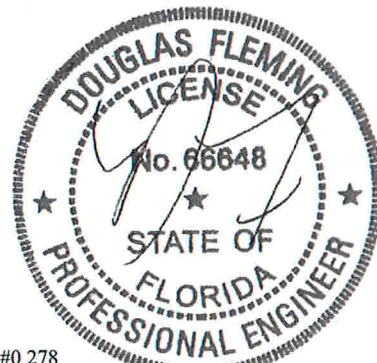
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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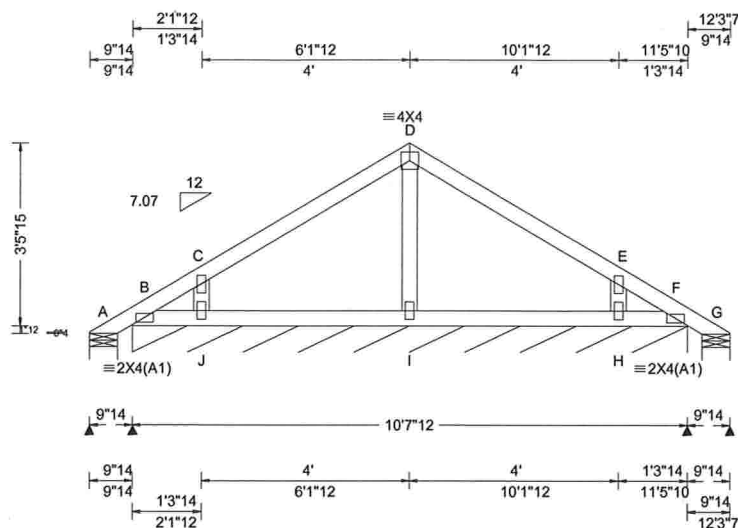
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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P12	Ply: 1 Qty: 1	SEQN: 455366 / T65 FROM: CDM	COMN	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.48360 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCCL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 23.83 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(TL): 0.001 D 999 180 HORZ(LL): 0.000 E - - HORZ(TL): 0.001 H - - Creep Factor: 1.5 Max TC CSI: 0.079 Max BC CSI: 0.045 Max Web CSI: 0.022 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W A 34 / 42 / 62 / - / 98 / 6.5 B* 86 / 7 / 50 / - / - / 127 G 34 / 5 / 24 / - / - / 6.5 J / 170 H / 170 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - G Min Brg Width Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

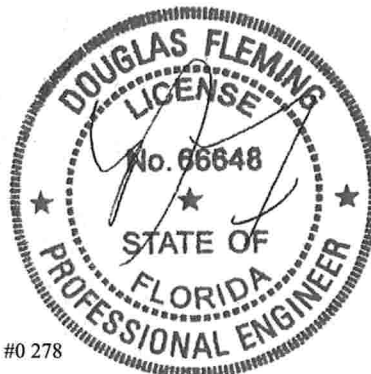
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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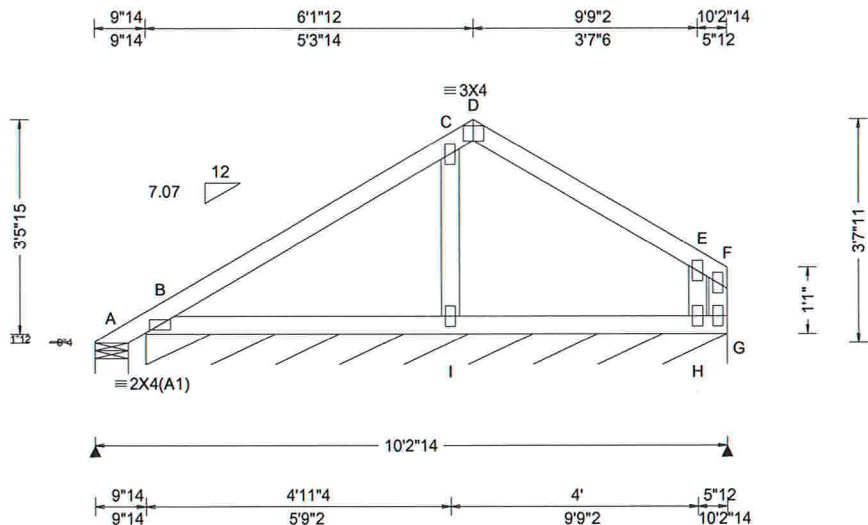
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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P11	Ply: 1 Qty: 1	SEQN: 455368 / T63 FROM: CDM	COMN	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.46400 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 23.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 D 999 240 VERT(TL): 0.007 D 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.009 F - - Creep Factor: 1.5 Max TC CSI: 0.080 Max BC CSI: 0.064 Max Web CSI: 0.032 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W A -118 / 118 / 84 / - / 93 / 6.5 B* 99 / 12 / 62 / - / - / 113 A / 118 G / 146 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

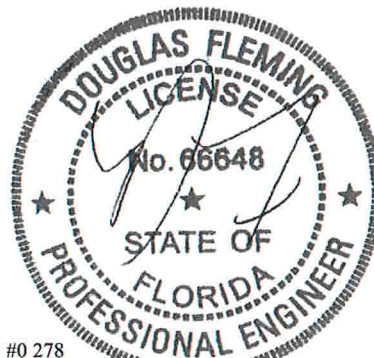
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

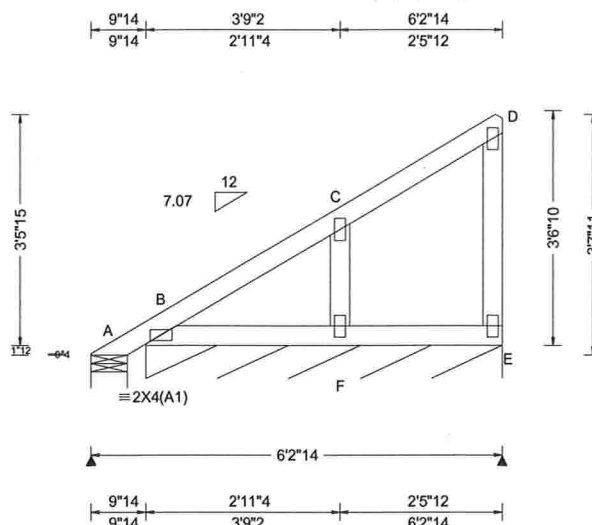
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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2400 Lake Orange Dr.
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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P10	Ply: 1 Qty: 1	SEQN: 455370 / T59 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.45250 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 23.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 240 VERT(TL): 0.001 F 999 180 HORZ(LL): -0.000 D - - HORZ(TL): 0.001 F - - Creep Factor: 1.5 Max TC CSI: 0.033 Max BC CSI: 0.028 Max Web CSI: 0.014 VIEW Ver: 16.01.00D.0413.17	Loc R / U / Rw / Rh / RL / W A 5 / 15 / 45 / - / 79 / 6.5 B* 91 / 16 / 66 / - / - / 65.0 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

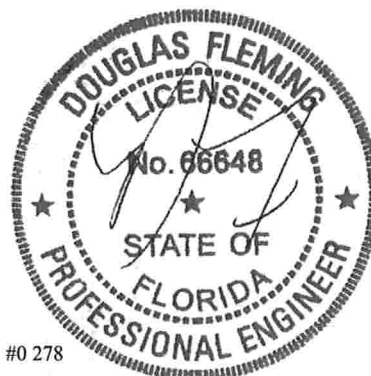
Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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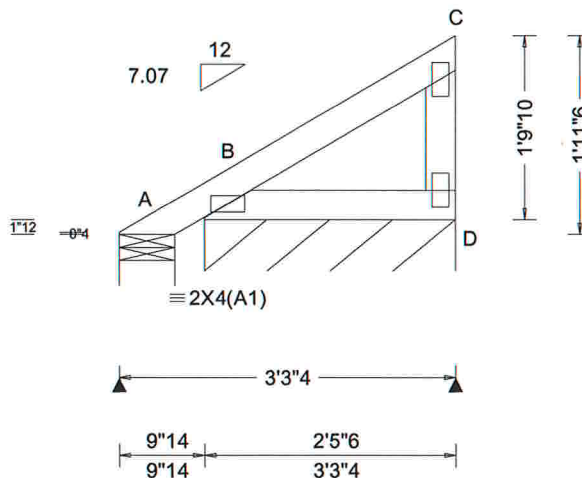
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P09

Ply: 2
Qty: 1

SEQN: 462447 / T90 MONO
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.43793
KM / DF 04/14/2017

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 22.98 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 1.5 Max TC CSI: 0.011 Max BC CSI: 0.009 Max Web CSI: 0.003 VIEW Ver: 16.01.00D.0413.16	Loc R / U / Rw / Rh / RL / W A 5 / 8 / 24 / - / 40 / 6.5 B* 104 / 18 / 74 / - / - / 29.4 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Nailnote

Nail Schedule: 0.131"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.

Plating Notes

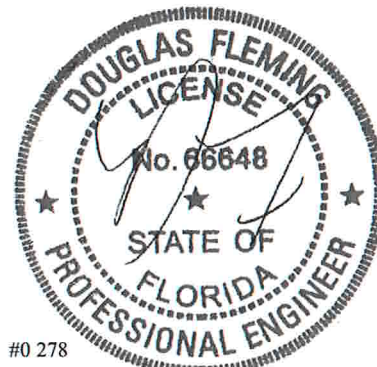
All plates are 2X4 except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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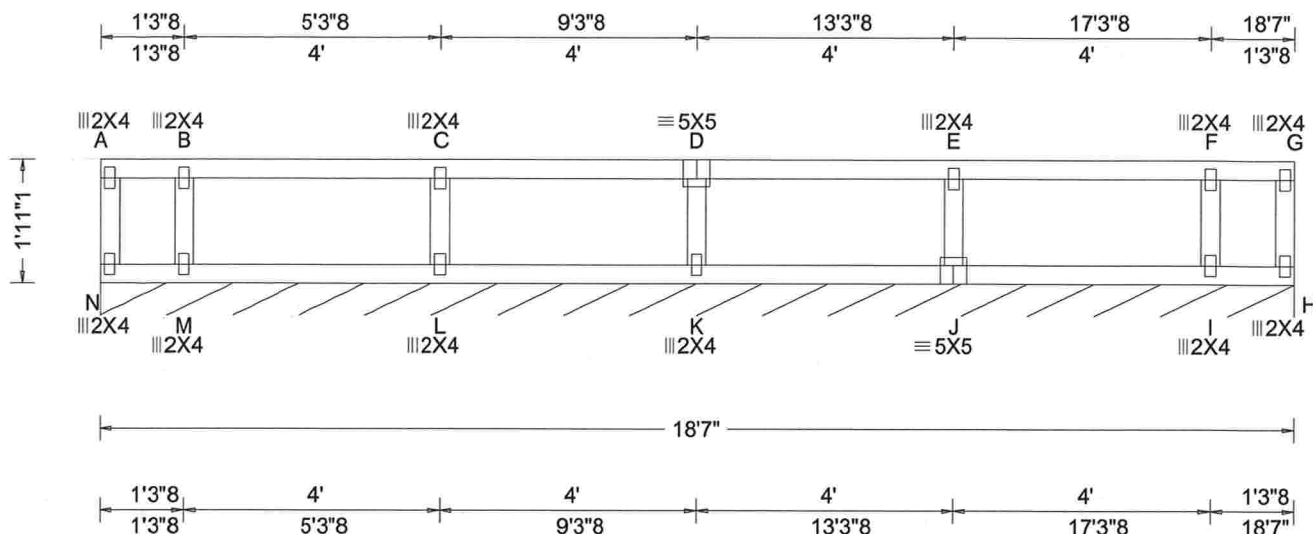
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Job Number: 16-0982	Ply: 1	SEQN: 468314 / T133 FLAT	Cust: R215 JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM	DrwNo: 104.17.1308.33987
Truss Label: P08			KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 22.07 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(TL): 0.001 C 999 180 HORZ(LL): 0.000 G - - HORZ(TL): 0.000 A - - Creep Factor: 1.5 Max TC CSI: 0.069 Max BC CSI: 0.043 Max Web CSI: 0.020 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W N* 80 / 25 / 41 / - / - / 222 Wind reactions based on MWFRS N Min Brg Width Req = - Bearing N is a rigid surface. Members not listed have forces less than 375#

Lumber

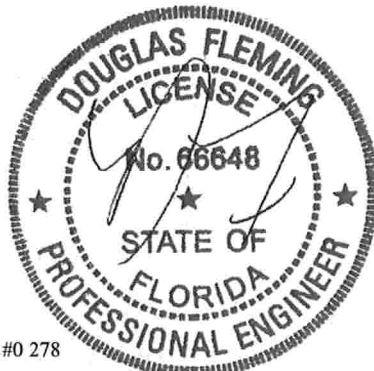
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Truss must be installed as shown with top chord up.
Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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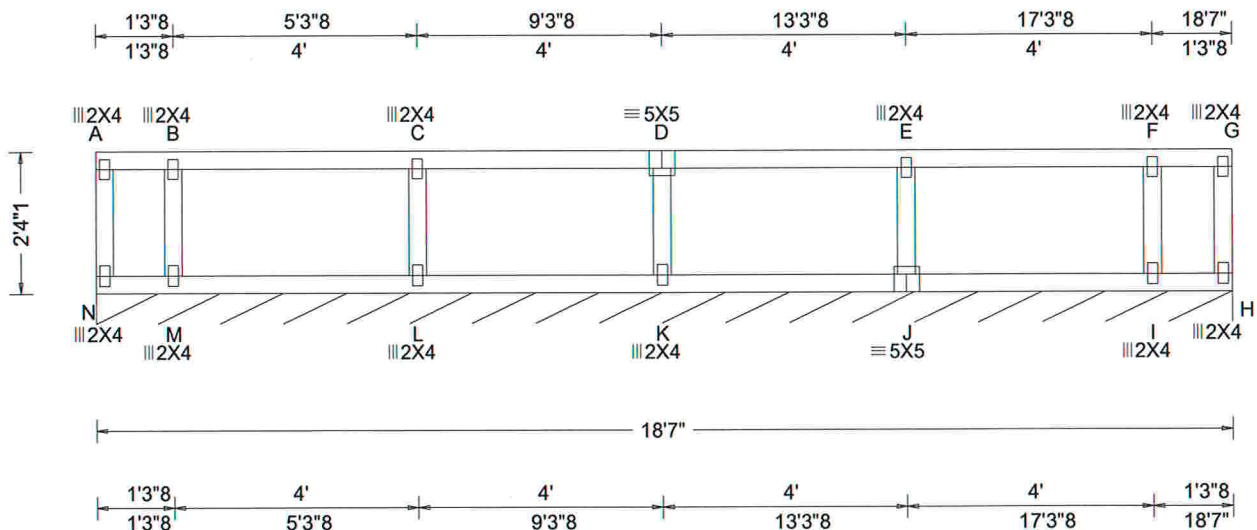
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P07

Ply: 1
Qty: 1

SEQN: 468311 / T132 FLAT
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.25433
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 22.48 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCPl: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.000 C 999 240
VERT(TL): 0.001 C 999 180
HORZ(LL): 0.000 G - -
HORZ(TL): 0.000 A - -
Creep Factor: 1.5
Max TC CSI: 0.069
Max BC CSI: 0.043
Max Web CSI: 0.021

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs), or *PLF
Loc R / U / Rw / Rh / RL / W
N* 80 / 25 / 41 / - / - / 222
Wind reactions based on MWFRS
N Min Brg Width Req = -
Bearing N is a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

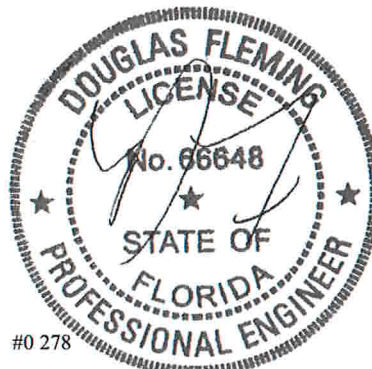
Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
Refer to DWG PB160101014 for piggyback details.



04/14/2017

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

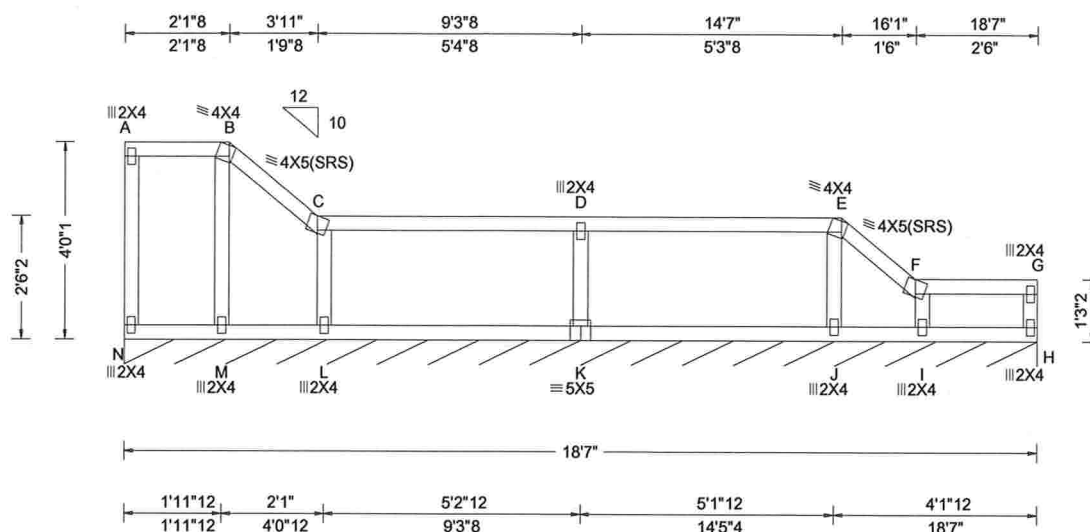
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Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468308 / T130 COMM	Cust: R215 JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM	DrwNo: 104.17.1308.23797
Truss Label: P06			KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 22.78 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.005 F 999 240 VERT(TL): -0.008 F 999 180 HORZ(LL): 0.033 F - - HORZ(TL): 0.051 F - - Creep Factor: 1.5 Max TC CSI: 0.205 Max BC CSI: 0.072 Max Web CSI: 0.043 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W N* 86 / 21 / 45 / - / 4 / 222 Wind reactions based on MWFRS N Min Brg Width Req = - Bearing N is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - K 182 - 419

Lumber

Top chord 2x4 SP M-31
 Bot chord 2x4 SP M-31
 Webs 2x4 SP M-31

Purlins

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

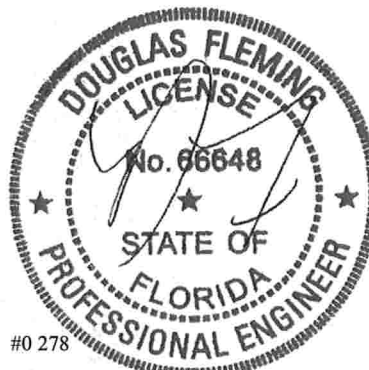
Wind

Wind loads based on MWFRS with additional C&C
 member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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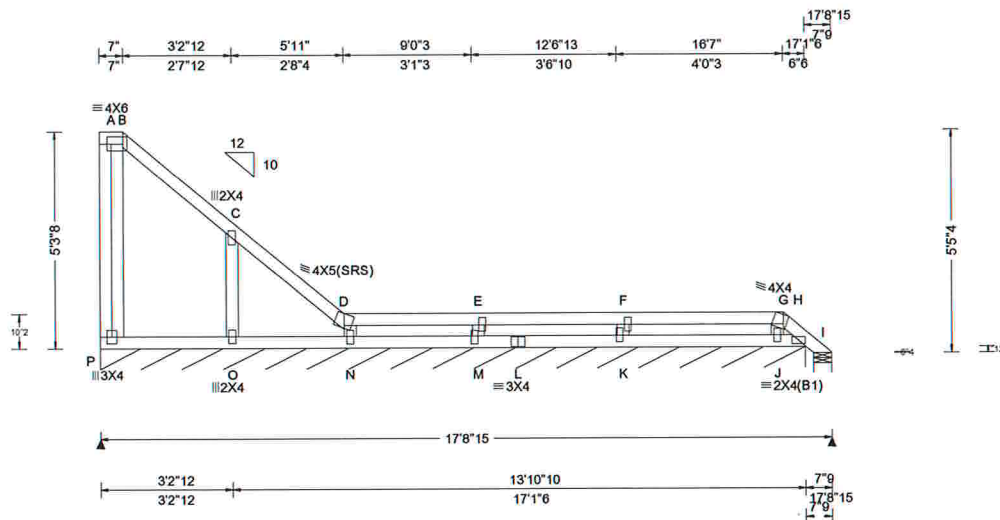
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 2400 Lake Orange Dr.
 Suite 150
 Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P05

Ply: 1
Qty: 1

SEQN: 468305 / T131 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.22333
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF					
				Loc	R	/U	/Rw	/Rh	/RL /W
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 22.73 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.001 A 999 240 VERT(TL): -0.003 A 999 180 HORZ(LL): 0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 1.5 Max TC CSI: 0.098 Max BC CSI: 0.038 Max Web CSI: 0.020 VIEW Ver: 16.02.01B.0131.17	P* 87 / 18 / 50 / - / 9 / 205 I 23 / - / 17 / - / - / 5.2 Wind reactions based on MWFRS P Min Brg Width Req = - I Min Brg Width Req = 1.5 Bearings P & I are a rigid surface.	Members not listed have forces less than 375#				

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4(**) except as noted.

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

Purlins

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

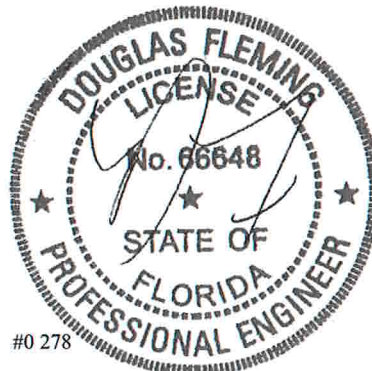
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

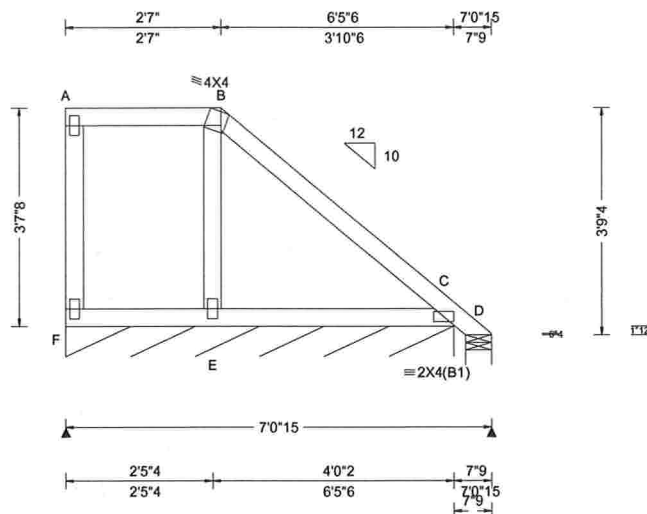
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P04	Ply: 1 Qty: 1	SEQN: 468301 / T123 FROM: CDM	COMN Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.20223 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 21.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 240 VERT(TL): 0.002 E 999 180 HORZ(LL): 0.001 B - - HORZ(TL): -0.002 E - - Creep Factor: 1.5 Max TC CSI: 0.050 Max BC CSI: 0.043 Max Web CSI: 0.027 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W F* 105 / 23 / 70 / - / 16 / 77.4 D -87 / 87 / 57 / - / - / 5.2 Wind reactions based on MWFRS F Min Brg Width Req = - D Min Brg Width Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

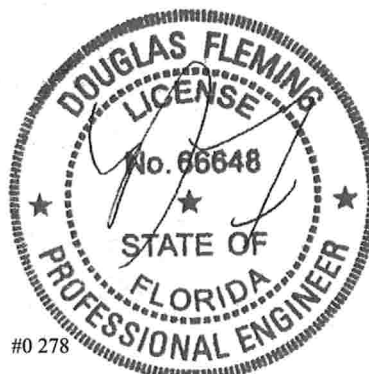
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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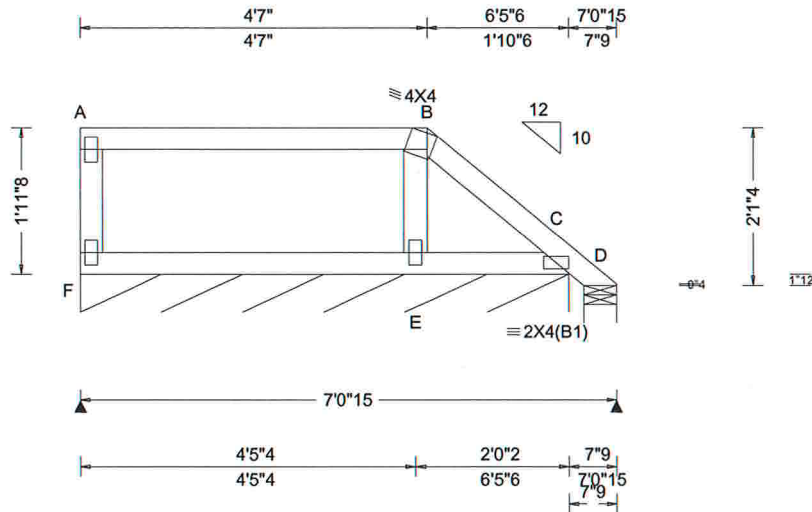
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P03

Ply: 1
Qty: 1

SEQN: 468299 / T107 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.18790
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 21.06 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(TL): 0.001 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 E - - Creep Factor: 1.5 Max TC CSI: 0.113 Max BC CSI: 0.063 Max Web CSI: 0.021 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W F* 86 / 17 / 50 / - / 9 / 77.4 D 39 / 11 / 24 / - / - / 15.2 Wind reactions based on MWFRS F Min Brg Width Req = - D Min Brg Width Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4 except as noted.

Purlins

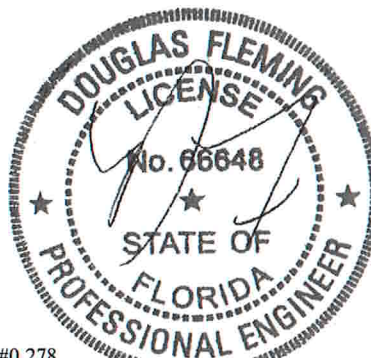
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C
member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

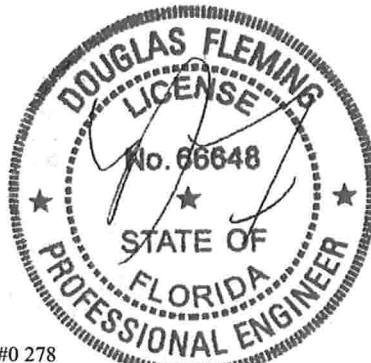
[illegible]

Lumber				
Top chord 2x4 SP M-31				
Bot chord 2x4 SP M-31				
Webbs 2x4 SP M-31				

Plating Notes
All plates are 2X4(B1) except as noted.

Wind
Wind loads based on MWFRS with additional C&C member design.

Additional Notes
Refer to DWG PB160101014 for piggyback details.



#0 278
04/14/2017

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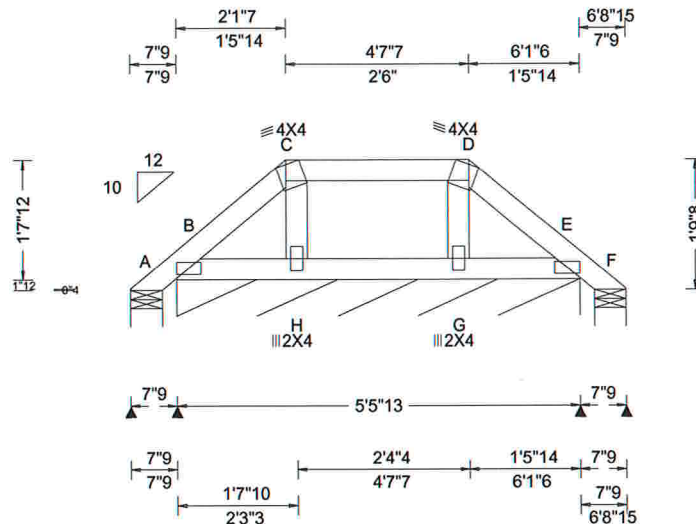
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: P02

Ply: 1
Qty: 1

SEQN: 468359 / T74 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.15443
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 20.91 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.000 D 999 240 VERT(TL): 0.000 D 999 180 HORZ(LL): 0.000 G - - HORZ(TL): 0.000 G - - Creep Factor: 1.5 Max TC CSI: 0.035 Max BC CSI: 0.013 Max Web CSI: 0.009 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 15 / 31 / 46 / - / 50 / 5.2 B* 93 / 14 / 55 / - / - / 65.8 F 21 / 3 / 15 / - / - / 5.2 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - F Min Brg Width Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4(B1) except as noted.

Purlins

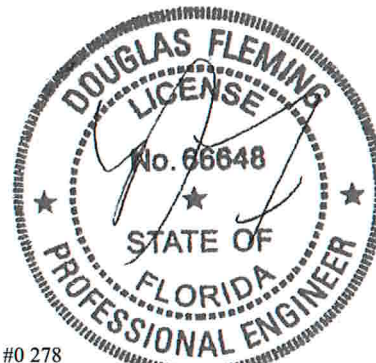
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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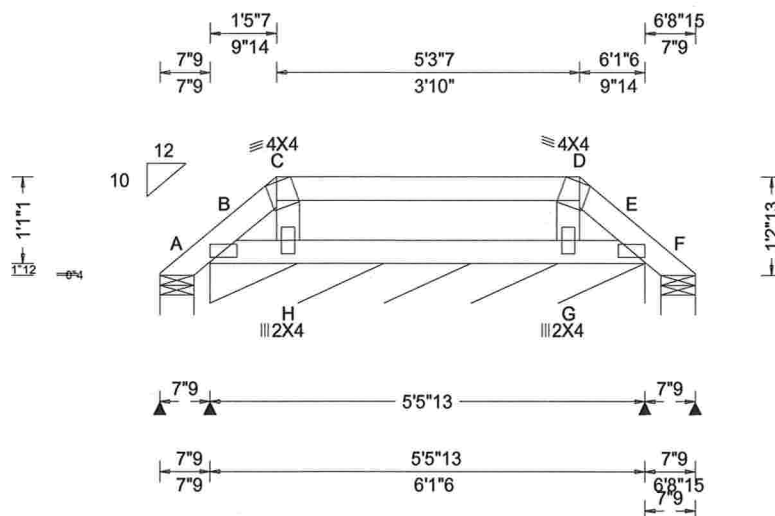
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: P01	Ply: 1 Qty: 1	SEQN: 468357 / T55 HIPS FROM: CDM	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.13540 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 20.63 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(TL): 0.000 C 999 180 HORZ(LL): 0.000 G - - HORZ(TL): 0.000 G - - Creep Factor: 1.5 Max TC CSI: 0.116 Max BC CSI: 0.033 Max Web CSI: 0.009 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 23 / 15 / 32 / - / 33 / 5.2 B* 91 / 16 / 50 / - / - / 65.8 F 23 / 6 / 20 / - / - / 5.2 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - F Min Brg Width Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

All plates are 2X4(B1) except as noted.

Purlins

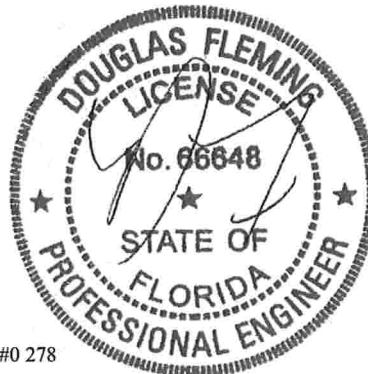
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278

04/14/2017

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Suite 150
Orlando FL, 32837

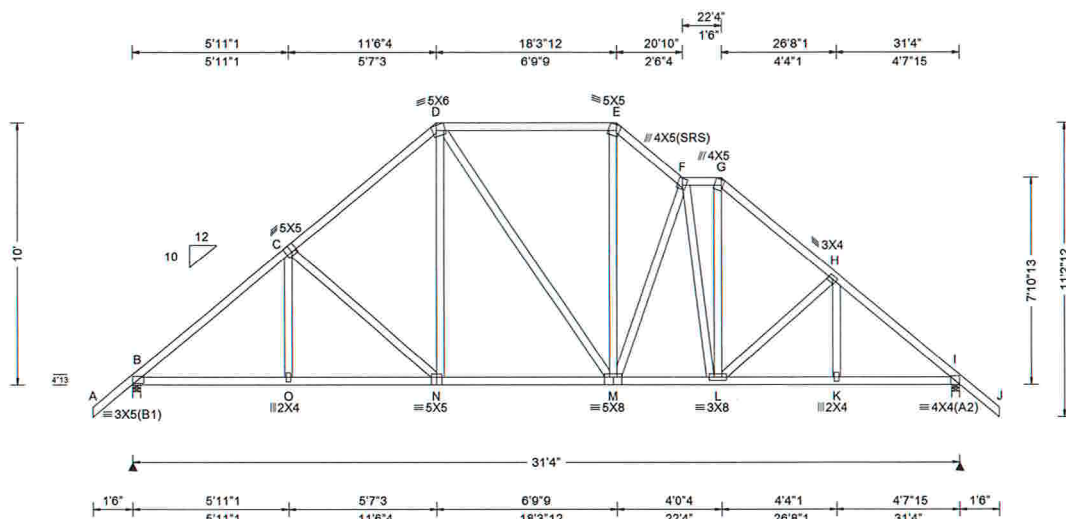
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: N09

Ply: 1
Qty: 1

SEQN: 468450 / T22 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.12450
KM / DF 04/14/2017



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	h to 2h
C&C Dist a:	3.13 ft
Loc. from endwall:	not in 9.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg.Pf in PSF)			
Pg: NA	Ct: NA	CAT: NA	
Pf: NA		Ce: NA	
Lu: NA	Cs: NA		
Snow Duration: NA			

Code / Misc Criteria	
Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	Yes
FT/RT:	20(0)/10(0)
Plate Type(s):	
WAVE	

Defl/CSI Criteria			
PP Deflection in	loc L/defl	L/#	
VERT(LL):	0.044 F	999	240
VERT(TL):	0.117 F	999	180
HORZ(LL):	0.024 K	-	-
HORZ(TL):	0.064 K	-	-
Creep Factor:	1.5		
Max TC CSI:	0.199		
Max BC CSI:	0.227		
Max Web CSI:	0.291		

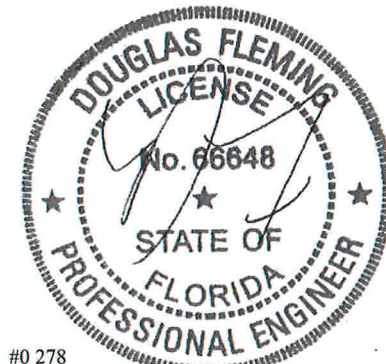
VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
B	1455	/10	/895	/-	/359	/3.5
I	1455	/13	/892	/-	/-	/3.5
Wind reactions based on MWFRS						
B	Min Brg Width Req = 1.5					
I	Min Brg Width Req = 1.5					
Bearings B & I are a rigid surface.						

Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.
B - C	393 - 1780	F - G	380 - 1125				
C - D	427 - 1430	G - H	426 - 1540				
D - E	402 - 1053	H - I	394 - 1798				
E - F	460 - 1357						

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.
B - O	1268 - 162	M - L	1196 - 113				
O - N	1267 - 162	L - K	1294 - 192				
N - M	1012 - 98	K - I	1295 - 192				

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Tens. Comp.	Webs	Tens. Comp.	Webs	Tens. Comp.
D - N	438 - 92	F - L	112 - 404				
M - E	507 - 154	L - G	650 - 171				
M - F	216 - 454						



#0 278
04/14/2017

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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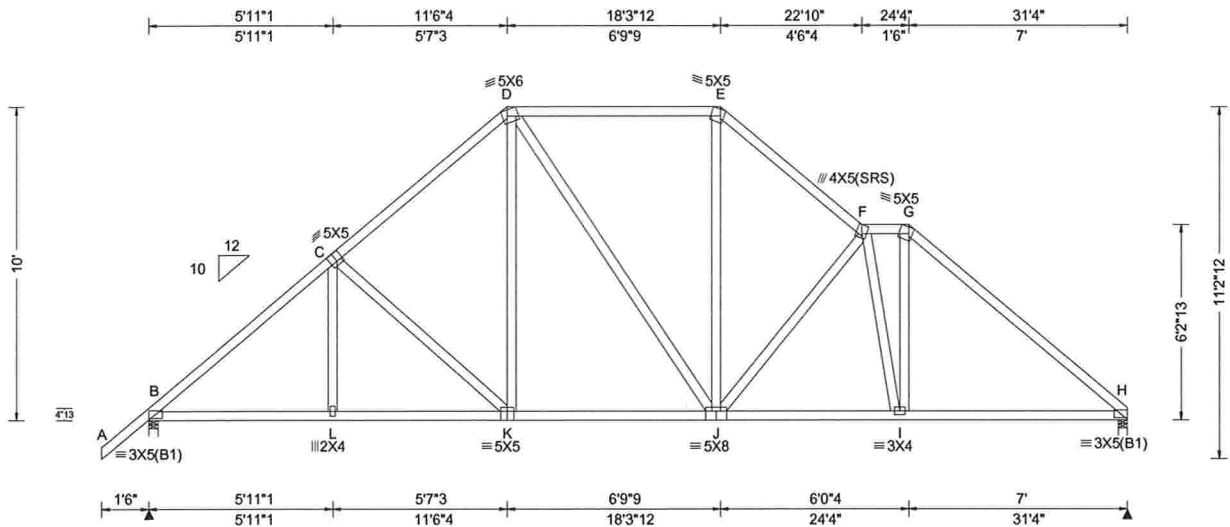
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: N08

Ply: 1
Qty: 1

SEQN: 468452 / T28 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.10607
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.13 ft
Loc. from endwall: not in 9.00 ft
GCpf: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.041 J 999 240
VERT(TL): 0.110 J 999 180
HORZ(LL): 0.022 I - -
HORZ(TL): 0.058 I - -
Creep Factor: 1.5
Max TC CSI: 0.225
Max BC CSI: 0.243
Max Web CSI: 0.296

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)
Loc R / U / Rw / Rh / RL / W
B 1458 / 9 / 895 / - / 334 / 3.5
H 1345 / 4 / 791 / - / - / 3.5
Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
H Min Brg Width Req = 1.5
Bearings B & H are a rigid surface.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - C 399 -1784 E - F 463 -1442
C - D 435 -1435 F - G 400 -1276
D - E 413 -1060 G - H 424 -1764

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - L 1272 -198 J - I 1378 -230
L - K 1271 -198 I - H 1245 -203
K - J 1015 -75

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
D - K 436 -93 F - I 107 -510
J - E 509 -133 I - G 641 -97
J - F 231 -525

Lumber

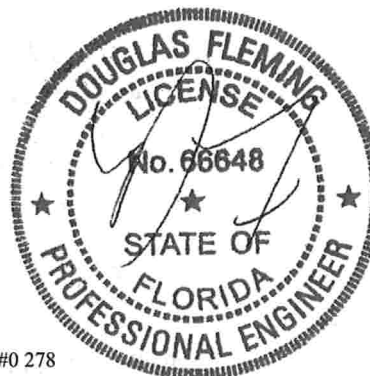
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C
member design.



#0 278
04/14/2017

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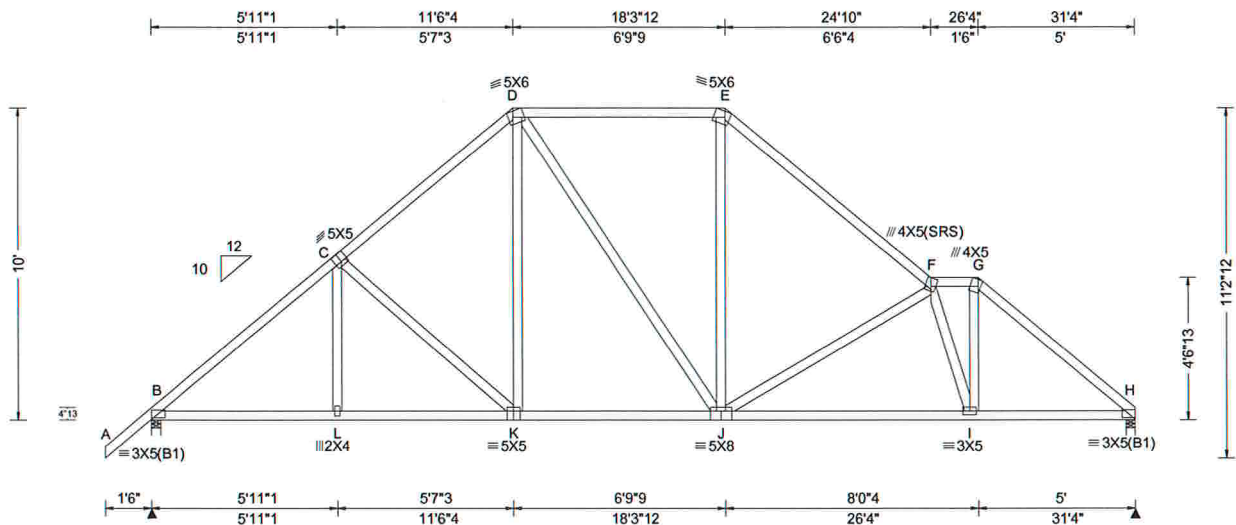
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: N07

Ply: 1
Qty: 1

SEQN: 468454 / T41 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.09393
KM / DF 04/14/2017



Loading Criteria (psf)
TCCL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.13 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.045 J 999 240
VERT(TL): 0.123 J 999 180
HORZ(LL): 0.023 I - -
HORZ(TL): 0.063 I - -
Creep Factor: 1.5
Max TC CSI: 0.204
Max BC CSI: 0.300
Max Web CSI: 0.408

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	U	Rw	Rh	RL	W
B	1458	9	894	-	334	3.5
H	1345	4	789	-	-	3.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
H Min Brg Width Req = 1.5
Bearings B & H are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	394 -1785	E - F	444 -1512
C - D	429 -1433	F - G	394 -1374
D - E	410 -1070	G - H	427 -1820

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - L	1273 -194	J - I	1610 -321
L - K	1272 -194	I - H	1308 -236
K - J	1012 -70		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - K	421 -95	F - I	253 -864
J - E	497 -100	I - G	955 -224
J - F	279 -647		

Lumber

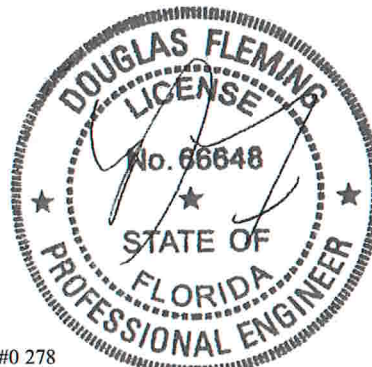
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C
member design.



#0 278

04/14/2017

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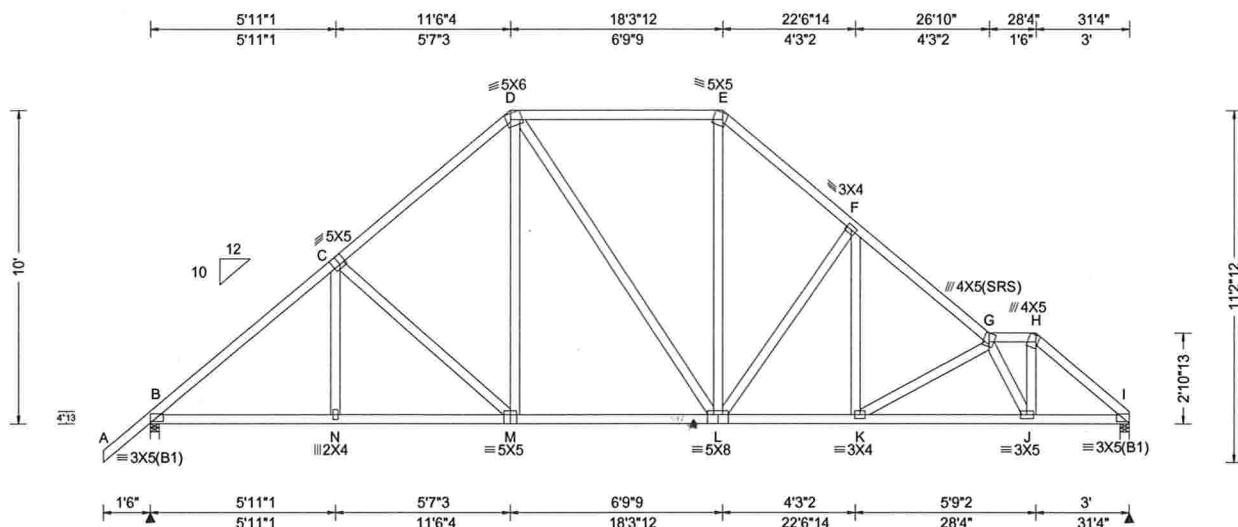
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468456 / T23 SPEC	Cust: R215 JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM	DrwNo: 104.17.1308.08197
Truss Label: N06			KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.13 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.050 K 999 240 VERT(TL): 0.134 K 999 180 HORZ(LL): 0.024 J - - HORZ(TL): 0.066 J - - Creep Factor: 1.5 Max TC CSI: 0.205 Max BC CSI: 0.224 Max Web CSI: 0.313 VIEW Ver: 16.02.01B.0131.17	Maximum Reactions (lbs) Loc R / U / Rw / Rh / RL / W B 1458 / 8 / 893 / - / 334 / 3.5 I 1345 / 4 / 787 / - / - / 3.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 I Min Brg Width Req = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 388 -1784 F - G 487 -1880 C - D 423 -1435 G - H 386 -1451 D - E 397 -1058 H - I 429 -1829 E - F 463 -1448

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

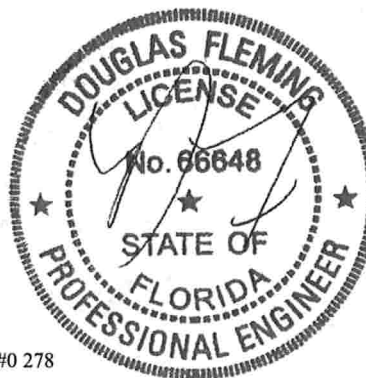
Wind loads based on MWFRS with additional C&C
member design.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	1271 -190	L - K	1369 -205
N - M	1270 -191	K - J	1925 -414
M - L	1015 -68	J - I	1332 -269

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - M	437 -91	K - G	242 -640
L - E	527 -157	G - J	282 -1120
L - F	228 -552	J - H	1061 -234
F - K	445 -115		



#0 278

04/14/2017

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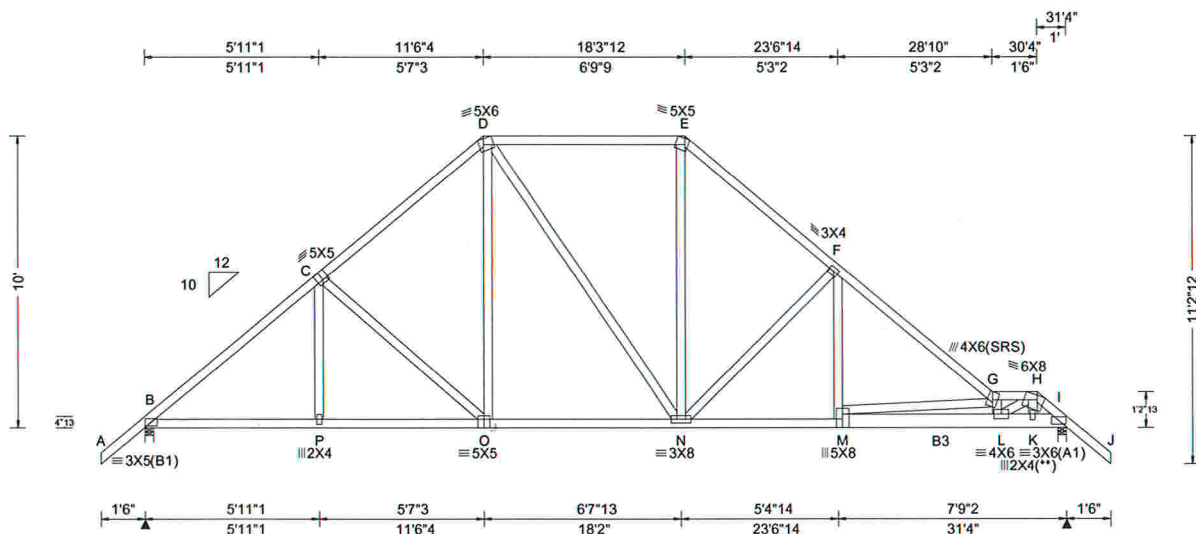
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: N05

Ply: 1
Qty: 1

SEQN: 468484 / T25 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.06777
KM / DF 04/14/2017



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0"

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.13 ft
Loc. from endwall:	not in 9.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)		
Pg: NA	Ct: NA	CAT: NA
Pf: NA	Ce: NA	
Lu: NA	Cs: NA	
Snow Duration: NA		

Code / Misc Criteria	
Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	Yes
FT/RT:	20(0)/10(0)
Plate Type(s):	
WAVE	

Defl/CSI Criteria		
PP Deflection in	loc L/defl	L/#
VERT(LL):	0.069 M	999 240
VERT(TL):	0.179 M	999 180
HORZ(LL):	0.027 D	- -
HORZ(TL):	0.071 D	- -
Creep Factor:	1.5	
Max TC CSI:	0.229	
Max BC CSI:	0.365	
Max Web CSI:	0.587	

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
B	1471	/288	/-	/-	/-	/3.5
I	1800	/538	/-	/-	/-	/3.5
Wind reactions based on MWFRS						
B	Min Brg Width Req = 1.5					
I	Min Brg Width Req = 1.5					
Bearings B & I are a rigid surface.						

Members not listed have forces less than 375#					
Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens.	Comp.	
B - C	350	-1803	F - G	433	-2132
C - D	290	-1454	G - H	688	-3104
D - E	201	-1084	H - I	589	-2083
E - F	303	-1512			

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens.	Comp.	
B - P	1286	-232	M - L	3516	-782
P - O	1285	-233	L - K	1556	-430
O - N	1030	-189	K - I	1491	-418
N - M	1550	-302			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.	Webs	Tens.	Comp.	
D - O	433	0	M - G	485	-1976
N - E	521	-15	G - L	286	-1255
N - F	143	-669	L - H	1883	-313
F - M	500	-45	K - H	380	-72

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31 :B3 2x6 SP M-31:
Webs 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)			
TC- From	66 plf at	-1.50 to	66 plf at 5.88
TC- From	66 plf at	5.88 to	66 plf at 11.52
TC- From	66 plf at	11.52 to	66 plf at 18.31
TC- From	66 plf at	18.31 to	66 plf at 28.83
TC- From	66 plf at	28.83 to	66 plf at 30.33
TC- From	66 plf at	30.33 to	66 plf at 32.83
BC- From	5 plf at	-1.50 to	5 plf at 0.00
BC- From	20 plf at	0.00 to	20 plf at 11.52
BC- From	20 plf at	11.52 to	20 plf at 23.72
BC- From	20 plf at	23.72 to	20 plf at 29.90
BC- From	10 plf at	29.90 to	10 plf at 31.33
BC- From	5 plf at	31.33 to	5 plf at 32.83
TC-	-52 lb Conc. Load	at 30.29	
BC-	410 lb Conc. Load	at 29.90	
BC-	17 lb Conc. Load	at 30.29	

Plating Notes

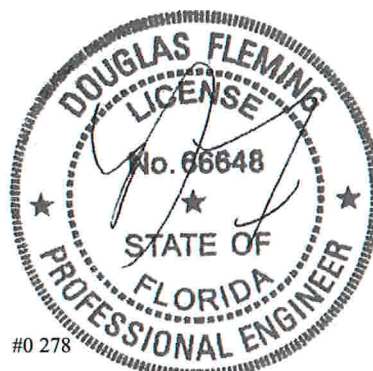
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

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

Wind

Wind loads and reactions based on MWFRS.



04/14/2017

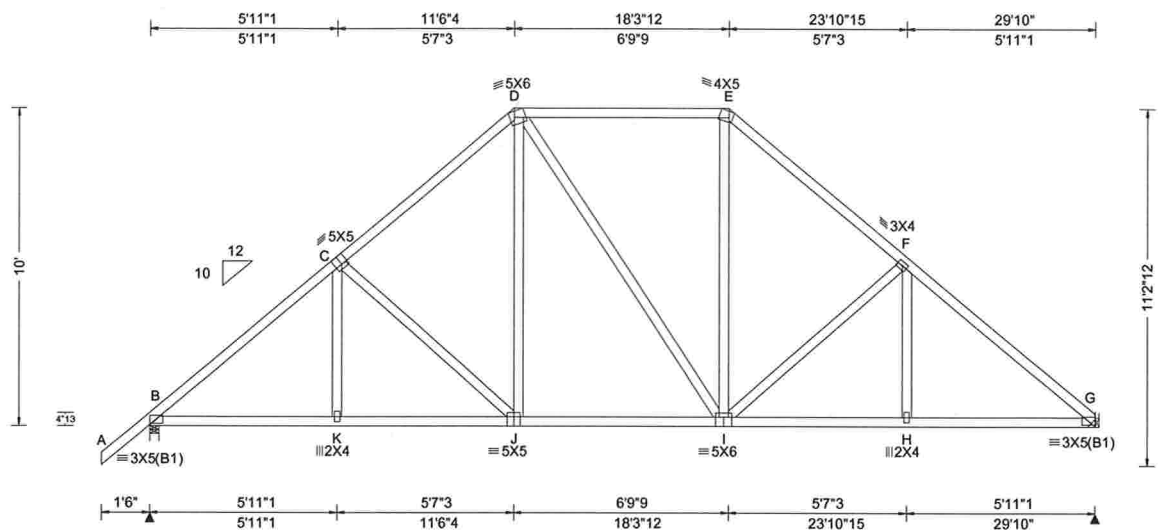
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837



Loading Criteria (psf) TCLL: 20.00 TCDDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp1: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pp: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.035 J 999 240 VERT(TL): 0.095 J 999 180 HORZ(LL): 0.019 H - - HORZ(TL): 0.052 H - - Creep Factor: 1.5 Max TC CSI: 0.190 Max BC CSI: 0.213 Max Web CSI: 0.218 VIEW Ver: 16.02.01B.0131.17	▲ Maximum Reactions (lbs) Loc R /U /Rw /Rh /RL /W B 1394 / 217 / 858 / - / 334 / 3.5 G 1279 / 190 / 759 / - / - / - Wind reactions based on MWFRS B Min Brg Width Req = 1.5 G Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 354 -1689 E - F 401 -1338 C - D 390 -1337 F - G 377 -1709 D - E 358 -943
		Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		
		Lumber		

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangars / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location $x=29'7''$ uses the following support conditions:

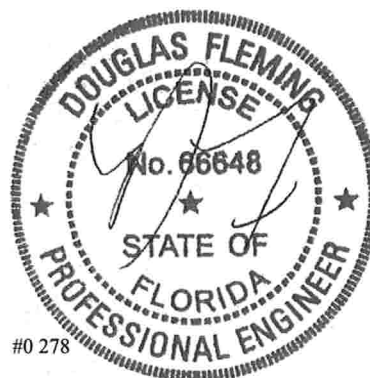
Bearing G (29'7", 10') HUS26
Supporting Member: (1)2x6 SP M-31
(14) 0.148"x3" nails into supporting
member,
(4) 0.148"x3" nails into supported
member.

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

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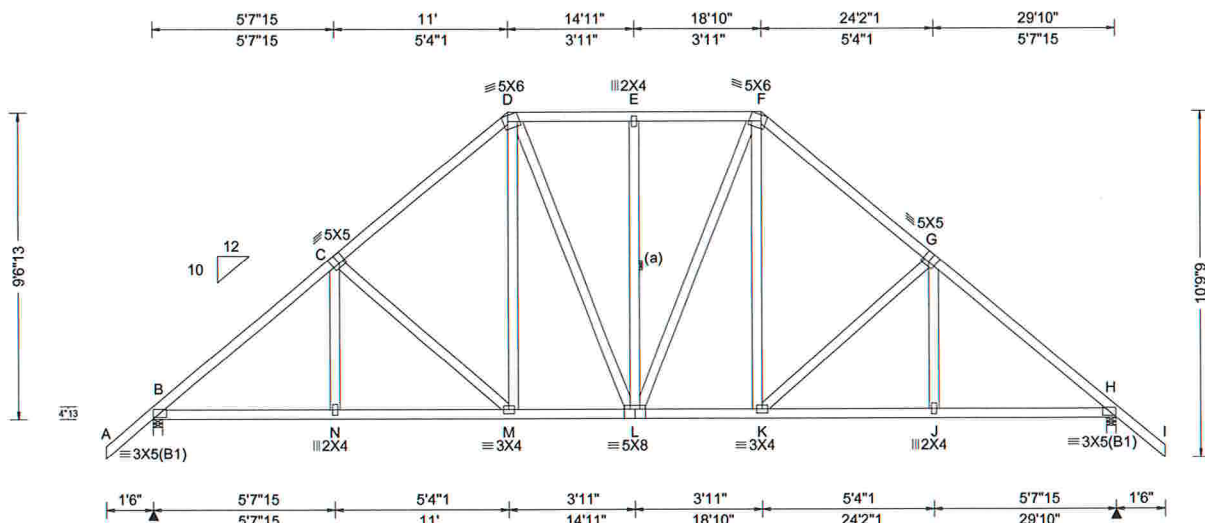


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: N03

Ply: 1
Qty: 1

SEQN: 468462 / T19 HIPS
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1308.03420
KM / DF 04/14/2017



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	h/2 to h
C&C Dist a:	3.00 ft
Loc. from endwall:	not in 9.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)			
Pg: NA	Ct: NA	CAT: NA	L/#
Pf: NA	Ce: NA		
Lu: NA	Cs: NA		
Snow Duration: NA			

Code / Misc Criteria	
Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	Yes
FT/RT:	20(0)/10(0)
Plate Type(s):	WAVE

Defl/CSI Criteria			
PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.037	E	999 240
VERT(TL):	0.098	E	999 180
HORZ(LL):	0.021	J	- -
HORZ(TL):	0.055	J	- -
Creep Factor:	1.5		
Max TC CSI:	0.159		
Max BC CSI:	0.196		
Max Web CSI:	0.181		

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
B	1390	/217	/856	/-	/345	/3.5
H	1390	/217	/856	/-	/-	/3.5
Wind reactions based on MWFRS						
B	Min Brg Width Req = 1.5					
H	Min Brg Width Req = 1.5					
Bearings B & H are a rigid surface.						

Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Chords	Tens.	Comp.	Chords	Tens.	Comp.		
B - C	353	-1691	E - F	365	-1011		
C - D	392	-1354	F - G	392	-1354		
D - E	365	-1011	G - H	352	-1691		

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.	Comp.	Chords	Tens.	Comp.		
B - N	1205	-158	L - K	950	-26		
N - M	1204	-158	K - J	1204	-146		
M - L	950	-99	J - H	1205	-146		

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

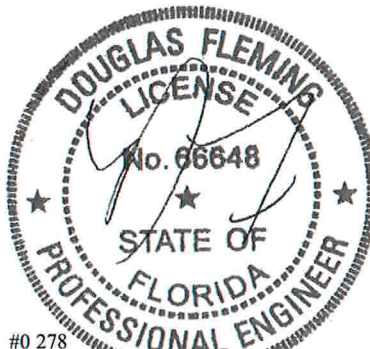
(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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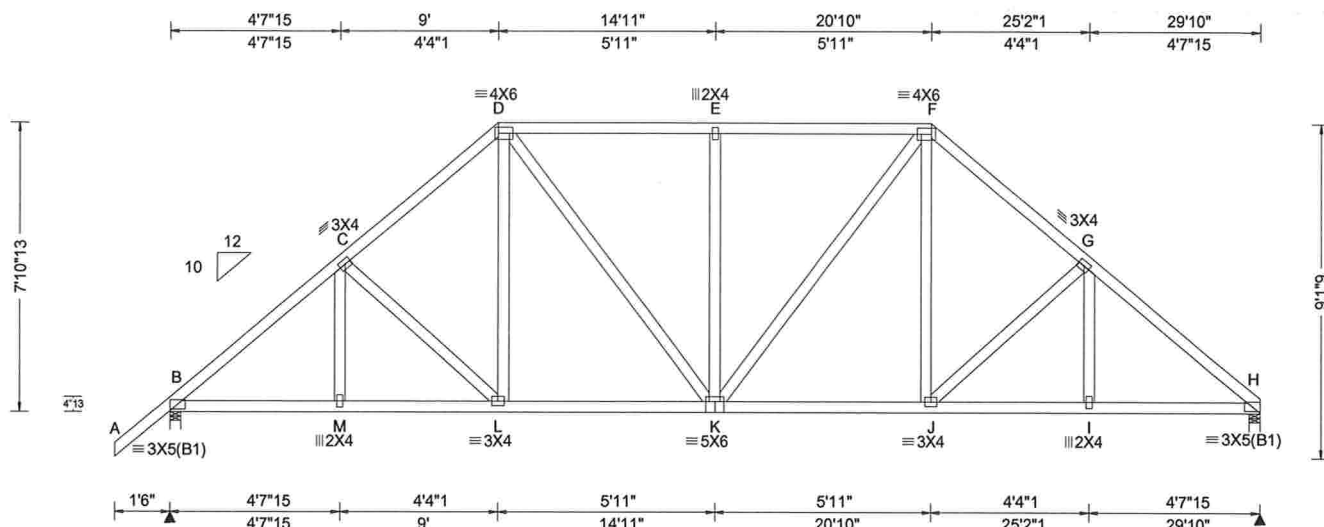
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Job Number: 16-0982	Ply: 1	SEQN: 468464 / T18	HIPS	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1308.02193	
Truss Label: N02				KM / DF	04/14/2017



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCPI: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.041 E 999 240 VERT(TL): 0.110 E 999 180 HORZ(LL): 0.020 I - - HORZ(TL): 0.054 I - - Creep Factor: 1.5 Max TC CSI: 0.180 Max BC CSI: 0.214 Max Web CSI: 0.241 VIEW Ver: 16.02.01B.0131.17	Maximum Reactions (lbs) Loc R / U / Rw / Rh / RL / W B 1393 / 225 / 845 / - / 271 / 3.5 H 1280 / 198 / 747 / - / - / 3.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 H Min Brg Width Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 377 -1703 E - F 416 -1263 C - D 411 -1456 F - G 425 -1465 D - E 416 -1263 G - H 399 -1723
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Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

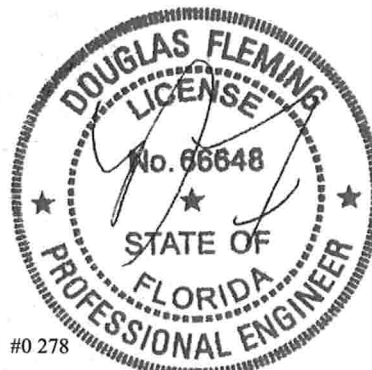
Wind loads based on MWFRS with additional C&C member design.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	1222 -216	K - J	1058 -123
M - L	1221 -216	J - I	1244 -223
L - K	1054 -128	I - H	1245 -222

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
E - K	152 -411



#0 278

04/14/2017

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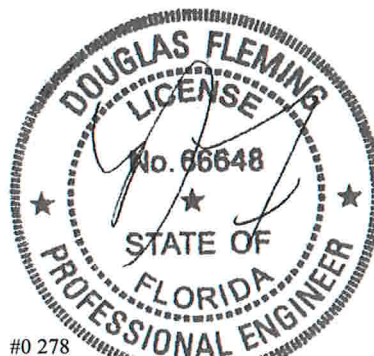
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: N01	Ply: 1 Qty: 1	SEQN: 468476 / T29 SPEC FROM: CDM Page 2 of 2	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1308.00097 KM / DF 04/14/2017
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Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.



#0 278

04/14/2017

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

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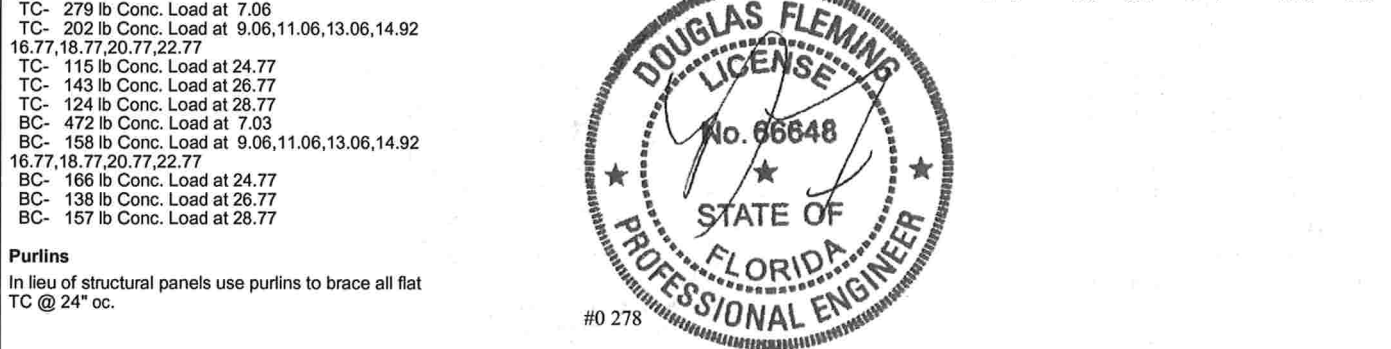
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Lumber		Hangers / Ties	
Top chord 2x6 SP M-31 : T1 2x4 SP M-31:		Recommended hanger connections are based on	
Bot chord 2x6 SP M-31		manufacturer tested capacities and calculations.	
Webs 2x4 SP M-31		Conditions may exist that require different	
:Lt Wedge 2x6 SP M-31:		connections than indicated. Refer to manufacturer	
		publication for additional information.	
Special Loads		Bearing at location x=297" uses the following	
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)		support conditions:	
TC- From 66 plf at -1.50 to 66 plf at 7.00		Bearing I (297", 10") HUS28	
TC- From 33 plf at 7.00 to 33 plf at 22.83		Supporting Member: (1)2x8 SP M-31	
TC- From 33 plf at 22.83 to 33 plf at 27.63		(22) 0.162"x3.5" nails into supporting	
TC- From 33 plf at 27.63 to 33 plf at 29.83		member,	
BC- From 5 plf at -1.50 to 5 plf at 0.00		(8) 0.162"x3.5" nails into supported	
BC- From 20 plf at 0.00 to 20 plf at 7.15		member.	
BC- From 10 plf at 7.15 to 10 plf at 17.51			
BC- From 10 plf at 17.51 to 10 plf at 29.83			
TC- 77 lb Conc. Load at 7.03			



04/14/2017

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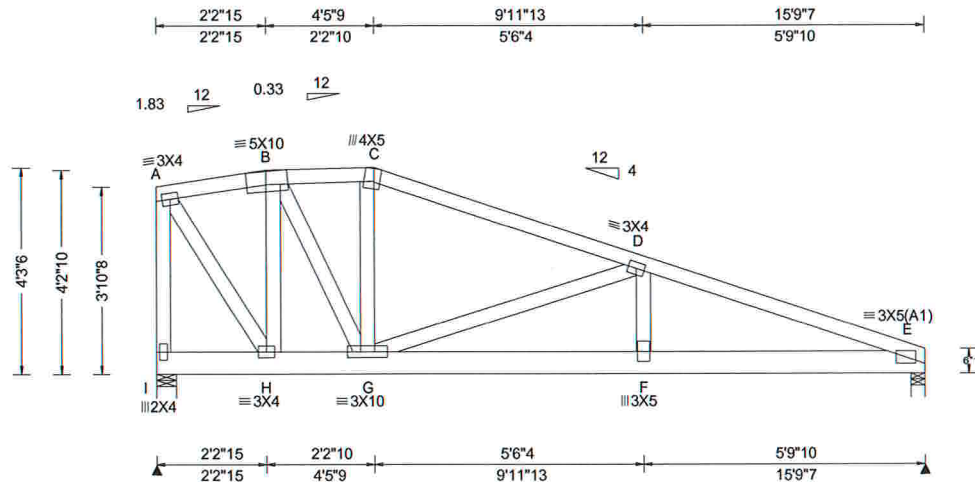
Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: M07

Ply: 2
Qty: 1

SEQN: 468488 / T121 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.28857
KM / DF 04/14/2017

2 Complete Trusses Required



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)									
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL):	0.039	F	999 240	I	1502	/ 28	/ -	/ -	/ -	/ 4.9
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(TL):	0.094	F	999 180	E	2431	/ -	/ 44	/ -	/ -	/ 3.5
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL):	0.012	B	- -	Wind reactions based on MWFRS						
Des Ld:	40.00	EXP:	C			Code / Misc Criteria	HORZ(TL):	0.028	B	- -	I	Min Brg Width Req = 1.5					
NCBCLL:	0.00	Mean Height:	15.00 ft				Creep Factor:	1.5	E	Min Brg Width Req = 1.5							
Soffit:	2.00	TCDL:	5.0 psf				Max TC CSI:	0.114	Bearings I & E are a rigid surface.								
Load Duration:	1.25	BCDL:	5.0 psf				Max BC CSI:	0.290									
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2			Rep Factors Used:	No	Max Web CSI:	0.243	Members not listed have forces less than 375#							
		C&C Dist a:	3.00 ft			FT/RT:	20(0)/10(0)	Maximum Top Chord Forces Per Ply (lbs)									
		Loc. from endwall:	NA			Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.									
		GCpi:	0.18			WAVE		A - B 6 -422 C - D 12 -817									
		Wind Duration:	1.60					B - C 0 -754 D - E 0 -2113									

Lumber

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

Nailnote

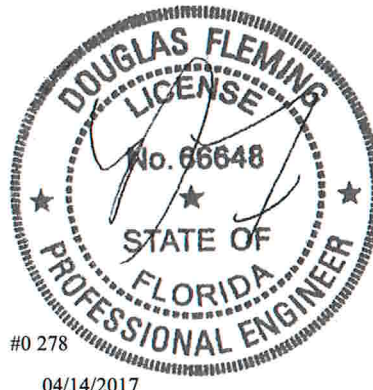
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 8.50" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 2.25
TC- From 60 plf at 2.25 to 60 plf at 4.46
TC- From 61 plf at 4.46 to 61 plf at 15.78
BC- From 20 plf at 0.00 to 20 plf at 2.72
BC- From 10 plf at 2.72 to 10 plf at 15.78
BC- 140 lb Conc. Load at 2.72
BC- 226 lb Conc. Load at 4.72
BC- 312 lb Conc. Load at 6.72
BC- 398 lb Conc. Load at 8.72
BC- 484 lb Conc. Load at 10.72
BC- 570 lb Conc. Load at 12.72
BC- 656 lb Conc. Load at 14.72

Wind

Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.



#0 278

04/14/2017

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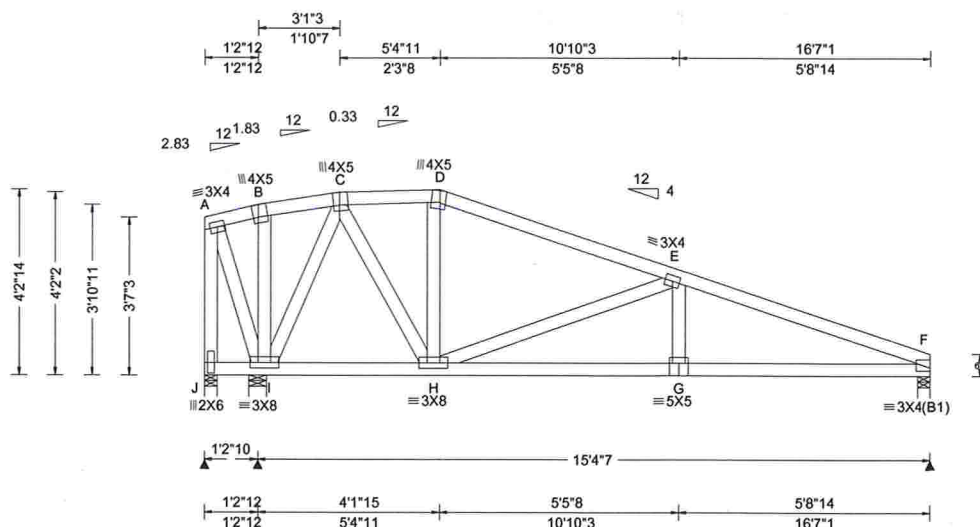
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Job Number: 16-0982	Ply: 1	SEQN: 468491 / T106	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.26913	
Truss Label: M06				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.023 G 999 240 VERT(TL): 0.060 G 999 180 HORZ(LL): 0.008 C - - HORZ(TL): 0.020 C - - Creep Factor: 1.5 Max TC CSI: 0.117 Max BC CSI: 0.153 Max Web CSI: 0.235 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W J -613 / 613 / 67 / - / 89 / 3.4 I 1373 / 217 / 808 / - / - / 4.9 F 564 / 95 / 351 / - / - / 3.5 Wind reactions based on MWFRS J Min Brg Width Req = 1.5 I Min Brg Width Req = 1.5 F Min Brg Width Req = 1.5 Bearings J, I, & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -613# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

D - E 211 -386 E - F 456 -1040

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

H - G 931 -383 G - F 936 -381

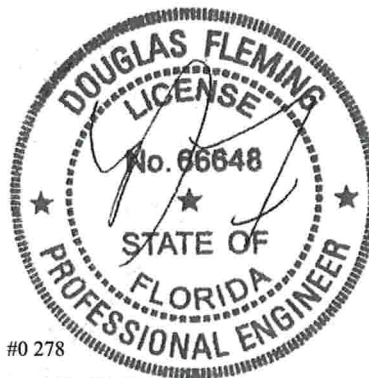
Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - J 603 -225 C - H 555 -309

A - I 248 -596 H - E 374 -663

I - C 374 -670



#0 278

04/14/2017

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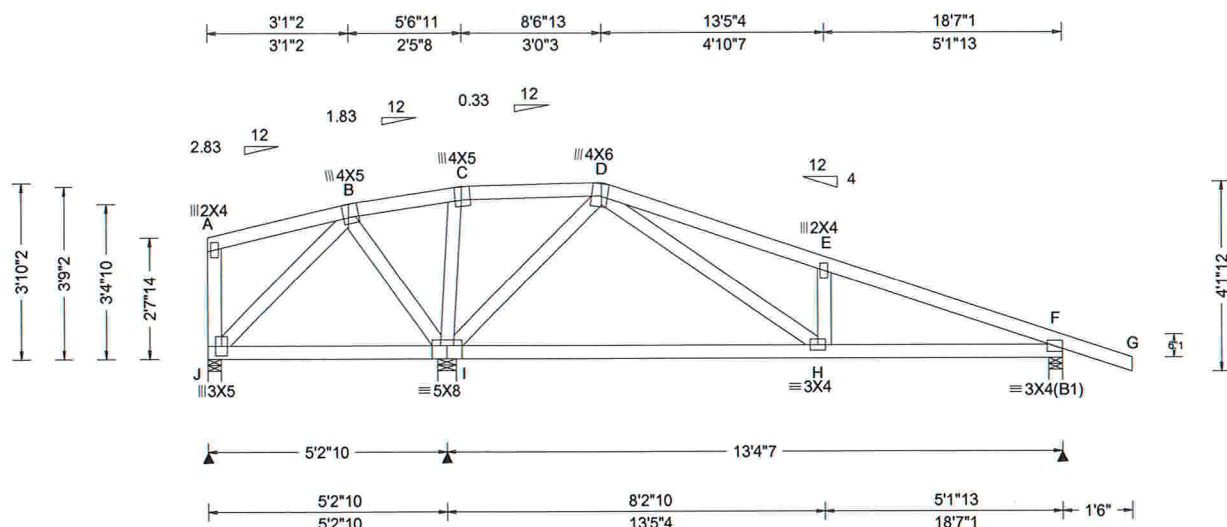
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: M05

Ply: 1
Qty: 1

SEQN: 468494 / T5 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.25800
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/def L/#
VERT(LL): 0.017 E 999 240
VERT(TL): 0.044 E 999 180
HORZ(LL): 0.003 D - -
HORZ(TL): 0.008 D - -
Creep Factor: 1.5
Max TC CSI: 0.121
Max BC CSI: 0.168
Max Web CSI: 0.158

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
J	11	/260	/10	/-	/76	/3.4
I	1255	/203	/731	/-	/-	/4.9
F	507	/105	/330	/-	/-	/3.5

Wind reactions based on MWFRS
J Min Brg Width Req = 1.5
I Min Brg Width Req = 1.5
F Min Brg Width Req = 1.5
Bearings J, I, & F are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	548 -94	D - E	213 -614
C - D	509 -71	E - F	166 -639

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
H - F	560 -110

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	454 -62	I - D	213 -655
B - I	155 -452	D - H	727 -185

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

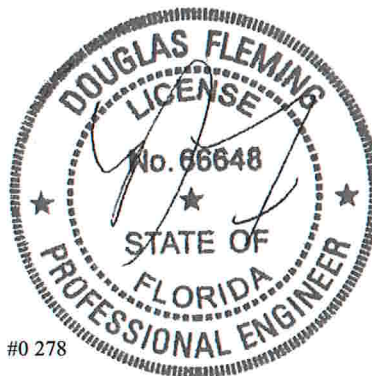
Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -260# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



#0 278

04/14/2017

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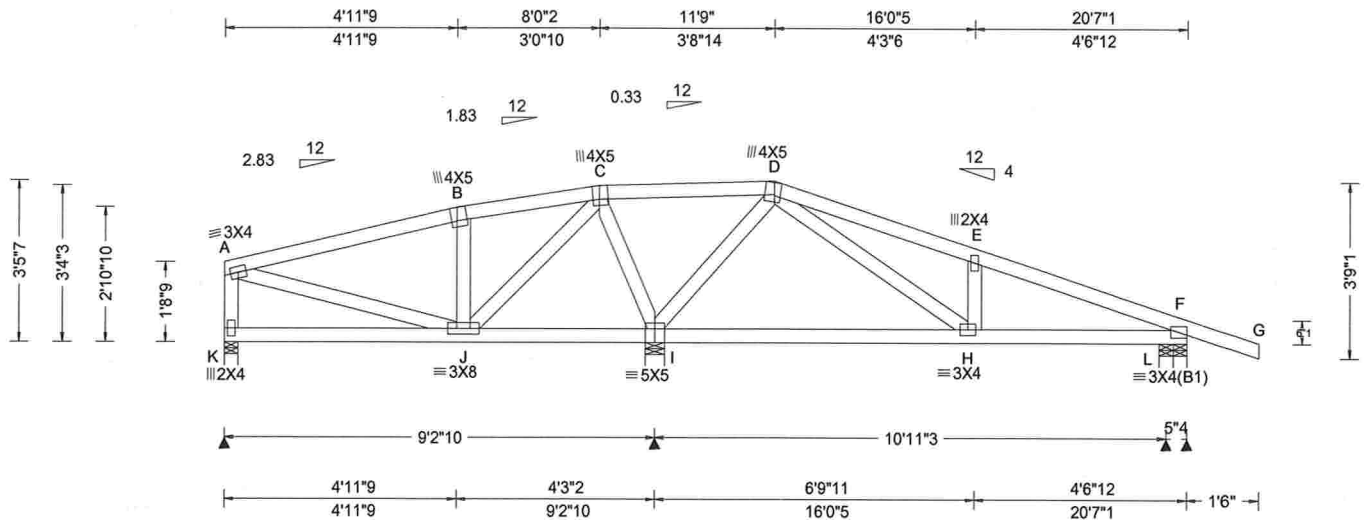
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: M04

Ply: 1
Qty: 1

SEQN: 468497 / T115 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.24587
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCPI: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA
Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.011 E 999 240
VERT(TL): 0.031 E 999 180
HORZ(LL): -0.002 E - -
HORZ(TL): 0.006 D - -
Creep Factor: 1.5
Max TC CSI: 0.119
Max BC CSI: 0.139
Max Web CSI: 0.107
VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)
Loc R /U /Rw /Rh /RL /W
K 264 /44 /110 /- /52 /3.4
I 1126 /200 /625 /- /- /4.9
L 53 /44 /67 /- /- /3.7
F 490 /97 /292 /- /- /3.4
Wind reactions based on MWFRS
K Min Brg Width Req = 1.5
I Min Brg Width Req = 1.5
L Min Brg Width Req = 1.5
L Min Brg Width Req = 1.5
Bearings K, I, L, & L are a rigid surface.

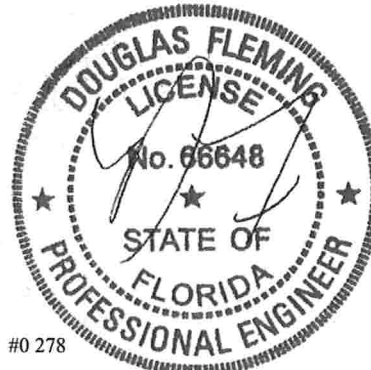
Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind
Wind loads based on MWFRS with additional C&C member design.

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
C - D 506 -89 E - F 123 -506
D - E 164 -480

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp.
H - F 878 -146

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
J - C 475 -156 I - D 206 -607
C - I 217 -572 D - H 621 -169



#0 278

04/14/2017

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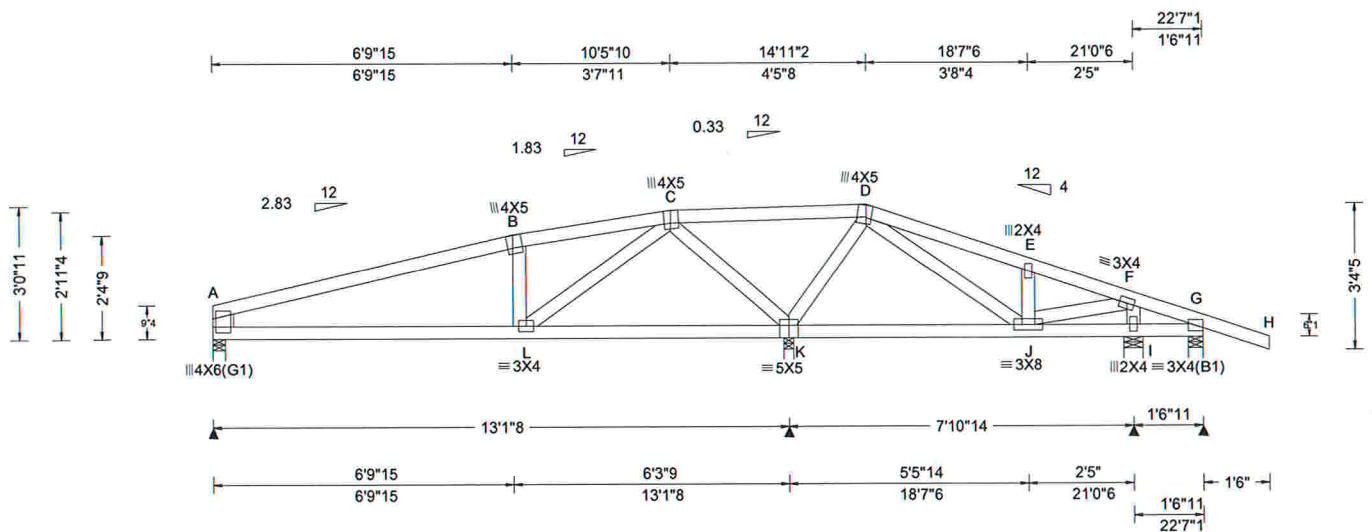
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: M03

Ply: 1
Qty: 1

SEQN: 468500 / T105 COMN
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.23490
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.010 B 999 240
VERT(TL): 0.029 B 999 180
HORZ(LL): 0.003 L - -
HORZ(TL): 0.008 L - -
Creep Factor: 1.5
Max TC CSI: 0.176
Max BC CSI: 0.188
Max Web CSI: 0.121

VIEW Ver: 16.02.01B.0131.17

Maximum Reactions (lbs)

Loc	R	U	Rw	Rh	RL	W
A	432	/85	/218	/-	/51	/3.4
K	1100	/191	/579	/-	/-	/2.7
I	326	/55	/164	/-	/-	/5.3
G	173	/59	/110	/-	/-	/4.0

Wind reactions based on MWFRS

A Min Brg Width Req = 1.5
K Min Brg Width Req = 1.5
I Min Brg Width Req = 1.5
G Min Brg Width Req = 1.5

Bearings A, K, I, & G are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	224 -673	C - D	506 -117
B - C	239 -595		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
A - L	607 -158

Maximum Web Forces Per Ply (lbs)

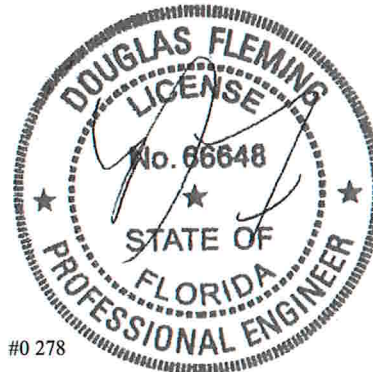
Webs	Tens.Comp.	Webs	Tens. Comp.
L - C	652 -199	K - D	179 -518
C - K	293 -773	D - J	403 -122

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31
Lt Stub Wedge 2x4 SP M-31:

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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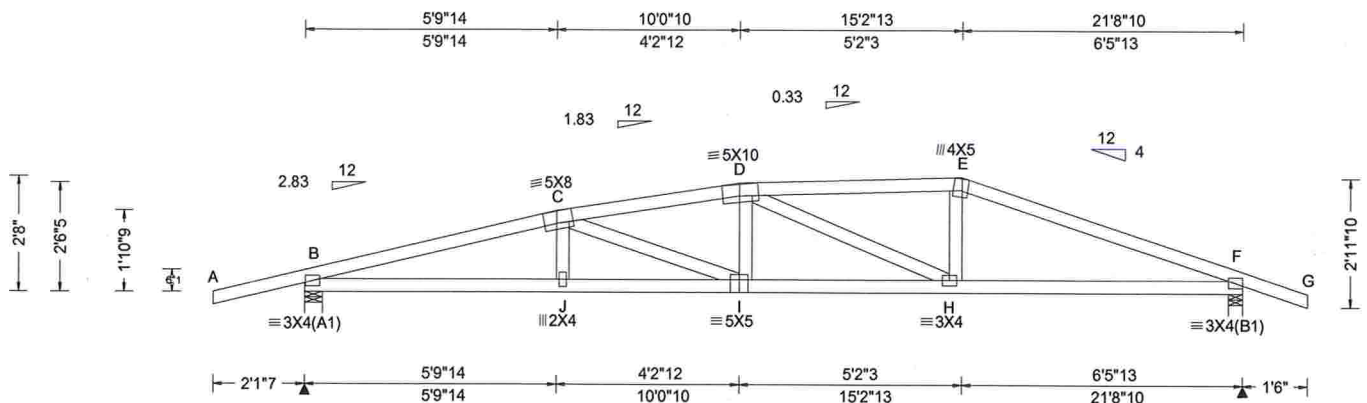
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468503 / T88	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.21643	
Truss Label: M02				KM / DF	04/14/2017



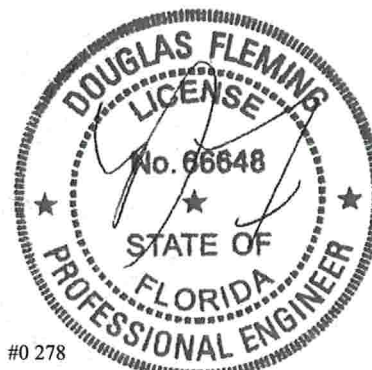
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.117 I 999 240 VERT(TL): 0.286 I 900 180 HORZ(LL): 0.029 H - - HORZ(TL): 0.071 H - - Creep Factor: 1.5 Max TC CSI: 0.364 Max BC CSI: 0.432 Max Web CSI: 0.128 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 1014 / 220 / 526 / - / 53 / 4.9 F 970 / 188 / 575 / - / - / 4.0 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 F Min Brg Width Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 690 -2236 D - E 533 -1654 C - D 662 -2100 E - F 529 -1774

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind
Wind loads based on MWFRS with additional C&C member design.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	2124 -607	I - H	2061 -558
J - I	2125 -602	H - F	1616 -438

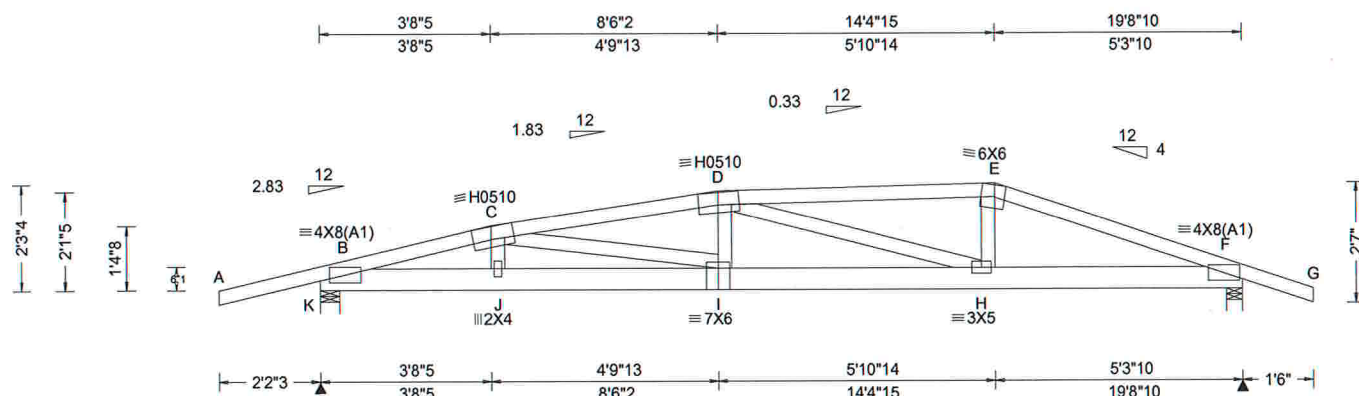
Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
D - H	197 -453



#0 278
04/14/2017

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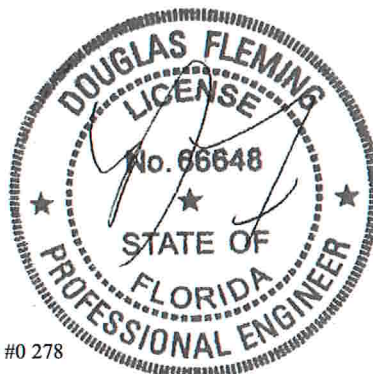
C - I	1069	- 146	H - E	905	- 122
D - H	217	- 1390			

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	Conc.	61 plf at	-2.18 to	30 plf at	61 plf at	0.76
TC- From	30 plf at	0.76 to	30 plf at	3.69		
TC- From	30 plf at	3.69 to	30 plf at	8.51		
TC- From	30 plf at	8.51 to	30 plf at	14.41		
TC- From	61 plf at	14.41 to	61 plf at	21.22		
BC- From	4 plf at	-2.18 to	4 plf at	0.00		
BC- From	10 plf at	0.00 to	10 plf at	14.41		
BC- From	20 plf at	14.41 to	20 plf at	19.72		
BC- From	4 plf at	19.72 to	4 plf at	21.22		
TC- -78 lb Conc. Load at				0.76		
TC- 216 lb Conc. Load at				3.69		
TC- 120 lb Conc. Load at				6.14		
TC- 596 lb Conc. Load at				8.51		
TC- 217 lb Conc. Load at				11.78		
TC- 210 lb Conc. Load at				13.79		
TC- 207 lb Conc. Load at				14.41		
BC- -6 lb Conc. Load at				0.76		
BC- 136 lb Conc. Load at				3.69		
BC- 81 lb Conc. Load at				6.14		
BC- 126 lb Conc. Load at				8.51		
BC- 147 lb Conc. Load at				11.78, 13.79		
BC- 370 lb Conc. Load at				14.41		

Wind loads and reactions based on MWFRS.



04/14/2017

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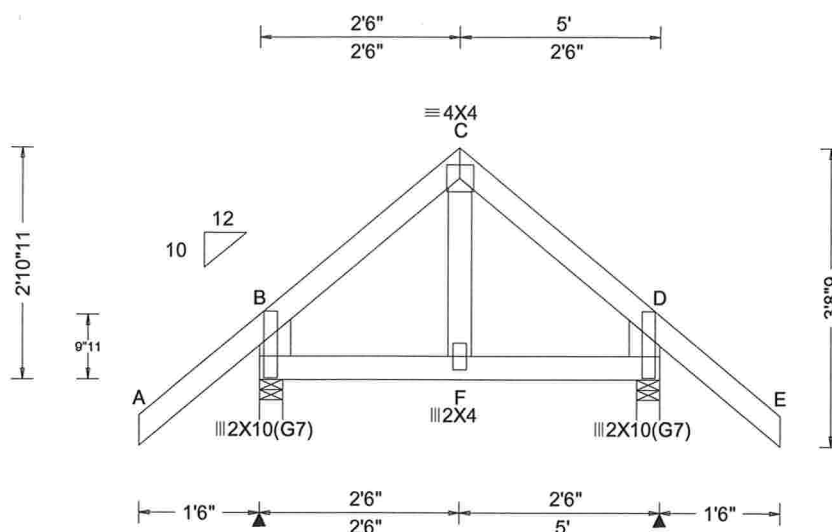
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Job Number: 16-0982	Ply: 1	SEQN: 468480 / T76	COMN	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.16237	
Truss Label: L02				KM / DF	04/14/2017



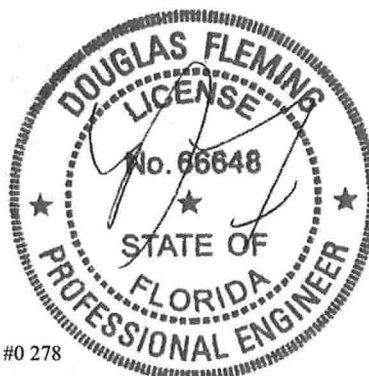
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 F 999 240	B 322 / 52 / 229 / - / 131 / 3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.004 F 999 180	D 322 / 52 / 229 / - / - / 3.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 F - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.003 F - -	B Min Brg Width Req = 1.5
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	D Min Brg Width Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.085	Bearings B & D are a rigid surface.
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.037	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.008	
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#
	Loc. from endwall: Any			
	GCpi: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria		
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: Yes		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE		
			VIEW Ver: 16.02.01B.0131.17	

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31
:Lt Stub Wedge 2x6 SP M-31:
:Rt Stub Wedge 2x6 SP M-31:

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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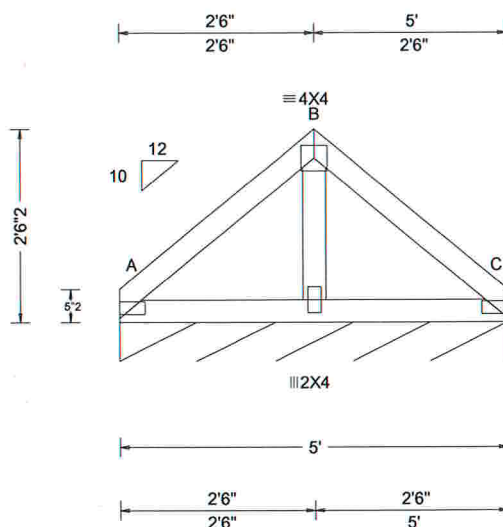
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: L01	Ply: 1 Qty: 1	SEQN: 468355 / T21 FROM: CDM	GABL Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1307.14997 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.000 D 999 240 VERT(TL): 0.000 D 999 180 HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.031 Max BC CSI: 0.026 Max Web CSI: 0.003 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W C* 86 / 11 / 49 / - / 12 / 60.0 Wind reactions based on MWFRS A Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Plating Notes

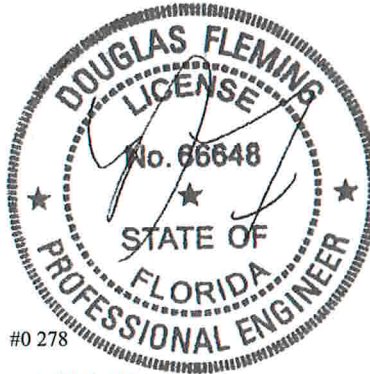
All plates are 2X4(B1) except as noted.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.



04/14/2017

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

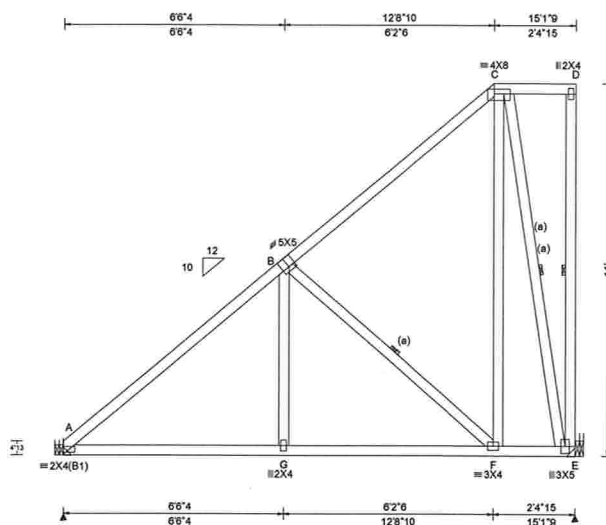
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 467757 / T69	MONO	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.13913	
Truss Label: K07				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 G 999 240	A 656 / - / 440 / - / 203 / -
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.023 G 999 180	E 645 / 125 / 470 / - / - / -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 B - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.013 B - -	A Min Brg Width Req = -
NCBCLL: 10.00	Mean Height: 15.70 ft		Creep Factor: 1.5	E Min Brg Width Req = -
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.220	
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.192	Members not listed have forces less than 375#
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.178	Maximum Top Chord Forces Per Ply (lbs)
	C&C Dist a: 3.00 ft			Chords Tens.Comp.
	Loc. from endwall: not in 9.00 ft			A - B 0 - 762
	GCpi: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria	VIEW Ver: 16.02.01B.0131.17	
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: Yes		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE		

Lumber	Purlins	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP M-31	In lieu of structural panels use purlins to brace all flat	Chords Tens.Comp. Chords Tens. Comp.
Bot chord 2x4 SP M-31	TC @ 24" oc.	A - G 497 -231 G - F 496 -231
Webs 2x4 SP M-31		
Bracing	Wind	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Wind loads based on MWFRS with additional C&C member design.	Webs Tens.Comp. Webs Tens. Comp.
	Right end vertical not exposed to wind pressure.	B - F 236 -500 C - E 256 -568
		C - F 440 -134

Hangers / Ties
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. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Bearing at location x=0' uses the following support conditions:

Bearing A (0', 10') LUS26

Supporting Member: (2)2x6 SP M-31

(4) 0.148"x3" nails into supporting member,

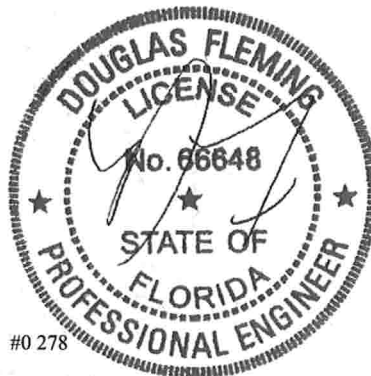
(3) 0.148"x3" nails into supported member.

Bearing E (14'10"9, 10') LSU26

Supporting Member: (2)2x6 SP M-31

(6) SD9112, 0.131"x1.5" into supporting member,

(5) SD9112, 0.131"x1.5" into supported member.



#0 278

04/14/2017

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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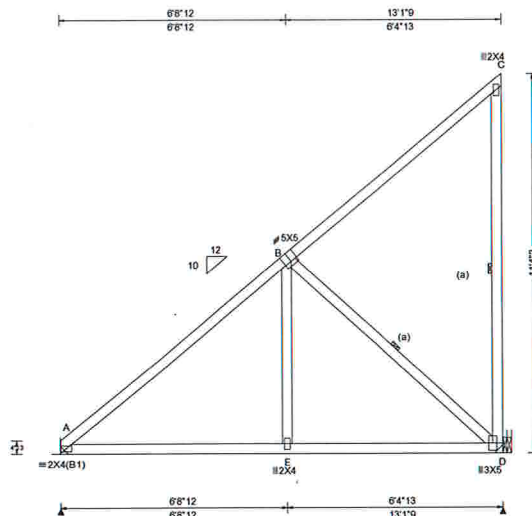
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: K06

Ply: 1
Qty: 1

SEQN: 468275 / T44 MONO
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.12780
KM / DF 04/14/2017



Loading Criteria (psf)
TCCL: 20.00
TCDL: 10.00
BCCL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.87 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.004 E 999 240
VERT(TL): 0.011 E 999 180
HORZ(LL): 0.004 E - -
HORZ(TL): 0.012 E - -
Creep Factor: 1.5
Max TC CSI: 0.311
Max BC CSI: 0.218
Max Web CSI: 0.102

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)
Loc R / U / Rw / Rh / RL / W

A 570 / - / 371 / - / 210 / -
D 559 / 110 / 466 / - / - / -
Wind reactions based on MWFRS
A Min Brg Width Req = -
D Min Brg Width Req = -

Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp.

A - B 0 - 628

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.

A - E 393 - 187 E - D 391 - 187

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp.

B - D 252 - 526

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

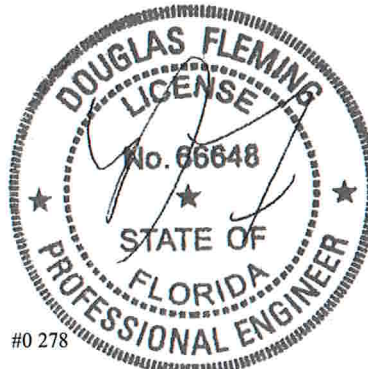
Bearing at location x=0' uses the following support conditions:

Bearing A (0', 10') LUS26
Supporting Member: (2)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bearing D (12'10"9, 10') LSU26
Supporting Member: (2)2x6 SP M-31
(6) SD9112, 0.131"x1.5" into supporting member,
(5) SD9112, 0.131"x1.5" into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.



04/14/2017

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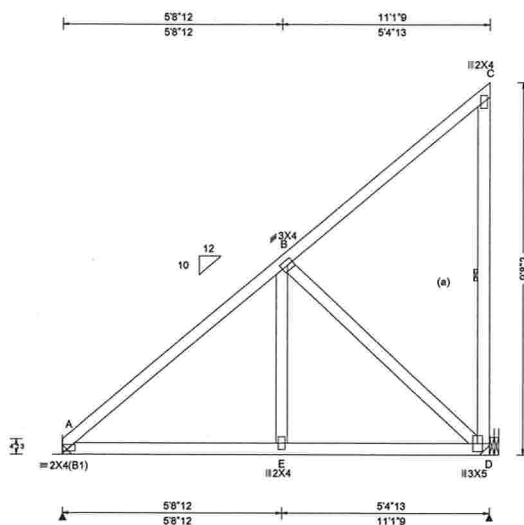
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468276 / T72	MONO	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.11603	
Truss Label: K05				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 E 999 240	A 484 / - / 314 / - / 176 / -
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.008 E 999 180	D 473 / 91 / 395 / - / - / -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 E - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.007 E - -	A Min Brg Width Req = -
NCBCLL: 10.00	Mean Height: 15.04 ft		Creep Factor: 1.5	D Min Brg Width Req = -
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.221	
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.157	Members not listed have forces less than 375#
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.225	Maximum Top Chord Forces Per Ply (lbs)
	C&C Dist a: 3.00 ft			Chords Tens.Comp.
	Loc. from endwall: not in 9.00 ft			A - B 0 - 527
	GCpi: 0.18			
	Wind Duration: 1.60			
			VIEW Ver: 16.02.01B.0131.17	

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.
B - D 223 - 444

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Bearing at location x=0' uses the following support conditions:

Bearing A (0', 10') LUS26

Supporting Member: (2)2x6 SP M-31

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member.

Bearing D (10'10"9, 10') LSU26

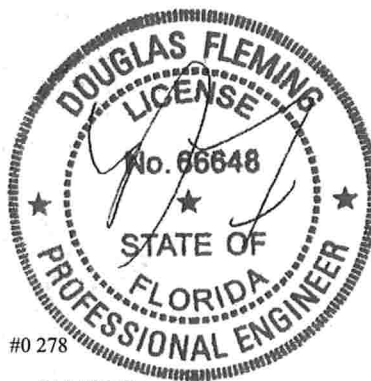
Supporting Member: (2)2x6 SP M-31

(6) SD9112, 0.131"x1.5" into supporting

member,

(5) SD9112, 0.131"x1.5" into supported

member.



#0 278

04/14/2017

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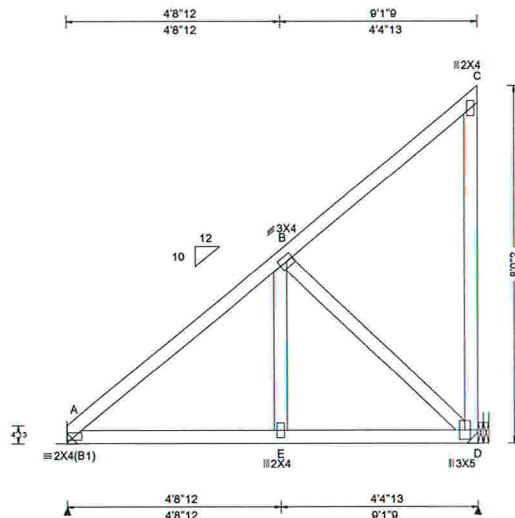
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ALPINE
AN ITW COMPANY
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Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: K04	Ply: 1 Qty: 1	SEQN: 468280 / T77 FROM: CDM	MONO Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1307.10300 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 E 999 240 VERT(TL): 0.006 E 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.004 E - - Creep Factor: 1.5 Max TC CSI: 0.141 Max BC CSI: 0.106 Max Web CSI: 0.122 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 398 / - / 258 / - / 144 / - D 387 / 74 / 323 / - / - / - Wind reactions based on MWFRS A Min Brg Width Req = - D Min Brg Width Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 0 -426

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

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. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Bearing at location x=0' uses the following support conditions:

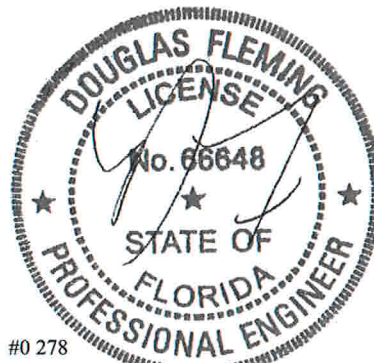
Bearing A (0', 10') LUS26
Supporting Member: (2)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bearing D (8'10"9, 10') LSU26
Supporting Member: (2)2x6 SP M-31
(6) SD9112, 0.131"x1.5" into supporting member,
(5) SD9112, 0.131"x1.5" into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.



#0 278

04/14/2017

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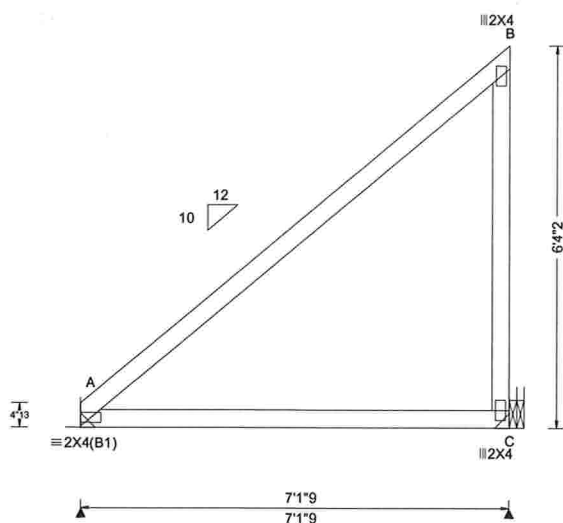
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ALPINE
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468277 / T4	MONO	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1307.09003	
Truss Label: K03				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R / U / Rw / Rh / RL / W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	A 312 / - / 202 / - / 112 / -
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C 301 / 58 / 252 / - / - / -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 C - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C		HORZ(TL): 0.034 C - -	A Min Brg Width Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	C Min Brg Width Req = -
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.342	
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.228	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.076	
	C&C Dist a: 3.00 ft			
	Loc. from endwall: not in 9.00 ft			
	GCpi: 0.18			
	Wind Duration: 1.60			
		Code / Misc Criteria		
		Bldg Code: FBC 2014 RES		
		TPI Std: 2007		
		Rep Factors Used: Yes		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE		
			VIEW Ver: 16.02.01B.0131.17	

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

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. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Bearing at location x=0' uses the following support conditions:

Bearing A (0', 10') LUS26

- Supporting Member: (2)2x6 SP M-31
- (4) 0.148"x3" nails into supporting member,
- (3) 0.148"x3" nails into supported member.

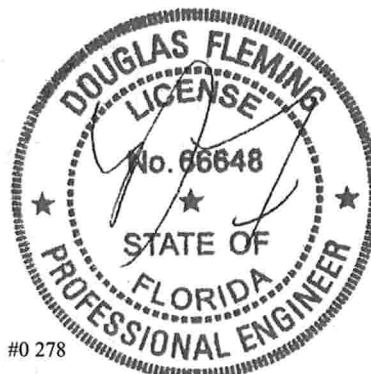
Bearing C (6'10"9, 10') LSU26

- Supporting Member: (2)2x6 SP M-31
- (6) SD9112, 0.131"x1.5" into supporting member,
- (5) SD9112, 0.131"x1.5" into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

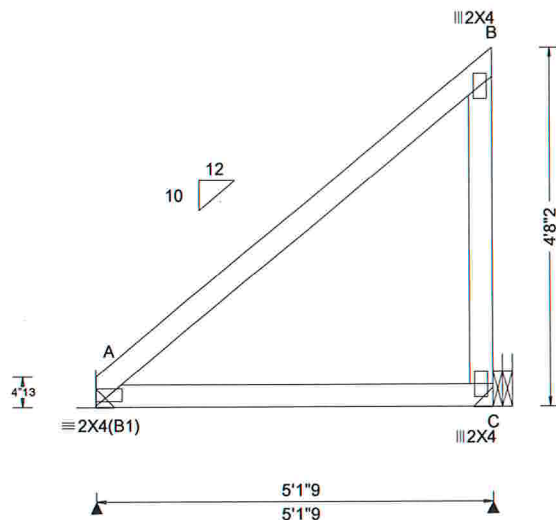
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: K02	Ply: 1 Qty: 1	SEQN: 468278 / T70 MONO FROM: CDM	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1307.04297 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.005 C - - HORZ(TL): 0.013 C - - Creep Factor: 1.5 Max TC CSI: 0.167 Max BC CSI: 0.116 Max Web CSI: 0.029 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 226 / - / 146 / - / 80 / - C 215 / 42 / 180 / - / - / - Wind reactions based on MWFRS A Min Brg Width Req = - C Min Brg Width Req = - Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions:

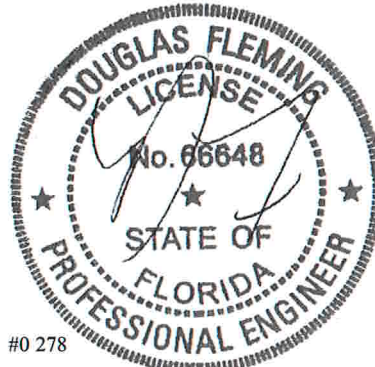
Bearing A (0', 10') LUS26
Supporting Member: (2)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bearing C (4'10"9, 10') LSU26
Supporting Member: (2)2x6 SP M-31
(6) 0.148"x3" nails into supporting member,
(5) 0.148"x1.5" nails into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.



#0 278

04/14/2017

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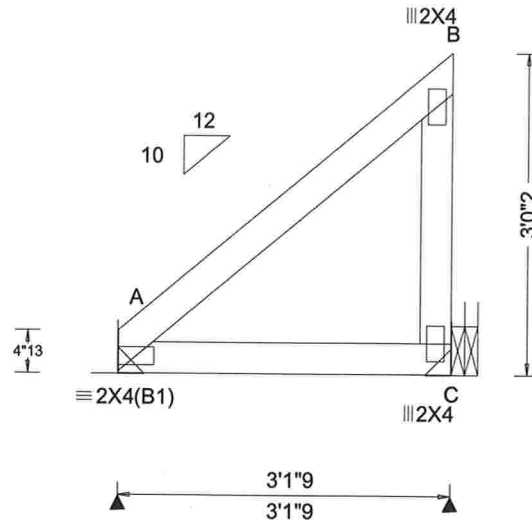
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: K01

Ply: 1
Qty: 1

SEQN: 468279 / T73 SPEC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1307.03237
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	A	140	/ -	/ 90	/ -	/ 48	/ -
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C	129	/ 26	/ 108	/ -	/ -	/ -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	Wind reactions based on MWFRS						
	EXP: C		HORZ(TL): 0.003 C - -	A	Min Brg Width Req = -					
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 1.5	C	Min Brg Width Req = -					
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.053	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max BC CSI: 0.039							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2007	Max Web CSI: 0.012							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 16.02.01B.0131.17							

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Hangers / Ties

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' , y=10' uses the following support conditions:

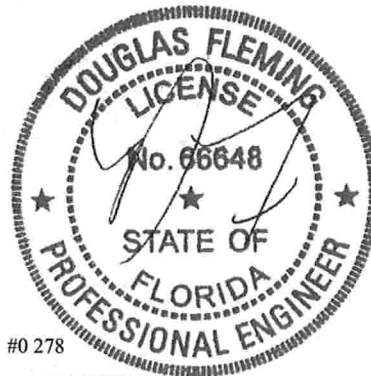
Bearing A (0', 10') LUS26
Supporting Member: (2)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bearing C (2'10"9, 10') LSU26
Supporting Member: (2)2x6 SP M-31
(6) 0.148"x3" nails into supporting member,
(5) 0.148"x1.5" nails into supported member.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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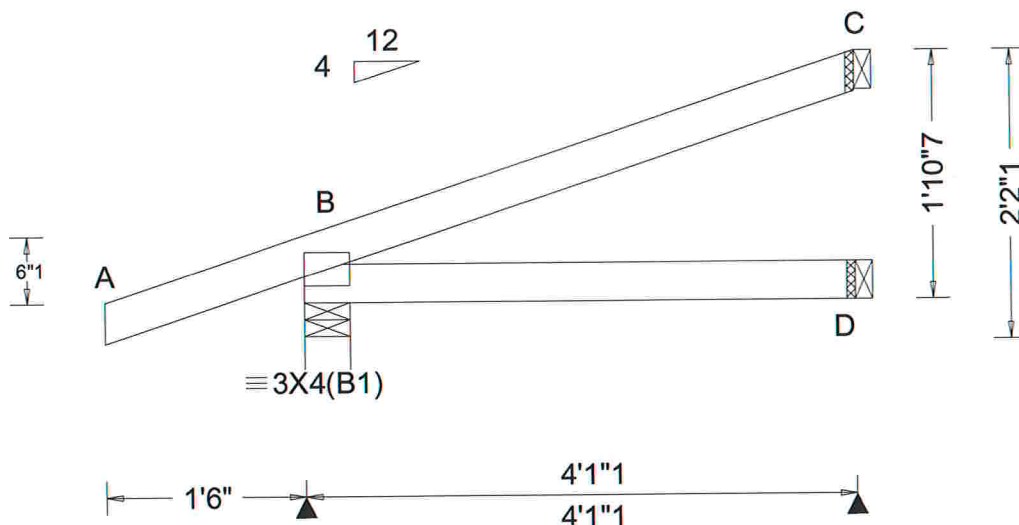
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J28

Ply: 1
Qty: 1

SEQN: 468537 / T120 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.57200
KM / DF 04/14/2017



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	h/2 to h
C&C Dist a:	3.00 ft
Loc. from endwall:	not in 9.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)		
Pg: NA	Ct: NA	CAT: NA
Pf: NA	Ce: NA	
Lu: NA	Cs: NA	
Snow Duration: NA		

Code / Misc Criteria	
Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	Yes
FT/RT:	20(0)/10(0)
Plate Type(s):	WAVE

Defl/CSI Criteria	
PP Deflection in	loc L/defl L/#
VERT(LL):	NA
VERT(TL):	NA
HORZ(LL):	0.001 D - -
HORZ(TL):	0.002 D - -
Creep Factor:	1.5
Max TC CSI:	0.073
Max BC CSI:	0.065
Max Web CSI:	0.000

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
B	292	/55	/201	/-	/53	/4.0
D	74	/-	/51	/-	/-	/1.5
C	99	/35	/38	/-	/-	/1.5
Wind reactions based on MWFRS						
B	Min Brg Width Req = 1.5					
D	Min Brg Width Req = -					
C	Min Brg Width Req = -					
Bearing B is a rigid surface.						
Members not listed have forces less than 375#						

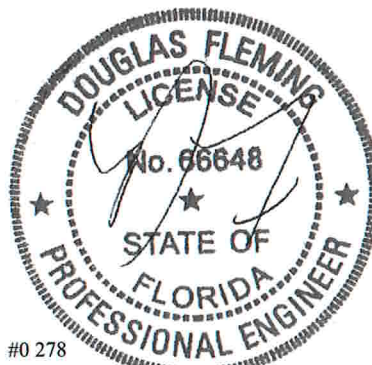
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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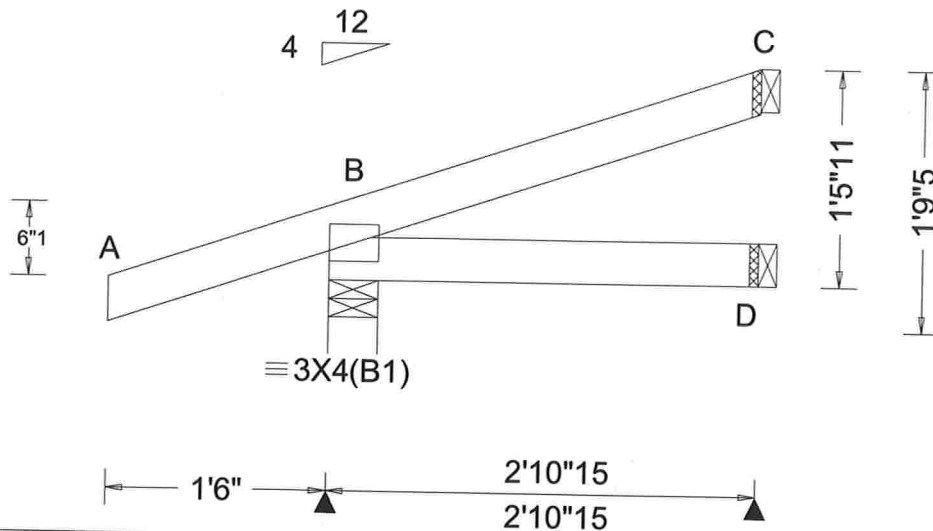
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J27

Ply: 1
Qty: 1

SEQN: 468535 / T39 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.56203
KM / DF 04/14/2017



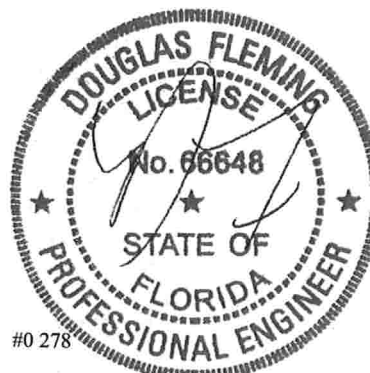
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)									
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Loc	R	/U	/Rw	/Rh	/RL	/W
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL):	NA			B	253	/60	/178	/-	/42	/4.0
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(TL):	NA			D	51	/-	/37	/-	/-	/1.5
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.001	D	-	-	C	57	/21	/17	/-	/1.5
Des Ld:	40.00	EXP:	C			Code / Misc Criteria	HORZ(TL):	0.001	D	-	-	Wind reactions based on MWFRS					
NCBCLL:	10.00	Mean Height:	15.00 ft				Creep Factor:	1.5									
Soffit:	2.00	TCDL:	5.0 psf				Max TC CSI:	0.067									
Load Duration:	1.25	BCDL:	5.0 psf				Max BC CSI:	0.030									
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2				Max Web CSI:	0.000									
		C&C Dist a:	3.00 ft			Bldg Code:	FBC 2014 RES										
		Loc. from endwall:	not in 4.50 ft			TPI Std:	2007										
		GCpi:	0.18			Rep Factors Used:	Yes										
		Wind Duration:	1.60			FT/RT:	20(0)/10(0)										
						Plate Type(s):											
						WAVE											

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

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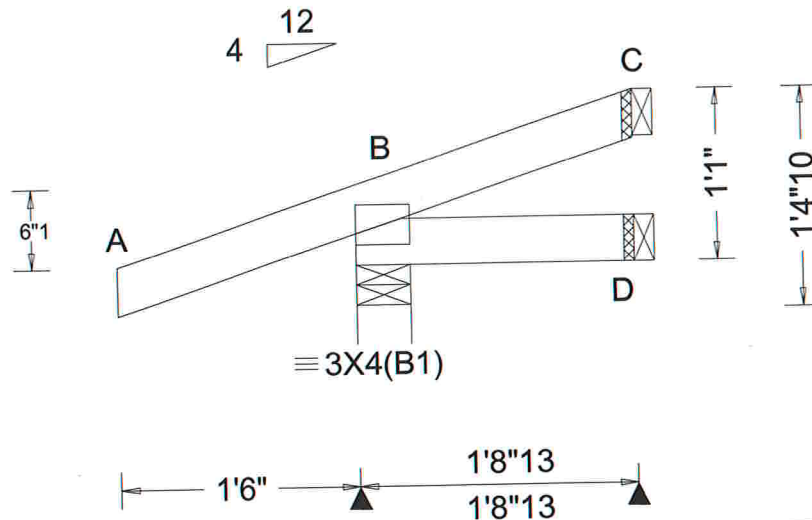
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J26

Ply: 1
Qty: 1

SEQN: 468533 / T134 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.55193
KM / DF 04/14/2017



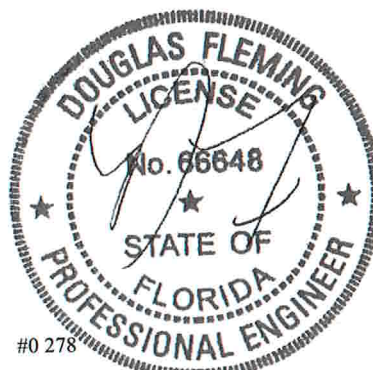
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	229	/71	/166	/-	/31	/4.0
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	D	27	/4	/23	/-	/-	/1.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C	2	/16	/17	/-	/-	/1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): -0.001 D - -	B	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	D	Min Brg Width Req = -					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.065	C	Min Brg Width Req = -					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.010	Bearing B is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft		VIEW Ver: 16.02.01B.0131.17							
	Loc. from endwall: not in 4.50 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

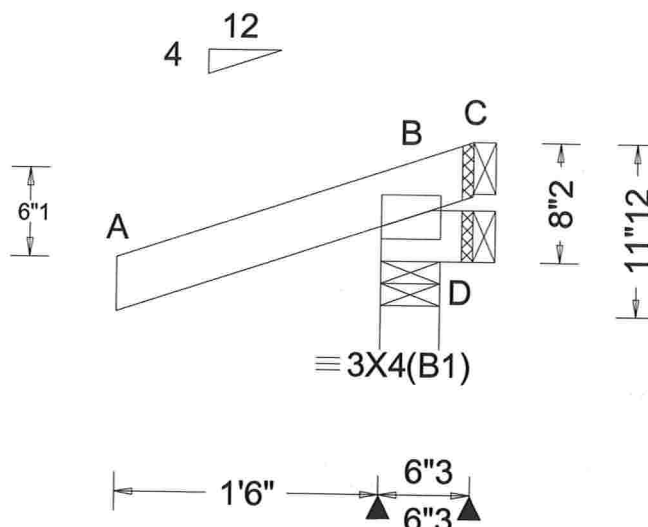
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg. Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): -0.000 C - - HORZ(TL): -0.001 C - - Creep Factor: 1.5 Max TC CSI: 0.102 Max BC CSI: 0.011 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	▲ Maximum Reactions (lbs) Loc R / U / R/w / Rh / RL / W B 359 / 155 / 274 / - / 23 / 4.0 D -28 / 28 / 17 / - / - / 1.5 C -191 / 191 / 94 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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Lumber

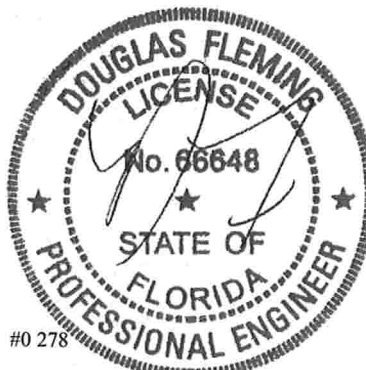
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Negative reaction(s) of -191# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



#0 278

04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
 require extreme care in fabrication.

IMPORTANT-- FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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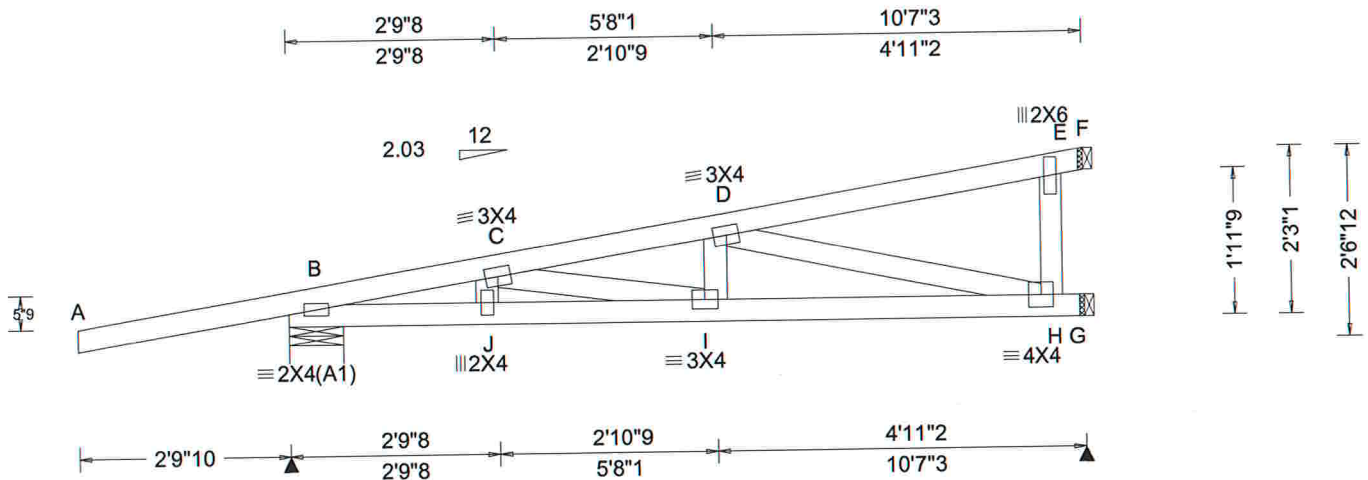


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J24

Ply: 1
Qty: 1

SEQN: 468544 / T113 HIP_
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.52770
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.042 I 999 240 VERT(TL): 0.101 I 999 180 HORZ(LL): 0.007 H - - HORZ(TL): 0.017 H - - Creep Factor: 1.5 Max TC CSI: 0.280 Max BC CSI: 0.318 Max Web CSI: 0.290	Loc R / U / Rw / Rh / RL / W B 719 / 178 / - / - / - / 8.8 G 370 / 143 / - / - / - / 1.5 F 207 / - / 43 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 G Min Brg Width Req = - F Min Brg Width Req = - Bearing B is a rigid surface.
		Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 16.02.01B.0131.17	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at -2.80 to 60 plf at 5.00
TC- From 30 plf at 5.00 to 30 plf at 8.20
TC- From 60 plf at 8.20 to 60 plf at 10.60
BC- From 4 plf at -2.80 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 5.00
BC- From 10 plf at 5.00 to 10 plf at 8.20
BC- From 20 plf at 8.20 to 20 plf at 10.60
TC- 67 lb Conc. Load at 5.00
TC- 153 lb Conc. Load at 8.20
BC- 62 lb Conc. Load at 5.00
BC- 112 lb Conc. Load at 8.20

Wind

Wind loads and reactions based on MWFRS.

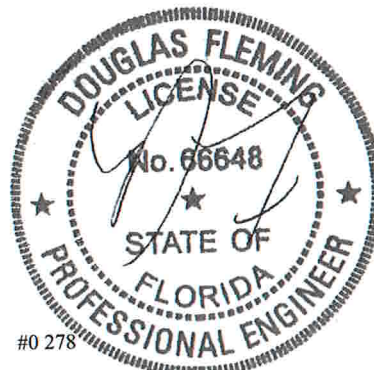
B - C 126 - 1055 C - D 230 - 1409

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.

B - J 1011 - 115 I - H 1344 - 232
J - I 1035 - 126

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.

C - I 513 - 100 D - H 233 - 1348



04/14/2017

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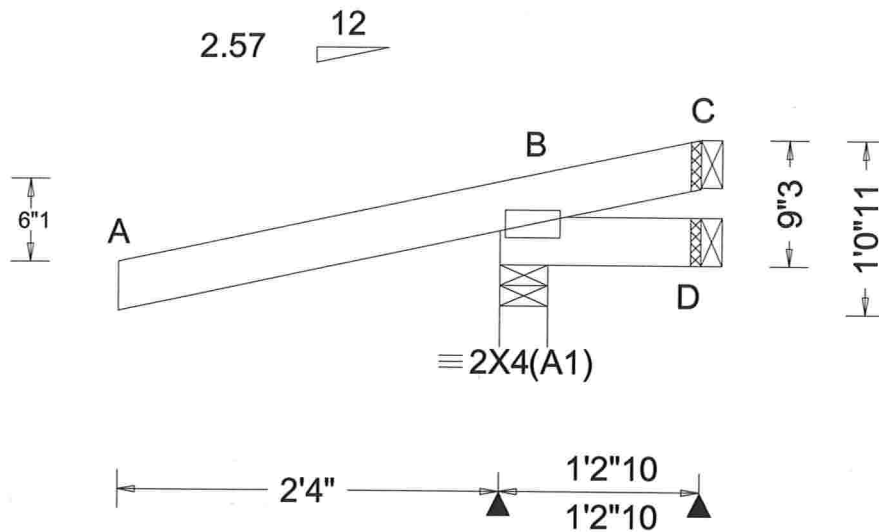
ALPINE
ANTW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J23

Ply: 1
Qty: 1

SEQN: 468529 / T114 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.50987
KM / DF 04/14/2017



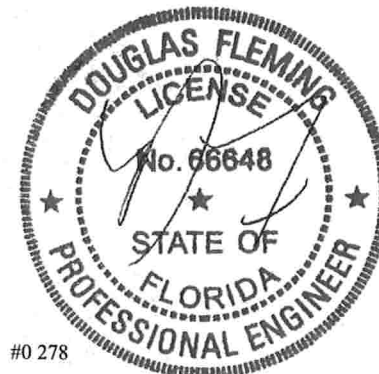
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	390	/ 220	/ 237	/ -	/ 32	/ 3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	D	6	/ 26	/ 32	/ -	/ -	/ 1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D - -	C	-116	/ 116	/ 86	/ -	/ -	/ 1.5
	EXP: C		HORZ(TL): -0.002 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 1.5	B	Min Brg Width Req = 1.5					
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.256	D	Min Brg Width Req = -					
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.034	C	Min Brg Width Req = -					
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: Any		VIEW Ver: 16.02.01B.0131.17							
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

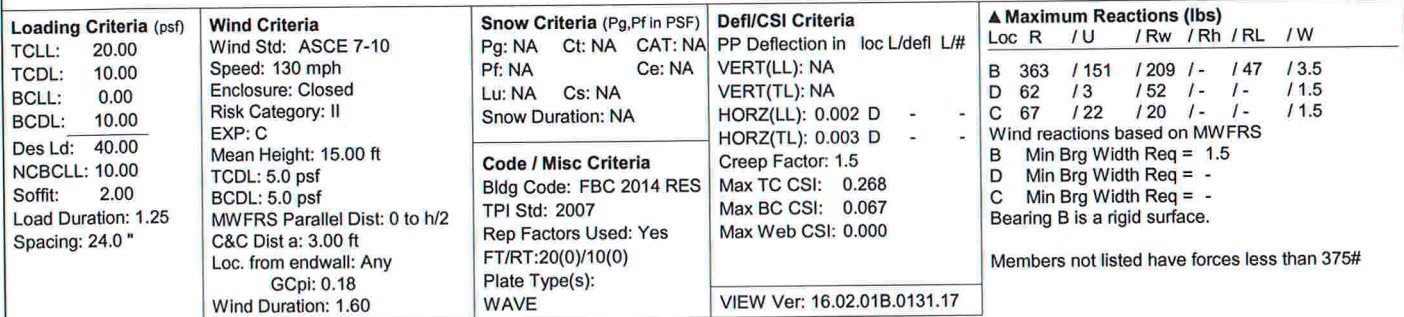
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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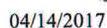
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837



Wind loads based on MWFRS with additional C&C member design.



For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

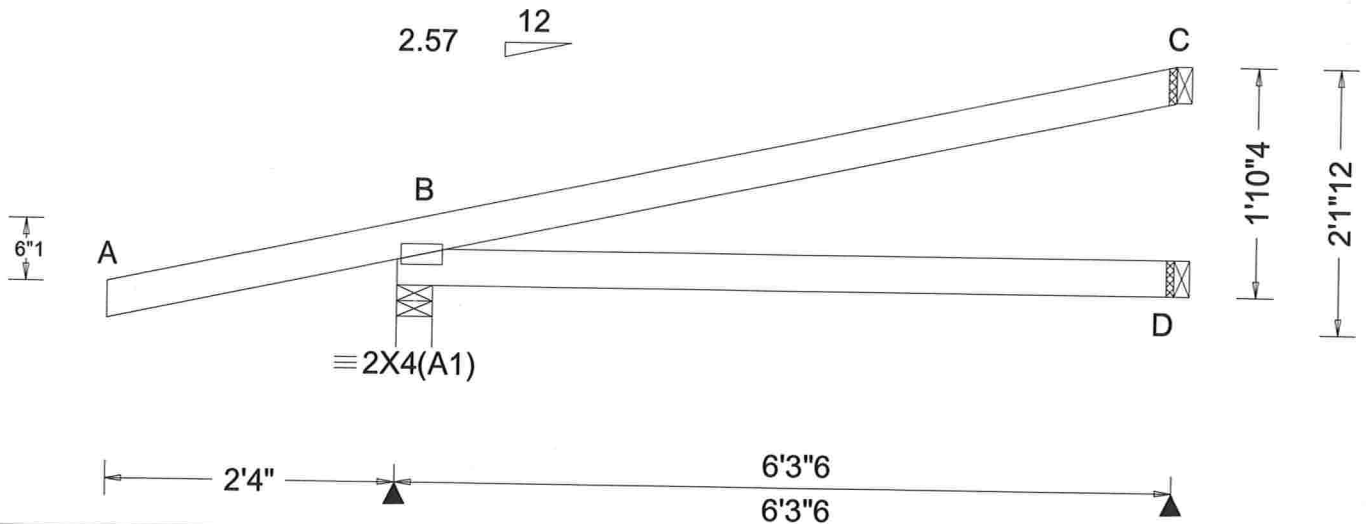


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J21

Ply: 1
Qty: 1

SEQN: 468525 / T108 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.47333
KM / DF 04/14/2017



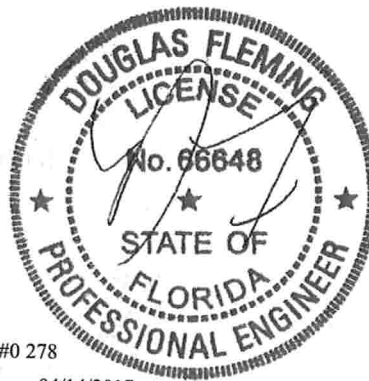
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.009 D - - Creep Factor: 1.5 Max TC CSI: 0.183 Max BC CSI: 0.149 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 441 / 151 / 247 / - / 61 / 3.5 D 112 / - / 77 / - / - / 1.5 C 153 / 48 / 44 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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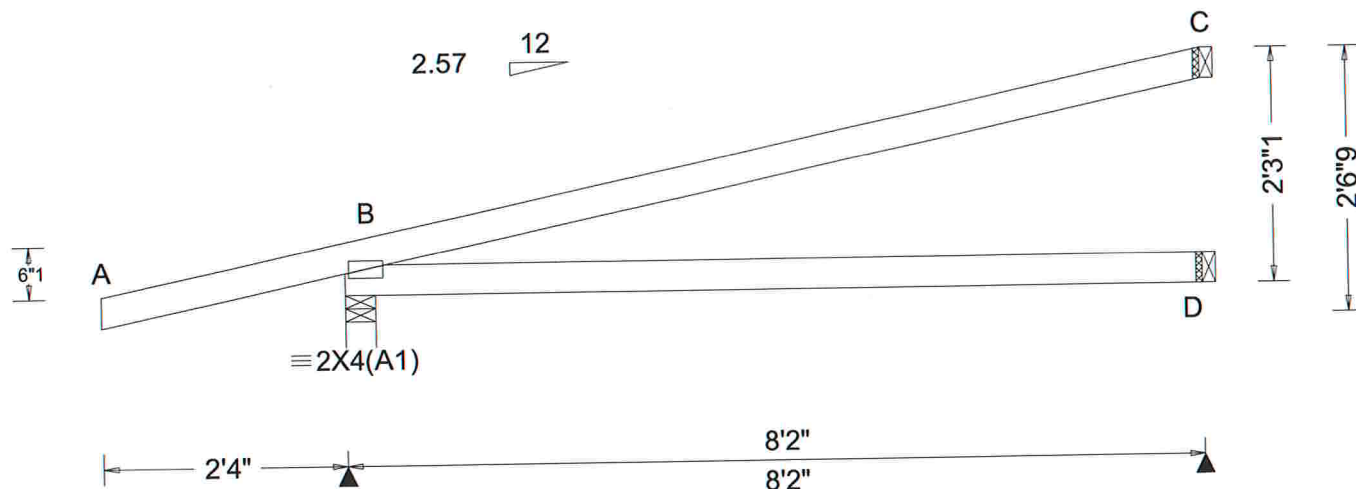
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Suite 150
Orlando FL, 32837

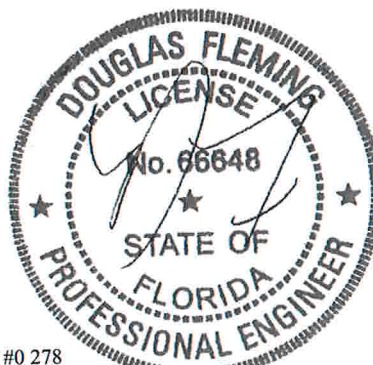
Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.46190
KM / DF 04/14/2017



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lr: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.011 D - - HORZ(TL): 0.025 D - - Creep Factor: 1.5 Max TC CSI: 0.363 Max BC CSI: 0.263 Max Web CSI: 0.000	▲ Maximum Reactions (lbs) Loc R /U /Rw /Rh /RL /W B 510 /157 /282 /- /71 /3.5 D 148 /- /100 /- /- /1.5 C 210 /65 /60 /- /- /1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface.
		Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 16.02.01B.0131.17	Members not listed have forces less than 375#

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

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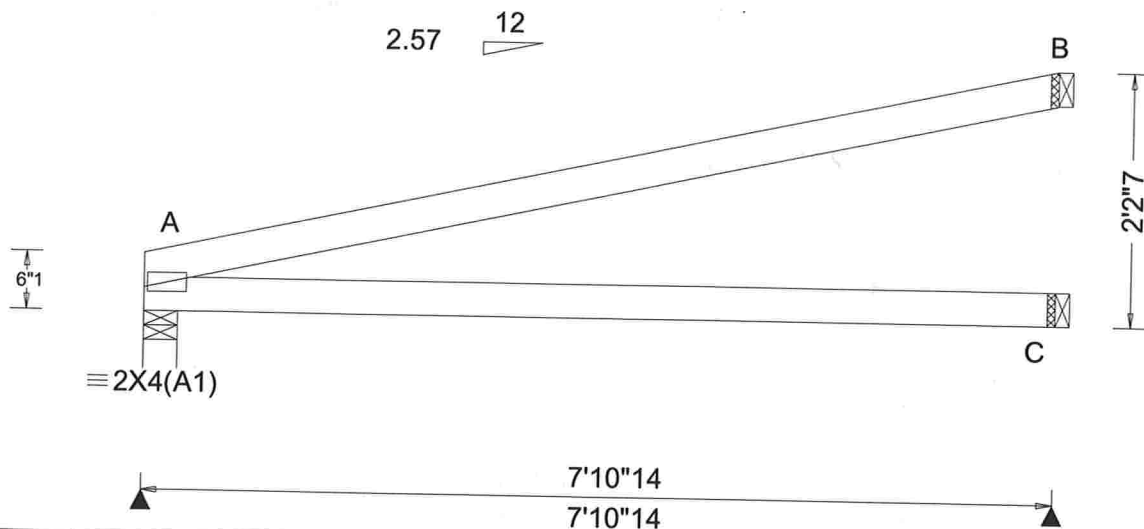
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J19

Ply: 1
Qty: 1

SEQN: 468521 / T116 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.44420
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(TL): NA
HORZ(LL): 0.013 C - -
HORZ(TL): 0.033 C - -
Creep Factor: 1.5
Max TC CSI: 0.386
Max BC CSI: 0.259
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
A	324	/53	/167	/-	/48	/3.5
C	147	/-	/99	/-	/-	/1.5
B	217	/67	/61	/-	/-	/1.5

Wind reactions based on MWFRS

A Min Brg Width Req = 1.5

C Min Brg Width Req = -

B Min Brg Width Req = -

Bearing A is a rigid surface.

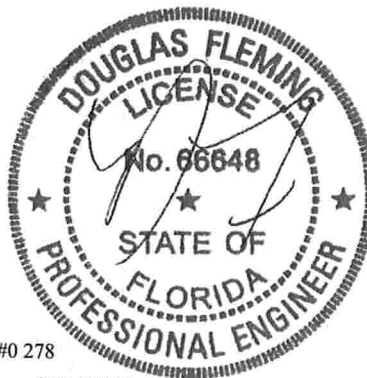
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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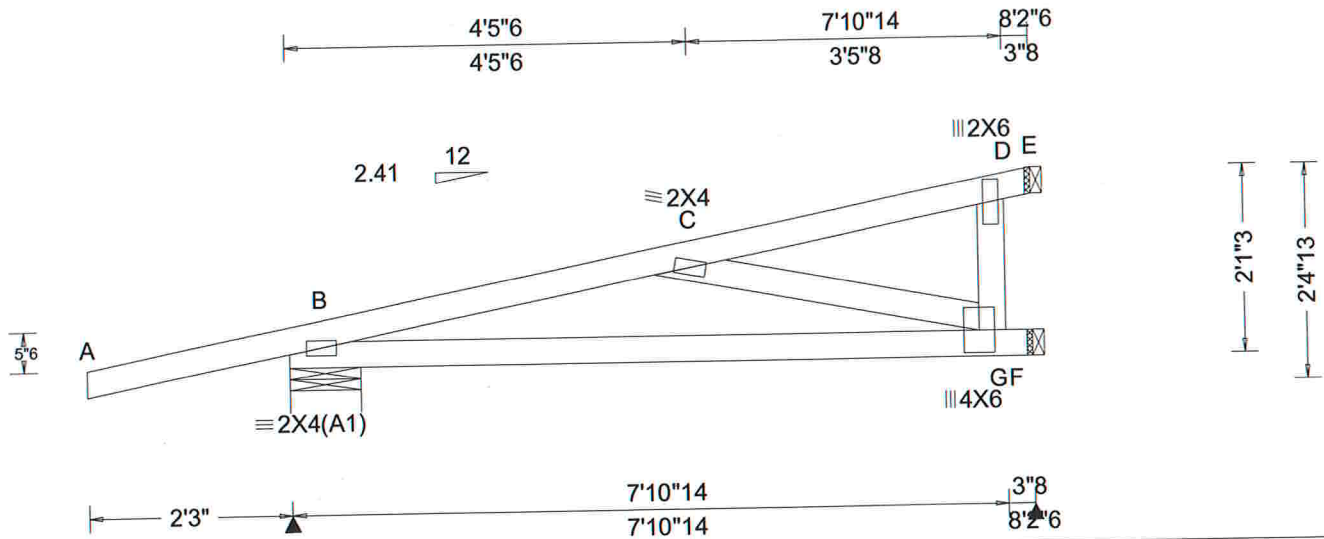
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J18

Ply: 1
Qty: 1

SEQN: 468519 / T109 HIP_
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.35990
KM / DF 04/14/2017



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.00 ft
Loc. from endwall:	not in 4.50 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg.Pf in PSF)			
Pg:	NA	Ct:	NA
Ct:	NA	Ce:	NA
Lu:	NA	Cs:	NA
Snow Duration:	NA		

Code / Misc Criteria	
Bldg Code:	FBC 2014 RES
TPI Std:	2007
Rep Factors Used:	Yes
FT/RT:	20(0)/10(0)
Plate Type(s):	WAVE

Defl/CSI Criteria			
PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.013	C	999 240
VERT(TL):	0.032	C	999 180
HORZ(LL):	0.002	G	-
HORZ(TL):	0.007	G	-
Creep Factor:	1.5		
Max TC CSI:	0.182		
Max BC CSI:	0.205		
Max Web CSI:	0.084		

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
B	496	/158	/-	/-	/-	/9.3
F	23	/206	/-	/-	/-	/1.5
E	453	/-	/42	/-	/-	/1.5

Wind reactions based on MWFRS

B Min Brg Width Req = 1.5
F Min Brg Width Req = -
E Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

B - C 184 -556

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

B - G 529 -166

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - G	173 -523	D - G	457 0

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Special Loads

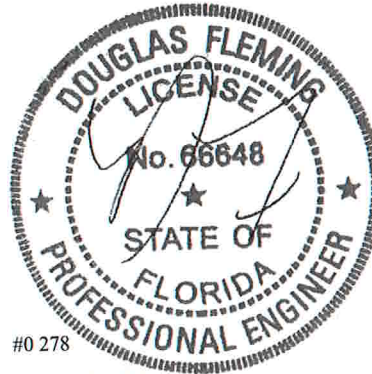
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)			
TC- From	60 plf at	-2.25 to	60 plf at
TC- From	30 plf at	2.45 to	30 plf at
TC- From	60 plf at	5.27 to	60 plf at
BC- From	4 plf at	-2.25 to	4 plf at
BC- From	20 plf at	0.00 to	20 plf at
BC- From	10 plf at	2.45 to	10 plf at
BC- From	20 plf at	5.27 to	20 plf at
TC- -12 lb Conc. Load at	2.45		
TC- 72 lb Conc. Load at	5.27		
TC- 142 lb Conc. Load at	8.20		
BC- 20 lb Conc. Load at	2.45		
BC- 60 lb Conc. Load at	5.27		

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Negative reaction(s) of -206# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



#0 278

04/14/2017

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

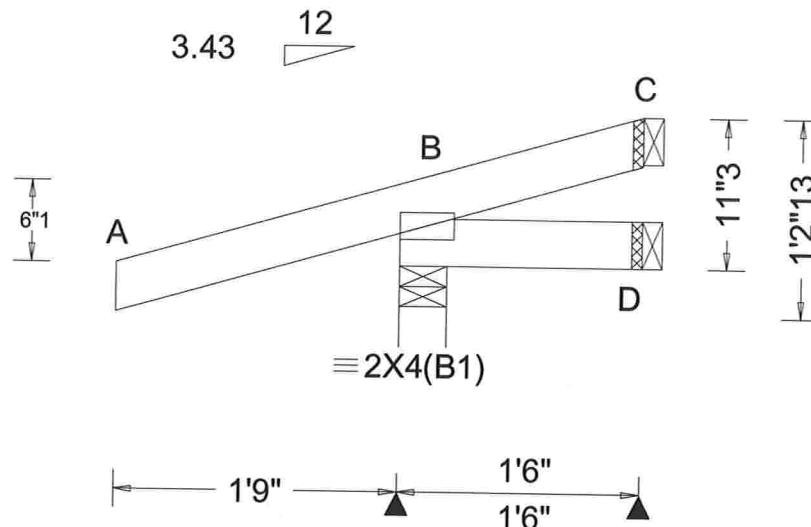
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J17

Ply: 1
Qty: 1

SEQN: 468517 / T118 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.34477
KM / DF 04/14/2017



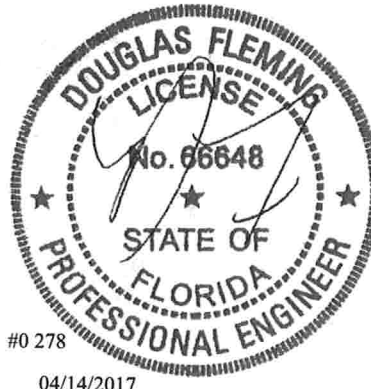
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL):-0.001 D - - HORZ(TL):-0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.090 Max BC CSI: 0.012 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 267 / 112 / 185 / - / 32 / 3.5 D 20 / 7 / 23 / - / - / 1.5 C -30 / 36 / 31 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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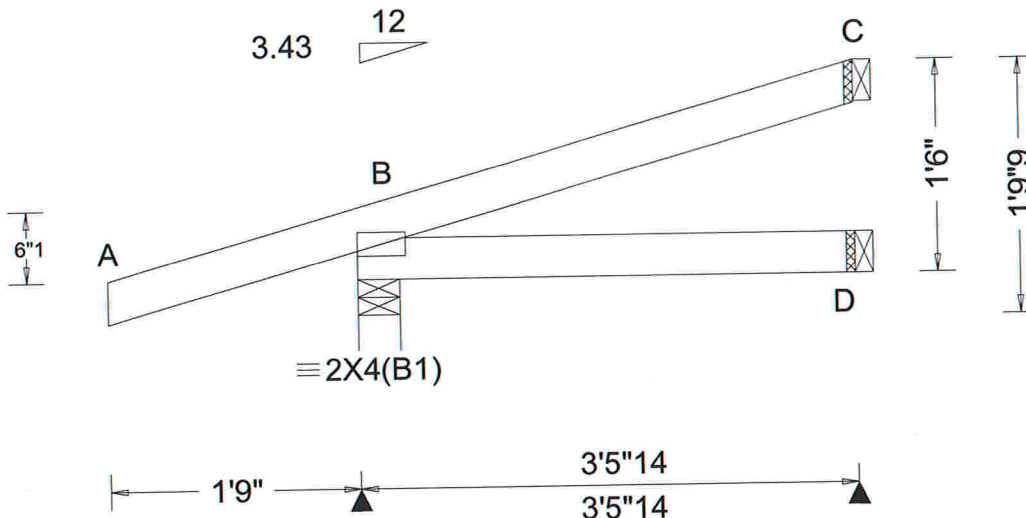
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J16

Ply: 1
Qty: 1

SEQN: 468515 / T111 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.31693
KM / DF 04/14/2017



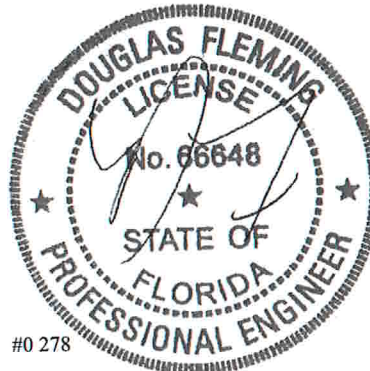
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	296	/ 89	/ 196	/ -	/ 43	/ 3.5
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	D	60	/ -	/ 45	/ -	/ -	/ 1.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C	72	/ 25	/ 20	/ -	/ -	/ 1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.001 D - -	B	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	D	Min Brg Width Req = -					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.098	C	Min Brg Width Req = -					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.044	Bearing B is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft		VIEW Ver: 16.02.01B.0131.17							
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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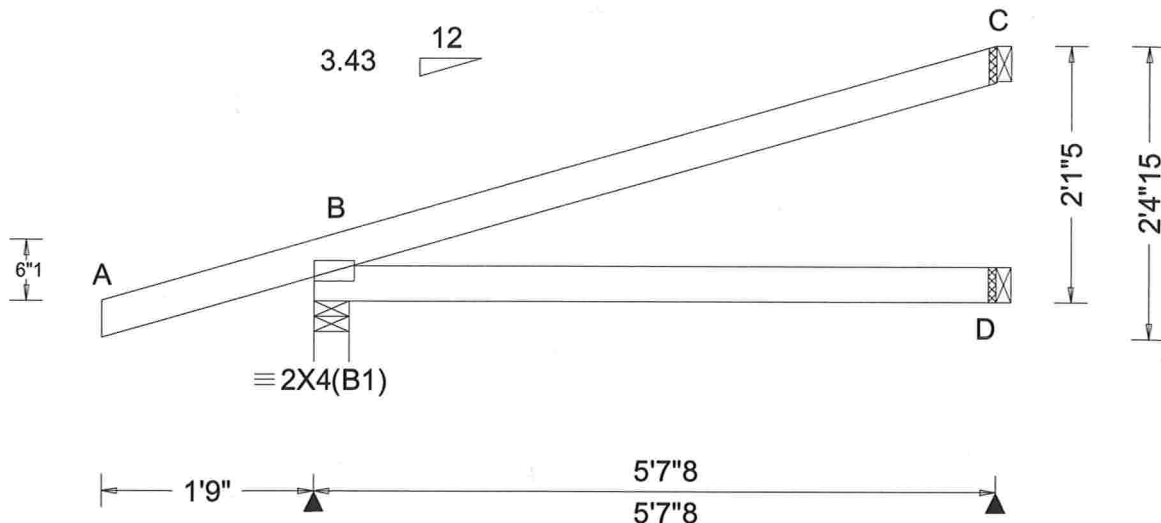
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J15

Ply: 1
Qty: 1

SEQN: 468513 / T97 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.30693
KM / DF 04/14/2017



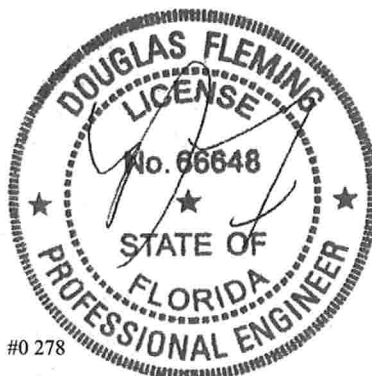
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 1.5 Max TC CSI: 0.156 Max BC CSI: 0.125 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 368 / 87 / 238 / - / 56 / 3.5 D 102 / - / 69 / - / - / 1.5 C 142 / 21 / 51 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

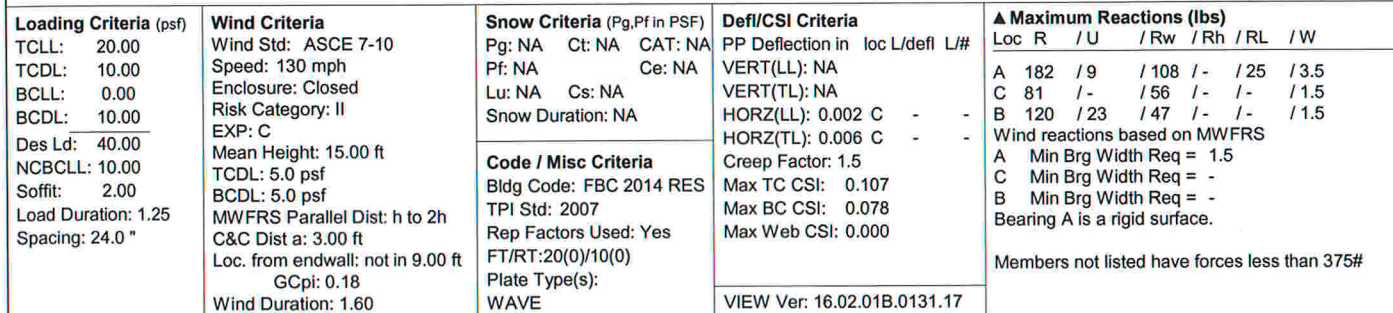
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837



Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind loads based on MWFRS with additional C&C member design.



04/14/2017

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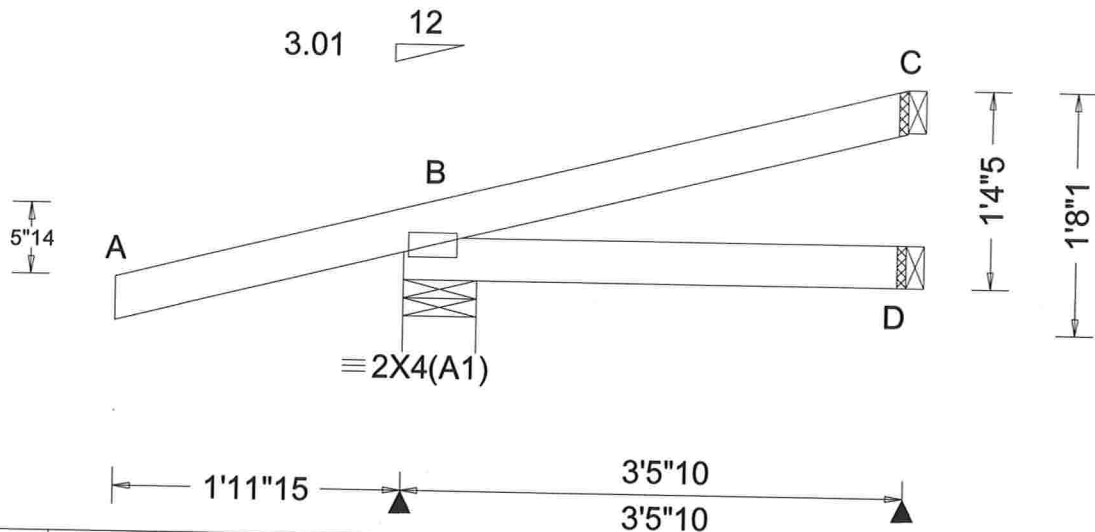


Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J13

Ply: 1
Qty: 1

SEQN: 468550 / T112 HIP_
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.27963
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.000 D - - HORZ(TL): -0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.135 Max BC CSI: 0.039 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 319 / 96 / - / - / - / 6.1 D 68 / - / 16 / - / - / 1.5 C 108 / 42 / - / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

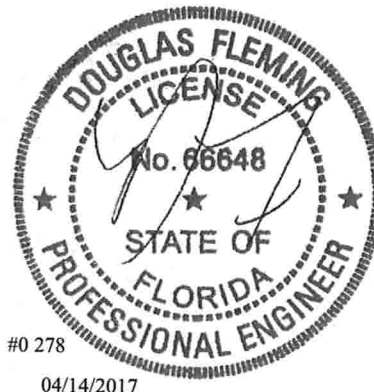
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 61 plf at -1.99 to 61 plf at 3.47
BC- From 4 plf at -1.99 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 3.47
PLT- 43 lb Conc. Load at (3.46, 11.32)
PLB- 44 lb Conc. Load at (3.46, 10.04)

Wind

Wind loads and reactions based on MWFRS.



#0 278

04/14/2017

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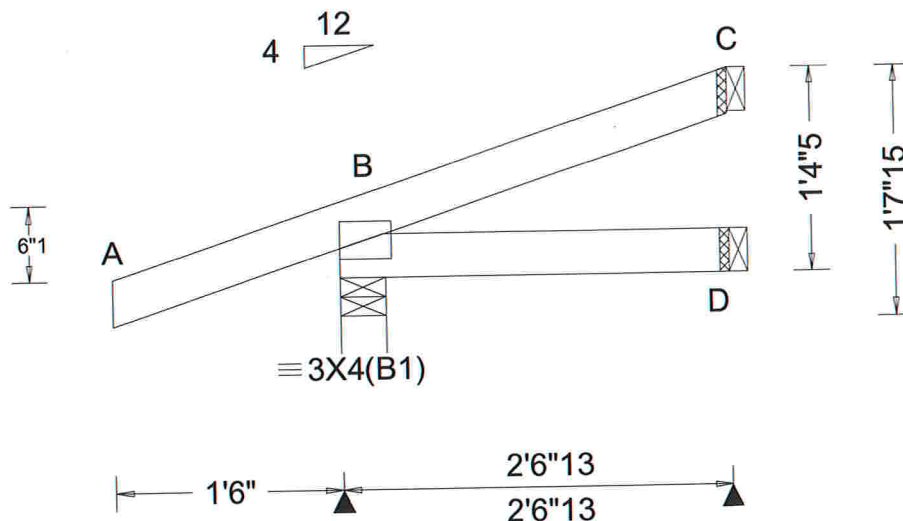
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J12

Ply: 1
Qty: 1

SEQN: 468507 / T89 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.26760
KM / DF 04/14/2017



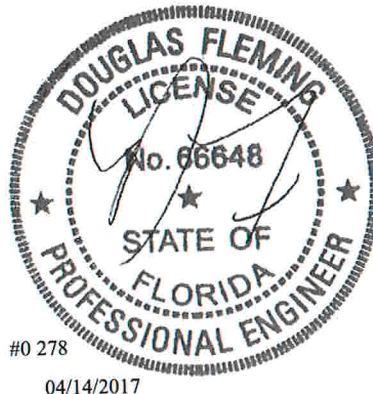
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.000 D - - HORZ(TL): -0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.066 Max BC CSI: 0.022 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 244 / 62 / 173 / - / 39 / 3.5 D 44 / 0 / 33 / - / - / 1.5 C 43 / 17 / 14 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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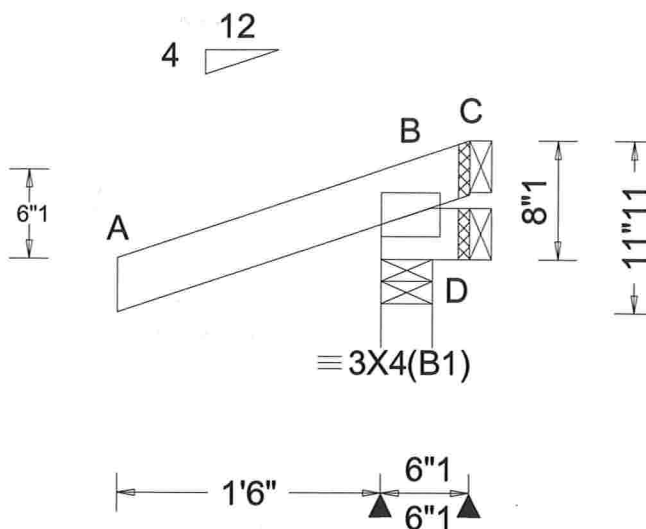
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J11

Ply: 1
Qty: 1

SEQN: 468505 / T98 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.15183
KM / DF 04/14/2017



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-10	Pg: NA	Ct: NA CAT: NA	PP Deflection in	loc L/defl L/#	Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
TCDL: 10.00		Speed: 130 mph	Pf: NA	Ce: NA	VERT(LL): NA		B	367	/ 159	/ 280	/ -	/ 23	/ 3.5
BCLL: 0.00		Enclosure: Closed	Lu: NA	Cs: NA	VERT(TL): NA		D	-30	/ 30	/ 18	/ -	/ -	/ 1.5
BCDL: 10.00		Risk Category: II	Snow Duration: NA		HORZ(LL): -0.000 C - -		C	-199	/ 199	/ 98	/ -	/ -	/ 1.5
Des Ld: 40.00		EXP: C			HORZ(TL): -0.001 C - -		Wind reactions based on MWFRS						
NCBCLL: 10.00		Mean Height: 15.00 ft			Creep Factor: 1.5		B	Min Brg Width Req = 1.5					
Soffit: 2.00		TCDL: 5.0 psf			Max TC CSI: 0.065		D	Min Brg Width Req = -					
Load Duration: 1.25		BCDL: 5.0 psf			Max BC CSI: 0.009		C	Min Brg Width Req = -					
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h			Max Web CSI: 0.000		Bearing B is a rigid surface.						
		C&C Dist a: 3.00 ft					Members not listed have forces less than 375#						
		Loc. from endwall: not in 9.00 ft											
		GCpi: 0.18											
		Wind Duration: 1.60											
			Code / Misc Criteria										
			Bldg Code: FBC 2014 RES										
			TPI Std: 2007										
			Rep Factors Used: Yes										
			FT/RT:20(0)/10(0)										
			Plate Type(s):										
			WAVE										
					VIEW Ver: 16.02.01B.0131.17								

Lumber

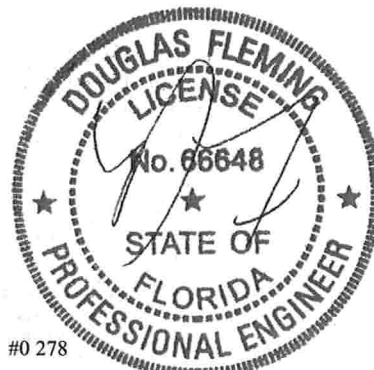
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Negative reaction(s) of -199# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



#0 278

04/14/2017

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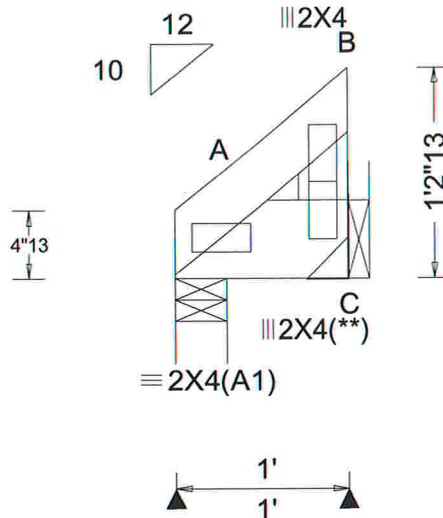
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J10

Ply: 1
Qty: 1

SEQN: 468336 / T81 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.13770
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 1.5 Max TC CSI: 0.036 Max BC CSI: 0.071 Max Web CSI: 0.001 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 956 / 144 / - / - / - / 3.5 C 410 / 62 / - / 0 / - / - Wind reactions based on MWFRS A Min Brg Width Req = 1.5 C Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 66 plf at 0.00 to 66 plf at 1.00
BC- From 20 plf at 0.00 to 20 plf at 1.00
BC- 1280 lb Conc. Load at 0.40

Plating Notes

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

Hangers / Ties

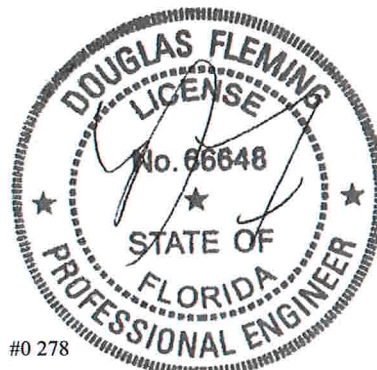
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=9" ,y=10' uses the following support conditions:

Bearing C (9", 10') HUS26
Supporting Member: (1)2x6 SP M-31
(14) 0.148"x3" nails into supporting member.
(4) 0.148"x3" nails into supported member.

Wind

Wind loads and reactions based on MWFRS.



#0 278

04/14/2017

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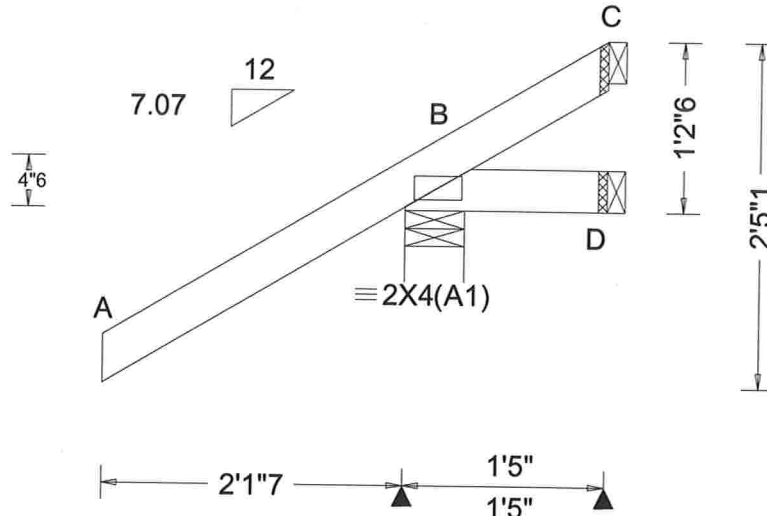
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J09

Ply: 1
Qty: 1

SEQN: 468482 / T26
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.12680
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL):-0.001 D - - HORZ(TL):-0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.136 Max BC CSI: 0.023 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 162 / 90 / 287 / - / 59 / 4.9 D 9 / 25 / 25 / - / - / 1.5 C -34 / 73 / 43 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

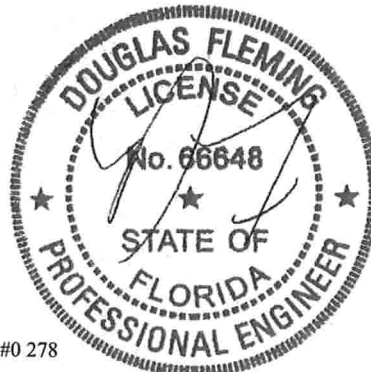
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.12 to 63 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 1.41
BC- From 0 plf at -2.12 to 5 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 1.41

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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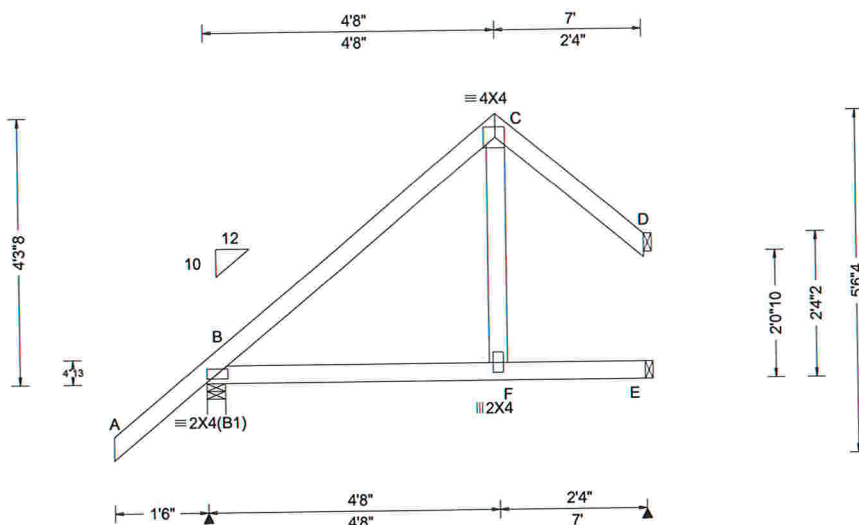
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J08

Ply: 1
Qty: 1

SEQN: 468472 / T30 EJAC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.11533
KM / DF 04/14/2017



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.087 C 947 240
VERT(TL): 0.228 C 360 180
HORZ(LL): 0.145 D - -
HORZ(TL): 0.381 D - -
Creep Factor: 1.5
Max TC CSI: 0.209
Max BC CSI: 0.282
Max Web CSI: 0.053

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	U	Rw	Rh	RL	W
B	428	/ 58	/ 299	/ -	/ 122	/ 3.5
E	157	/ 16	/ 128	/ -	/ -	/ 1.5
D	124	/ 27	/ 77	/ -	/ -	/ 1.5

Wind reactions based on MWFRS

B Min Brg Width Req = 1.5

E Min Brg Width Req = -

D Min Brg Width Req = -

Bearing B is a rigid surface.

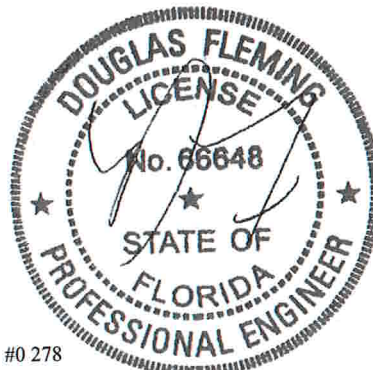
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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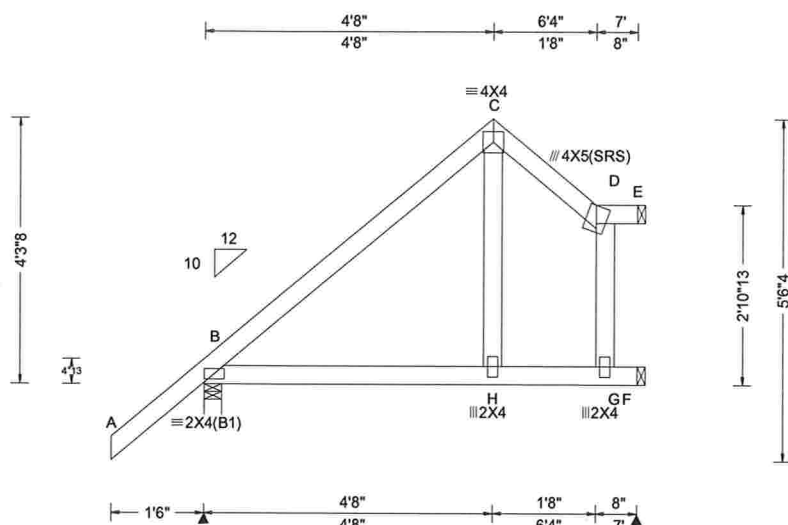
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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982	Ply: 1	SEQN: 468470 / T12	EJAC	Cust: R215	JRef: 1VZZ2150001
HUBBART RESIDENCE	Qty: 1	FROM: CDM		DrwNo: 104.17.1306.07190	
Truss Label: J07				KM / DF	04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.053 C 999 240 VERT(TL): 0.139 C 590 180 HORZ(LL): 0.076 D - - HORZ(TL): 0.201 D - - Creep Factor: 1.5 Max TC CSI: 0.141 Max BC CSI: 0.152 Max Web CSI: 0.072 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 428 / 56 / 301 / - / 114 / 3.5 F 138 / 17 / 82 / - / - / 1.5 E 143 / 26 / 99 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 F Min Brg Width Req = - E Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

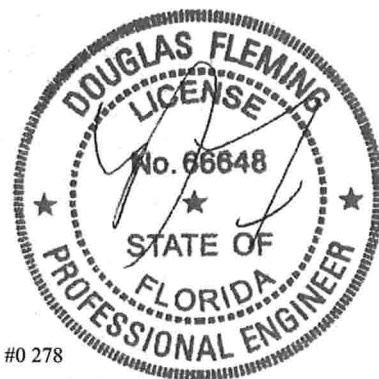
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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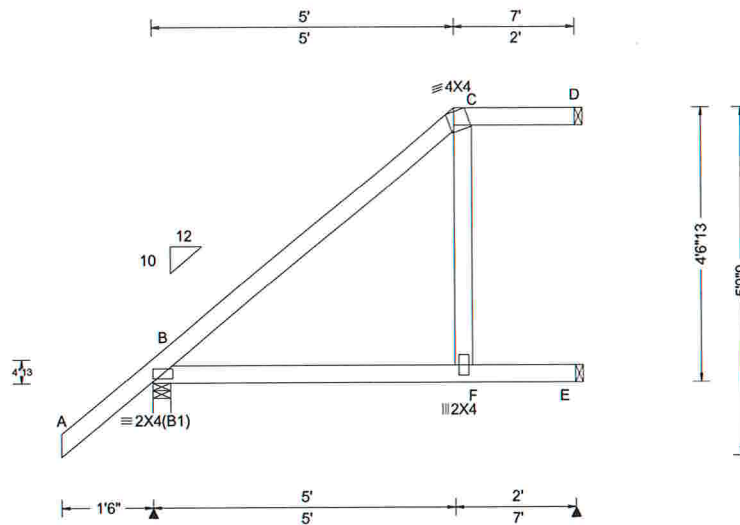
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J06

Ply: 1
Qty: 1

SEQN: 468474 / T35 EJAC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.05880
KM / DF 04/14/2017



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
				Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL:	20.00	Wind Std: ASCE 7-10		Pf: NA Ce: NA		VERT(LL): 0.077 C 999 240		B	428	/32	/316	/-	/155	/3.5
TCDL:	10.00	Speed: 130 mph		Lu: NA Cs: NA		VERT(TL): 0.202 C 407 180		E	166	/52	/118	/-	/-	/1.5
BCLL:	0.00	Enclosure: Closed		Snow Duration: NA		HORZ(LL): 0.066 C - -		D	115	/22	/62	/0	/0	/1.5
BCDL:	10.00	Risk Category: II				HORZ(TL): 0.175 C - -		Wind reactions based on MWFRS						
		EXP: C				Creep Factor: 1.5		B	Min Brg Width Req = 1.5					
Des Ld: 40.00		Mean Height: 15.00 ft				Max TC CSI: 0.231		E	Min Brg Width Req = -					
NCBCLL: 10.00		TCDL: 5.0 psf				Max BC CSI: 0.243		D	Min Brg Width Req = -					
Soffit: 2.00		BCDL: 5.0 psf				Max Web CSI: 0.024		Bearing B is a rigid surface.						
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2						Members not listed have forces less than 375#						
Spacing: 24.0 "		C&C Dist a: 3.00 ft												
		Loc. from endwall: not in 4.50 ft												
		GCpi: 0.18												
		Wind Duration: 1.60												

Lumber

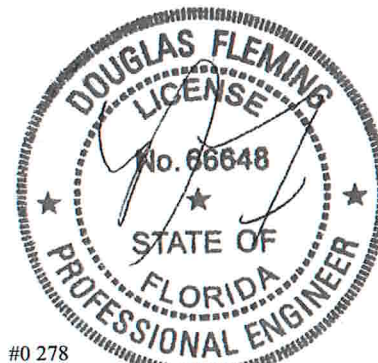
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Purlins

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

Wind

Wind loads based on MWFRS with additional C&C
member design.



#0 278

04/14/2017

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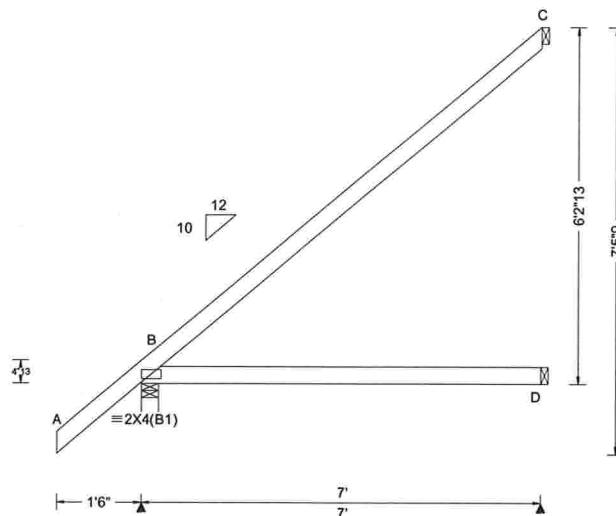
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J05

Ply: 1
Qty: 20

SEQN: 468419 / T38 EJAC
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1306.04413
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.012 D - - HORZ(TL): 0.026 D - - Creep Factor: 1.5 Max TC CSI: 0.313 Max BC CSI: 0.210 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 445 / - / 309 / - / 201 / 3.5 D 158 / 2 / 95 / - / - / 1.5 C 202 / 106 / 136 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

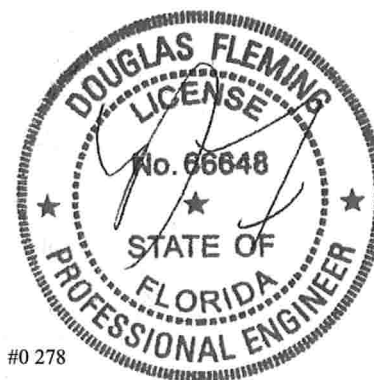
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

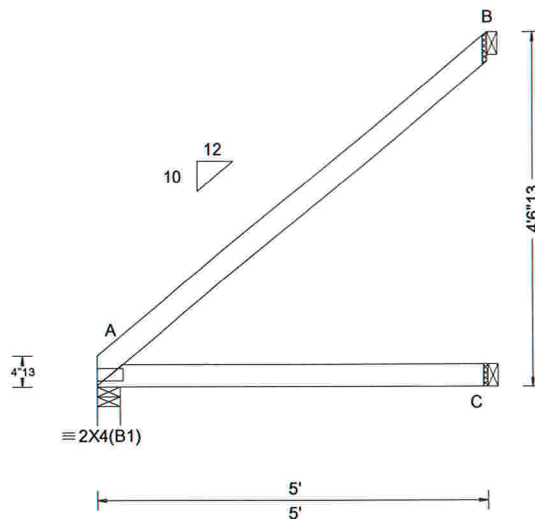
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSA (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSA sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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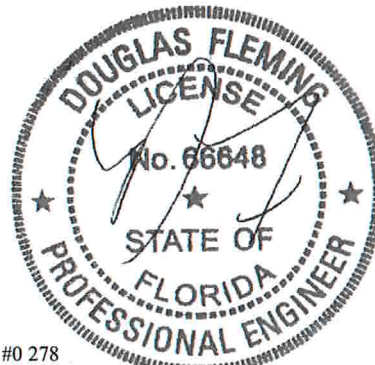
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	A 222 /- /143 /- /117 /3.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C 96 /3 /71 /- /- /1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 C - -	B 148 /79 /103 /- /- /1.5
	EXP: C		HORZ(TL): 0.011 C - -	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 1.5	A Min Brg Width Req = 1.5
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.158	C Min Brg Width Req = -
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max BC CSI: 0.110	B Min Brg Width Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2007	Max Web CSI: 0.000	Bearing A is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes		
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE		
			VIEW Ver: 16.02.01B.0131.17	Members not listed have forces less than 375#

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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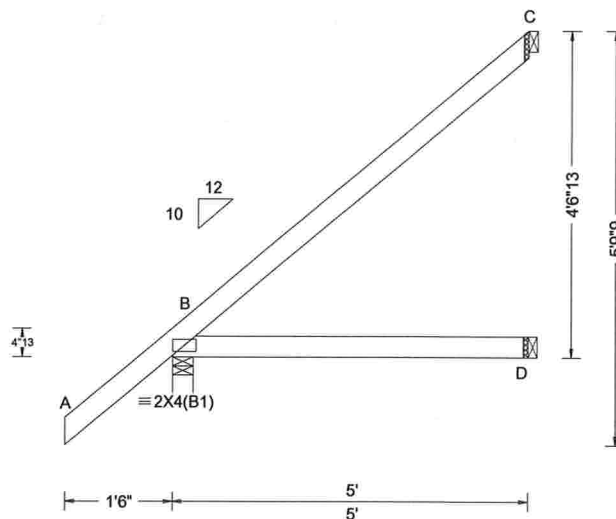
-IMPORTANT- FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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Job Number: 16-0982 HUBBART RESIDENCE Truss Label: J04	Ply: 1 Qty: 5	SEQN: 468417 / T32 FROM: CDM	JACK Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1305.55300 KM / DF 04/14/2017
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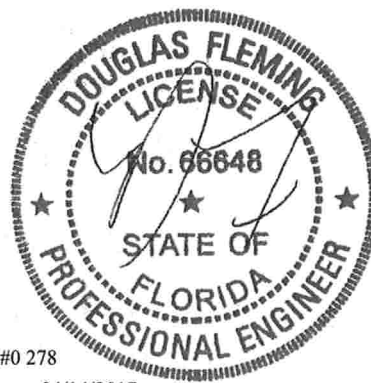
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 1.5 Max TC CSI: 0.133 Max BC CSI: 0.102 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 348 / 9 / 259 / - / 154 / 3.5 D 92 / - / 66 / - / - / 1.5 C 136 / 74 / 90 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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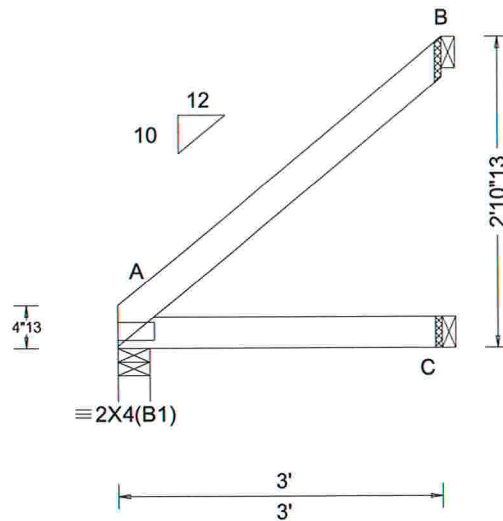
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J03A

Ply: 1
Qty: 1

SEQN: 468246 / T101 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.53703
KM / DF 04/14/2017



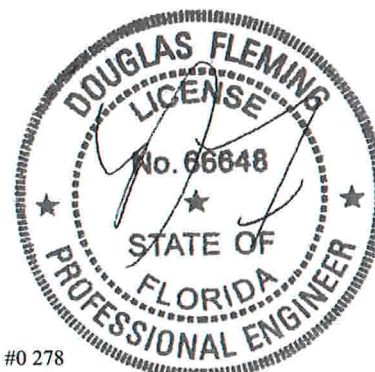
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 1.5 Max TC CSI: 0.051 Max BC CSI: 0.037 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R /U /Rw /Rh /RL /W A 136 /- /86 /- /69 /3.5 C 56 /1 /42 /- /- /1.5 B 88 /48 /62 /- /- /1.5 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 C Min Brg Width Req = - B Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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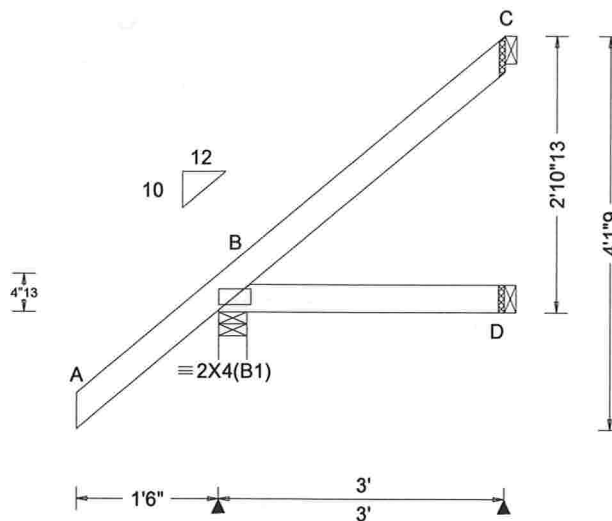
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AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J03

Ply: 1
Qty: 5

SEQN: 468415 / T33 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.50790
KM / DF 04/14/2017

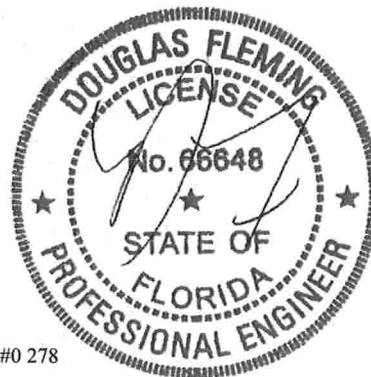


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): -0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.086 Max BC CSI: 0.031 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W B 276 / 22 / 218 / - / 106 / 3.5 D 52 / 1 / 40 / - / - / 1.5 C 65 / 39 / 37 / - / - / 1.5 Wind reactions based on MWFRS B Min Brg Width Req = 1.5 D Min Brg Width Req = - C Min Brg Width Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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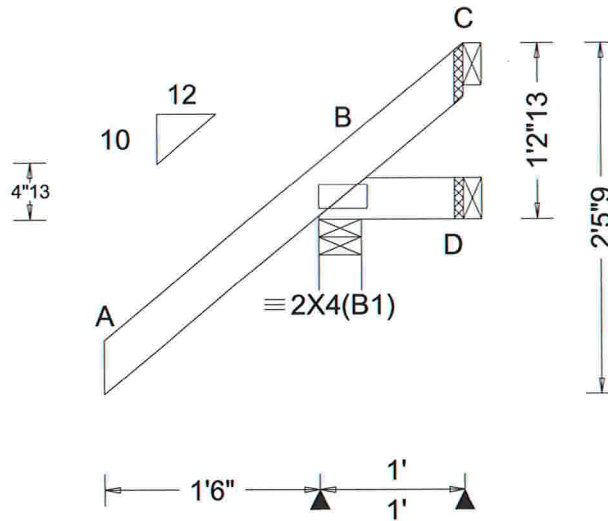
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2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 16-0982
HUBBART RESIDENCE
Truss Label: J02

Ply: 1
Qty: 6

SEQN: 468413 / T34 JACK
FROM: CDM

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.48353
KM / DF 04/14/2017



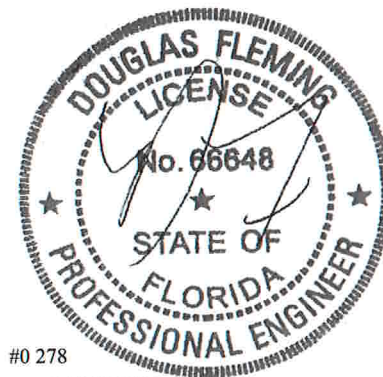
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R	/U	/Rw	/Rh	/RL	/W
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	269	/61	/250	/-	/58	/3.5
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	D	8	/17	/15	/-	/-	/1.5
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): NA	C	-65	/83	/40	/-	/-	/1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C	Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): -0.001 D - -	B	Min Brg Width Req = 1.5					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 1.5	D	Min Brg Width Req = -					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.080	C	Min Brg Width Req = -					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.010	Bearing B is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft									
	Loc. from endwall: Any									
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 16.02.01B.0131.17							

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

Wind loads based on MWFRS with additional C&C member design.



#0 278

04/14/2017

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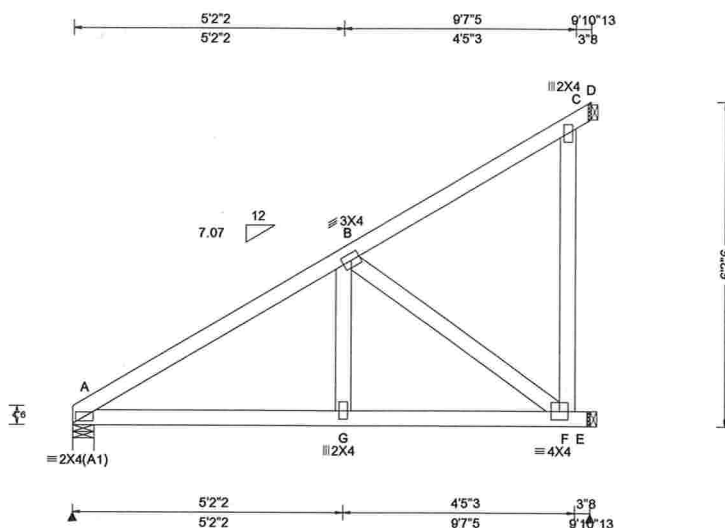
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Orlando FL, 32837

Job Number: 16-0982 HUBBART RESIDENCE Truss Label: J01A	Ply: 1 Qty: 1	SEQN: 468424 / T104 HIP_ FROM: CDM	Cust: R215 JRef: 1VZZ2150001 DrwNo: 104.17.1305.46887 KM / DF 04/14/2017
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 G 999 240 VERT(TL): 0.029 G 999 180 HORZ(LL): 0.004 B - - HORZ(TL): 0.009 B - - Creep Factor: 1.5 Max TC CSI: 0.251 Max BC CSI: 0.252 Max Web CSI: 0.162 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W A 318 / 161 / - / - / - / 4.9 E 329 / 164 / - / - / - / 1.5 D 159 / - / 22 / - / - / 1.5 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 E Min Brg Width Req = - D Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

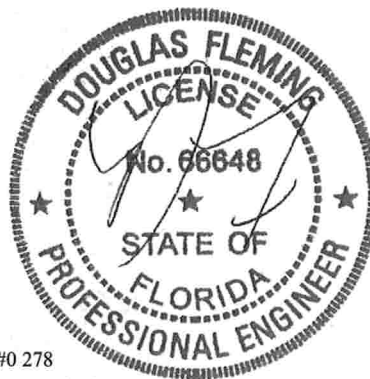
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -1.89 to 63 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 9.90
BC- From 0 plf at -1.89 to 5 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 9.90
TC- -28 lb Conc. Load at 1.48
TC- 153 lb Conc. Load at 4.31
TC- 284 lb Conc. Load at 7.13
BC- 8 lb Conc. Load at 1.48
BC- 108 lb Conc. Load at 4.31
BC- 188 lb Conc. Load at 7.13

Wind

Wind loads and reactions based on MWFRS.



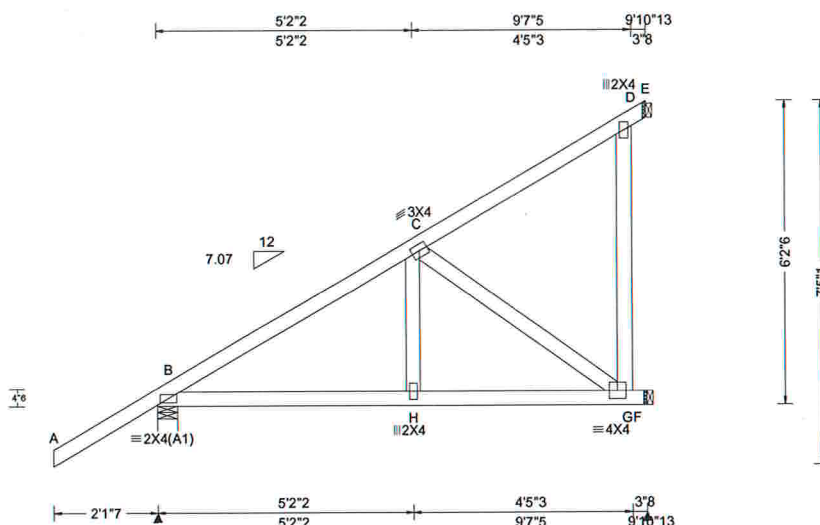
#0 278

04/14/2017

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Suite 150
Orlando FL, 32837

Cust: R215 JRef: 1VZZ2150001
DrwNo: 104.17.1305.45783
KM / DF 04/14/2017



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R /U /Rw /Rh /RL /W
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.012 H 999 240	B 383 /272 /- /- /- /4.9
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.028 H 999 180	F 314 /160 /- /- /- /1.5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 C - -	E 154 /- /17 /- /- /1.5
Des Ld: 40.00	EXP: C		HORZ(TL): 0.008 C - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 1.5	B Min Brg Width Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.252	F Min Brg Width Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2007	Max BC CSI: 0.248	E Min Brg Width Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Factors Used: Yes	Max Web CSI: 0.145	Bearing B is a rigid surface.
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60			
			VIEW Ver: 16.02.01B.0131.17	Members not listed have forces less than 375#
				Maximum Top Chord Forces Per Ply (lbs)
				Chords Tens.Comp.

Lumber

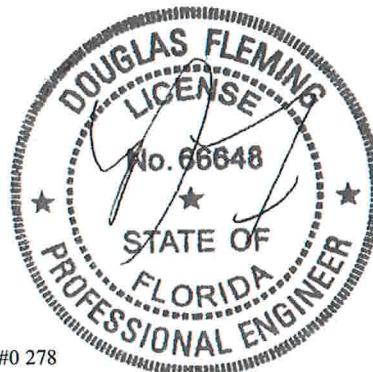
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)				
TC-	From	0 plf at	-2.12 to	63 plf at 0.00
TC-	From	2 plf at	0.00 to	2 plf at 9.90
BC-	From	0 plf at	-2.12 to	5 plf at 0.00
BC-	From	2 plf at	0.00 to	2 plf at 9.90
TC-	-56 lb Conc. Load at 1.48			
TC-	131 lb Conc. Load at 4.31			
TC-	272 lb Conc. Load at 7.13			
BC-	15 lb Conc. Load at 1.48			
BC-	103 lb Conc. Load at 4.31			
BC-	185 lb Conc. Load at 7.13			

Wind

Wind loads and reactions based on MWFRS.



#0 278

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B - C 274 - 487

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
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B - H 433 -181 H - G 428 -180

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.

C - G 222 -527

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

