



Building and Zoning Department

New Residential Construction Application

Invoice
63923

Applicant Information			
Invoice Date			
Permit #			
Amount Due			

02/21/2024

\$1,940.53

Job Location
Parcel: 01-55-16-03406-205
Owner: MCCORMICK MARK M, MCCORMICK PATRICIA ANN
Address: 131 SW GOVERNORS GLN
LAKE CITY, FL 32024

Invoice History

Date	Description	Amount
02/21/2024	Fee: Application Fee	\$15.00
02/21/2024	Fee: Building Permit Fee Based on Total Area (Sqt)	\$1444.32
02/21/2024	Fee: Plan Review	\$361.08
02/21/2024	Fee: Certificate Fee	\$18.05
02/21/2024	Fee: DBPR - Surcharge / Radon	\$27.08
02/21/2024	Fee: Flood Zone Certification Fee	\$25.00
02/21/2024	Fee: Zoning Certification Fee	\$50.00
Amount Due:		\$1940.53

Credit card payments can be made online here (fees apply)

Fee balances are not immediately updated using online Credit Card.
If you have paid permit fees using the online application site or by another method such as check or cash, please allow time for your payment to be processed.
1st 2-21-24

Applicant Information
MARK BAUER
25232 NW 168TH LN
HIGH SPRING, FL 32643

Contractor Information
MARK BAUER
GIBRALTAR CONTRACTING LLC
20267 NW 248TH WAY
HIGH SPRINGS, FL 32643

Contact Us
Phone: (386) 758-1008
Customer Service Hours:
Monday-Friday
From 8:00 A.M. to 4:30 P.M.
Email: bldginfo@columbiacountyfla.com
Website: <http://www.columbiacountyfla.com/BuidingandZoning.asp>
Address: 135 NE Hernando Ave.
Building and Zoning Ste. B-21
Lake City, FL 32055

Inspection Office Hours
Monday - Friday
From 8:00 AM to 10:00 AM
and
From 1:30 PM to 3:00 PM

Regular Inspection Schedules
All areas North of County Road 242
From 10:00 AM to Noon
All areas South of County Road 242
From 3:00 PM to 5:00 PM

Inspection Requests
Online: (Preferred Method)
www.columbiacountyfla.com/InspectionRequest.asp
All Driveway Inspections: 386-758-1019
Septic Release Inspections: 386-758-1058
Voice Mail: 386-719-2023 or Phone: 386-758-1008
IMPORTANT NOTICE:
Any inspection requested after 4:30 pm, no matter the method, will be received the next business day and will be scheduled by the earliest time slot.
All inspections require 24 hours notice.
Emergencies will be inspected as soon as possible.



Building and Zoning Department

Culvert Application

Invoice
64293

Applicant Information	Invoice Date	Permit #	Amount Due
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MARK BAUER
25232 NW 168TH LN
HIGH SPRING, FL 32643

02/21/2024

Job Location
Parcel: 01-5S-16-03406-205
Owner: MCCORMICK MARK M, MCCORMICK PATRICIA ANN
Address: 131 SW GOVERNORS GLN
LAKE CITY, FL 32024

\$25.00

Contractor Information
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GIBALTAR CONTRACTING LLC
20267 NW 248TH WAY
HIGH SPRINGS, FL 32643

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New Residential Construction Application #63923

Friday, January 19, 2024 8:34 AM



APPLICANT: MARK BAUER

PHONE: 352-283-2002

ADDRESS: 25232 NW 168TH LN HIGH SPRING, FL 32643

OWNER: MCCORMICK MARK M, MCCORMICK PATRICIA ANN

PHONE: 828-494-2652

ADDRESS: 131 SW GOVERNORS GLN LAKE CITY, FL 32024

PARCEL ID: 01-55-16-03406-205

SUBDIVISION: ROSE CREEK PLANTATION PHASE 1

LOT: 5 BLOCK: PHASE:

UNIT:

ACRES: 2.50

CONTRACTOR TYPE LIC# BUSINESS NAME

WILSON, CLINTON

Air Conditioner

CAC057886

WILSON HEAT & AIR, INC

DAVIS, DONALD

Electrician

EC0002306

HIGH SPRINGS ELECTRIC, INC

MARK BAUER

General

CBC1259633

GIBBALTAR CONTRACTING LLC

BUTLER, JAMES

Plumbing

CFC057960

BUTLER PLUMBING OF GAINESVILLE

CONSTRUCTION DETAILS

Is this replacing an existing home?

No

This is the construction of a

Single Family Dwelling

If Other, explain the use of the structure.

Total Estimated Cost

500000.00

Structure Size

2166

Heated Area (Sqft)

3009

Total Area (Sqft)

494'

Stories

130'

Building Height

30'

Driveway access to property:

Culvert Permit

Existing homes on property?

0

Fire sprinklers?

No

If yes, blueprints included?

No

Provide actual distance of structure from property lines:

Site Plan Setbacks Front

130'

Site Plan Setback Side 1

30'

Site Plan Setback Side 2

52.6'

Site Plan Setbacks Rear

494'

Septic# (00-0000) or (X00-000)

Clay Elec.

Power Company

200

Service Amps

Zoning Applications applied for:

ROOF OPTIONS

Sealed roof decking options. (Must select one option per FBC 2023 8th Edition)

Columbia County New Building Permit Application

For Office Use Only Application # 63923 Date Received _____ By _____ Permit # _____

Zoning Official J.C. Date 1-29-24 Flood Zone _____ Land Use _____ Zoning _____

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner J.C. Date 1-29-24

Comments _____

☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ 911 Sheet ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____

☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☐ Sub VF Form _____

Septic Permit No. _____ OR City Water ☐ Fax N/A

Applicant (Who will sign/pickup the permit) Mark Bauer Phone 352-283-2002

Address 25232 NW 168th Ln. High Springs, FL 32643

Owners Name Mark & Patricia McCormick Phone 828-494-2652

911 Address 131 SW Governors Glen Lake City 32024

Contractors Name Mark Bauer/Gibaltar Contracting, LLC Phone 352-283-2002

Address 25232 NW 168th Ln High Springs, FL 32643

Contact Email gibaltarcontracting@gmail.com ***Updates will be sent here

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Will Myers / Mark Dissaway Lake City

Mortgage Lenders Name & Address _____

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

Property ID Number 01-55-16-03406-205 Estimated Construction Cost \$500,000.00

Subdivision Name Rose Creek Plantation Lot 5 Block _____ Unit _____ Phase 1

Construction of New STD ☐ Commercial OR ☒ Residential

Proposed Use/Occupancy Single Family Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? _____ If Yes, blueprints included _____ Or Explain _____

☒ Check Proposed - ☒ Culvert Permit ☐ Culvert Waiver ☐ D.O.T. Permit ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 130' side 30' side 52.6' Rear 49.4'

Number of Stories 1 Heated Floor Area 2166 sf Total Floor Area 3009 sf Acreage 2.5 ac

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) _____

CODES: 2023 Florida Building Code 8th Edition and the 2020 National Electrical Code.

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

TIME LIMITATIONS 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 pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Printed Owners Name
 Mark McCormick
 Patricia McCormick

Owners Signature
 Mark McCormick
 Patricia McCormick

****Property owners must sign here before any permit will be issued.**

CONTRACTORS AFFIDAVIT: By my signature, I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's License Number CBC1259433
Columbia County
Competency Card Number

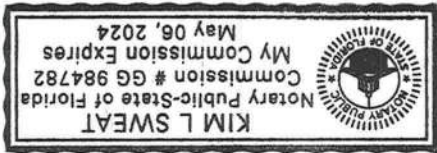
Contractor's Signature
 Affirmed and subscribed before me the Contractor by means of ☒ physical presence or ☐ online notarization, this 10th day of January 2024, who was personally known ☐ or produced ID ☐

State of Florida Notary Signature (For the Contractor)

(Electronic Signatures Are Accepted.) Page 2 of 2

(Owner and Contractor Signature page)

Revised 12/2023



SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT #

JOB NAME

Lot 5 McCormick

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL	CC#	Print Name	Signature	Phone #	Need
MECHANICAL/A/C	CC#	Print Name	Signature	Phone #	Need
PLUMBING/GAS	CC#	Print Name	Signature	Phone #	Need
ROOFING	CC#	Print Name	Signature	Phone #	Need
SHEET METAL	CC#	Print Name	Signature	Phone #	Need
FIRE SYSTEM/SPRINKLER	CC#	Print Name	Signature	Phone #	Need
SOLAR	CC#	Print Name	Signature	Phone #	Need
STATE SPECIALTY	CC#	Print Name	Signature	Phone #	Need

License #: EC0002306
 Company Name: High Springs Electric, Inc.
 Phone #: 386-623-0499
 Print Name: Donald R Davis
 Signature: [Signature]

☐ DE
☐ EX
☐ W/C
☐ Lab
☐ Lic
☐ Need

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MECHANICAL/A/C	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
		Clinton Wilson	Wilson Heat & Air Inc	CAC0578810		386-496-9000						
PLUMBING/GAS	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
ROOFING	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
SHEET METAL	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
FIRE SYSTEM/SPRINKLER	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
SOLAR	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE
STATE SPECIALTY	CC#	Print Name	Company Name	License #	Signature	Phone #	Need	Lic	Lab	W/C	EX	DE

JOB NAME Lot 5 McCarmick

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

the Columbia County Building Department.
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Ref: F.S. 440.103; ORD. 2016-30

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____

JOB NAME _____

Lot 5 McCormick

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ELECTRICAL	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
MECHANICAL/A/C	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
PLUMBING/GAS	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
ROOFING	CC# _____ Print Name <u>Lewis Walker</u> Company Name <u>Lewis Walker Roofing Inc</u> License # <u>CC1333551</u> Signature _____ Phone # <u>866.959.7663</u>	Need Lic Lab W/C EX DE
SHEET METAL	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
FIRE SYSTEM/SPRINKLER	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
SOLAR	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE
STATE SPECIALTY	CC# _____ Print Name _____ Company Name _____ License # _____ Signature _____ Phone # _____	Need Lic Lab W/C EX DE



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

To maintain compliance with the county's Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The standards for addressing and posting numbers to all principal buildings, dwellings, businesses and industries are in accordance with Chapter 102, Article IV of the Columbia County Code of Ordinances. The addressing system better enables Emergency Services and Law Enforcement Agencies to respond in the event of an emergency. This address is also used by the United States Postal Service and delivery services in the timely and efficient provision of services.

Date/Time Issued:

11/30/2023 6:33:27 PM

Address:

131 SW GOVERNORS GLN

City:

LAKE CITY

State:

FL

Zip Code

32024

Parcel ID

03406-205

REMARKS: New address for Habitable structure (family home, business, etc.) on the parcel.

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

Address Issued By:

SCHOFIELD, LINCOLN C.



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

LETTER OF AUTHORIZATION TO SIGN FOR PERMITS

I, Mark Bauer (license holder name), licensed qualifier for Gibralter Contracting, LLC (company name), do certify that the below referenced person(s) listed on this form is/are contracted/hired by me, the license holder, or is/are employed by me directly or through an employee leasing arrangement; or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said person(s) is/are under my direct supervision and control and is/are authorized to purchase permits, call for inspections and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. Kim Sweat	1. <u>Kim Sweat</u>
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done under my license and fully responsible for compliance with all Florida Statutes, Codes, and Local Ordinances. I understand that the State and County Licensing Boards have the power and authority to discipline a license holder for violations committed by him/her, his/her agents, officers, or employees and that I have full responsibility for compliance with all statutes, codes and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or officer(s), you must notify this department in writing of the changes and submit a new letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.

License Holders Signature (Notarized) _____
License Number CBC1259633
Date Jan 10, 2024

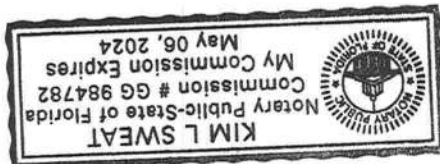
NOTARY INFORMATION:
STATE OF: Florida
COUNTY OF: Alachua

The above license holder, whose name is

personally appeared before me and is known by me or has produced identification (type of I.D.) _____ on this 10th day of January, 2024

NOTARY'S SIGNATURE _____

(Seal/Stamp)



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST



MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018
AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. 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, FBC 1609.3.1 THRU 1609.3.3.

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 7/1/18

Website: <http://www.columbiacountyfla.com/BuildingandZoning.asp>

GENERAL REQUIREMENTS:

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Select From Drop down

1	Two (2) complete sets of plans containing the following:	☒	Yes	No	NA
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒	Yes	No	NA
3	Condition space (Sq. Ft.) 2166 sf Total (Sq. Ft.) under roof 3009 sf	☒	Yes	No	NA

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 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	☒	Yes	No	NA
5	Dimensions of all building set backs	☒	Yes	No	NA
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed	☒	Yes	No	NA
7	Provide a full legal description of property.	☒	Yes	No	NA

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

GENERAL REQUIREMENTS:

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Items to Include-
Circled as
Applicable
Each Box shall be

8	Plans or specifications must show compliance with FBCR Chapter 3	☒	Yes	No	NA
9	Basic wind speed (3-second gust), miles per hour	☒	Yes	No	NA
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	☒	Yes	No	NA
11	Wind importance factor and nature of occupancy	☒	Yes	No	NA
12	The applicable internal pressure coefficient, Components and Cladding	☒	Yes	No	NA
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component cladding materials not specially designed by the registered design professional.	☒	Yes	No	NA

Elevations Drawing including:

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

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breezeways, covered porches, deck, balconies	Yes	☐
22	Raised floor surfaces located more than 30 inches above the floor or grade	NA	☐
23	All exterior and interior shear walls indicated	Yes	☐
24	Shear wall opening shown (Windows, Doors and Garage doors)	Yes	☐
25	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.	Yes	☐
26	Safety glazing of glass where needed	Yes	☐
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	Yes	☐
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	NA	☐
29	Identify accessibility of bathroom (see FBCR SECTION 320)	Yes	☐

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
--	---

FBCR 403: Foundation Plans

30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	Yes	☐
31	All posts and/or column footing including size and reinforcing	Yes	☐
32	Any special support required by soil analysis such as piling.	Yes	☐
33	Assumed load-bearing value of soil	NA	☐
34	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	NA	☐

Select From Drop down

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

37	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	Yes	☐
----	--	-----	--------------------------

FBCR 606: Masonry Walls and Stem Walls (load bearing & shear Walls)

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

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

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

FBRC 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
--	---

Select from Drop down

53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		☐
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		☐
55	Show wood structural panel's sheathing attachment to studs, joists, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	Yes		☐
56	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	Yes		☐
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes		☐
58	Indicate where pressure treated wood will be placed	Yes		☐
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		☐
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		☐

FRICK: ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10, 1 Wood trusses	Yes	☒	☒
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	Yes	☒	☒
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	Yes	☒	☒
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	Yes	☒	☒
65	Provide dead load rating of trusses	Yes	☒	☒

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assemblies covering	Yes			
73	Submit Florida Product Approval numbers for each component of the roof assemblies covering	Yes			

FBRC Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBRC Chapter 11 Residential buildings compliance methods. Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, 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**

Select from Drop Down

74	Show the insulation R value for the following areas of the structure	Yes			
75	Attic space	Yes			
76	Exterior wall cavity	Yes			
77	Crawl space	Yes			

HVAC information

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

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation/drain	Yes			
82	Show the location of water heater	Yes			

Private Potable Water

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

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	Yes			
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	Yes			
88	Show the location of smoke detectors & Carbon monoxide detectors	Yes			
89	Show service panel, sub-panel, location(s) and total ampere ratings	Yes			
90	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.	Yes			
91	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	Yes			
92	Appliances and HVAC equipment and disconnects	Yes			
92	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.	Yes			

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 performed.

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

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

93	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.	Yes	☒
94	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	Yes	☒
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	-	
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	-	
97	Toilet facilities shall be provided for all construction sites	Yes	☒
98	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.	-	
99	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 (Municode.com)	NA	☒
100	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.	Yes	☒
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	NA	☒
102	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 installation 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.	Yes	☒
103	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.	Yes	☒

Select from Drop down

Ordinance Sec. 90-75. - Construction debris. (c) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, canals, or lots less than ten acres in size within the county.

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.
**This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>

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.

Section 105.3.4 A building permit for a single-family residential dwelling.

Single-family residential dwelling 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 construed 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.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM R405-2023

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Lot 5 Rose Creek Plantation
Street:	Lake City, FL, 32024
City, State, Zip:	McCormick's
Owner:	FL, Gainesville
Design Location:	
Builder Name:	Gibraltar Contracting, LLC.
Permit Office:	Columbia County
Permit Number:	
Jurisdiction:	Columbia (Florida Climate Zone 2)
County:	

1. New construction or existing	Detached
2. Single family or multiple family	1
3. Number of units, if multiple family	4
4. Number of Bedrooms	No
5. Is this a worst case?	2166
6. Conditioned floor area above grade (ft²)	0
7. Conditioned floor area below grade (ft²)	278.00 ft²
8. U-Factor: SHGC=0.25 DBI, U=0.36	Area
9. U-Factor: SHGC=0.25	2166.00 ft²
10. U-Factor: SHGC=0.25	Area
11. U-Factor: SHGC=0.25	2166.00 ft²
12. U-Factor: SHGC=0.25	Area
13. U-Factor: SHGC=0.25	2166.00 ft²
14. U-Factor: SHGC=0.25	Area
15. U-Factor: SHGC=0.25	2166.00 ft²
16. U-Factor: SHGC=0.25	Area
17. U-Factor: SHGC=0.25	2166.00 ft²

DATE:	01 / 10 / 2024
OWNER/AGENT:	
DATE:	
PREPARED BY:	
Code:	
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
DATE:	

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- 1 of the 1 duct systems requires a Duct Leakage Test Report. Systems with Default duct leakage do not require this report.

- Compliance requires an Air Barrier and Insulation Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

10. Wall Types (2049.5 sqft.)	Insulation	Area	1851.50 ft²
a. Frame - Wood, Exterior	Insulation	Area	1851.50 ft²
b. Frame - Wood, Adjacent	Insulation	Area	198.00 ft²
c. N/A			
d. N/A			
11. Ceiling Types (2382.6 sqft.)	Insulation	Area	2382.60 ft²
a. Flat ceiling under att (Vented)	Insulation	Area	2382.60 ft²
b. N/A			
c. N/A			
12. Roof (Comp. Shingles, Vented) Deck R=0.0	Insulation	Area	2508 ft²
a. Sup: Attic, Ret: Attic, AH: Main	Insulation	Area	2508 ft²
b. N/A			
c. N/A			
13. Ducts, location & insulation level	Insulation	Area	2508 ft²
a. Sup: Attic, Ret: Attic, AH: Main	Insulation	Area	2508 ft²
b. N/A			
c. N/A			
14. Cooling Systems	Insulation	Area	2508 ft²
a. Central Unit	Insulation	Area	2508 ft²
b. N/A			
c. N/A			
15. Heating Systems	Insulation	Area	2508 ft²
a. Electric Heat Pump	Insulation	Area	2508 ft²
b. N/A			
c. N/A			
16. Hot Water Systems	Insulation	Area	2508 ft²
a. Propane Tankless	Insulation	Area	2508 ft²
b. N/A			
c. N/A			
17. Credits	Insulation	Area	2508 ft²
a. CV, Pstat	Insulation	Area	2508 ft²
b. None	Insulation	Area	2508 ft²
c. None	Insulation	Area	2508 ft²

DATE:	
BUILDING OFFICIAL:	
DATE:	
REVIEW OF THE PLANS AND SPECIFICATIONS COVERED BY THIS CALCULATION INDICATES COMPLIANCE WITH THE FLORIDA ENERGY CODE. BEFORE CONSTRUCTION IS COMPLETED THIS BUILDING WILL BE INSPECTED FOR COMPLIANCE WITH SECTION 553.908 FLORIDA STATUTES.	
REVIEW OF THE PLANS AND SPECIFICATIONS COVERED BY THIS CALCULATION INDICATES COMPLIANCE WITH THE FLORIDA ENERGY CODE. BEFORE CONSTRUCTION IS COMPLETED THIS BUILDING WILL BE INSPECTED FOR COMPLIANCE WITH SECTION 553.908 FLORIDA STATUTES.	
DATE:	

INPUT SUMMARY CHECKLIST REPORT

FORM R405-2023

PROJECT														
Title: Lot 5 Rose Creek Plantation Builder Home ID: 1 Builder Name: Gibraltar Contracting, LLC. Permit Office: Columbia County Jurisdiction: Detached Family Type: New (From Plans) New/Existing: 2024 Year Construct: Comment:														
Bedrooms: 4 Conditioned Area: 2166 Total Stories: 1 Worst Case: No Rotate Angle: 0 Cross Ventilation: Yes Whole House Fan: No Terrain: Suburban Shielding: Suburban														
Address type: Lot Lot #: 5 Block/SubDivision: Rose Creek Plan PlatBook: Columbia Street: Lake City, FL, 32024 County: City, State, Zip: Heating Degree Days Moisture Design Range Daily temp														
CLIMATE														
Design Location Tmy Site Design Temp 97.5% Int Design Temp 2.5% Winter Summer Heating Degree Days Moisture Design Range Daily temp														
BLOCKS														
Number Area Volume														
1 Block1 2166 19494 cu ft														
SPACES														
Number Name Area Volume Kitchen Occupants Bedrooms Finished Cooled Heated														
1 Main 2166 19494 Yes 8 4 Yes Yes Yes														
(Total Exposed Area = 2166 sq.ft.)														
FLOORS														
# Floor Type Space Exposed Perim(ft) Area R-Value U-Factor Slab Insul. Tile Wood Carpet														
1 Slab-On-Grade Edge Ins Main 231.4 2166 sqft 0 --- 0.304 2 (ft)/0 (ft) 0.00 0.00 1.00														
ROOF														
# Type Materials Roof Gable Roof Color Rad Solar SA Emitt Emitt Deck Pitch														
1 Hip Composition shingles 2508 ft² 0 ft² Medium Y 0.96 No 0.9 No 0 30.26														
ATTIC														
# Type Ventilation Vent Ratio (1 in) Area RBS IRCC														
1 Full attic Vented 300 2166 ft² Y N														
(Total Exposed Area = 2383 sq.ft.)														
CEILING														
# Ceiling Type Space R-Value Ins. Type Area U-Factor Framing Frac. Truss Type														
1 Flat ceiling under attic(Vented) Main 38.0 Double Batt 2382.6ft² 0.024 0.11 Wood														

INPUT SUMMARY CHECKLIST REPORT

FORM R405-2023

WALLS														
#	Ornt	Adjacent To	Wall Type	Space	Cavity	Width	Height	Area	U-Value	R-Value	Factor	sq.ft.	Frm. Absor.	Grade
1	S	Exterior	Frame - Wood	Main	13.0	11.0	8	9.0	0	105.0	0.084	0.23	0.75	0 %
2	S	Exterior	Frame - Wood	Main	13.0	10.0	6	10.0	0	105.0	0.084	0.23	0.75	0 %
3	S	Exterior	Frame - Wood	Main	13.0	13.0	8	9.0	0	123.0	0.084	0.23	0.75	0 %
4	S	Garage	Frame - Wood	Main	13.0	22.0	0	9.0	0	198.0	0.084	0.23	0.75	0 %
5	E	Exterior	Frame - Wood	Main	13.0	40.0	6	9.0	0	364.5	0.084	0.23	0.75	0 %
6	N	Exterior	Frame - Wood	Main	13.0	12.0	8	9.0	0	114.0	0.084	0.23	0.75	0 %
7	W	Exterior	Frame - Wood	Main	13.0	7.0	8	9.0	0	69.0	0.084	0.23	0.75	0 %
8	N	Exterior	Frame - Wood	Main	13.0	13.0	6	10.0	0	135.0	0.084	0.23	0.75	0 %
9	W	Exterior	Frame - Wood	Main	13.0	9.0	0	10.0	0	90.0	0.084	0.23	0.75	0 %
10	N	Exterior	Frame - Wood	Main	13.0	15.0	6	10.0	0	155.0	0.084	0.23	0.75	0 %
11	E	Exterior	Frame - Wood	Main	13.0	9.0	0	9.0	0	81.0	0.084	0.23	0.75	0 %
12	N	Exterior	Frame - Wood	Main	13.0	16.0	2	9.0	0	145.5	0.084	0.23	0.75	0 %
13	W	Exterior	Frame - Wood	Main	13.0	40.0	6	9.0	0	364.5	0.084	0.23	0.75	0 %
(Total Exposed Area = 2050 sq.ft.)														
#	Ornt	Adjacent To	Wall Type	Space	Cavity	Width	Height	Area	U-Value	R-Value	Factor	sq.ft.	Frm. Absor.	Grade
DOORS														
(Total Exposed Area = 20 sq.ft.)														
#	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width	Height	Area	U-Value	R-Value	Factor	sq.ft.	Frm. Absor.
1	S	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²			
(Total Exposed Area = 278 sq.ft.)														
#	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	Depth Sep. --Overhang-- (ft)	Interior Shade	Screen
WINDOWS														
(Total Exposed Area = 278 sq.ft.)														
#	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume				
INFILTRATION														
1	S	Vinyl	Low-E Double	Y	0.36	0.25	N	16.0	2	2.00	4.00	1.5	1.0	None
2	S	TIM	Low-E Double	Y	0.36	0.25	N	15.0	1	3.00	5.00	4.0	1.0	None
3	S	Vinyl	Low-E Double	Y	0.36	0.25	N	36.0	2	3.00	6.00	1.5	1.0	None
4	E	Vinyl	Low-E Double	Y	0.36	0.25	N	15.0	1	3.00	5.00	1.5	1.0	None
5	N	Vinyl	Low-E Double	Y	0.36	0.25	N	15.0	1	3.00	5.00	1.5	1.0	None
6	N	Vinyl	Low-E Double	Y	0.36	0.25	N	15.0	1	3.00	5.00	1.5	1.0	None
7	W	TIM	Low-E Double	Y	0.36	0.25	N	20.0	1	3.00	6.67	6.0	1.0	None
8	N	Vinyl	Low-E Double	Y	0.36	0.25	N	60.0	4	2.50	6.00	10.5	1.0	None
9	N	Vinyl	Low-E Double	Y	0.36	0.25	N	30.0	2	3.00	5.00	1.5	1.0	None
10	N	Vinyl	Low-E Double	Y	0.36	0.25	N	20.0	2	2.00	5.00	1.5	1.0	None
11	W	Vinyl	Low-E Double	Y	0.36	0.25	N	20.0	2	2.00	5.00	1.5	1.0	None
GARAGE														
MASS														
#	Mass Type	Area	Thickness	Furniture Fraction	Space									
1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main									
GARAGE														
MASS														
#	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation									
1	732 ft²	732 ft²	79 ft	9 ft	1									
Wholehouse Proposed ACH(50)														
1	0.00029	1625	89.12	167.32	0.1027	5.0	All	19494 cu ft						

INPUT SUMMARY CHECKLIST REPORT

FORM R405-2023

HEATING SYSTEM														
#	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity	Geothermal HeatPump	Ducts	Block						
1	Electric Heat Pump	None/Single		HSPF2: 8.80	32.9	0.00	0.00	0.00	sys#1	1				
COOLING SYSTEM														
#	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity	kW/hr	Entry	Power	Volt	Current				
1	Central Unit	None/Single		SEER2: 15.5	26.3	780	0.75	sys#1	1					
HOT WATER SYSTEM														
#	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length				
1	Propane	Tankless	Exterior	0.59 (0.59)	1.00 gal	40 gal	120 deg	Standard	None	12				
	Recirculation	Recirc Control	Loop	length	Branch	Pump	DWHR	Facilities	Equal	DWHR	Other Credits			
1	No	NA	NA	length	NA	NA	No	NA	NA	NA	None			
DUCTS														
#	Duct	Supply	R-Value	Area	Location	Return	R-Value	Area	Leakage Type	Air	CFM 25	CFM 25	QN	HVAC #
1	Attic	6.0	542 ft²	Attic	6.0	108 ft²	Default Leakage	Main	(Default) (Default)	1				
TEMPERATURES														
Programmable Thermostat: Y Cooling [] Jan [] Feb [] Mar [] Apr [] May [] Jun [] Jul [] Aug [] Sep [] Oct [] Nov [] Dec [] Heating [X] Jan [X] Feb [X] Mar [X] Apr [X] May [X] Jun [X] Jul [X] Aug [X] Sep [X] Oct [X] Nov [X] Dec [X] Venting [] Jan [] Feb [] Mar [] Apr [] May [] Jun [] Jul [] Aug [] Sep [] Oct [] Nov [] Dec []														
Thermostat Schedule: HERS 2006 Reference Schedule Type: 1 2 3 4 5 6 7 8 9 10 11 12														
Cooling (WD) AM 78 80 78 78 78 78 78 78 78 78 78 78 78 78 78 78 Cooling (WEH) AM 78 78 78 78 78 78 78 78 78 78 78 78 78 78 78 78 Heating (WD) AM 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 Heating (WEH) PM 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66														

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 94

The lower the EnergyPerformance Index, the more efficient the home.

Lake City, FL, 32024

1. New construction or existing	New (From Plans)	Detached	1	c. N/A	10. Wall Types(2049.5 sqft.)	Insulation	R=13.0	1851.50 ft²	Area
2. Single family or multiple family					a. Frame - Wood, Exterior		R=13.0		
3. Number of units, if multiple family					b. Frame - Wood, Adjacent		R=13.0	198.00 ft²	
4. Number of Bedrooms			4		d. N/A				
5. Is this a worst case?		No			11. Ceiling Types(2382.6 sqft.)	Insulation	R=38.0	2382.60 ft²	Area
6. Conditioned floor area above grade (ft²)		2166			a. Flat ceiling under att (Vented)				
7. Windows**	Description	Area			12. Roof(Comp. Shingles, Vented) Deck R=0.0			2508 ft²	R ft²
a. U-Factor:	DbI, U=0.36	278.00 ft²			13. Ducts, location & insulation level				
SHGC:	SHGC=0.25				a. Sup: Attic, Ret: Attic, AH: Main			6	542
b. U-Factor:	N/A	ft²			b.				
SHGC:					c.				
c. U-Factor:	N/A	ft²			14. Cooling Systems				
SHGC:					a. Central Unit			26.3	SEER2:15.50
Area Weighted Average Overhang Depth:	3.901 ft								
Area Weighted Average SHGC:	0.250				15. Heating Systems				
U-Factor:(AVG)	N/A	Area			a. Electric Heat Pump			32.9	HSPF2:8.80
SHGC(AVG):	N/A	ft²							
9. Floor Types	Insulation	Area			16. Hot Water Systems				
a. Slab-On-Grade Edge Insulation	R= 0.0	2166.00 ft²			a. PropaneTankless				
b. N/A	R=	ft²			b. Conservation features				
c. N/A	R=	ft²			17. Credits				

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

Address of New Home:

City/FL Zip: Lake City, FL, 32024

Builder Signature:

Date:



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Envelope Leakage Test Report (Blower Door Test)
Residential Prescriptive, Performance or ERI Method Compliance
2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction: _____ Permit #: _____

Job Information

Builder: Gibraltar Contracting, LLC. Community: Lot: 5

Address:

City: Lake City State: FL Zip: 32024

Air Leakage Test Results

Passing results must meet either the Performance, Prescriptive, or ERI Method

☐ **PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

☒ **PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2023 (Performance) or R406-2023 (ERI), section labeled as infiltration, sub-section ACH50. ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI): 5.000

Method for calculating building volume:
$$\frac{\text{CFM}(50)}{60} \div \frac{\text{Building Volume}}{19494} = \text{ACH}(50)$$

☐ Retrieved from architectural plans
☒ Code software calculated
☐ Field measured and calculated

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

PASS

R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 if the Florida Building Code, Residential Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weathertstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.
7. If an attic is both sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting the infiltration volume and calculating the air leakage of the home.

Testing Company

Company Name: _____
I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

1/10/2024

McCormick's

Project Title:

Lot 5 Rose Creek Plantation

Lake City, FL 32024

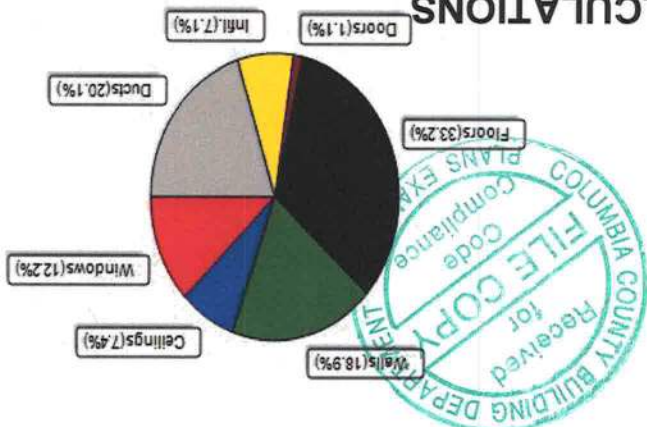
1/10/2024

Residential System Sizing Calculation

WINTER CALCULATIONS

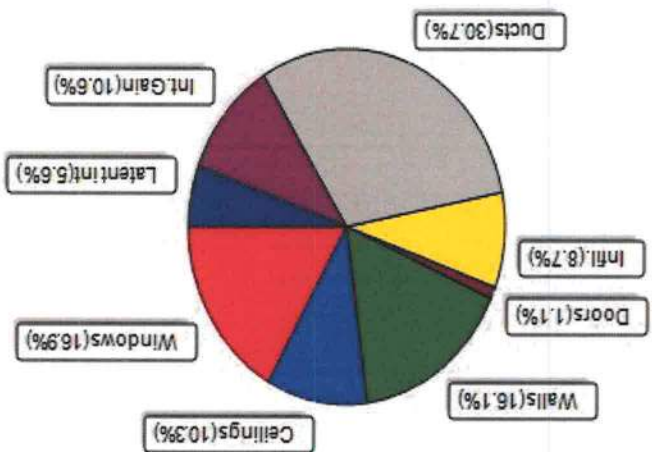
Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)		Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)	
Winter design temperature(MJ8 99%/Cu)33 F	Winter setpoint	37 F	Winter temperature difference
70 F			
Total heating load calculation		30419 Btuh	
Submitted heating capacity		% of calc Btuh	
Total (Electric Heat Pump)	108.0	32866	
Heat Pump + Auxiliary(0.0kW)	108.0	32866	
Total (Electric Heat Pump)		Latent	
		136.6	
		6586	
		91.6	
		26343	
Total (Electric Heat Pump)		Submitted cooling capacity	
		% of calc Btuh	
		82.5	
		19757	
		Sensible (SHR = 0.75)	
		32866	
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		Latent	

SUMMER CALCULATIONS



Winter Heating Load (for 2166 sqft)	
Load component	
Window total	278 sqft
Wall total	1752 sqft
Door total	20 sqft
Ceiling total	2383 sqft
Floor total	2166 sqft
Infiltration	53 cfm
Duct loss	
Subtotal	
Ventilation	Ex:0 cfm; Sup:0 cfm
TOTAL HEAT LOSS	
3703 Btu/h	
5752 Btu/h	
340 Btu/h	
2237 Btu/h	
10103 Btu/h	
2163 Btu/h	
6120 Btu/h	
30419 Btu/h	
30419 Btu/h	
0 Btu/h	
30419 Btu/h	

Winter Heating Load (for 2166 sqft)

[illegible]

Summer Cooling Load (for 2166 sqft)

EnergyGauge® S
PREPARED BY: _____
DATE: _____

EnergyGauge® System Sizing

PREPARED BY:

01 / 10 / 2024

8th Edition



EnergyGauge® / USRCZB v8.1.00

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

McCormick's

Lake City, FL 32024

Project Title:
Lot 5 Rose Creek Plantation
Building Type: User

1/10/2024

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 ° F (MJ8 99%/Cu)
Winter Setpoint: 70 ° F (Required Manual J default)

Component Loads for Whole House

Window	Panes/Type	Frame U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.25	Vinyl	0.36	S	16.0	13.3	213 Btuh
2	2, NFRC 0.25	TIM	0.36	S	15.0	13.3	200 Btuh
3	2, NFRC 0.25	Vinyl	0.36	S	36.0	13.3	480 Btuh
4	2, NFRC 0.25	Vinyl	0.36	E	15.0	13.3	200 Btuh
5	2, NFRC 0.25	Vinyl	0.36	N	15.0	13.3	200 Btuh
6	2, NFRC 0.25	Vinyl	0.36	N	45.0	13.3	599 Btuh
7	2, NFRC 0.25	TIM	0.36	W	20.0	13.3	266 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	60.0	13.3	799 Btuh
9	2, NFRC 0.25	Vinyl	0.36	N	30.0	13.3	400 Btuh
10	2, NFRC 0.25	Vinyl	0.36	W	20.0	13.3	266 Btuh
11	2, NFRC 0.25	Vinyl	0.36	W	6.0	13.3	80 Btuh
Window Total				278.0(sqft)			3703 Btuh
Walls	Type	Ornt. Ueff.	R-Value	Area X	HTM=	Load	
1	Frame - Wood	- Ext (0.089)	13.0/0.0	89	3.28	292 Btuh	
2	Frame - Wood	- Ext (0.089)	13.0/0.0	90	3.28	296 Btuh	
3	Frame - Wood	- Ext (0.089)	13.0/0.0	87	3.28	286 Btuh	
4	Frame - Wood	- Adj (0.089)	13.0/0.0	178	3.28	585 Btuh	
5	Frame - Wood	- Ext (0.089)	13.0/0.0	350	3.28	1148 Btuh	
6	Frame - Wood	- Ext (0.089)	13.0/0.0	99	3.28	325 Btuh	
7	Frame - Wood	- Ext (0.089)	13.0/0.0	69	3.28	227 Btuh	
8	Frame - Wood	- Ext (0.089)	13.0/0.0	90	3.28	296 Btuh	
9	Frame - Wood	- Ext (0.089)	13.0/0.0	70	3.28	230 Btuh	
10	Frame - Wood	- Ext (0.089)	13.0/0.0	95	3.28	312 Btuh	
11	Frame - Wood	- Ext (0.089)	13.0/0.0	81	3.28	266 Btuh	
12	Frame - Wood	- Ext (0.089)	13.0/0.0	116	3.28	379 Btuh	
13	Frame - Wood	- Ext (0.089)	13.0/0.0	339	3.28	1112 Btuh	
Wall Total				1752(sqft)	5752 Btuh		
Doors	Type	Storm Ueff.	Area X	HTM=	Load		
1	Insulated - Garage, n (0.460)	20	17.0	340 Btuh			
Door Total		20(sqft)		340Btuh			
Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load	
1	Flat ceil/D/Shing	(0.025)	38.0/0.0	2383	0.94	2237 Btuh	
Ceiling Total				2383(sqft)	2237Btuh		
Floors	Type	Ueff.	R-Value	Size X	HTM=	Load	
1	Slab On Grade	(1.180)	0.0	231.4 ft(perim.)	43.7	10103 Btuh	
Floor Total				2166 sqft	10103 Btuh		
Envelope Subtotal:		22136 Btuh					

Manual J Winter Calculations

Residential Load - Component Details (continued)

McCormick's
 Lake City, FL 32024
 Project Title:
 Lot 5 Rose Creek Plantation
 Building Type: User

1/10/2024

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=
2163 Btuh	Natural	0.16	19494	1.00	53.4
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.252)				
6120 Btuh					
All Zones	Sensible Subtotal All Zones				
30419 Btuh					

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sens. Heat Loss (Ex:0 cfm; Sup:0 cfm)	30419 Btuh 0 Btuh 30419 Btuh
--------------------	---	------------------------------------

EQUIPMENT

1. Electric Heat Pump	#	32866 Btuh
-----------------------	---	------------

Key: Window types - NFR (Requires U-Factor and SHGC defaults)
 or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
 U - (Window U-Factor)
 HTM - (Manual Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

McCormick's

Project Title:

Lot 5 Rose Creek Plantation

Lake City, FL 32024

1/10/2024

Reference City: Gainesville, FL (Defaults)

Temperature Difference: 24.0F(MJ8 99%/Cu)

Summer Setpoint: 75 °F (Required Manual J default)

Component Loads for Whole House

Window	Type*										Overhang	Window Area(sqft)	HTM	Load
1	2 NFRC	0.25, 0.36	No	S	1.5ft.	1.0ft.	16.0	16.0	16.0	0.0	14	16	222 Btuh	
2	2 NFRC	0.25, 0.36	No	S	4.0ft.	1.0ft.	15.0	15.0	15.0	0.0	14	16	208 Btuh	
3	2 NFRC	0.25, 0.36	No	S	1.5ft.	1.0ft.	36.0	36.0	36.0	0.0	14	16	500 Btuh	
4	2 NFRC	0.25, 0.36	No	E	1.5ft.	1.0ft.	15.0	15.0	15.0	0.7	14	33	477 Btuh	
5	2 NFRC	0.25, 0.36	No	N	1.5ft.	1.0ft.	15.0	15.0	15.0	0.0	14	14	208 Btuh	
6	2 NFRC	0.25, 0.36	No	N	1.5ft.	1.0ft.	45.0	45.0	45.0	0.0	14	14	625 Btuh	
7	2 NFRC	0.25, 0.36	No	W	6.0ft.	1.0ft.	20.0	11.9	8.1	14	33	430 Btuh		
8	2 NFRC	0.25, 0.36	No	N	10.5ft	1.0ft.	60.0	0.0	30.0	14	14	834 Btuh		
9	2 NFRC	0.25, 0.36	No	N	1.5ft.	1.0ft.	30.0	0.0	30.0	14	14	417 Btuh		
10	2 NFRC	0.25, 0.36	No	W	1.5ft.	1.0ft.	20.0	1.0	19.0	14	33	636 Btuh		
11	2 NFRC	0.25, 0.36	No	W	1.5ft.	1.0ft.	6.0	0.5	5.5	14	33	187 Btuh		
Excursion														
Window Total														
Type														
U-Value R-Value Area(sqft)														
HTM														
Load														
4856 Btuh														
Walls	Type													
1	Frame - Wood - Ext	0.09	13.0/0.0	89.0	2.7	241 Btuh								
2	Frame - Wood - Ext	0.09	13.0/0.0	90.0	2.7	244 Btuh								
3	Frame - Wood - Ext	0.09	13.0/0.0	87.0	2.7	236 Btuh								
4	Frame - Wood - Adj	0.09	13.0/0.0	178.0	2.1	379 Btuh								
5	Frame - Wood - Ext	0.09	13.0/0.0	349.5	2.7	946 Btuh								
6	Frame - Wood - Ext	0.09	13.0/0.0	99.0	2.7	268 Btuh								
7	Frame - Wood - Ext	0.09	13.0/0.0	69.0	2.7	187 Btuh								
8	Frame - Wood - Ext	0.09	13.0/0.0	90.0	2.7	244 Btuh								
9	Frame - Wood - Ext	0.09	13.0/0.0	70.0	2.7	189 Btuh								
10	Frame - Wood - Ext	0.09	13.0/0.0	95.0	2.7	257 Btuh								
11	Frame - Wood - Ext	0.09	13.0/0.0	81.0	2.7	219 Btuh								
12	Frame - Wood - Ext	0.09	13.0/0.0	115.5	2.7	313 Btuh								
13	Frame - Wood - Ext	0.09	13.0/0.0	338.5	2.7	916 Btuh								
Wall Total														
Type														
Area (sqft)														
HTM														
Load														
4639 Btuh														
Doors	Type													
1	Insulated - Garage	20.0	20 (sqft)	Area (sqft)	1752 (sqft)	1779 Btuh								
Ceilings	Type/Color/Surface													
1	Vented Attic/DarkShingle/RB	0.025	38.0/0.0	2382.6	1.24	2963 Btuh								
Ceiling Total														
Type														
R-Value														
Size														
HTM														
Load														
2963 Btuh														
Floors	Type													
1	Slab On Grade	0.0	2166 (ft-perimeter)	2166.0 (sqft)	0.0	0 Btuh								
Floor Total														
Envelope Subtotal:														
12779 Btuh														

Manual J Summer Calculations

Residential Load - Component Details (continued)

McCormick's

Lake City, FL 32024

Lot 5 Rose Creek Plantation

Project Title: Climate: FL_GAINESVILLE_REGIONAL_A

1/10/2024

Infiltration	Type	Average ACH 0.12				Volume(cuft) 19494	Wall Ratio 1	CFM= 40.0	Load 1052 Btu/h	
Internal	gain	Occupants 8				Btu/h/occupant 230	+	Appliance 1200	Load 3040 Btu/h	
		Sensible Envelope Load:								16872 Btu/h
Duct load		Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.420)								7078 Btu/h
		Sensible Load All Zones								23949 Btu/h

Manual J Summer Calculations

Residential Load - Component Details (continued)

McCormick's
Project Title: Climate: FL_GAINESVILLE_REGIONAL_A
Lot 5 Rose Creek Plantation

Lake City, FL 32024

1/10/2024

WHOLE HOUSE TOTALS

Whole House Totals for Cooling		
Sensible Envelope Load All Zones	16872 Btuh	
Sensible Duct Load	7078 Btuh	
Total Sensible Zone Loads	23949 Btuh	
Sensible ventilation (Ex:0 cfm; Sup:0 cfm)	0 Btuh	
Blower	0 Btuh	
Total sensible gain	23949 Btuh	
Latent infiltration gain (for 54 gr. humidity difference)	1463 Btuh	
Latent ventilation gain	0 Btuh	
Latent duct gain	1757 Btuh	
Latent occupant gain (8.0 people @ 200 Btuh per person)	1600 Btuh	
Latent other gain	0 Btuh	
Latent total gain	4820 Btuh	
TOTAL GAIN	28770 Btuh	

EQUIPMENT

1. Central Unit	#	26343 Btuh
-----------------	---	------------

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



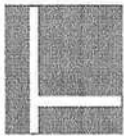
Version 8

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

NOTES:

the products listed below and not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with; 3) copy of the applicable manufacturers installation requirements.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	Plastpro	Exterior Swinging Doors	FL-16094-1
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS	MI	Single Hung Vinyl Windows	FL-17499
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS	Hardie	Concrete Masonry Siding	FL-13192
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			Tamko
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS	H2.5	11STA24	10456.7
E. UNITS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			



5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

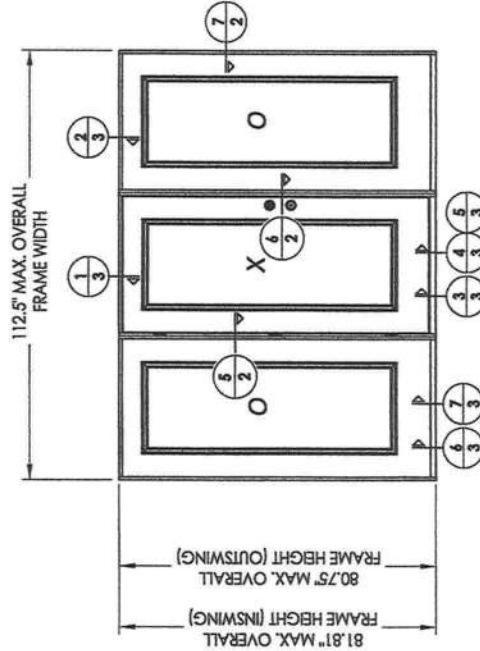
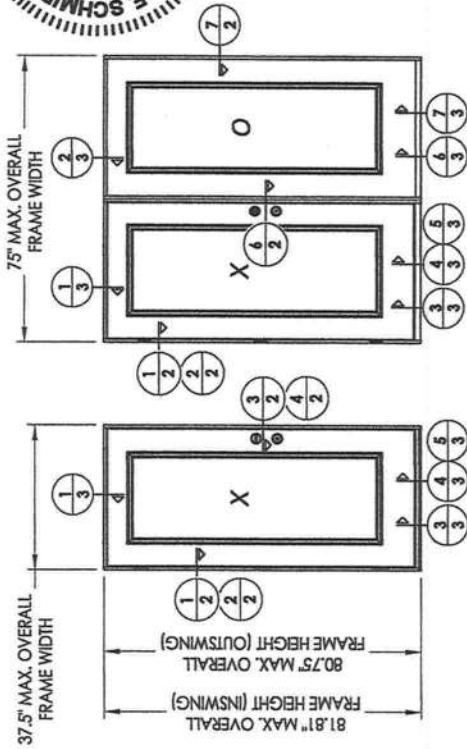
GLAZED FIBERGLASS SINGLE DOOR
w/ or w/out SIDELITE(S)
Inswing / Outswing
"IMPACT"

GENERAL NOTES

1. This product anchoring drawing has been developed and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations utilizing the high dam sill (see Section 5/3), meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and must be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck anchoring & bill of materials
5	Frame anchoring & glazing details

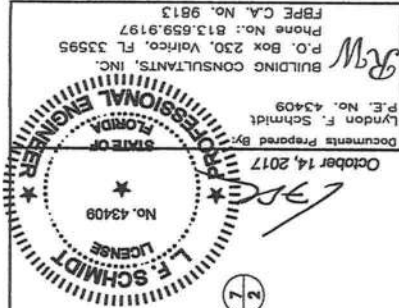


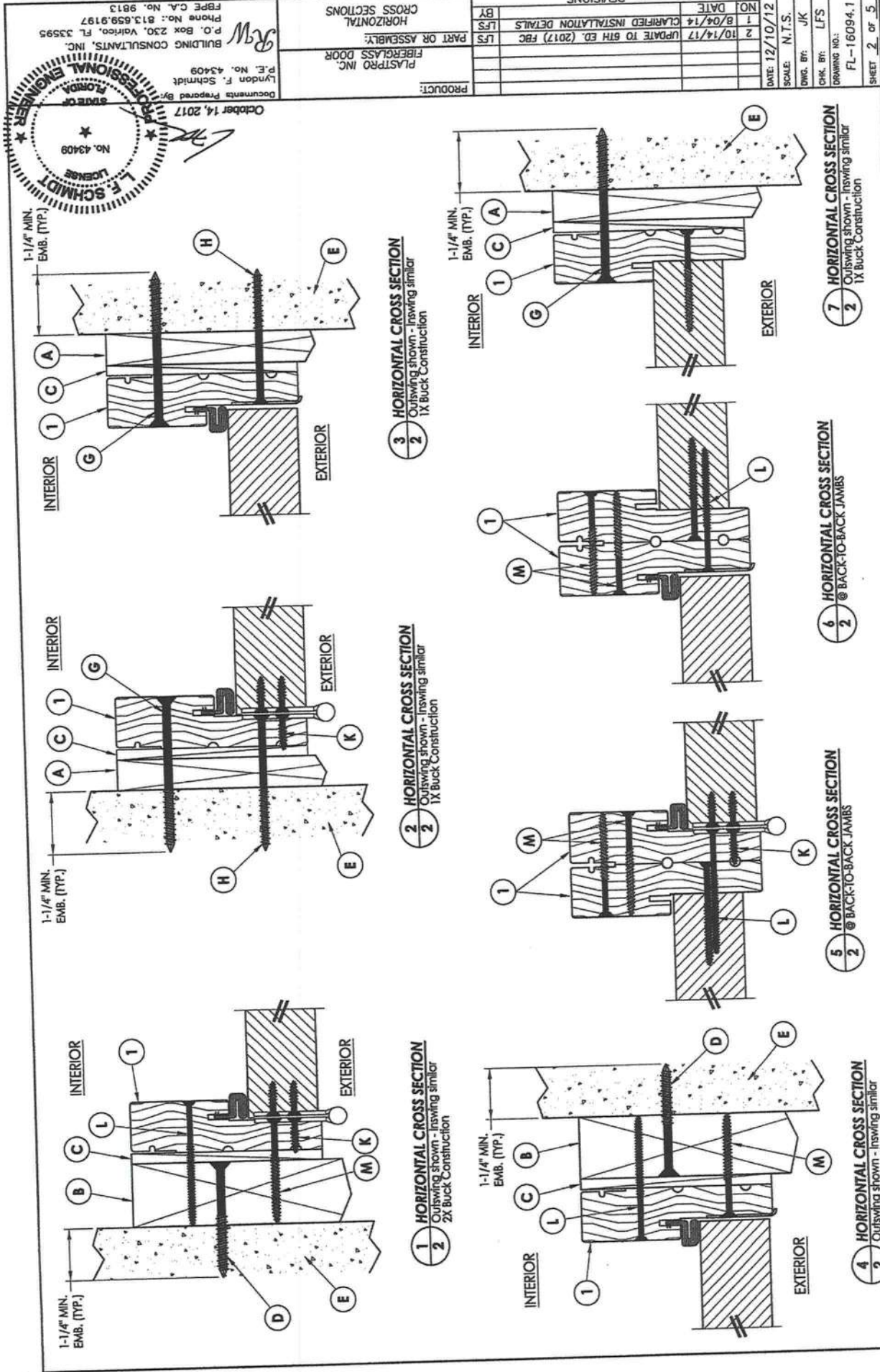
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
X	37.5" x 81.81"	+50.0	-50.0
XO/OX	75.0" x 81.81"	+50.0	-50.0
OXO	112.5" x 81.81"	+50.0	-50.0

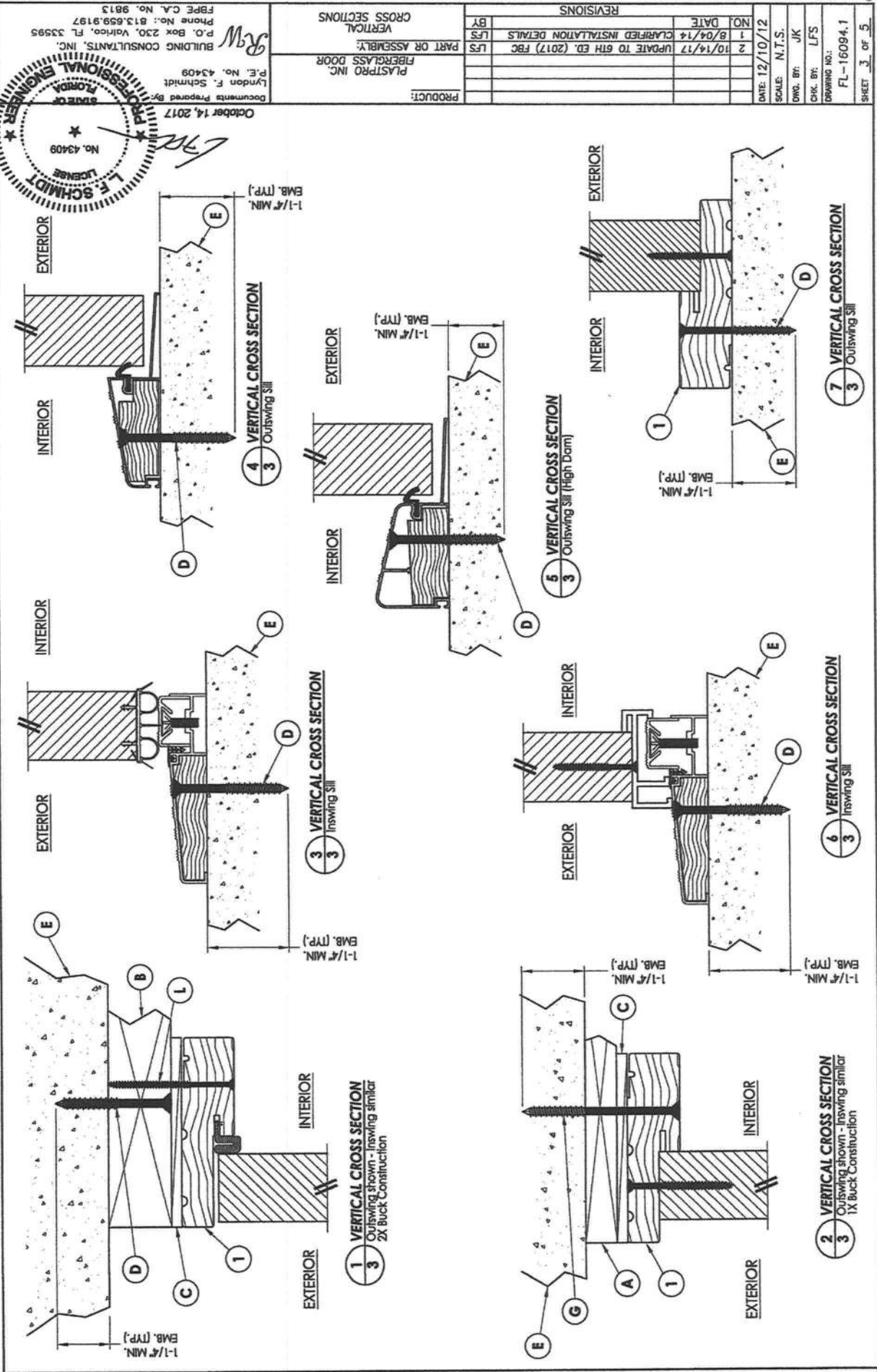
PRODUCT: PLASTPRO
FIBERGLASS DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS	
NO.	DATE
1	8/04/14
2	10/14/17
3	10/14/17
4	10/14/17
5	10/14/17
6	10/14/17
7	10/14/17
8	10/14/17
9	10/14/17
10	10/14/17
11	10/14/17
12	10/14/17

DATE: 12/10/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16094.1
SHEET 1 OF 5





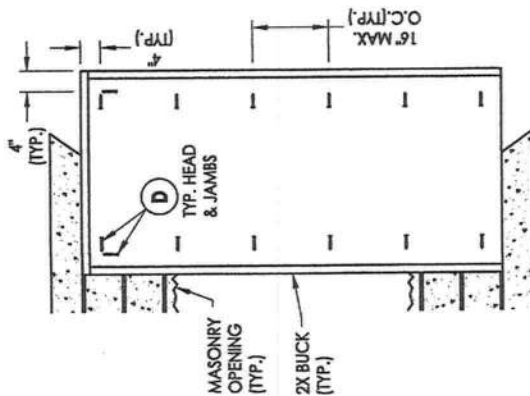


BILL OF MATERIALS		MATERIAL
ITEM #	DESCRIPTION	
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
K	#9 X 3/4" PFH WOOD SCREW	STEEL
L	#8 X 3" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
M	#10 X 2-1/2" PFH WOOD SCREW	STEEL
1	FINGER JOINTED PINE HEAD & JAMB (SG >= 0.42)	WOOD

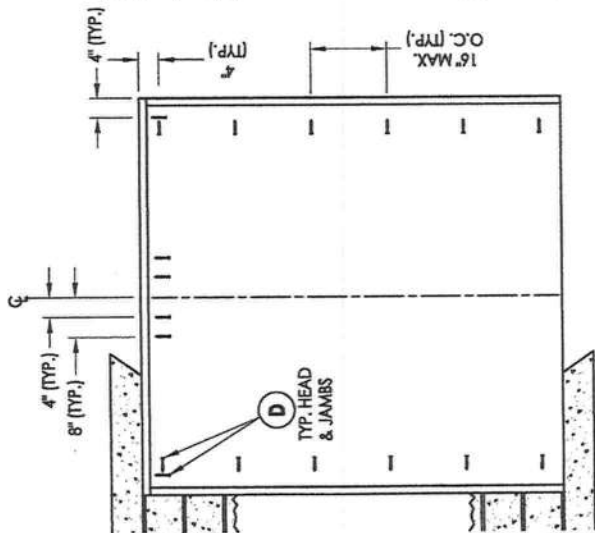
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"

- CONCRETE ANCHOR NOTES:
1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
 2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. Concrete anchor locations noted as "MAX. O.C. [TYP.]" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. [TYP.]" dimension are not exceeded.
 3. Concrete anchor table:

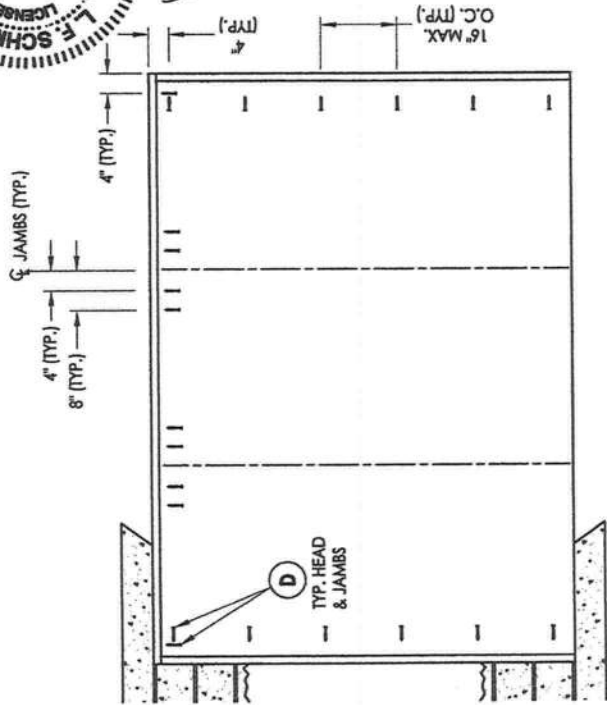
BUCK ANCHORING
X



BUCK ANCHORING
XO / XO



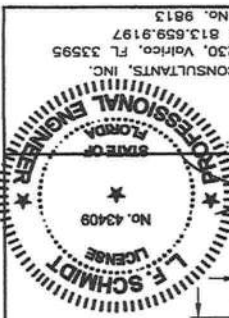
BUCK ANCHORING
OXO



REVISIONS	
NO.	DATE
1	8/04/14
2	10/14/17
CLARIFIED INSTALLATION DETAILS	
UPDATE TO 6TH ED. (2017) FBC	
BY	LFS
DATE	12/10/12
SCALE	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16094.1
SHEET	4 OF 5

PRODUCT:	PLASPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING & BILL OF MATERIALS

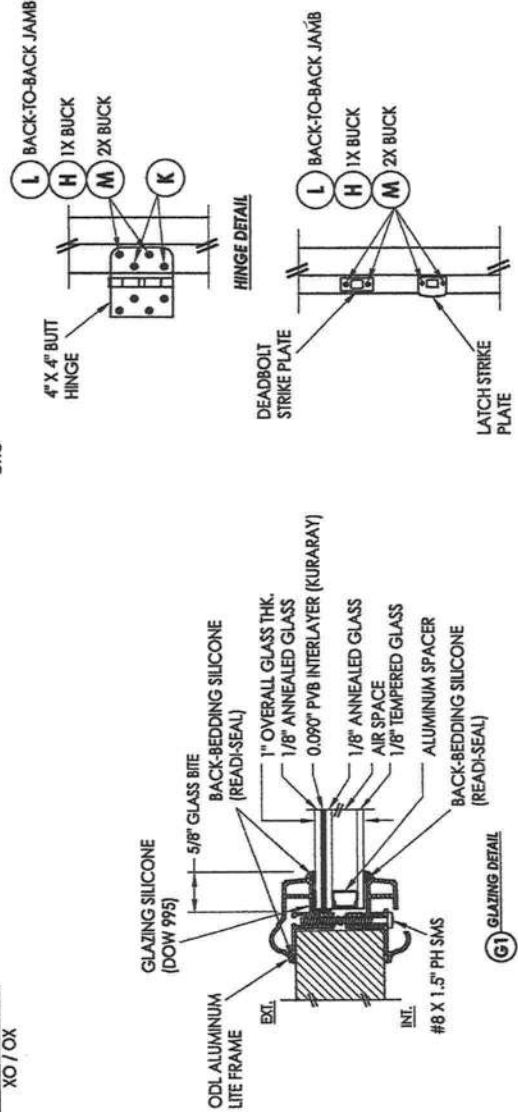
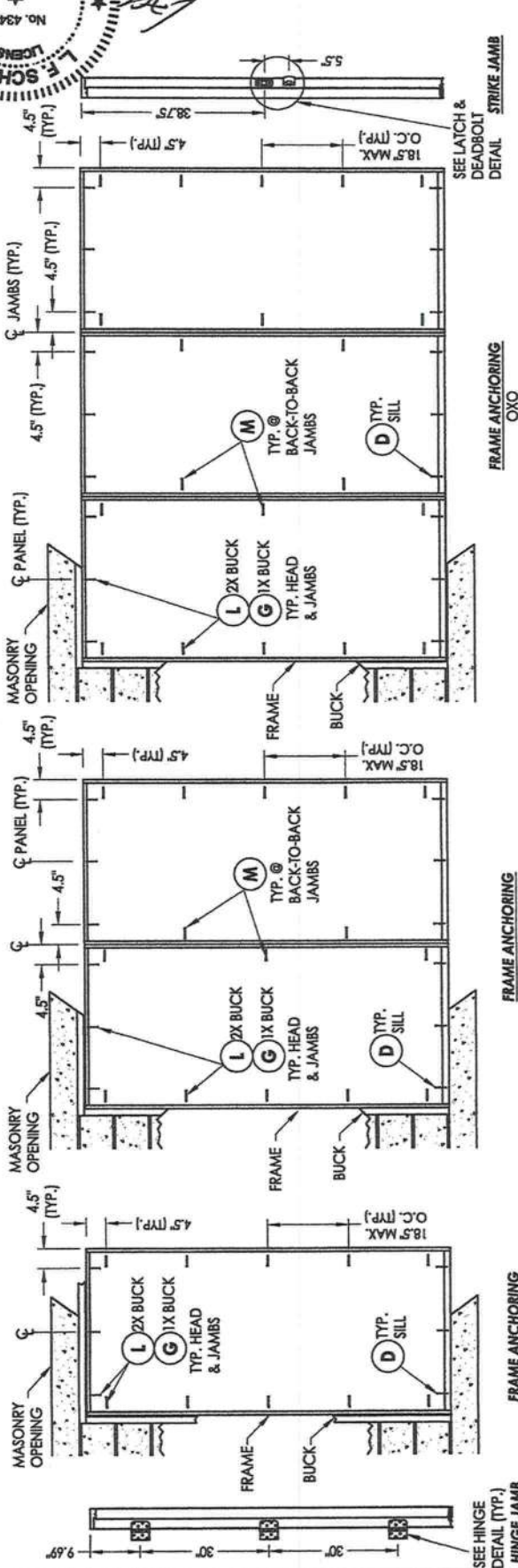
October 14, 2017
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
BUILDING CONSULTANTS, INC.
P.O. Box 230, Volusia, FL 32955
Phone No.: 813.659.9197
FBPE C.A. No. 9813



SHEET	5	OF	5
DRAWING NO.	FL-16094.1		
CHEK BY:	LFS	JFK	
DATE:	12/01/12	N.T.S.	
NO.	1	DATE	8/04/14
	2		UPDARED TO 6TH ED. (2017) FBC CLARIFIED INSTALLATION DETAILS
LFS			
LFS			
BY			
REVISIONS			

CT: PLASTPRO FIBERGLASS DOOR
OR ASSEMBLY;
FRAME ANCHORING &
GLAZING DETAILS

Documents Prepared By: *London F. Schmidt*
P.E. No. 45409
PROFESSIONAL ENGINEER
FLORIDA
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vero Beach, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813



HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (960)

CONCRETE ANCHOR NOTES:

- CONCRETE ANCHOR NOTES:**
1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
 2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. Concrete anchor locations noted as "MAX. O.C. [TP]" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. [TP]" dimension are not exceeded.
- Concrete anchor label:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

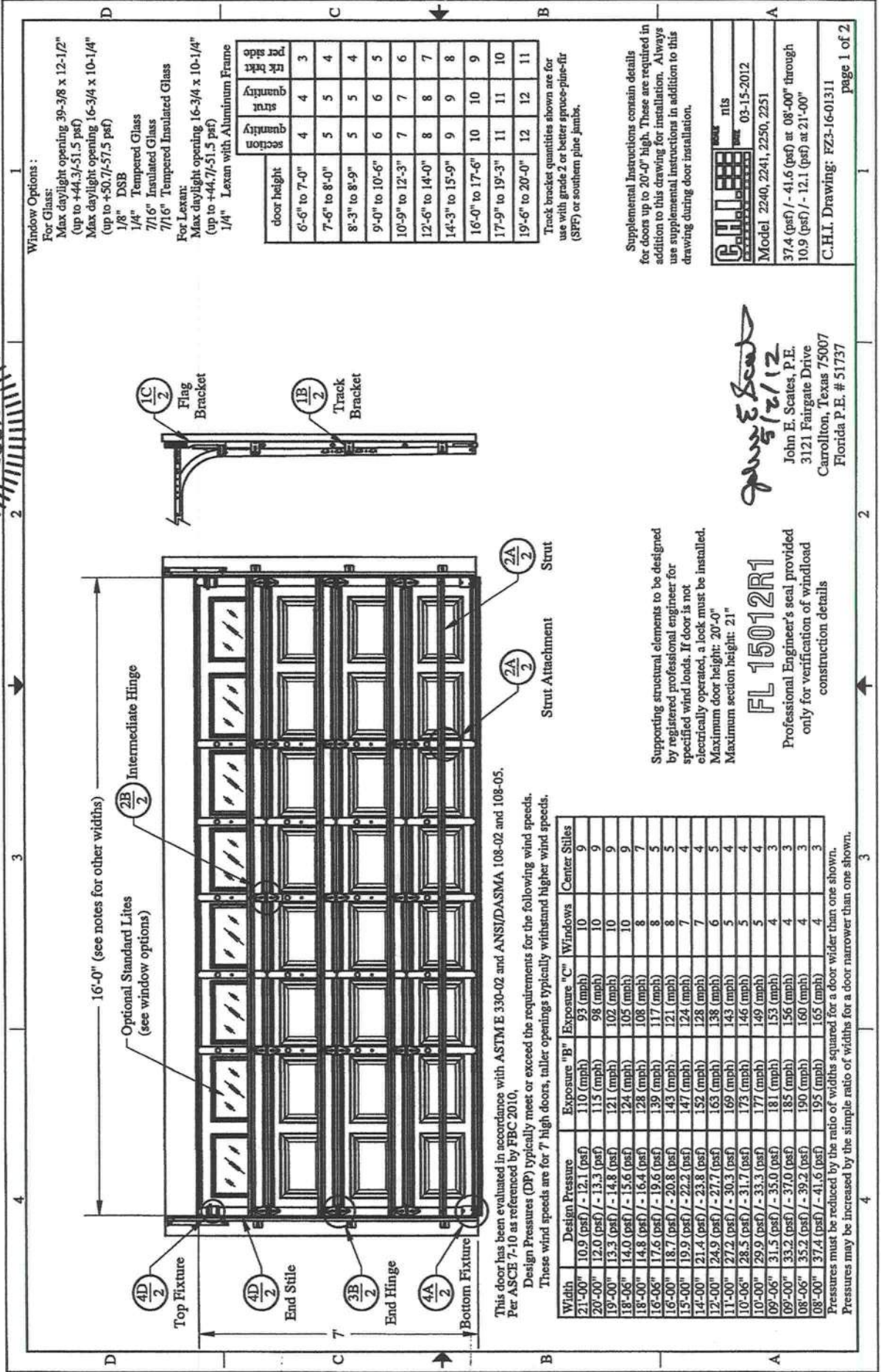
WOOD SCREW INSTALLATION NOTES:

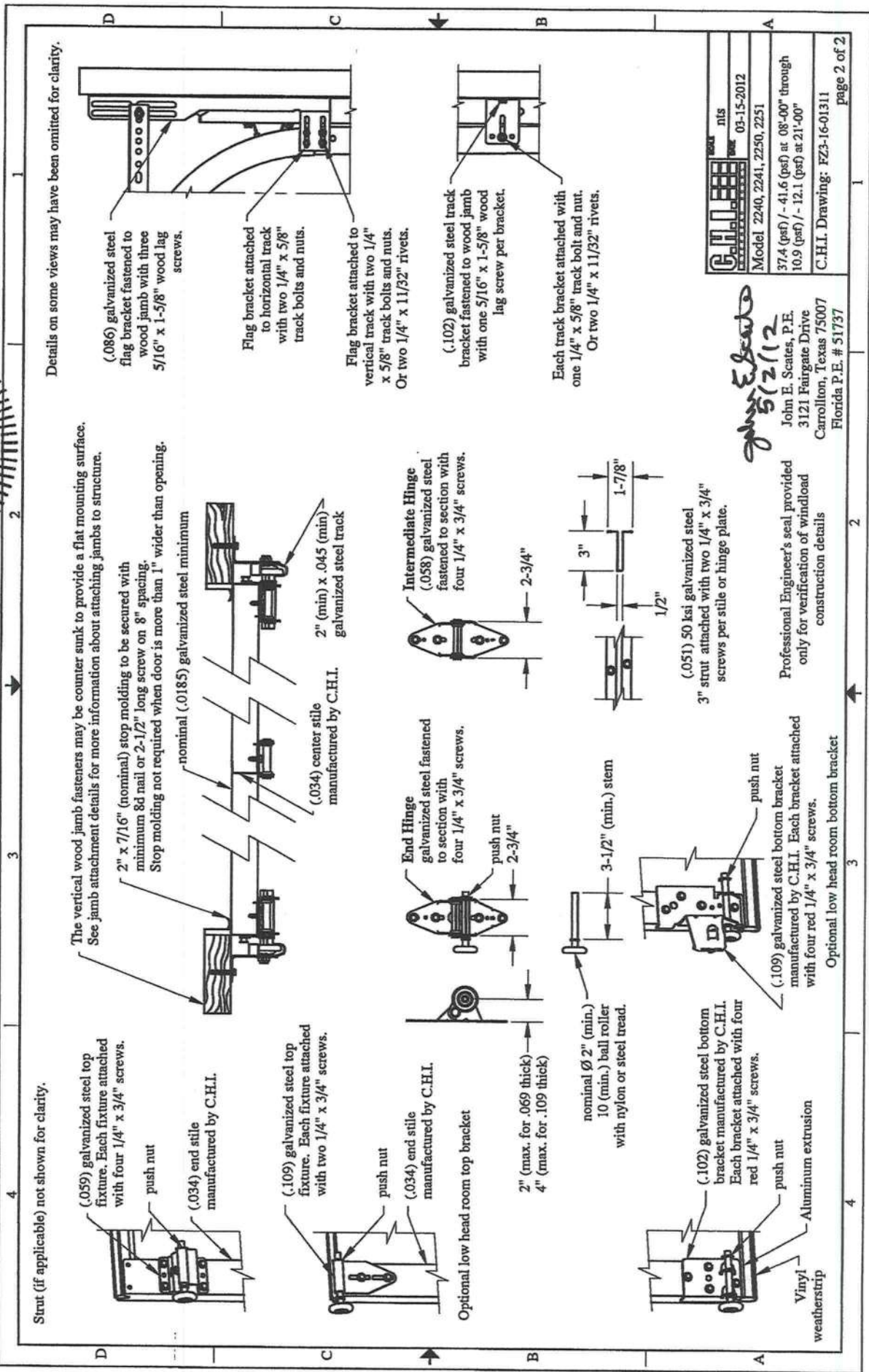
- WOOD SCREW INSTALLATION NOTES:**
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

LATCH AND DEADBOLT DETAIL

FL-16094.1

SHEET 5 OF 5

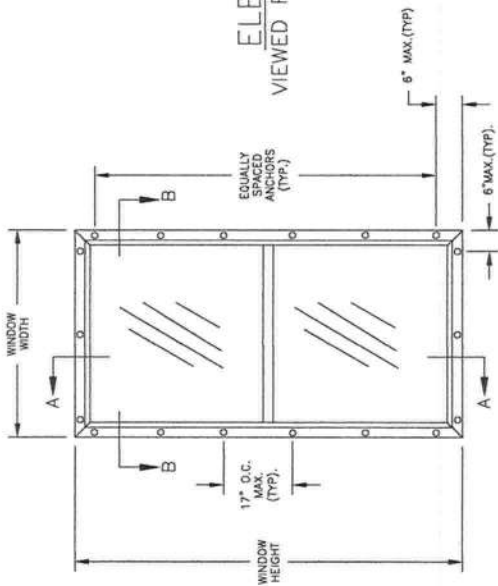




Model	2240, 2241, 2250, 2251
Weight	37.4 (psf) / - 41.6 (psf) at 08'-00" through 10.9 (psf) / - 12.1 (psf) at 21'-00"
Material	C.H.I. Drawing: FZ3-16-01311

John E. Scates
5/2/12
John E. Scates, P.E.
3121 Fairgate Drive
Carrollton, Texas 75007
Florida P.E. # 51737

Professional Engineer's seal provided only for verification of windload construction details



ELEVATION
VIEWED FROM EXTERIOR

Maximum design pressure capacity chart (psf)

Height (in)	Unit width (in)											
	17.50	19.50	23.50	27.50	29.50	31.75	35.00	39.50	41.50	43.50	47.50	53.13
27.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
35.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
43.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
47.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
51.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
55.50	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
59.75	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5
72.00	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5	Pos 35.0 Neg 52.5

Number of anchors required. Units anchored using 6d nails.

Height (in)	Unit width (in)											
	17.50	19.50	23.50	27.50	29.50	31.75	35.00	39.50	41.50	43.50	47.50	53.13
27.50	2	2	2	2	2	2	2	2	2	2	2	2
35.50	2	2	2	2	2	2	2	2	2	2	2	2
43.50	2	2	2	2	2	2	2	2	2	2	2	2
47.50	2	2	2	2	2	2	2	2	2	2	2	2
51.50	2	2	2	2	2	2	2	2	2	2	2	2
55.50	2	2	2	2	2	2	2	2	2	2	2	2
59.75	2	2	2	2	2	2	2	2	2	2	2	2
72.00	2	2	2	2	2	2	2	2	2	2	2	2

Number of anchors required. Units anchored with #8 wood screw.

Height (in)	Unit width (in)											
	17.50	19.50	23.50	27.50	29.50	31.75	35.00	39.50	41.50	43.50	47.50	53.13
27.50	2	2	2	2	2	2	2	2	2	2	2	2
35.50	2	2	2	2	2	2	2	2	2	2	2	2
43.50	2	2	2	2	2	2	2	2	2	2	2	2
47.50	2	2	2	2	2	2	2	2	2	2	2	2
51.50	2	2	2	2	2	2	2	2	2	2	2	2
55.50	2	2	2	2	2	2	2	2	2	2	2	2
59.75	2	2	2	2	2	2	2	2	2	2	2	2
72.00	2	2	2	2	2	2	2	2	2	2	2	2

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 FBC	8/13/08	R.L.
B	ADDED ANCHOR CHARTS	01/25/12	R.L.
C	REVISED NAME	10/15/13	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) OPENING IS TO BE DESIGNED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW.
- 4) WINDOW FRAME MATERIAL TO BE PVC.
- 5) ALL FASTENERS SHALL BE MADE OF CORROSION RESISTANT MATERIAL.
- 6) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 7) INSTALL UNITS IN SPRUCE PINE FIR OR BETTER USING 6d .120" DIAMETER NAIL OR #8 WOOD SCREWS LOCATE ANCHORS 6" FROM EACH CORNER AND 17" MAX O.C.THEREAFTER.
- 8) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 9) CAULK BEHIND WINDOW FLANGE AT HEAD, SILL AND JAMBS.
- 10) USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW.
- 11) WHERE WATER RESISTANCE TEST REQUIREMENT OF 15% OF DESIGN LOAD APPLIES. POSITIVE DESIGN PRESSURE IS LIMITED TO 35PSF DUE TO WATER TEST PRESSURE OF 5.25PSF ACHIEVED IN TEST.
- 12) IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER SIZE FOR THE APPROPRIATE DESIGN PRESSURE.
- 13) UNITS MUST BE GLAZED IN ACCORDANCE WITH ASTM E1300-04 AND MAY VARY DEPENDING UPON SIZE.

SIGNED: 10/18/2013



MI WINDOWS AND DOORS LLC

1001 W. CROSBY RD.
CARROLLTON, TX 75006

SERIES GA 7050 RECTANGULAR PVC SH

TILT WINDOW - 53 1/8 X 72

INSTALLATION DETAILS AND DESIGN PRESURE CHART

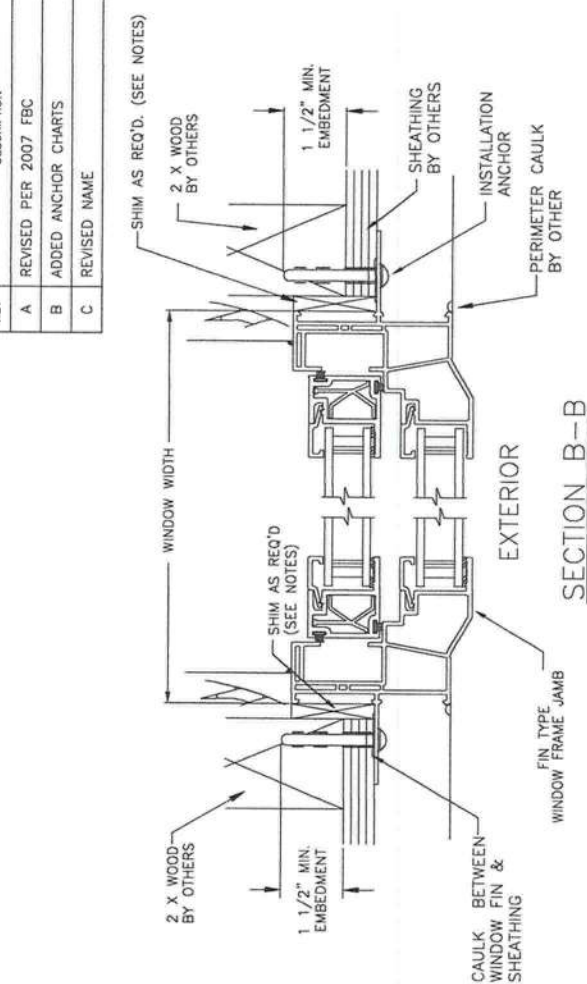
DRAWN: R.L. DWG NO. 08-00248

REV C

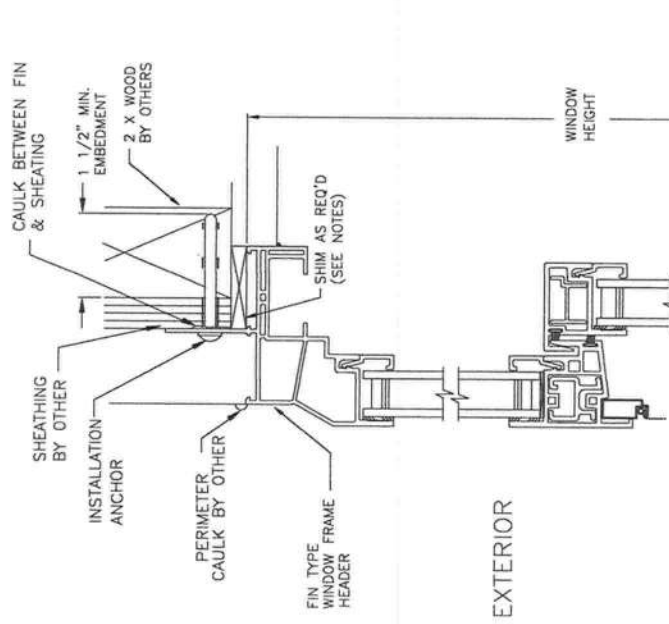
SCALE NTS DATE 9/09/07 SHEET 1 OF 2

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 FBC	8/13/08	R.L.
B	ADDED ANCHOR CHARTS	01/25/12	R.L.
C	REVISED NAME	10/15/13	R.L.



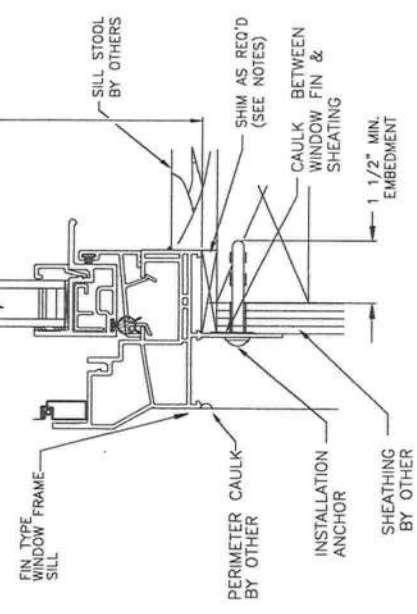
SECTION B-B



SECTION A-A

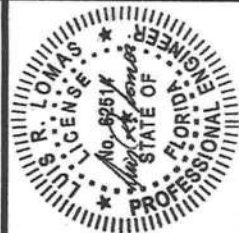
Vertical	
Window Vertical Call Size	Window Vertical I/F D
2-4	27 1/2
3-0	35 1/2
3-8	43 1/2
4-0	47 1/2
4-4	51 1/2
4-8	55 1/2
5-0	59 3/4
SPCL	72

Horizontal	
Window Horizontal Call Size	Window Horizontal I/F D
1-6	17 1/2
1-8	19 1/2
2-0	23 1/2
2-4	27 1/2
2-6	29 1/2
2-8	31 3/4
3-0	35 1/2
3-4	39 1/2
3-6	41 1/2
3-8	43 1/2
4-0	47 1/2
SPCL	53 1/8



MI WINDOWS AND DOORS LLC
1001 W. CROSBY RD.
CARROLLTON, TX 75006

SERIES GA 7050 RECTANGULAR PVC SH
TILT WINDOW - 53 1/8 X 72
INSTALLATION DETAILS AND DESIGN PRESURE CHART



SCALE	NTS	DATE	9/09/07	SHEET	2 OF 2
DRAWN:	R.L.	DWG NO.	08-00248	REV	C



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05/14

(Continued)

To insure adequate ventilation and circulation of air, the ventilation system must include inlets and outlets. This may be accomplished with a combination of ridge and soffit vents or by using gable end vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented. This may be reduced to one square foot of ventilation

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

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

2. VENTILATION

spaced and nailed.
be a 1 in. nominal minimum thickness. Boards shall be properly and-groove boards and not over 6 in. nominal width. Boards shall

SHEATHING BOARDS: Boards shall be well-seasoned tongue-recommendations of APA - The Engineered Wood Association.
APA - The Engineered Wood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the plywood. All plywood shall be exterior grade as defined by

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

PLYWOOD: All plywood shall be exterior grade as defined by APA - The Engineered Wood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of APA - The Engineered Wood Association.
resulting from improper application, or failure to properly prepare the surface to be roofed over.

1. ROOF DECK

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

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.
placement of fasteners on or above the paint line, will adversely affect coverage under TAMKO's applicable Limited Warranty. Avoid placing fasteners into the sealant strip.

IMPORTANT FASTENING INFORMATION: DO NOT PLACE FASTENERS ON OR ABOVE THE PAINT LINE ON THE SHINGLE. The paint line on the shingle is the upper-most edge of TAMKO's expanded Nail Zone. For complete details regarding TAMKO's expanded Nail Zone, see section 3 of these Application Instructions. Failure to follow fastening instructions, including but not limited to improper placement of fasteners on or above the paint line, will adversely affect coverage under TAMKO's applicable Limited Warranty. Avoid placing fasteners into the sealant strip.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

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

AFFECT COVERAGE UNDER THE LIMITED WARRANTY, SEE THE LIMITED WARRANTY FOR DETAILS.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL ADVERSELY AFFECT COVERAGE UNDER THE LIMITED WARRANTY, SEE THE LIMITED WARRANTY FOR DETAILS.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the Limited Warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable mph as stated in the Limited Warranty. See Limited Warranty on the wrapper or tamko.com for details.

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is required. To insure immediate sealing, apply 4 quarter-sized dabs of TAM-PRO® Premium SBS Adhesive or TAMKO Tam-Seal Adhesive on the back of the shingle 1 in. (25mm) and 13 in. (330mm) in from each side and 1 in. (25mm) up from the bottom of the shingle. Press shingle firmly into the adhesive. For maximum wind resistance along rakes, install any TAMKO starter shingle including sealant or cement shingles to the underlayment and each other in a 4 in. (102mm) width of TAM-PRO SBS Adhesive or TAMKO Tam-Seal Adhesive. Apply ONLY a thin uniform layer of adhesive less than 1/8 in. (3mm) thick. Excessive amounts can cause blistering of the shingles and may soften the asphalt in certain underlayments resulting in the asphalt flowing, dripping and staining. Shingles must also be fastened according to the fastening instructions described below.

3. FASTENERS

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

area per 300 square feet if at least 40% and not more than 50% of venting is provided not more than 3 feet below the ridge or if a Class I or II vapor barrier is installed on the warm in winter side of the ceiling in climate zones 6, 7, and 8 as recommended by the 2012 International Residential Code. For more information consult your design professional. If the ventilation openings are screened, the total area should be doubled.

HERITAGE® LAMINATED ASPHALT SHINGLES

Tuscaloosa, AL

(CONTINUED from page 1)



FASTENING PATTERNS:

1) NAIL ZONE: The Nail Zone for standard fastening is defined as the 1-3/4 in. area beginning at 6-1/8 in. from the bottom edge of the shingle and ending at the paint line located at 7-7/8 in. from the bottom edge of the shingle. **DO NOT PLACE FASTENERS ON OR ABOVE THE PAINT LINE ON THE SHINGLE.**

2) Standard Fastening Pattern Options.

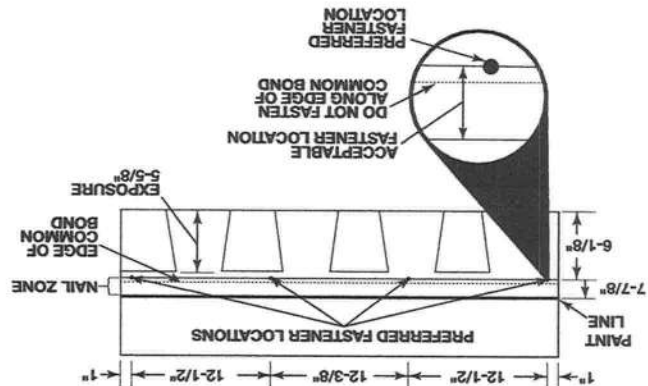
(For use on decks with slopes 2 in. per foot to 21 in. per foot.)

A. Preferred Fastener Location: Fasteners should be placed 6-1/8 in. from the bottom edge of the shingle, penetrating through the common bond, and located horizontally as shown in the Standard Fastening Pattern diagram.

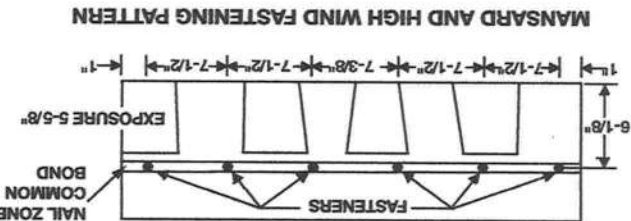
B. Acceptable Fastener Location: Fasteners must be placed in the 1-3/4 in. nailing area beginning at 6-1/8 in. from the bottom edge of the shingle and ending at the paint line located at 7-7/8 in. from the bottom edge of the shingle. Nails shall be located horizontally as shown in the Standard Fastening Pattern diagram.

CAUTION: Fasteners must not be driven into the edge of the common bond area. Avoid placing fasteners into the sealant strip.

STANDARD FASTENING PATTERN IN NAIL ZONE



3) Mansard Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. from each end and one fastener 8-1/2 in. from each end and one fastener 16 in. from each end for a total of 6 fasteners per shingle. (See Mansard and High Wind Fastening Pattern illustrated below.)



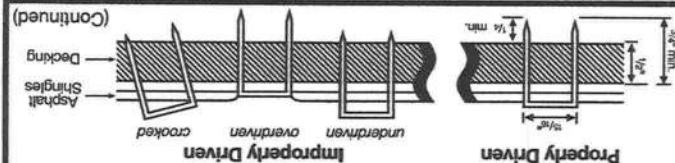
MANSARD AND HIGH WIND FASTENING PATTERN

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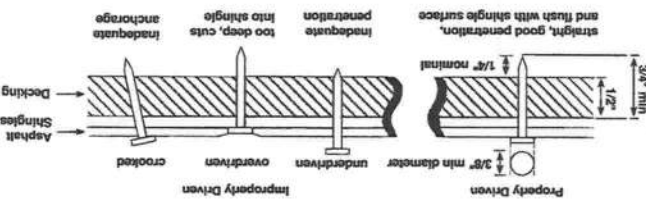
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improperly applied.

STAPLES: If staples are used in the attaching process, follow the above instructions for placement. All staples must be driven with pneumatic staples. The staple must meet the following minimum dimensional requirements. Staples must be made from a minimum 16 gauge galvanized wire. Crown width must be at least 15/16 in. (staple crown width is measured outside the legs). Leg length should be a minimum of 1-1/4 in. for new construction and 1-1/2 in. for reroofing thus allowing a minimum deck penetration of 3/4 in. The crown of the staple must be parallel to the length of the shingle. The staple crown should be driven flush with the shingle surface. Staples that are crooked, underdriven or overdriven are considered improperly applied.

Drive nail head flush with the shingle surface.
plywood decking and extend at least 1/8 in. through the roof deck. the nails should be long enough to penetrate completely through 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, head diameter of 3/8 in. Nails should be long enough to penetrate



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum

CAUTION: ALL FASTENERS FOR MANSARD AND HIGH WIND APPLICATIONS MUST BE DRIVEN INTO THE NAIL ZONE COMMON BOND (PREFERRED FASTENER LOCATIONS AS SHOWN IN THE MANSARD AND HIGH WIND FASTENING PATTERN DIAGRAM.

4) High Wind Fastening Pattern. (For High Wind Application requirements) One fastener 1 in. from each end and one fastener 8-1/2 in. from each end and one fastener 16 in. from each end for a total of six (6) fasteners per shingle. In addition to this shingle fastening pattern requirement for High Wind Application, TAMKO also requires the use of TAMKO starter shingles including sealant strip at eaves and rakes. Alternatively, along rakes, cement shingles to the underlayment and each other in a 4 in. (102 mm) width of TAM-PRO SBS Adhesive or TAMKO Tam-Seal Adhesive. Caution: Apply ONLY a thin uniform layer of adhesive less than 1/8 in. (3mm) thick. Excessive amounts can cause blistering of the shingles and may soften the asphalt in certain underlayments resulting in the asphalt flowing, dripping and staining. High Wind Application is offered for new construction or complete tear-off applications only. It is not offered for recover applications. If High Wind Application requirements are not followed, the High Wind Application Warranty MPH, as stated on Table I in the Limited Warranty, reverts to the Standard Application Wind Warranty MPH limit. (See Mansard and High Wind Fastening Pattern illustrated above.)

HERITAGE® LAMINATED ASPHALT SHINGLES

(CONTINUED from page 2)

Tuscaloosa, AL



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles which is not covered by TAMKO's Limited Warranty.

Products which are acceptable for use as underlayment are:

Asphalt Saturated Felt Underlayments:

- TAMKO SuperX 15™ or SuperX 30™ Underlayment
- TAMKO No. 15 Asphalt Saturated Organic Felt
- Any TAMKO non-perforated asphalt saturated organic felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or II or ASTM D4869

Specialty Underlayments:

- Tam-Shield® Synthetic Underlayment
- TAMKO Moisture Guard Plus®, TW Underlayment and TW Metal and Tile Underlayment® (additional ventilation may be required. Contact TAMKO's Technical Services Department for more information.)

- A self-adhesive underlayment designed for use with asphalt shingles which meets ASTM D1970.

For Asphalt Saturated Felt Underlayments:

Apply the felt when the deck is dry. On roof decks with slopes 4 in. per foot and greater apply the felt parallel to the eaves. Lap the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the felt may be adversely affected by moisture and weathering. Laying of the felt and the shingle application must be done together.

For All Other Specialty Underlayments:

On roof decks with slopes 4 in. per foot and greater apply the underlayment parallel to the eaves in accordance with underlayment written application instructions. The underlayment should not be left exposed for a longer period of time than is specified in the underlayment's written application instructions. The final roof covering must be installed before the structure is exposed to adverse weather conditions, such as wind driven rain, high wind, hail, ice storms, etc.

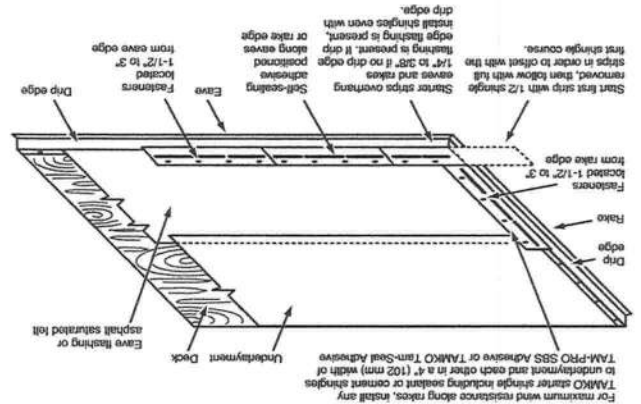
In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus®, TW Metal and Tile Underlayment or TW Underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information.

Substitute products as shingle underlayment should not be used.

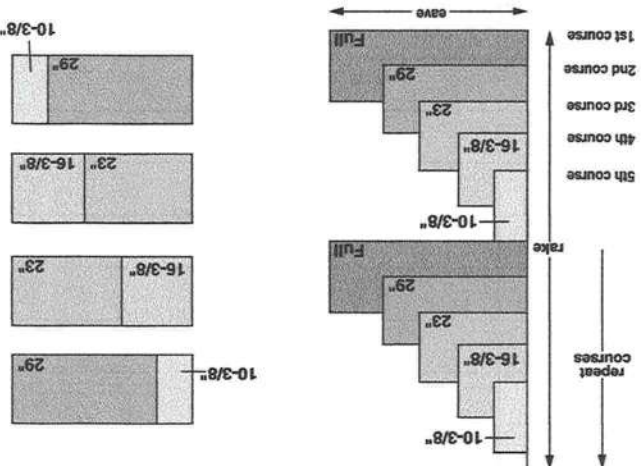
5. APPLICATION INSTRUCTIONS

STARTER COURSE: A starter course may consist of TAMKO Shingle Starter, TAMKO 10-inch Starter or self-sealing 3-tab shingles. If self-sealing 3-tab shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. Attach the starter course with approved fasteners along a line parallel to and 1.5 in. to 3 in. above the eaves and rake edges 1/4 in. to 3/8 in. if drip edge flashing is not used along the eaves or rakes. If drip edge flashing is present, install shingles even with the drip edge.

For maximum wind resistance along rakes, install any TAMKO starter shingle including sealant or cement shingles to underlayment and each other in a 4" (102 mm) width of overlap.



SHINGLE APPLICATION: Start the first course with a full size shingle and overhang the rake edge 1/4 in. if drip edge is not present. If drip edge is present, align shingle edge with drip edge flashing. Cut 10-3/8 in. from a full shingle to form a shingle 29 in. long. Use this to start the second course (see diagram below). Cut a 23 in. long shingle to start the third course. Use the remaining 16-3/8 in. piece of shingle to start the fourth course and use the remaining 10-3/8 in. piece to begin the fifth course. Continue up the rake in as many rows as necessary using the same formula as outlined above.



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9. VALLEY APPLICATION

Over the shingle underlayment, center a minimum 36 in. wide sheet of TAMKO Moisture Guard Plus®, TW Metal & Tile Underlayment, or a minimum 50 lb. roll roofing in the valley. Nail the underlayment only where necessary to hold it in place and then only nail the outside edges.

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

After valley flashing is in place:

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

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

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.

List-Group">

- Press the shingles tightly into the valley.

List-Group">

- Use normal shingle fastening methods.

List-Group">

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

List-Group">

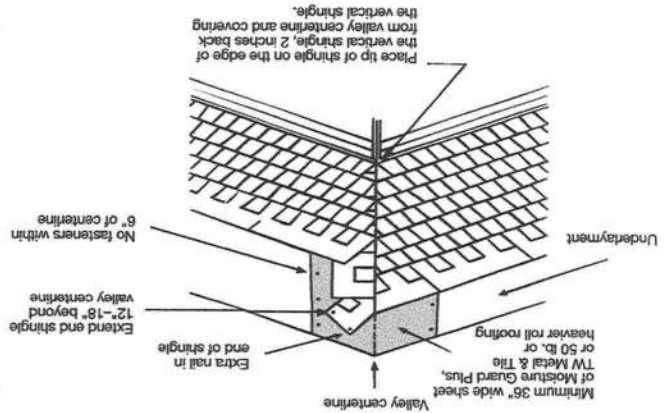
- To the adjoining roof plane, apply one row of shingles vertically facing the valley and 2 in. back from the valley centerline.

List-Group">

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

List-Group">

- To complete the valley, apply shingles on the adjoining roof plane by positioning the tip of the first shingle of each row at the 2 in. point from the centerline where the edge of the vertical shingle has been applied, covering the vertical shingle.



FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.

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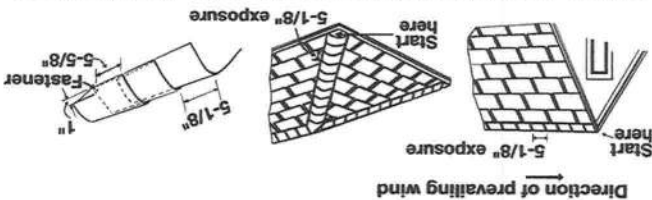
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10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5-1/8 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-5/8 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Elite Glass-Seal shingles cut down to 12 in. pieces. The length of the fastener should be long enough to penetrate through the roofing material and 3/4 in. into the wood decking or completely through approved plywood.

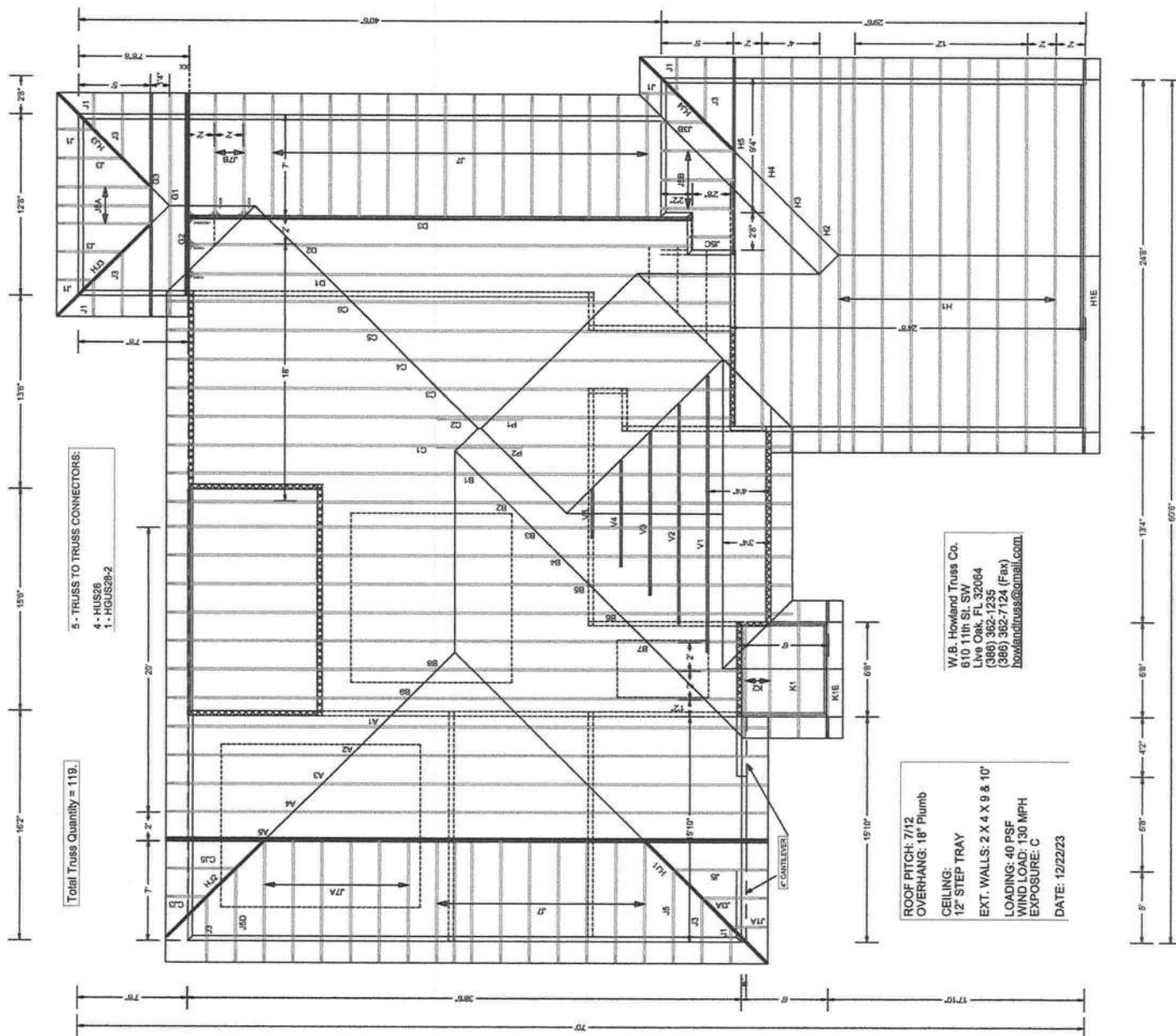
IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.



THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. FAILURE TO FOLLOW UNDER THE LIMITED WARRANTY, SEE THE LIMITED WARRANTY FOR DETAILS. IF YOU HAVE ANY QUESTIONS REGARDING THESE APPLICATION INSTRUCTIONS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.

Information included in these application instructions was current at time of printing. To obtain a copy of the most current version of these application instructions, visit us online at tamko.com or call us at 800-641-4691.

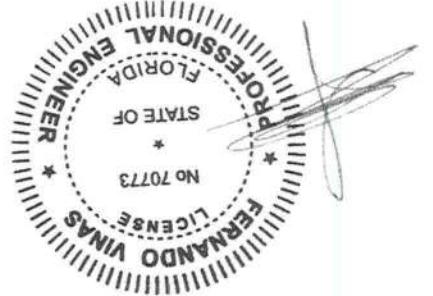
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This item has been digitally signed by Fernando Vinas on the date adjacent to the seal.
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be verified on any electronic copies.



12/28/2023
COA#0-278
Florida Certificate of Product Approval #FL1999



Site Information:	
Customer: W. B. Howland Company, Inc.	Job Number: 23-0306
Job Description: Lot 5 Rose Creek Plantation/McCormick	
Address: Lot 5 Rose Creek Plantation, LAKE CITY, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.01A
Wind Standard: ASCE 7-22	JRef #: 1XVZ2150001
Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

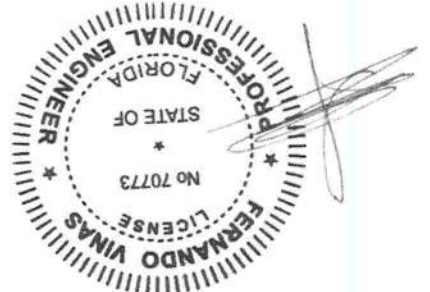
This package contains general notes pages, 61 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	362.23.0826.47293	A1
3	362.23.0826.56187	A3
5	362.23.0827.47953	A5
7	362.23.0827.50970	B2
9	361.23.1439.37948	B4
11	361.23.1439.38587	B6
13	362.23.0827.20177	B8
15	362.23.0827.24610	C1
17	362.23.0827.27493	C3
19	361.23.1439.38353	C5
21	361.23.1439.39024	CJ3
23	362.23.0827.05820	D1
25	362.23.0827.59550	D3
27	362.23.0828.03627	G2
29	361.23.1439.37743	H1
31	361.23.1439.38681	H2
33	361.23.1439.39212	H4
35	361.23.1439.38432	HJ1
37	361.23.1439.38165	HJ3
39	361.23.1439.38899	J1
41	361.23.1439.38635	J3
43	361.23.1439.38463	J3B
45	361.23.1439.37698	J5A
47	361.23.1439.39103	J5C
49	362.23.0827.39660	J7
Item	Drawing Number	Truss
2	362.23.0826.52240	A2
4	362.23.0826.58853	A4
6	362.23.0827.49507	B1
8	362.23.0827.16620	B3
10	361.23.1439.39197	B5
12	361.23.1439.38025	B7
14	362.23.0827.23023	B9
16	362.23.0827.26057	C2
18	362.23.0827.28990	C4
20	361.23.1439.37791	C6
22	361.23.1439.38791	CJ5
24	362.23.0827.07243	D2
26	361.23.1439.37634	G1
28	361.23.1439.37759	G3
30	362.23.0827.37433	H1E
32	361.23.1439.38259	H3
34	361.23.1439.38994	H5
36	361.23.1439.38604	HJ2
38	361.23.1439.37884	HJ4
40	361.23.1439.38150	J1A
42	361.23.1439.38837	J3A
44	361.23.1439.39198	J5
46	361.23.1439.39244	J5B
48	361.23.1439.38557	J5D
50	361.23.1439.37979	J7A



12/28/2023
 COA#0-278
 Florida Certificate of Product Approval #FL1999

This item has been digitally signed by Fernando Vinas on the date adjacent to the seal.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Site Information:	
Customer:	W. B. Howland Company, Inc.
Job Number:	23-0306
Page 2:	
Job Description: Lot 5 Rose Creek Plantation/McCormick	
Address: Lot 5 Rose Creek Plantation, LAKE CITY, FL 32024	

Item	Drawing Number	Truss
51	361.23.1439.38337	JTB
53	361.23.1439.38775	K1E
55	361.23.1439.37337	P1
57	361.23.1439.38120	V1
59	361.23.1439.39057	V3
61	361.23.1439.38993	V5
63	PB160220723	
65	VALTN220723	

Item	Drawing Number	Truss
52	361.23.1439.37931	K1
54	361.23.1439.38385	K2
56	361.23.1439.38197	P2
58	361.23.1439.38821	V2
60	361.23.1439.39321	V4
62	BRCLBSUB0119	
64	VAL180220723	

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCS1 chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCS1 chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed, and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCCL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FlamePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

lc = Incised lumber.

FJ = Finger Jointed Lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
RW = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCCL = Top Chord standard design Live Load in pounds per square foot.
TCDL = Top Chord standard design Dead Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total Load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total Load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

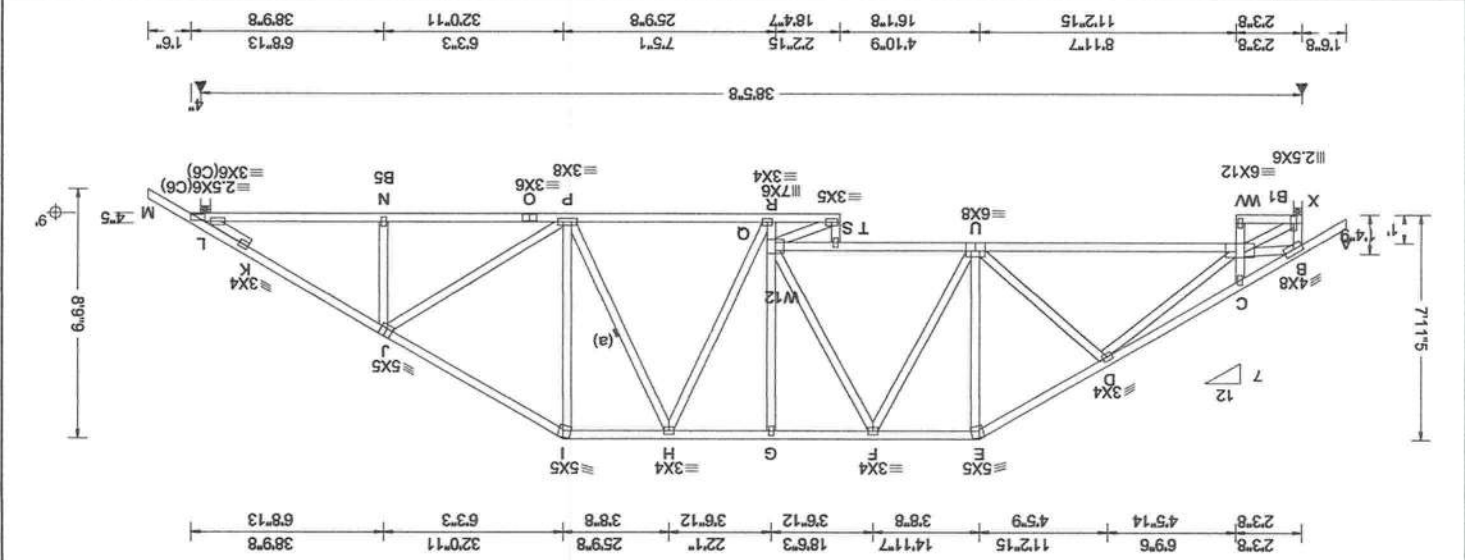
References:

1. AWC: American Wood Council; 222 Catoclin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcacomponents.com.



▲ Maximum Reactions (lbs)		Gravity		Non-Gravity	
Loc R+	-R/-	Rh	Rw	U	RL
U	1697	-/-	11002	59	1326
M	1737	-/-	11054	75	1326
Wind reactions based on MWFRS					
U Brg Wid = 3.5		Min Req = 2.0 (Truss)			
M Brg Wid = 4.0		Min Req = 1.7 (Truss)			
Bearings U & M 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.			

For more information see these web sites: Alpine: alpineitw.com; TPI: tpiinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. 1 in PSF)		Defl/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	Ce: NA	PP Deflection in Loc L/dell L/#	VERT(L): 1.019 T 450 240	Max Web CSI: 0.999	
BCDL: 10.00	Speed: 130 mph	Pt: NA	Cs: NA			HORZ(L): 0.210 K	Max BC CSI: 0.883	Max TC CSI: 0.759	
BCDL: 10.00	Enclosure: Closed	EXP: C	Kzt: NA			HORZ(TL): 0.432 K	Max BC CSI: 0.883	Max Web CSI: 0.999	
NCBCLL: 10.00	Risk Category: II	TCDD: 5.0 psf				Creep Factor: 2.0	Max TC CSI: 0.759		
Sofft: 2.00	BCDL: 5.0 psf	BCDL: 5.0 psf							
Load Duration: 1.25	MMWFRS Parallel Dist: h/2 to h	Loc. from endwall: not in 9.00 ft							
Spacing: 24.0 "	GCpt: 0.18	Wind Duration: 1.50							

Lumber		Bracing		Plating Notes		Wind		Additional Notes	
Top chord: 2x4 SP #2:		(a) Continuous lateral restraint equally spaced on		All plates are 2X4 except as noted.		Wind loads based on MMWFRS with additional C&C		The overall height of this truss excluding overhang is	
Bot chord: 2x4 SP #3: B1, B5 2x4 SP #2:		member.				Right cantilever is exposed to wind		Laterally brace top chord below filler and bottom	
Web: 2x4 SP #3: W12 2x4 SP M-31:						Left end vertical not exposed to wind pressure.		chord above filler at 24" o.c., including a lateral brace	
RI Slider: 2x4 SP #3; block length = 1.772						Wind loading based on both gable and hip roof types.		at chord ends (if no rigid diaphragm exists at that point)	

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 IPI and SBCA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have permanent lateral restraint (CLR) installed with diagonal bracing per BCSI. Locations shown for permanent lateral restraint (CLR) shall have a properly installed with diagonal bracing installed on the CLR 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. Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the listing in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page attesting 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 these web sites: Alpine: alpinetw.com; TPI: tpinet.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

ALPINE
AN ITW COMPANY

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No 70773
FERNANDO VINAS
LICENSE

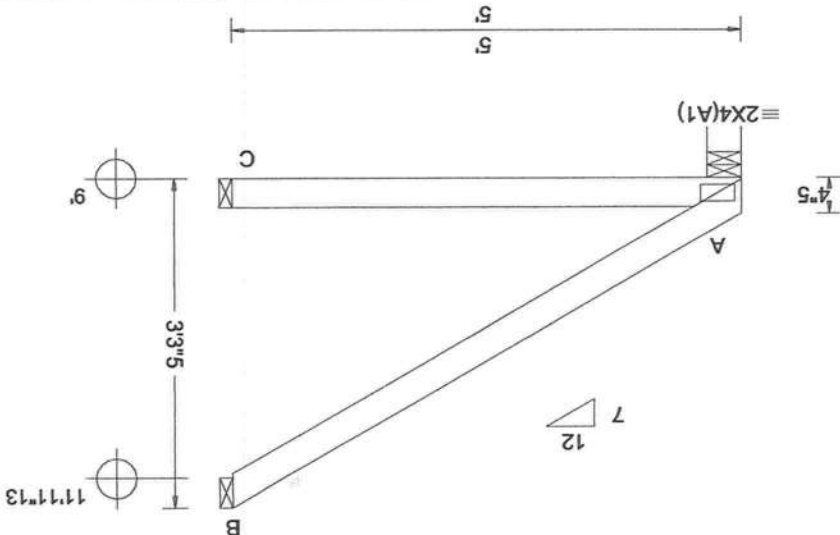
COA#0-278
12/28/2023
Florida Certificate of Product Approval #FL1999

B - X	299	-1630	T - R	177	-1718
B - V	2621	-372	H - P	106	-418
V - D	626	-235	P - I	676	-91
D - U	186	-411	P - J	156	-401
E - U	895	-137	K - L	493	-1777
T - S	505	-54			

V - U	2270	-300	Q - P	1954	-199
U - S	2104	-209	P - O	2104	-290
T - Q	1576	-162	O - N	2104	-290
S - R	2124	-212	N - L	2106	-289

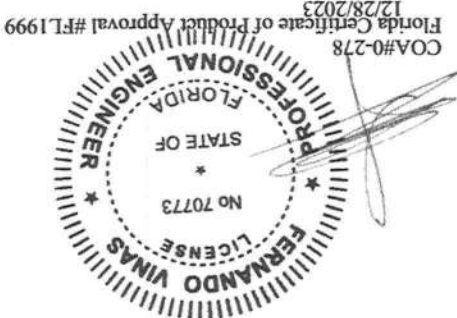
B - C	527	-3093	G - H	491	-2032
C - D	603	-3166	H - I	449	-1778
D - E	480	-2347	I - J	464	-2139
E - F	450	-1976	J - K	467	-2525
F - G	499	-2103	K - L	0	-876

Chords	Tens.Comp.	Chords	Tens.Comp.
Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Chords	Tens.Comp.	Chords	Tens.Comp.
Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Members not listed have forces less than 375#		Members not listed have forces less than 375#	
Beams X & L are a rigid surface.		Beams X & L are a rigid surface.	
L Brg Wid = 4.0 Min Req = 1.7 (Truss)		L Brg Wid = 4.0 Min Req = 1.7 (Truss)	
X Brg Wid = 3.5 Min Req = 2.0 (Truss)		X Brg Wid = 3.5 Min Req = 2.0 (Truss)	
Wind reactions based on MMWFRS		Wind reactions based on MMWFRS	
Loc R+ / R- / Rh / Rw / U / RL		Loc R+ / R- / Rh / Rw / U / RL	
Gravity		Gravity	
Non-Gravity		Non-Gravity	

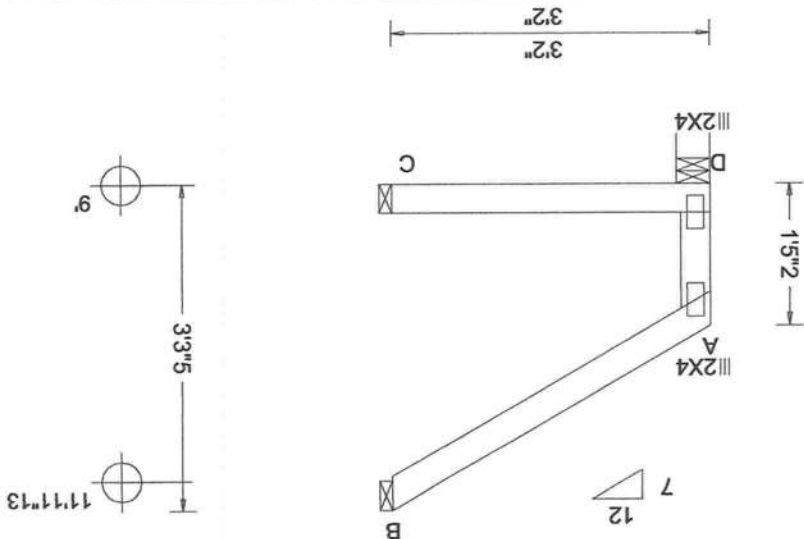


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Std: ASCE 7-22	Wind Duration: 1.60	Pg: NA	Ct: NA	PP Deflection in loc L/defl L/#	VIEW Ver: 23.02.01A.1204.18	A 214	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 10.00	Speed: 130 mph	Enclosure: Closed	EXP: C Kzt NA	Pt: NA	Ce: NA	VERT(L): NA		C 94	Gravity
BCDL: 10.00	Risk Category: II	Mean Height: 15.00 ft	TCDL: 5.0 psf	Snow Duration: NA		VERT(CL): NA		B 140	Non-Gravity
NCBCLL: 10.00	BCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2	BCDL: 5.0 psf	Building Code: FBC 8th Ed. 2023 Res.		HORZ(L): 0.006 A		A 214	Loc R+ / R- / Rh / Rw / U / RL
Sofft: 2.00	Load Duration: 1.25	C&C Dist a: 3.00 ft	Loc. from endwall: not in 4.50 ft	TP1 Std: 2014		HORZ(TL): 0.012 A		C 94	Gravity
Spacing: 24.0"		GCP: 0.18		Rep Fac: Yes		Creep Factor: 2.0		B 140	Non-Gravity
				Plate Type(s): FT/RT: 20(0)/10(0)		Max TC CSI: 0.371		A 214	Loc R+ / R- / Rh / Rw / U / RL
						Max BC CSI: 0.256		C 94	Gravity
						Max Web CSI: 0.000		B 140	Non-Gravity

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 3'-3-5/8".

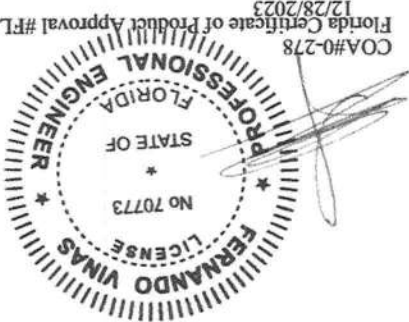


IMPORTANT READ AND FOLLOW ALL NOTES ON THIS DRAWING**
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in labeling, handling, shipping, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI section B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details. Notes for additional information.
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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading Criteria (psf)		Wind Criteria		Deff/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Duration: 1.60	Wind Criteria	PP Deflection in loc L/def L/#	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity / Rw / U / RL
TCDL: 10.00	Speed: 130 mph	Enclosure: Closed		VERT(L): 0.000 A 999 360		Gravity	
BCLL: 0.00	EXP: C Kzt: NA	Risk Category: II	Wind Criteria	VERT(CL): 0.000 A 999 240	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
BCDL: 10.00	EXP: C Kzt: NA	Mean Height: 15.00 ft		HORZ(L): -0.000 A -		Gravity	
NCBCLL: 10.00	TCDL: 5.0 psf	BCDL: 5.0 psf	Wind Criteria	HORZ(TL): 0.000 A -	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
Sofft: 2.00	MWFRS Parallel Dist: h/2 to h	C&C Dist a: 3.00 ft		Max Web CSI: 0.034		Gravity	
Load Duration: 1.25	Loc. from endwall: not in 9.00 ft	GCP: 0.18	Wind Criteria	Max BC CSI: 0.110	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
Spacing: 24.0 "	Plate Type(s):	Wind Duration: 1.60		Max TC CSI: 0.178		Gravity	
	FT/RT: 20(0)/10(0)	Rep Fac: Yes	Wind Criteria	Creep Factor: 2.0	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
	TP1 Std: 2014	Building Code:		Max Web CSI: 0.034		Gravity	
	FBC 8th Ed. 2023 Res.	Wave	Wind Criteria	Max BC CSI: 0.110	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
	Rep Fac: Yes	Plate Type(s):		Max TC CSI: 0.178		Gravity	
	VIEW Ver: 23.02.01A.1204.18		Wind Criteria	Max Web CSI: 0.034	Deff/CSI Criteria	Loc R+ / R- / Rh	Non-Gravity
				Max BC CSI: 0.110		Gravity	

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 3-3.5.



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*****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 and bracing. No 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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. Refer to job's General Notes page for additional information.

A division of Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

Trussing 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 these web sites: [Alpine: alpinetw.com](http://alpine.alpinetw.com), [TPI: tpinst.org](http://tpi.tpinst.org), [SBCA: sbcacomponents.com](http://SBCA.sbcacomponents.com), [ICC: iccsafe.org](http://ICC.iccsafe.org), [AWC: awc.org](http://AWC.awc.org)

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Additional Notes

Wind loads based on MWFRS with additional C&C member design.

Wind

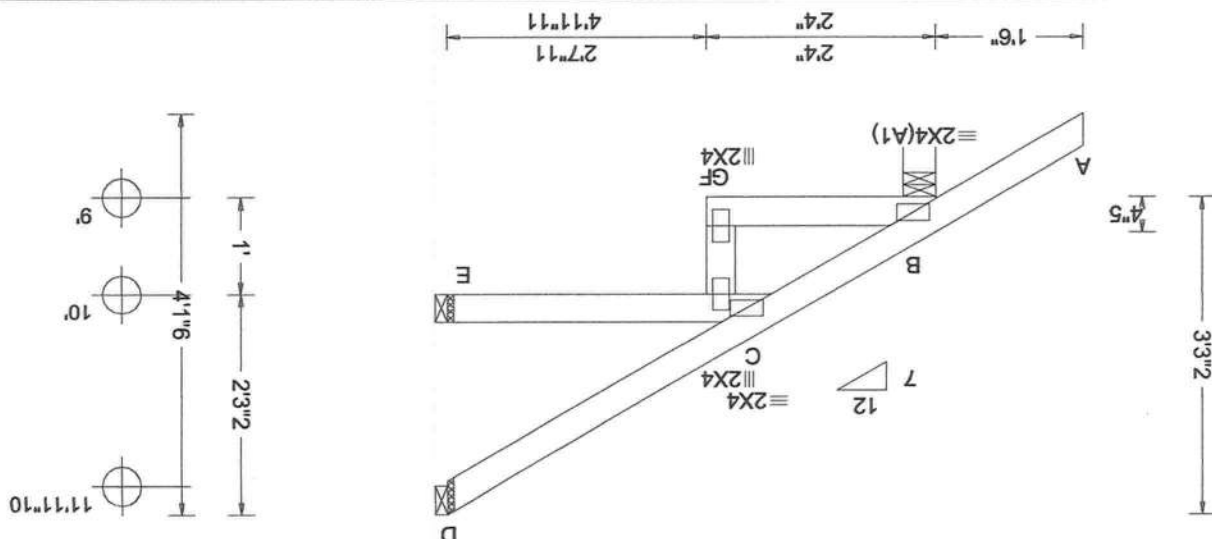
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Lumber

Loading Criteria (psf)									
TCLL	20.00	Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF)	Pf: NA	Ct: NA	Cat: NA	PP Deflection in Loc L/dell L/#	VERT(LL): 0.041 F	999 360
BCDL	10.00	Speed: 130 mph	Pf: NA	Lu: NA	Cs: NA		VERT(UL): 0.081 F	711 240	
BCDL	0.00	Enclosure: Closed	Risk Category: II	Snow Duration: NA			HORZ(TL): 0.024 G	-	-
EXP: C	Kzt: NA						HORZ(UL): 0.048 G	-	-
Des Ld:	40.00	Mean Height: 15.00 ft	TCDL: 5.0 psf				Creep Factor: 2.0		
NCBCLL	10.00	BCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2				Max TC CSI: 0.356		
SoftL	2.00	C&C Dist a: 3.00 ft	Loc. from endwall: not in 4.50 ft				Max BC CSI: 0.176		
Load Duration: 1.25		GCpf: 0.18	Wind Duration: 1.60	WAVE			Max WB CSI: 0.110		
Spacing: 24.0 "				VIEW Ver: 23.02.01A-1204.18					

Defl/CSI Criteria									
PP Deflection in Loc L/dell L/#									
VERT(LL): 0.041 F 999 360									
VERT(UL): 0.081 F 711 240									
HORZ(TL): 0.024 G - -									
HORZ(UL): 0.048 G - -									
Creep Factor: 2.0									
Max TC CSI: 0.356									
Max BC CSI: 0.176									
Max WB CSI: 0.110									
VIEW Ver: 23.02.01A-1204.18									

Maximum Reactions (lbs)									
Loc R+ / R- / Rh / Rw / U / RL									
Non-Gravity									
B	334	-	/	232	/	34	/	127	
E	76	-	/	144	-	/	-	-	
D	132	-	/	88	-	/	-	-	
Wind reactions based on MWFRS									
B	Brg Wid = 4.0	Min Req = 1.5	(Truss)						
E	Brg Wid = 1.5	Min Req = -							
D	Brg Wid = 1.5	Min Req = -							
Bearing B is a rigid surface.									
Members not listed have forces less than 375#									



Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

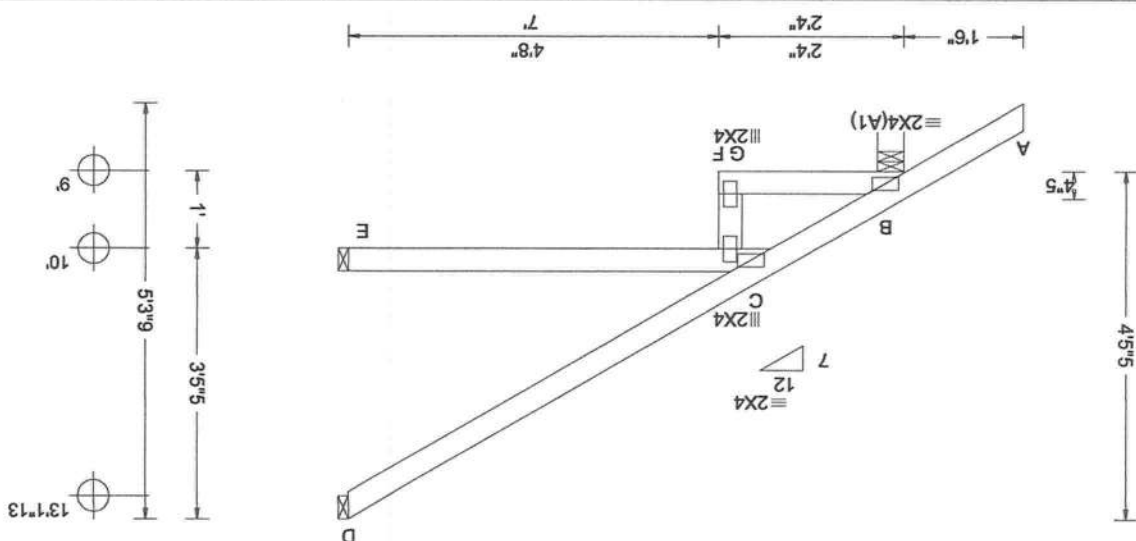
Additional Notes
The overall height of this truss excluding overhang is 4'-5-5/8".

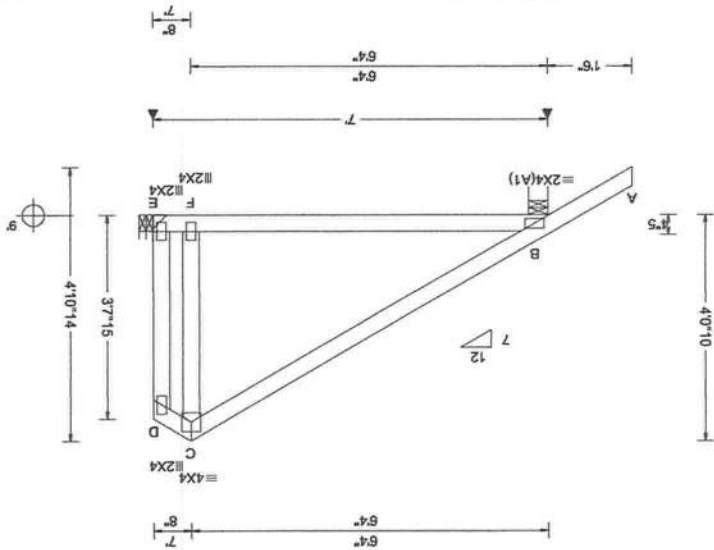
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 4'-5-5."

[illegible]



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pr in PSF)		Defl/CSI Criteria		Wind	
TCLL	20.00	Wind Std: ASCE 7-22	Pg: NA Ct NA CAT: NA	Pf: NA Cs: NA	Lu: NA Cs: NA	PP Deflection in loc L/dell L/#	VERT(L): 0.031 C 999 360	VIEW Ver: 23.02.01A.1204.18	WAVE
TCDL	10.00	Speed: 130 mph	Enclosure: Closed	EXP: C Kzt: NA	Risk Category: II		HORZ(L): 0.040 D - - -		Plate Type(s):
BCDL	0.00						VERT(TL): 0.081 D - - -		FT/RT: 20(0)/10(0)
NCBCLL	10.00	Mean Height: 15.00 ft					Creep Factor: 2.0		Rep Fac: Yes
Softt:	2.00	BCDL: 5.0 psf					Max TC CSI: 0.556		TPI Std: 2014
Load Duration: 1.25		MWFRS Parallel Dist: h/2 to h					Max BC CSI: 0.433		FBC 8th Ed. 2023 Res.
Spacing: 24.0 "		C&C Dist a: 3.00 ft					Max Web CSI: 0.223		Building Code:
		Loc. from endwall: not in 9.00 ft							
		GCpt: 0.18							
		Wind Duration: 1.60							

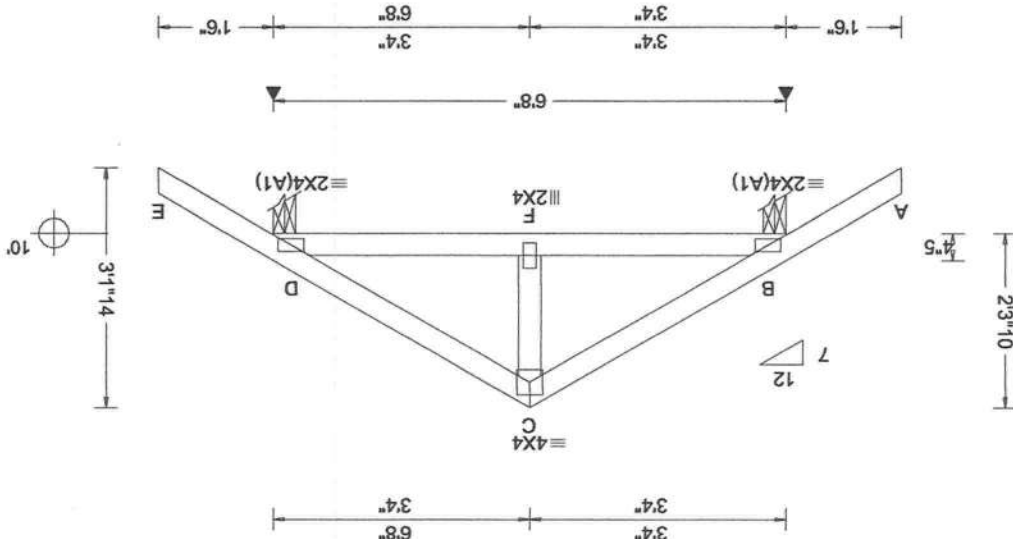
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Hangers / Ties
Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.
Recommended hanger 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.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=6'9" uses the following support conditions: 6'9" HUS26
Bearing E (6'9", 9') HUS26
Supporting Member: (2)2x6 SP 2400F-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.
The overall height of this truss excluding overhang is 4'-0"-10".

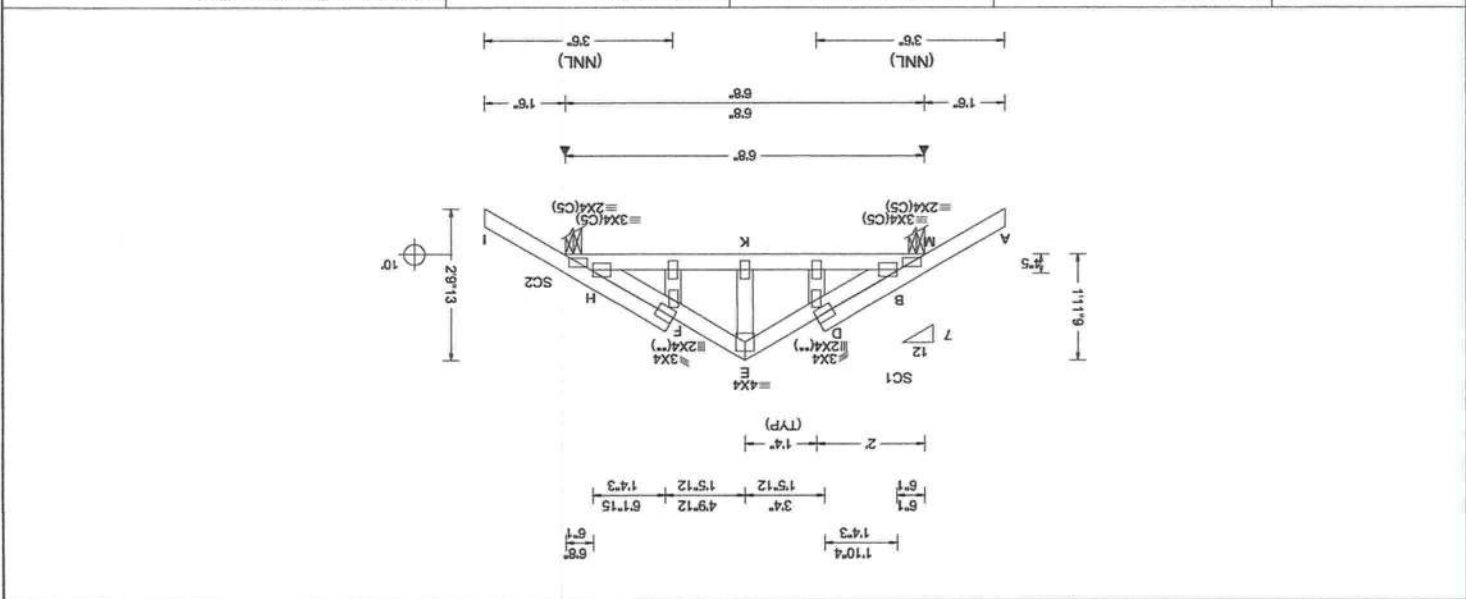
Additional Notes
The overall height of this truss excluding overhang is 4'-0"-10".

WARNING 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 SBGA 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 diagonal bracing installed on the CLR 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.
Notes page for additional information.
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 these web sites: Alpine: alpinetw.com; TPI: tpinst.org; SBGA: sbgacomponents.com; ICC: iccsafe.org; AWC: awc.org

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "FLORIDA" at the bottom, separated by two stars. The inner circle contains the text "STATE OF" at the top, "No 70773" in the center, and "FERNANDO VINAS" at the bottom, also separated by two stars. The word "LICENSE" is written in a smaller font at the very bottom of the inner circle. The seal is surrounded by a decorative border of small, radiating lines.

Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pt in PSF)		Defl/Cri Criteria		Gravim Reactions (lbs)		Non-Gravity				
TCCLL	20.00	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection in Loc L/dell L/#	VERT(LL): 0.003 F	999	360	Loc R+ / R-	Rh / Rw / U / RL			
TCCLL	10.00	Speed: 130 mph	Pf: NA	Cs: NA		VERT(CL): 0.005 F	999	240	B	379	- / -	1255	170	94
Des Ld:	40.00	Risk Category: II	EXP: C	Kzt: NA		HORZ(TL): 0.001 D	-	-	D	379	- / -	1255	170	-
NCBCLL	10.00	Mean Height 15.00 ft	TCCL: 5.0 psf			Creep Factor: 2.0			B	Brg Wid = 3.5	Min Req = 1.5 (Truss)			
Softfi:	2.00	BCDL: 5.0 psf	MWFRS Parallel Dist 0 to h/2			Max TC CSI: 0.164			D	Brg Wid = 3.5	Min Req = 1.5 (Truss)			
Spacing: 24.0 "	1.25	C&C Dist a: 3.00 ft	Loc. from endwall: Any			Max BC CSI: 0.092			Members not listed have forces less than 375#					
		GCpt: 0.18	Wind Duration: 1.60			Max Web CSI: 0.048								
		Plate Type(s):	WAVE			VIEW Ver: 23.02.01A-1204.18								





Loading Criteria (psf)		Wind Criteria		Snow Criteria (pg. 91 in PSF)		Def/CSI Criteria		VIEW Ver. 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Speed: 130 mph	Enclosure: Closed	Pg: NA	Ct: NA	PF: NA	Ce: NA	Max Web CSI: 0.045	Max BC CSI: 0.099
BCLL: 0.00	Risk Category: II	EXP: C	Kzt: NA	Lu: NA	Cs: NA	HORZ(TL): 0.001 D	-	Max TC CSI: 0.291	Max BC CSI: 0.099
BCDL: 10.00	Mean Height: 15.00 ft	TCDL: 5.0 psf	BCDL: 5.0 psf	Building Code: FBC 8th Ed. 2023 Res.	TP1 Std: 2014	Rep Fac: No	FT/RT: 20(0)/10(0)	Creep Factor: 2.0	Creep Factor: 2.0
NCBCLL: 10.00	Soft: 2.00	Load Duration: 1.25	Spacing: 24.0"	Wave	Plate Type(s):	VIEW Ver. 23.02.01A.1204.18			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Wbs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Florida Professional Engineer

STATE OF FLORIDA
No 70773
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12/28/2023
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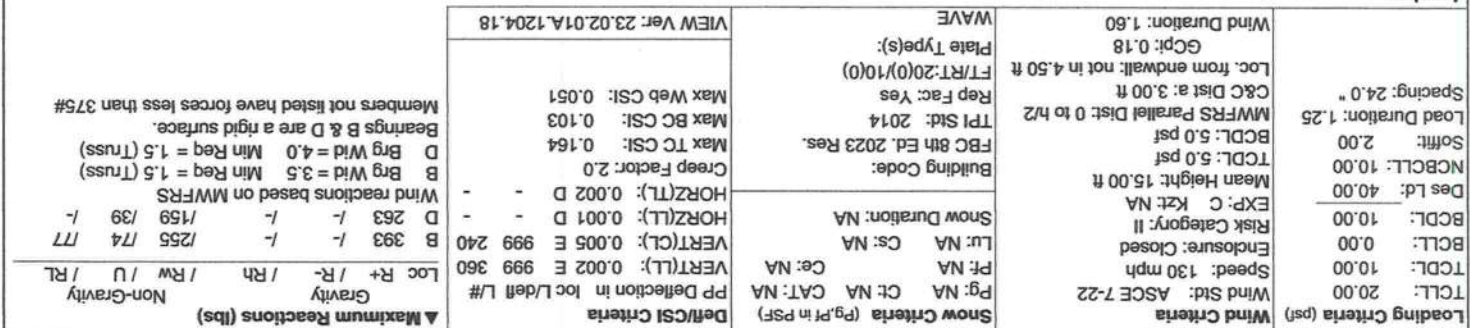
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and SBCEA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 (CLR) installed with diagonal bracing installed on the CLR 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. Refer to jobs General Notes page for additional information.

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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org

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FLORIDA

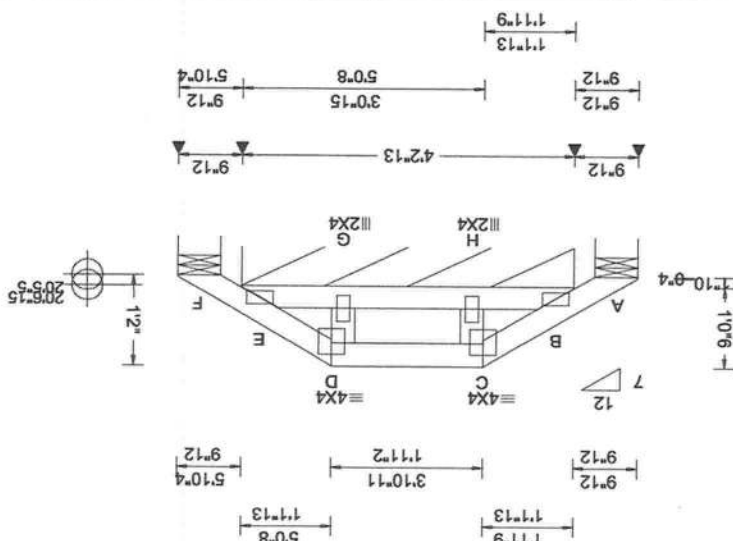
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Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
Refer to DWG PB160220723 for piggyback details.
The overall height of this truss excluding overhang is 1'-2-0.

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading Criteria (psf)					
TCLL	20.00				
TCDL	10.00				
BCLL	0.00				
BCLL	10.00				
Des Ld:	40.00				
NCBCLL	10.00				
Softlt:	2.00				
Load Duration:	1.25				
Spacing: 24.0 "					
Wind Criteria					
Wind Std:	ASCE 7-22				
Speed:	130 mph				
Enclosure:	Closed				
Risk Category:	II				
EXP: C	Kzt NA				
Mean Height	15.55 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				
GCPt:	0.18				
Wind Duration:	1.60				
Snow Criteria (pg,Pr in PSF)					
Pg: NA	Ct: NA	CAT: NA			
Pf: NA		Ce: NA			
Lr: NA	Cs: NA				
Snow Duration:	NA				
Defl/Csl Criteria					
VP Deflection in loc L/dell	L/#				
VERT(LL):	0.000 B	999	360		
VER(T)CL):	0.000 B	999	240		
HORZ(LL):	0.000 B	-	-		
HORZ(TL):	0.000 B	-	-		
Creep Factor:	2.0				
Max TC CSI:	0.060				
Max BC CSI:	0.009				
Max Web CSI:	0.014				
VIEW Ver: 23.02.01A.1204.18					



Number Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	Plating Notes All plates are 2X4(A1) except as noted. (*) 2 plate(s) require special positioning for scaled plate plot details for special positioning requirements.	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.	Additional Notes Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 0'-11-2".
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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING
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 Truss requires extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TFI 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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. 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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org

12/28/2023
 COA#0-278
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 No 70773
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

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 AN ITW COMPANY
 155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025

Plating Notes
Webs: 2x4 SP #3; W/2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Top chord: 2x4 SP #2;

Loading
Truss designed to support 1-0-0 top chord outlookers
and cladding load not to exceed 7.00 PSF one face
and 24.0" span opposite face. Top chord must not be
cut or notched, unless specified otherwise.

Wind
Wind loads based on MWFRS with additional C&C
member design.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load

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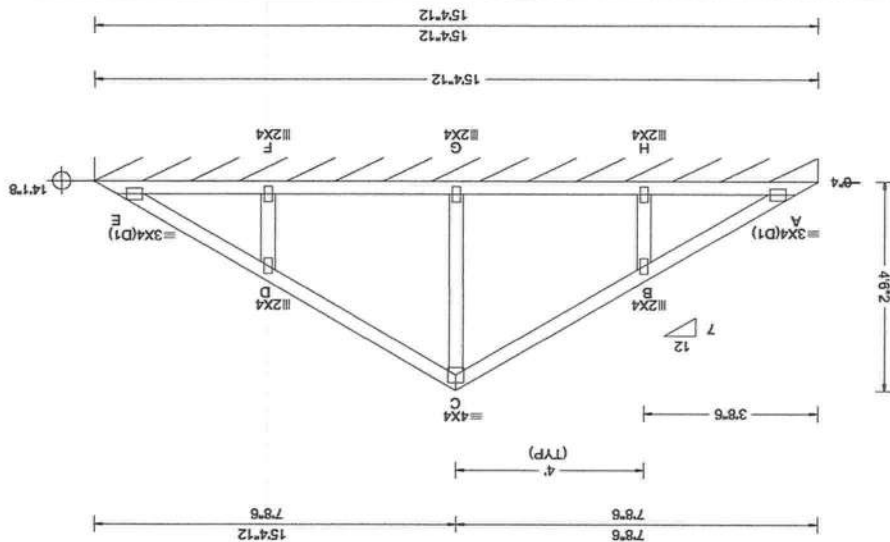
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSC (Building Component Safety Information, by TPI and SBCCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSC. 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 apply to all sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the joint Details. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

Indicating this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for more information see these web sites: Alpine: alpinetw.com; TPI: tpiinst.org; SBCCA: sbccacomponents.com; ICC: iccsafe.org; AWC: awc.org

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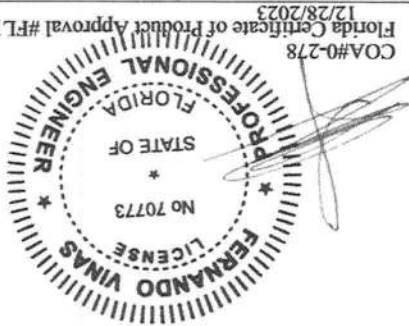
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf) TCDL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 SoftC: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.54 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRRS Parallel Dist 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpt: 0.18 Wind Duration: 1.50	Snow Criteria (Pg. 91 in PSF) Pg: NA Ct NA CAT: NA Pt: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in Loc L/def L/# VERT(LL): 0.003 A 999 360 VERT(TL): 0.007 A 999 240 HORZ(LL): -0.002 E - HORZ(TL): 0.003 E - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.129 Max Web CSI: 0.086 VIEW Ver: 23.02.01A.1204.18	A Maximum Reactions (lbs), or =PLF Loc R+ /R- /Rh /Rw /U /RL Gravity Non-Gravity E* 83 -/ -/43 /14 /7 Wind reactions based on MWFRRS E Brg Wid = 184 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 4'-6-2".



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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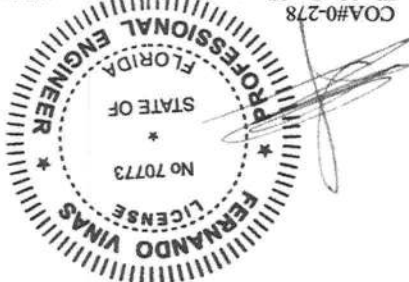
Turrets require extreme care in handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly diagonal bracing installed in the C.F. per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown on the drawings. Refer to drawings 160-A-2 for standard plate positions. Refer to job's General Notes for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the drawing in accordance with ANSIP/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page indicating 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 ANSIP/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpinethw.com; TPI: tpinet.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org.

Crosses require extreme care in labeling, carrying, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by IPI and SBCA (for safety practices prior to performing these functions. Installers shall provide temporary attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with splices above and on the joint Details. Refer to drawings, 160A-7, for standard plate positions. Refer to job's General Notes page for additional information. Details, per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above for additional information. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing, any failure to build the drawing for any structure, is the responsibility of the Building Designer per ANSI/P1-1, 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 for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/P1-1, Sec.2

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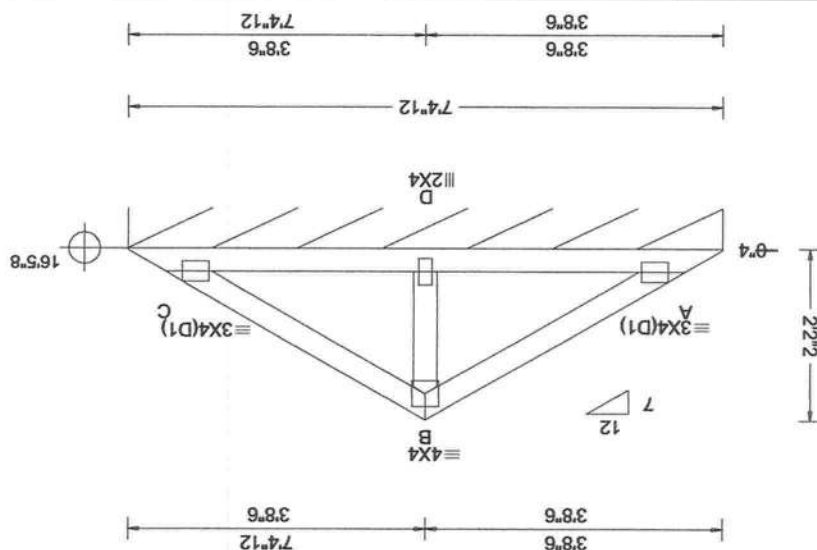
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

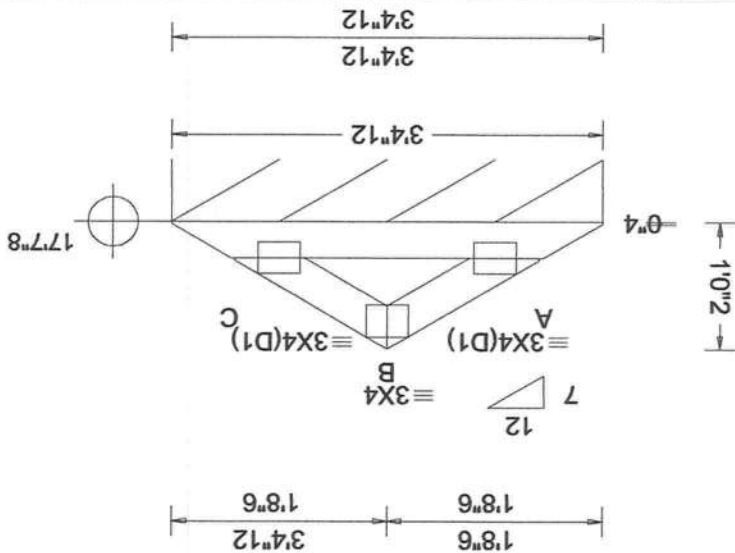
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Lumber

[illegible]

Maximum Reactions (lbs), or "PLF"	Gravity	Loc R+ / R-	Rh	Rw	U	RL
C* 83	-	-	-	/41	/10	/7
Wind reactions based on MWFRS						
C Brg Wid = 88.7 Min Req = -						
Gearing A is a rigid surface.						
Members not listed have forces less than 375#						



[illegible]

▲ Maximum Reactions (lbs), or "pPLF" Gravity Loc R+ / Rh Non-Gravity / R/L	C* 82	- / -	- / -	1/37	1/5	1/5
Wind reactions based on MWFRS						
C Brg Wind = 40.7' Min Req = -						
Bearing A is a rigid surface.						
Members not listed have forces less than 375#						

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

IMPORTANT! - PLEASE READ AND FOLLOW ALL NOTES ON THIS DRAWING

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 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 diagnosed bracing installed in accordance with the BCSI lateral restraint or, if not specified, webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed in accordance with BCSI sections B3.5f, 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-7 for standard plate positions. Refer to job's General Notes page for additional information.

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 ANSII/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 for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSII/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpinebwc.com, TPI: tpiinst.org, SBCA: sbccomponent.com, ICC: iccsafe.org, AWC: awc.org

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.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

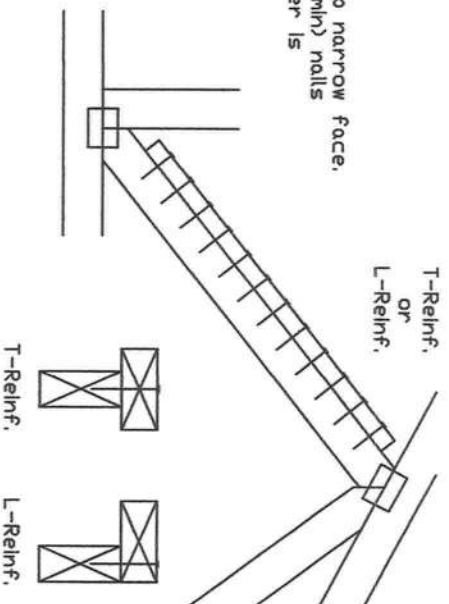
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

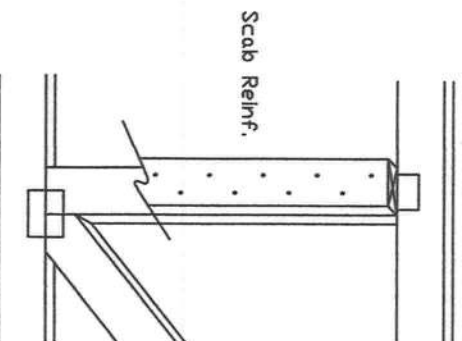
T-Reinforcement or L-Reinforcement:

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.



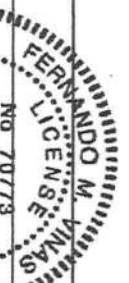
IMPORTANT: READ AND FOLLOW ALL NOTES IN THIS DRAWING. INSTALLERS MUST FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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. 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 of trusses and roof structures shall be as shown. Details, unless noted otherwise, shall be as shown. Refer to drawings 1604-2 for standard plate positions.

Alpine, a division of TTV 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 for the design shown. The authority 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 and these web sites: ALPINE: www.alpine.com TPI: www.tpi.org SBCA: www.sbcacomponents.com BCSI: www.bcsinfo.org



EC LL

TC DL

BC DL

SC LL

TOT. L.D.

PSF

PSF

PSF

REF CLR Subst.

DATE 01/02/19

DRWG BRCLBSUB0119

PSF

PSF

PSF

PSF

PSF

COA#0-278

SPACING

Florida Certificate of Approval #FL1999

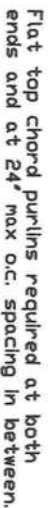


155 Hudson Ave
North Building, 4th Floor
Glenview, IL 60025

160 mph Wind, 30,000 ft Mean Hgt., ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL = 5.0 psf (γ_{min}), K_z=1.0.
Exp D, wind DL = 5.0 psf (γ_{min}), K_z=1.0.

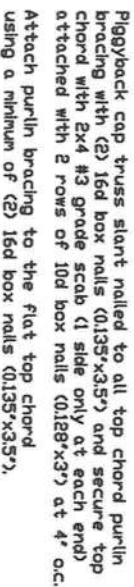
Refer to Engineer's sealed truss design drawing for piggback and base truss specifications.

Up to 12



Attach pulpin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

Detail B : Purlin Spacing > 24" o.c.



APA Rated Gusset

2x4 Vertical Scabs

28PB Wave Playback Plate

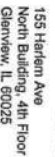
The 28P8 wave piggyback plate to each face of the 8" o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

DATE 07/03/2023

12/28/2023

SPACING

24.0'



AN ITW COMPANY

ALPINE: www.alpine.com; TPI: www.tpi.com; GORDON: www.gordon.com; ICD: www.icd.com



COA#0-278

Printed at the Government Printing Office, 1906

Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

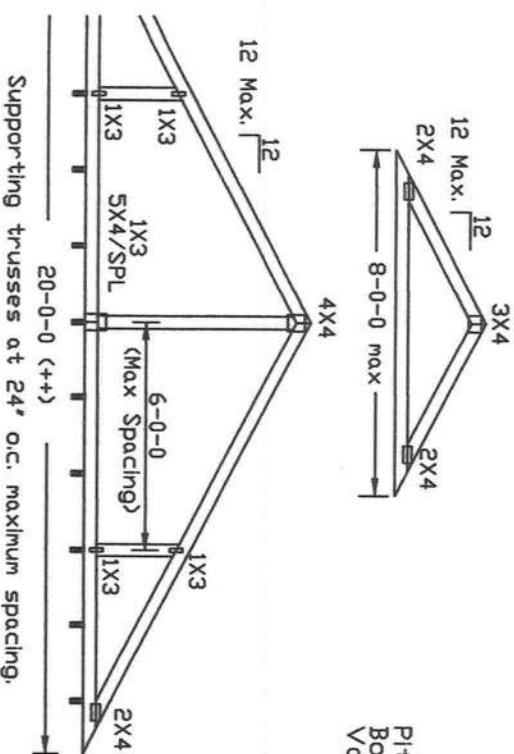
Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or
equivalent connector for
ASCE 7-22 180 mph, 30' Mean Height, Part. Enc.
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-22 160 mph, 30' Mean Height, Part. Enc.
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

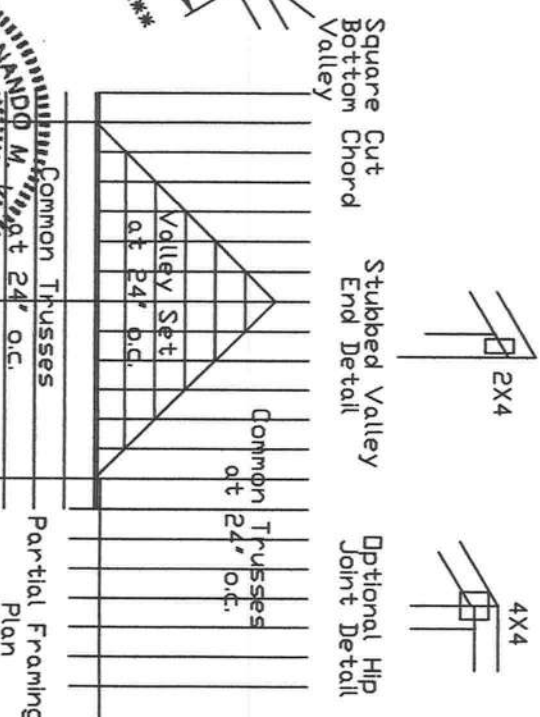
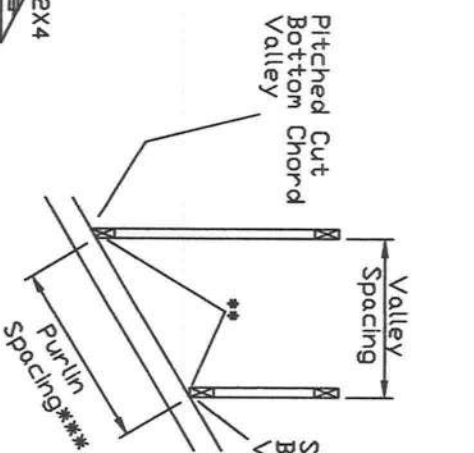


Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24' o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



Supporting trusses at 24' o.c. maximum spacing.

No 70773

STATE OF FLORIDA

PROFESSIONAL ENGINEER

FERNANDO M. VILLAS

at 24' o.c.

Common Trusses

Stubbed Valley End Detail

Optional Hip Joint Detail

Partial Framing Plan

DATE 07/03/2023

DRWG VAL180220723

SPACING 24.0"

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COA#0-278

SPACING 24.0"

Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
 Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
 Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
 (2) 16d box (0.135" x 3.5") nails toe-nailed for
 ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C,
 Wind TC DL=5 psf, Kzt=1.00, Max. Wind Speed based on
 supporting truss material at connection location:
 140 mph for SP (G = 0.55, min.),
 125 mph for DF-L (G = 0.50, min.), or
 105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

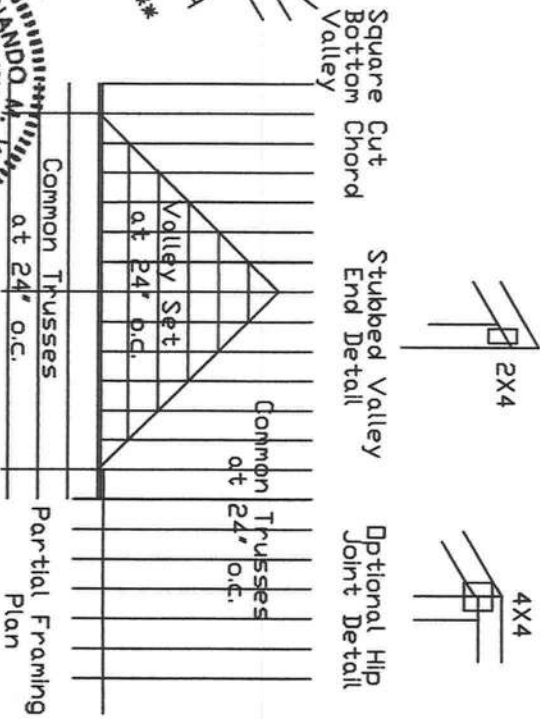
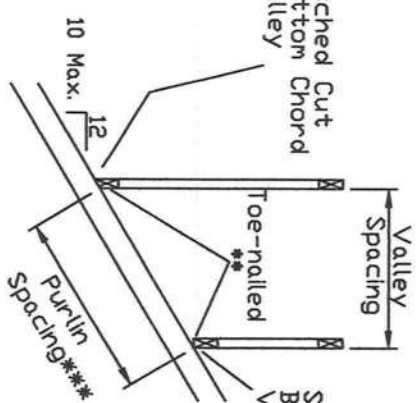
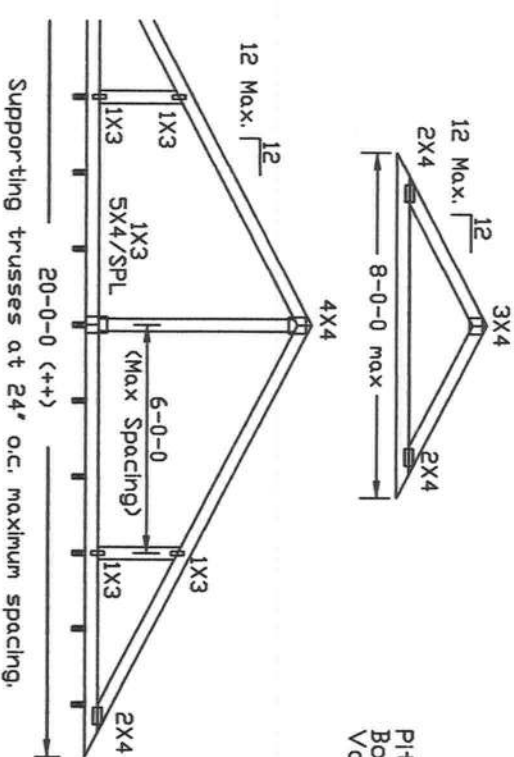
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.
 Or
 Purlins at 24' o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

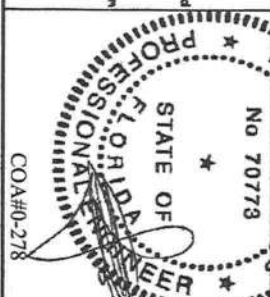
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
 ++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



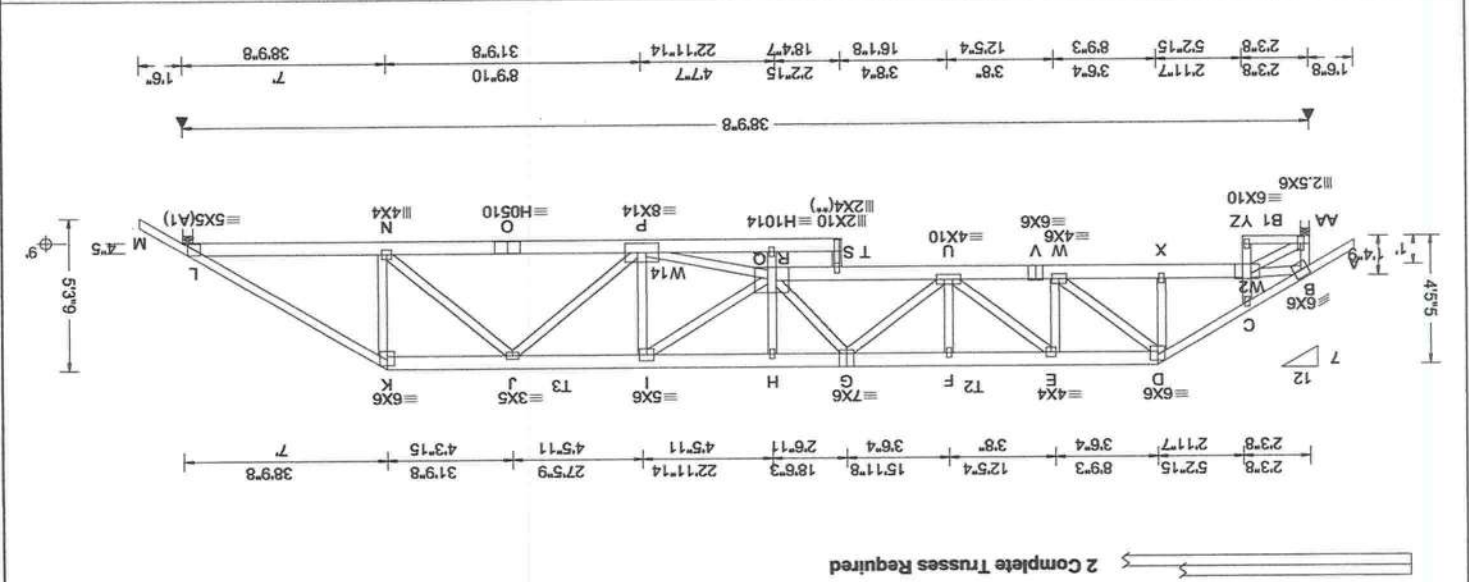
WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. INDEPENDENTLY FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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 BCSI. Instructions pertaining to these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid roof ceiling. Locations shown for permanent lateral bracing and bracing 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 TTV 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. Listing this drawing, indicating acceptance of professional engineering responsibility solely for the design shown. The suitability and safety of the design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Section 1.1. For more information see this job's general notes page and those with effect.



TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10PSF	DRWG	VALTN20723
BC LL	0	0	0PSF		
TOT. L.D.	60	55	57PSF		
SPACING	24.0'				



Loading Criteria (psf)		Wind Criteria		Snow Criteria		Def/CSI Criteria	
TCLL	20.00	Wind Std: ASCE 7-22	Wind Spd: 130 mph	Pg: NA	Ct NA	VF Deflection in loc L/defl L/#	VIEW Ver: 23.02.01A.1204.18
TCDL	10.00	Speed: 130 mph	Enclosure: Closed	Pf: NA	Cs: NA	VERT(TL): 0.339 H 999 360	
BCLL	0.00	Risk Category: II	EXP: C	Kzt: NA		VERT(CL): 0.680 H 681 240	
BCDL	10.00	EXP: C	Kzt: NA			HORZ(TL): 0.137 L	
NCBCLL	0.00	Mean Height: 15.00 ft				HORZ(CL): 0.276 L	
Soffit	2.00	TCDL: 5.0 psf				Creep Factor: 2.0	
Load Duration: 1.25		BCDL: 5.0 psf				Max TC CSI: 0.503	
Spacing: 24.0 "		C&C Dist a: 3.88 ft				Max BC CSI: 0.469	
		Loc. from endwall: not in 4.50 ft				Max Web CSI: 0.904	
		GCP: 0.18					
		Plate Type(s):					
		FT/RT:20(0)/10(0)					
		Rep Fac: No					
		TP1 Std: 2014					
		FBC 8th Ed. 2023 Res.					
		Building Code:					

For more information see these web sites: Alpine: alpineinc.com; TPI: tpiinst.org; SBCCA: sbccacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

ALPINE
AN TPI COMPANY

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

Trusses require extreme care in handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have proper lateral restraint of webs shall have continuous lateral restraint (CLR), installed with attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have proper lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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. Notes page for additional information.

Alpine, a division of TPI 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.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING**

12/28/2023
COA#0-278
Florida Certificate of Product Approval #FL1999

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 70773
FERNANDO VINAS
LICENSE

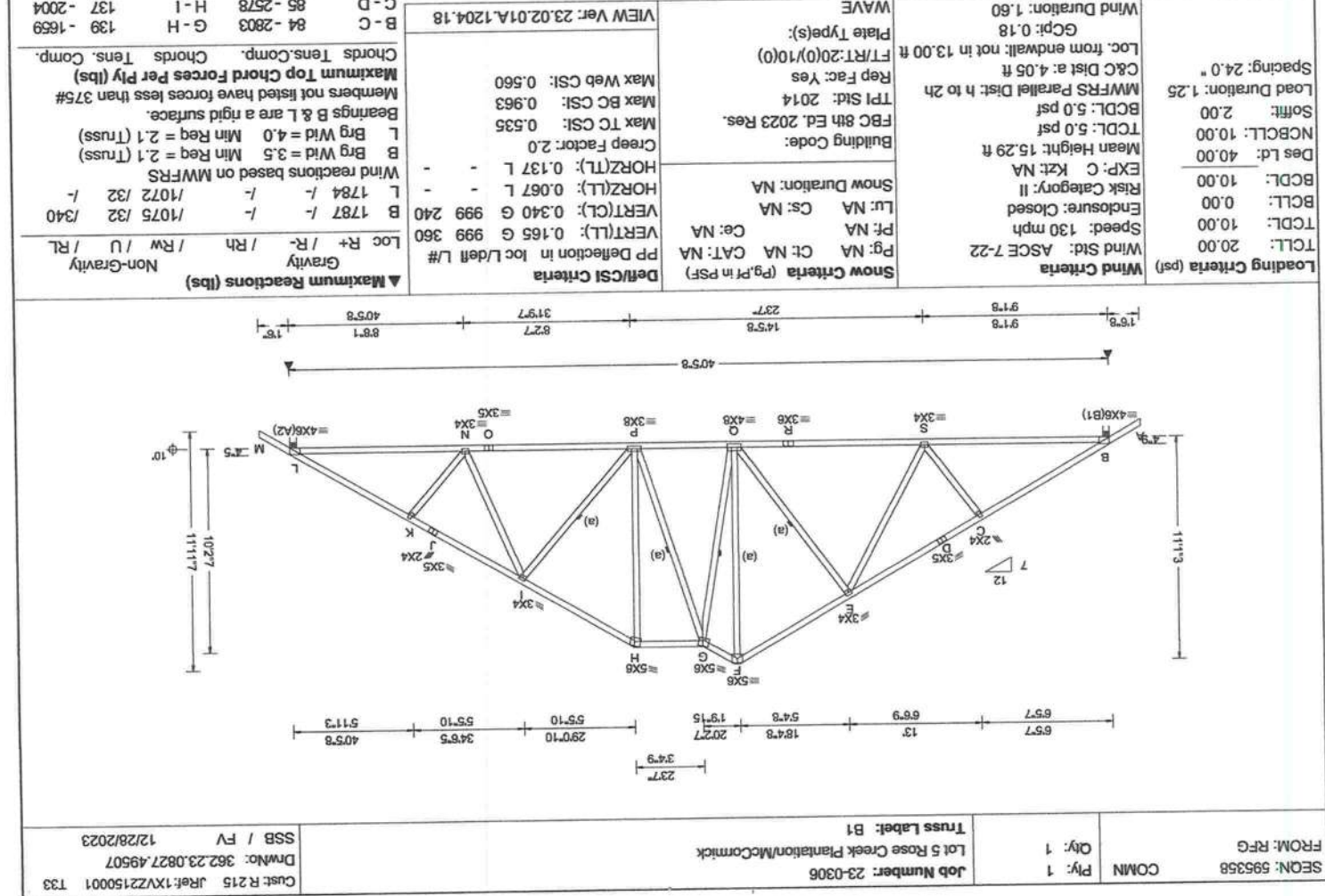
Additional Notes
11-1-3.
The overall height of this truss excluding overhang is

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Bracing
(a) Continuous lateral restraint equally spaced on member.
Wind loads based on MWFRS with additional C&C member design.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Chords Tens. Comp.	Chords Tens. Comp.	Webs Tens. Comp.	Webs Tens. Comp.
B-S 2335 -131	P-O 2028	S-E 545 -12	P-H 642 -1
S-R 1915 -48	O-N 2028	F-Q 1471 -88	I-N 474 -2
R-Q 1915 -48	N-L 2360	E-Q 138 -624	P-I 120 -583
Q-P 1684	0	Q-G 118 -830	



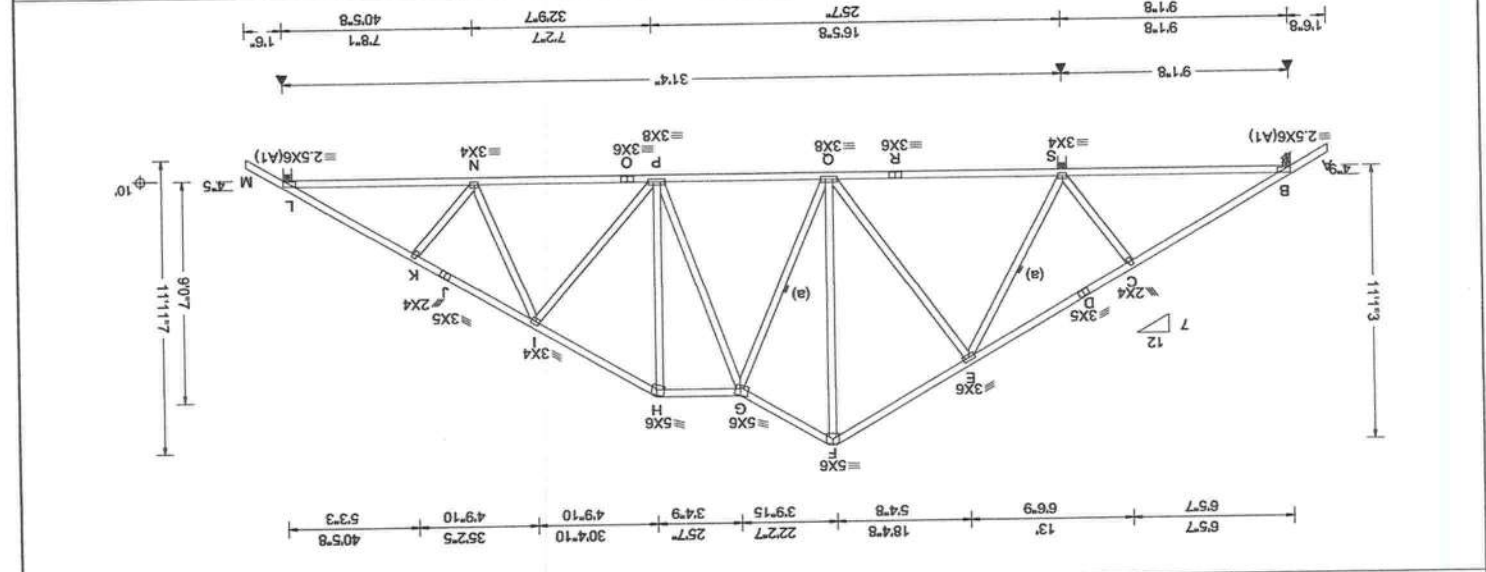
SEON: 595360 FROM: RFG Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

SEON: 595360	FROM: RFG	Job Number: 23-0306	Truss Label: B2	SSB / FV 12/28/2023
Py: 1	Qty: 1	Lot 5 Rose Creek Plantation/MicCornick		
COM				
Lumber				
Top chord: 2x4 SP #2:				
Bot chord: 2x4 SP #2:				
Webs: 2x4 SP #3:				
Bracing				
(a) Continuous lateral restraint equally spaced on member.				
Wind				
Wind loads based on MWFRS with additional C&C member design.				
Wind loading based on both gable and hip roof types.				
Additional Notes				
The overall height of this truss excluding overhang is 11-11-3.				
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS				
READ AND FOLLOW ALL NOTES ON THIS DRAWING				

Loading Criteria (psf)		Wind Criteria		Snow Criteria (pg. 9 in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-22	Speed: 130 mph	Enclosure: Closed	Risk Category: II	EXP: C Kzt: NA	Mean Height: 15.29 ft	TCCL: 5.0 psf	BCDL: 5.0 psf	NCBCLL: 10.00
BCLL: 0.00							MMFRS Parallel Dist: h to 2h	C&C Dist a: 4.05 ft	Loc. from endwall: not in 13.00 ft
Des Ld: 40.00							Building Code: FBC 8th Ed. 2023 Res.	TPI Std: 2014	Rep Fac: Yes
Soffit: 2.00							Creep Factor: 2.0	Max TC CSI: 0.576	Max BC CSI: 0.730
Load Duration: 1.25							Max Web CSI: 0.647	Members not listed have forces less than 375#	Members not listed have forces less than 375#
Spacing: 24.0"								Wind reactions based on MWFRS	Wind reactions based on MWFRS
								B Brg Wid = 3.0 Min Req = 1.5 (Truss)	S Brg Wid = 4.0 Min Req = 1.9 (Truss)
								L Brg Wid = 4.0 Min Req = 1.6 (Truss)	Bearings B, S, & L are a rigid surface.

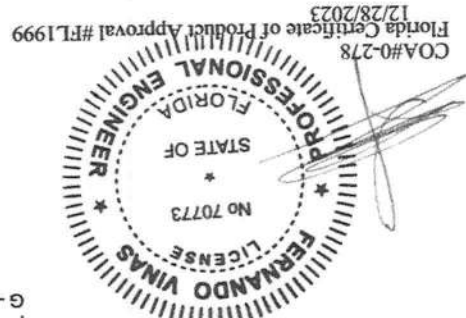


Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

Job Number: 23-0306 Truss Label: B2 SSB / FV 12/28/2023

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FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Tusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information. By IPI and SBCA for safety practices prior to performing these functions. Installers shall perform all temporary bracing per BCSI. Unless noted otherwise, no chord shall have property attached structural sheathing and bottom chord (CLR) installed with attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR) installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of ranss and position as shown above and on the joint Details. Unless noted otherwise, refer to drawings T60A-7 for standard plate positions. Refer to Job's General Notes page for additional information.
Alpine, a division of ITI Building Components Group Inc. shall not be responsible for any deviation from this drawing. Any failure to build the truss in conformance with ANSIP/T 1.1 or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page stating this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for more information see these web sites: Alpine; alpinetw.com; TFI; tfinst.org; SBCA; sbacanponents.com; ICC; locsafe.org; AWC; awc.org.



(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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 11'-1-3/4".

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point)

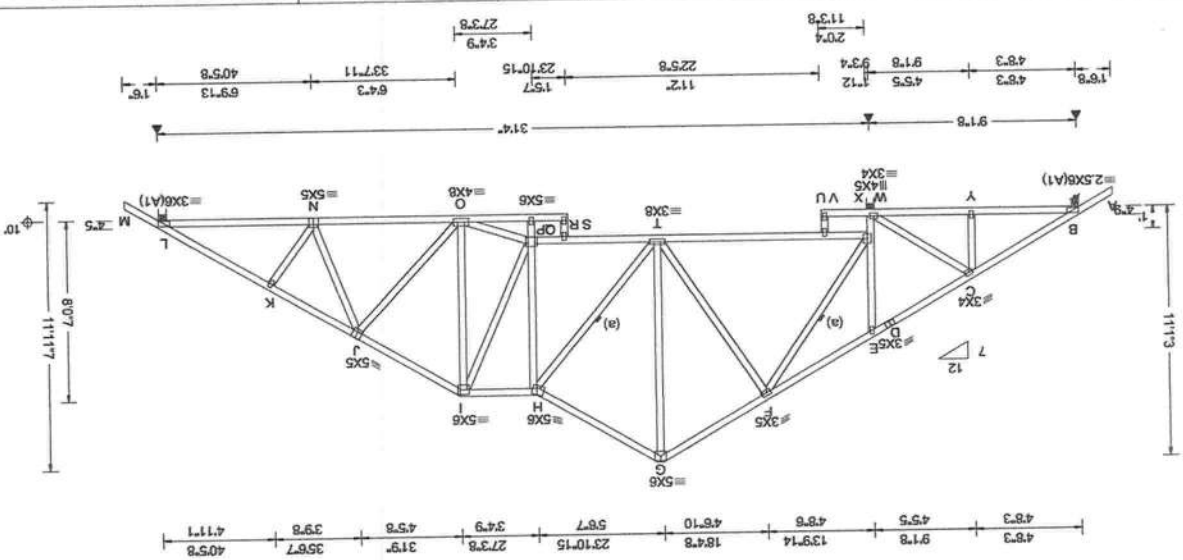
Maximum Bot Chord Forces Per Ply (lbs)				Maximum Web Forces Per Ply (lbs)				
	Chords	Tens.	Comp.		Webs	Tens.	Comp.	
C-D	398	-252	H-I	130	-1475	X-W	60	-1461
D-E	407	-231	I-J	137	-1517	W-F	0	-1372
E-F	400	-210	J-K	128	-1965	F-T	390	0
F-G	149	-1044	K-L	112	-2111	G-T	641	-78
G-H	144	-1052						

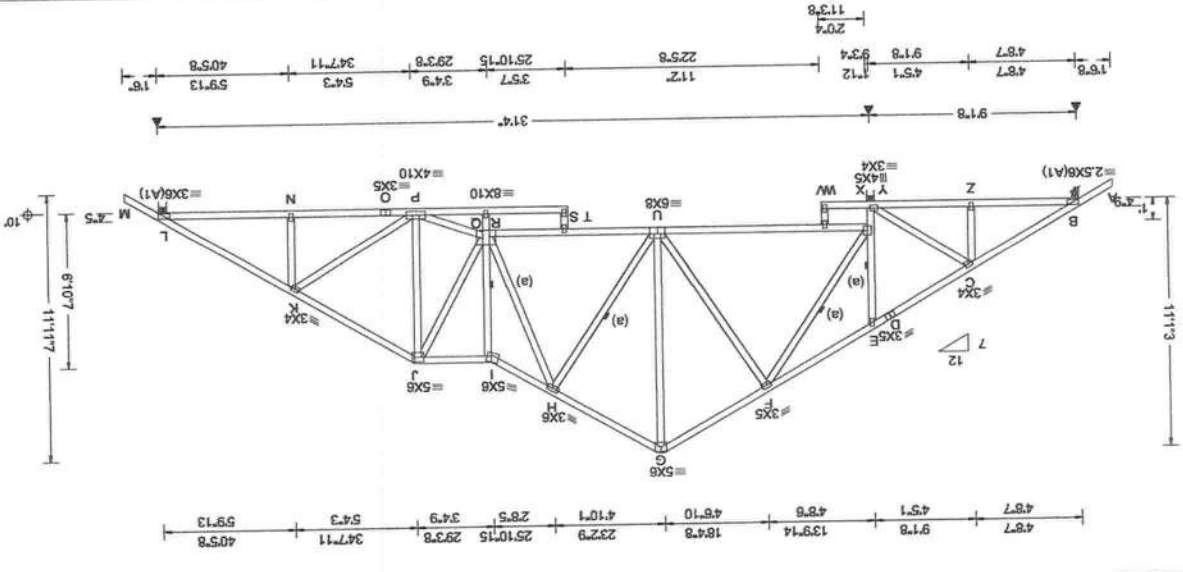
Maximum Web Forces Per Ply (lbs)				Maximum Chord Forces Per Ply (lbs)				
	Webs	Tens.	Comp.		Chords	Tens.	Comp.	
X-W	60	-1461	T-H	115	-1020	X-W	60	-1461
W-F	0	-1372	P-O	520	-12	W-F	0	-1372
F-T	390	0	P-I	91	-446	F-T	390	0
G-T	641	-78	O-J			G-T	641	-78

Maximum reactions (ms)		Gravily		Loc R+		Loc R-		Rh		Rw		U		Non-Gravily	
B	426 / -	-	-	1245 / 104	1340	B	426 / -	-	-	1245 / 104	1340	B	426 / -	-	-
X	1780 / -	-	-	14180 / 28	-	X	1780 / -	-	-	14180 / 28	-	X	1780 / -	-	-
L	1395 / -	-	-	1910 / 65	-	L	1395 / -	-	-	1910 / 65	-	L	1395 / -	-	-

Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.1 in PSF)		DP/Defl Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Duration: 1.60	GCPI: 0.18	Loc. from endwall: not in 13.00 ft	FT/RT:(20/0)(10/0)	Plate Type(s):	VIEW Ver: 23.02.01A.1204.18
TCdL: 10.00	Speed: 130 mph	Wind Std: ASCE 7-22	GCPI: 0.18	C&C Dist a: 4.05 ft	Rep Fac: Yes		
BCLL: 0.00	Enclosure: Closed			MWFRS Parallel Dist: h to 2h	TPI Std: 2014		
BCdL: 10.00	Risk Category: II			TCdL: 5.0 psf	FBC 8th Ed. 2023 Res.		
Des Ld: 40.00	EXP: C Kzt NA			BCdL: 5.0 psf	Building Code:		
NCBCLL: 10.00	Mean Height: 15.29 ft			Soffit: 2.00			
Load Duration: 1.25							
Spacing: 24.0 "							

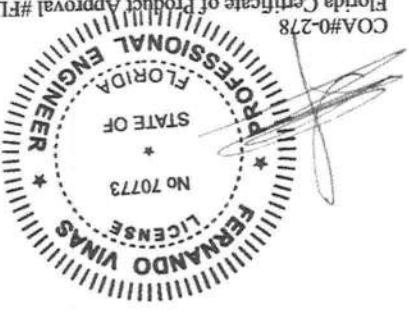
VIEW Ver: 23.02.01A.1204.18		DP/Defl Criteria		Snow Criteria (Pg.1 in PSF)		Building Code:	
VERT(LL): 0.080 P 999 360	VERT(UL): 0.179 V 999 240	HORZ(LL): 0.027 G - -	HORZ(UL): 0.057 G - -	Creep Factor: 2.0	Max TC CSI: 0.344	Max BC CSI: 0.652	Max Web CSI: 0.995





Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. 91 in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
TCLL	20.00	Wind Std: ASCE 7-22	Speed: 130 mph	Pg: NA	Ct: NA	VERT (CL): 0.222	1 999 360	Loc R+ / R- / Rh / Rw / U / RL	Non-Gravity
BCLL	0.00	Enclosure: Closed	Risk Category: II	Lf: NA	Cs: NA	VERT (LL): 0.108	1 999 360	Gravity	
BCDL	10.00	EXP: C Kzt NA	Mean Height: 15.29 ft	Snow Duration: NA		HORZ (LL): 0.032	G -		
Des Ld:	40.00	TCDL: 5.0 psf	BCDL: 5.0 psf	Building Code:		HORZ (TL): 0.067	G -		
NCBCLL	10.00	MMWFRS Parallel Dist: h to 2h	C&C Dist a: 4.05 ft	Rep Fac: Yes		Max Web CSI: 0.550			
Softlt:	2.00	Loc. from endwall: not in 13.00 ft	GCPI: 0.18	Plate Type(s):		Max BC CSI: 0.801			
Load Duration:	1.25	Wind Duration: 1.60		WAVE		Max TC CSI: 0.367			
Spacing: 24.0 "						Creep Factor: 2.0			

Lumber		Plating Notes		Wind		Additional Notes	
Top chord: 2x4 SP #2;		All plates are 2x4 except as noted.		Wind loads based on MWFRS with additional C&C member design.		The overall height of this truss excluding overhang is 11'-11.3".	
Bot chord: 2x4 SP #2;						Laterally brace chord member above/below filler @ 24" O.C. or as specified, including a brace at chord ends.	
Web: 2x4 SP #3;							
Bracing		(a) Continuous lateral restraint equally spaced on member.					
Wind							
Wind loads based on MWFRS with additional C&C member design.							
Wind loading based on both gable and hip roof types.							
Additional Notes							



****WARNING**** 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 SBCA) for safety practices prior to performing these functions. Installers shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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. Notes page for additional information.

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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave
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Glenview, IL 60025

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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 the drawing, or any consequential 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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Additional Notes
The overall height of this truss excluding overhang is 11'-11.3".
Laterally brace chord member above/below filler @ 24" O.C. or as specified, including a brace at chord ends.

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Bracing

(a) Continuous lateral restraint equally spaced on member.

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

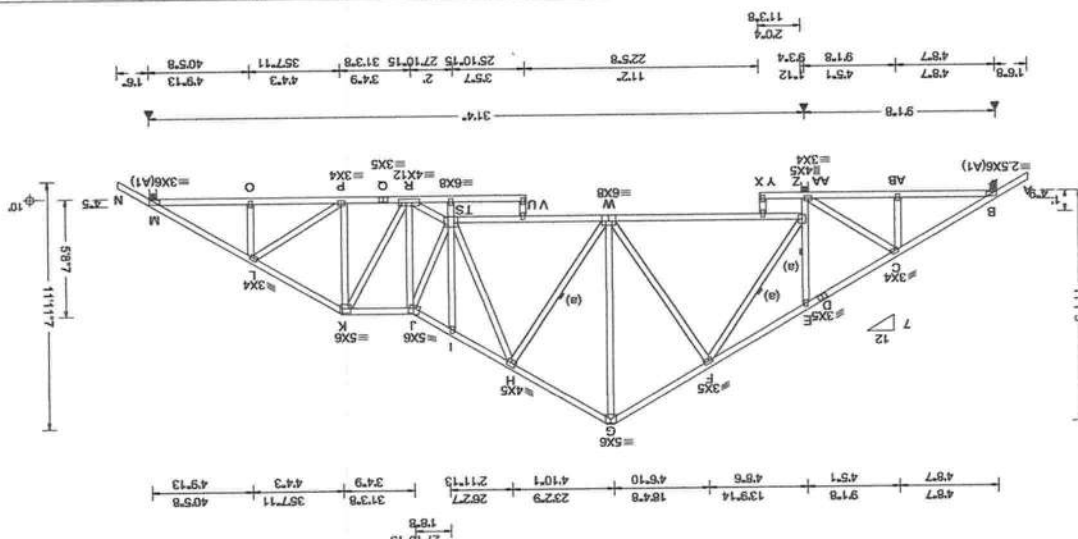
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

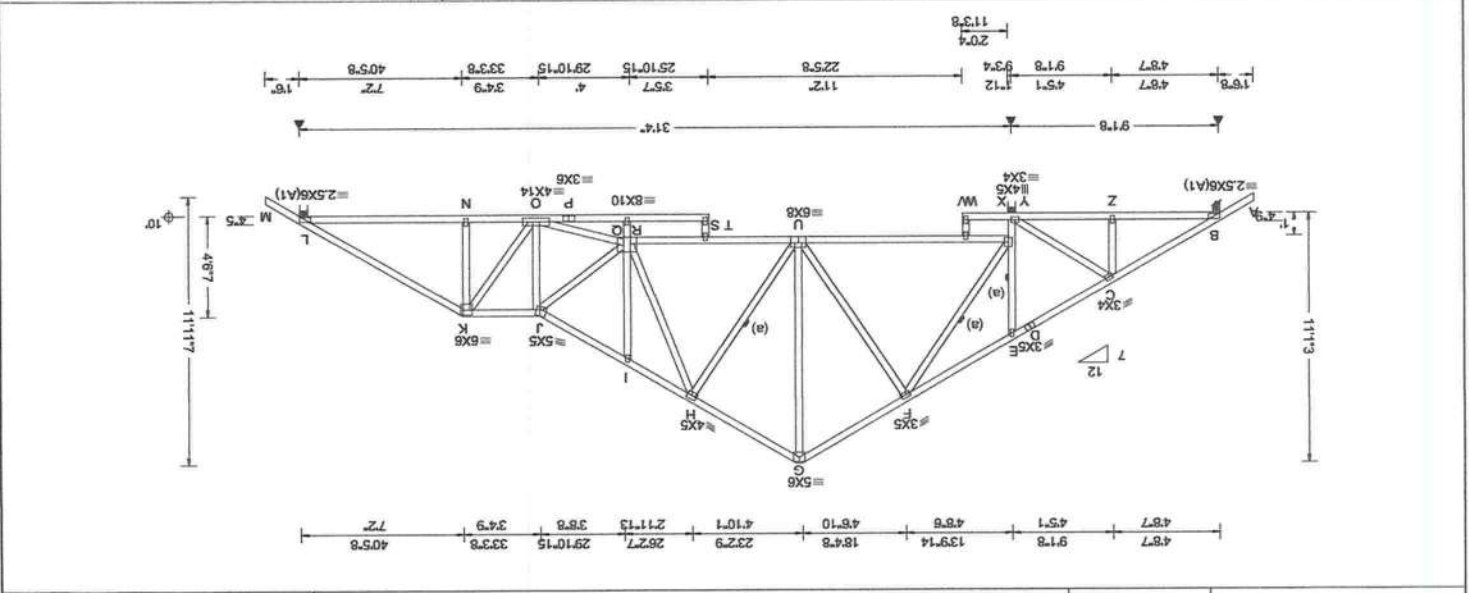
Wind Criteria
Wind Speed: ASCE 7-22
Wind Dir: 130 mph
Enclosure: Closed
Risk Category: II
XP: C Kzt: NA
Mean Height: 15.29 ft
CDL: 5.0 psf
CDL: 5.0 psf
MWFRS Parallel Dist: h
h: 8.0 ft
Dist a: 4.05 ft
loc. from endwall: not in
GCpt: 0.18
Wind Duration: 1.60

SNOW CHAIN (reg. 111) PF: NA CE: NA CAT PF: NA CE: NA LU: NA CS: NA SNOW DURATION: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep FAT: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE
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VIEW Ver: 23.02.01A.1204.18	
Max Web CSI: 0.765	
Max BC CSI: 0.797	
Max TC CSI: 0.344	
Creep Factor: 2.0	
HORZ(TL): 0.072 G	-
HORZ(L): 0.034 G	-
VERT(CL): 0.227 I	999
VERT(L): 0.110 I	999
PP Deflection in loc L/den L/#	360

Loc	R+	/R-	Rh	/Rw	U	/RL	Non-Gravity
B	419	-/-	-/-	/236	/103	/340	
M	1390	-/-	-/-	/900	/63	-/-	
AA	1799	-/-	-/-	/1183	/18	-/-	
Wind reactions based on MWFRS							
B	Brg Wid = 3.0	Min Req = 1.5	(Truss)				
AA	Brg Wid = 4.0	Min Req = 1.7	(Truss)				
M	Brg Wid = 4.0	Min Req = 1.6	(Truss)				
Beams B, A, & M are a rigid surface.							
Members not listed have force less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
	Chords			Tens. Comp.			





Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-22	Speed: 130 mph	Enclosure: Closed	Risk Category: II	EXP: C Kzt: NA	Mean Height: 15.29 ft	BCDL: 5.0 psf	TCDL: 5.0 psf	BCDL: 10.00
TCDL: 10.00									
BCDL: 10.00									
BCDL: 40.00									
NCBCLL: 10.00									
Soffit: 2.00									
Load Duration: 1.25									
Spacing: 24.0 "									

Lumber		Bracing		Plating Notes		Wind		Additional Notes	
Top chord: 2x4 SP #2;	Bot chord: 2x4 SP #2;	Web: 2x4 SP #3;	(a) Continuous lateral restraint equally spaced on member.	All plates are 2X4 except as noted.	Wind loads based on MWFRS with additional C&C member design.	Wind loading based on both gable and hip roof types.	The overall height of this truss excluding overhang is 11'-1-3/4".	Laterally brace chord member above/below filler @ 24" O.C. or as specified, including a brace at chord ends.	

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COA#0-278

12/28/2023

Professional Engineer

State of Florida

No 70773

Fernando Vinas

License

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING**

Trusses require extreme care in packaging, shipping, handling, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by BCSI 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 continuous lateral restraint (CLR) installed with diagonal bracing installed on the CLR 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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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 these web sites: Alpine: alpinetw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

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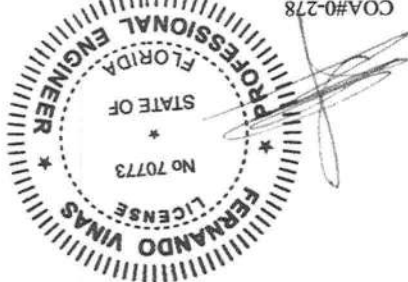
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCA, for safety practices prior to performing the trussing. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly designed lateral bracing and bottom chord shall have a properly attached rigid ceiling. Locations shown for BCS connections B3, B4, B7, B10, as applicable. Apply plates to each face and position as shown above on the truss details. Unless noted otherwise, refer to drawings 160A-2 for standard plate positions. Refer to job's General Notes page for additional information.

Division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the trussing in conformance with ANSI/TPI 1, or for handling, 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.

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11-1-3. Laterally brace chord member above/below filler @ 24" O.C. or as specified, including a brace at chord ends.

Additional Notes

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

DUIM

All plates are 2x4 except as noted.
 (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Plating Notes

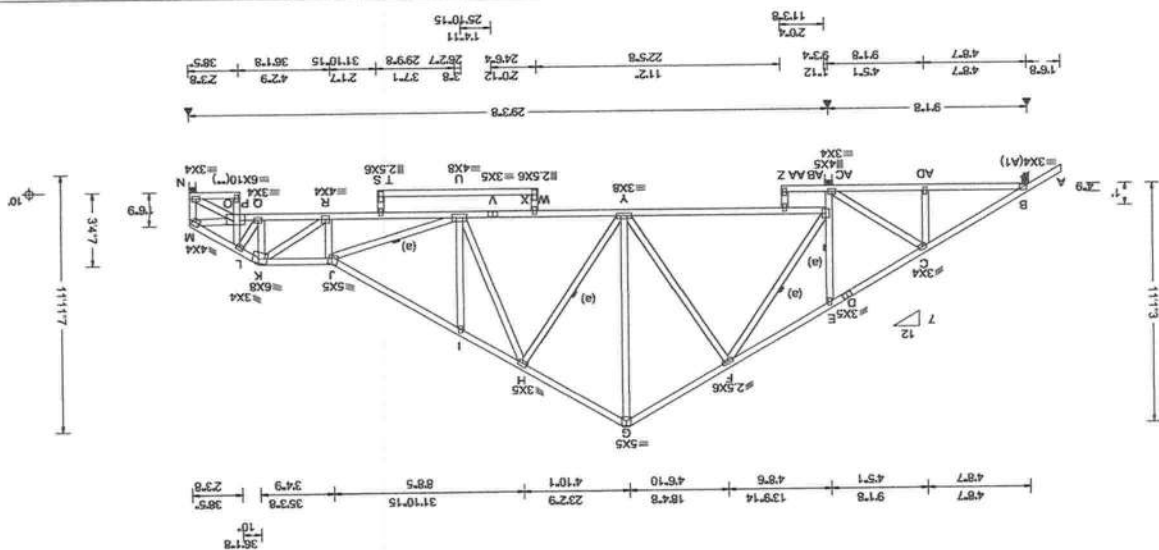
(a) Continuous lateral restraint equally spaced on member.

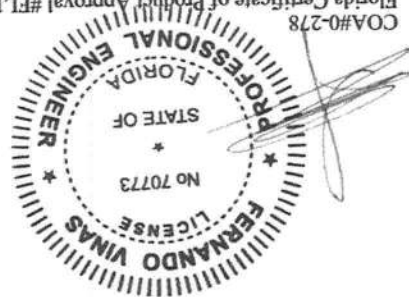
Bracing

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Lumber

Loading Criteria (psf)	Wind Criteria		Snow Criteria (Pg.17 in PSF)		Defl/Cs1 Criteria	VIEW Ver: 23.02.01A-1204.18	▲ Maximum reactions (lbs)	Gravity	Non-Gravity	Loc R+ /R- /Rh /Rw /U /RL	B 417 -/- /207 /76 /307	AC 1730 -/- /1120 /40 -/-	N 1192 -/- /723 /26 -/-	Wind reactions based on MMWRS			B AC Brg Wid = 3.0 Min Req = 1.5 (Truss)	AC Brg Wid = 4.0 Min Req = 1.7 (Truss)	N Brg Wid = 3.5 Min Req = 1.5 (Truss)	Beams B, AC, & N are a rigid surface. Members not listed have forces less than 375#	Maximum Top Chord Forces Per Ply (lbs)				
	TCLL: 20.00	TCDL: 10.00	BCLL: 0.00	BCDL: 10.00										EXP: C Kzt NA	Mean Height: 15.29 ft	TCDD: 5.0 psf						BCDD: 5.0 psf	MMWRS Parallel Dist: h to 2h	C&C Dist at: 3.84 ft	Loc. from endwall: not in 9.00 ft
Snow Criteria		Wind Criteria		Snow Criteria		VIEW Ver: 23.02.01A-1204.18		Non-Gravity		Gravity		Loc R+ /R- /Rh /Rw /U /RL		Wind reactions based on MMWRS		B AC Brg Wid = 3.0 Min Req = 1.5 (Truss)		AC Brg Wid = 4.0 Min Req = 1.7 (Truss)		N Brg Wid = 3.5 Min Req = 1.5 (Truss)		Beams B, AC, & N are a rigid surface. Members not listed have forces less than 375#		Maximum Top Chord Forces Per Ply (lbs)	





Maximum Bot Chord Forces Per Ply (lbs)				Maximum Web Forces Per Ply (lbs)			
	Chords	Tens. Comp.		Chords	Tens. Comp.		
C-D	403	-120	I-J	132	-1769		
D-E	470	-413	J-K	107	-1806		
F-G	152	-413	K-L	114	-5349		
G-H	116	-790	L-M	65	-3009		
H-I	121	-976	M-N	60	-2843		
Z-Y	654	0	U-T	1867	-47		
Y-X	1139	0	T-R	1880	-41		
X-V	1139	0	R-P	4598	-54		
V-U	1127	0					
AD-AC	47	-1554	U-K	119	-774		
AC-EZ	36	-1560	K-R	3381	-19		
E-Z	1180	0	L-R	99	-2320		
Z-G	0	-782	L-P	14	-1668		
G-Y	542	-33	P-N	3006	-63		
Y-I	124	-774	N-O	35	-1077		
I-U	882	-52					

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Tusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, per B7 and B80, for details on proper bracing and bracing methods. B7 and B80 shall have properly attached structural sheathing and bottom chord shall have a properly braced per BCS1 information. Top chord shall have a properly attached lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCS1 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-Z for standard plate positions. Refer to Job's General Notes page for additional information.
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 stating 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 these web sites: Alpine: alpineitw.com, TPI: tpiconsult.org, SBCA: sbccomponents.com, ICC: iccsafe.org, AWC: awccore.com

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Read and follow all notes on this drawing.
Tusses require extreme care in handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information by TPI and SBCCA for safety practices prior to performing any work on these trusses. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord will have proper pre-drilled gusset plates installed and bottom chord shall have a properly attached rigid ceiling joist or other approved means of lateral support. All webs shall have continuous lateral restraint (CLR), installed with diagonal bracing in the clear per CEB sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above on the joint details. Unless noted otherwise, refer to drawings 160A-2 for standard plate positions. Refer to job's General Information page for additional information.
Alpine, a division of TTV 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, 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 these web sites: Alpine: alpinetrv.com; TPI: tpinst.org; SBCCA: sbccacomponents.com; ICC: iccsafe.org; AWC: awc.org.

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The overall height of this truss excluding overhang is 9-3-5.

Negative reaction(s) of -258# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Additional Notes

member design.
Wind loading based on both gable and hip roof types.

PUIM

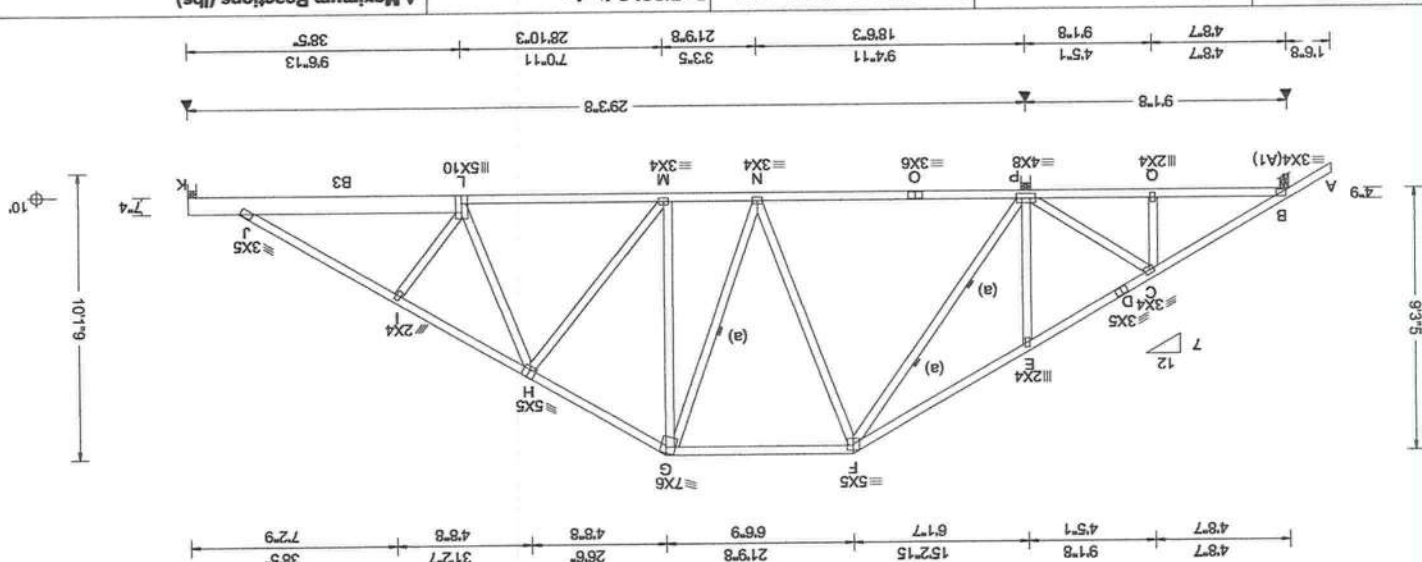
(a) Continuous lateral restraint equally spaced on member.

Bracing

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3;

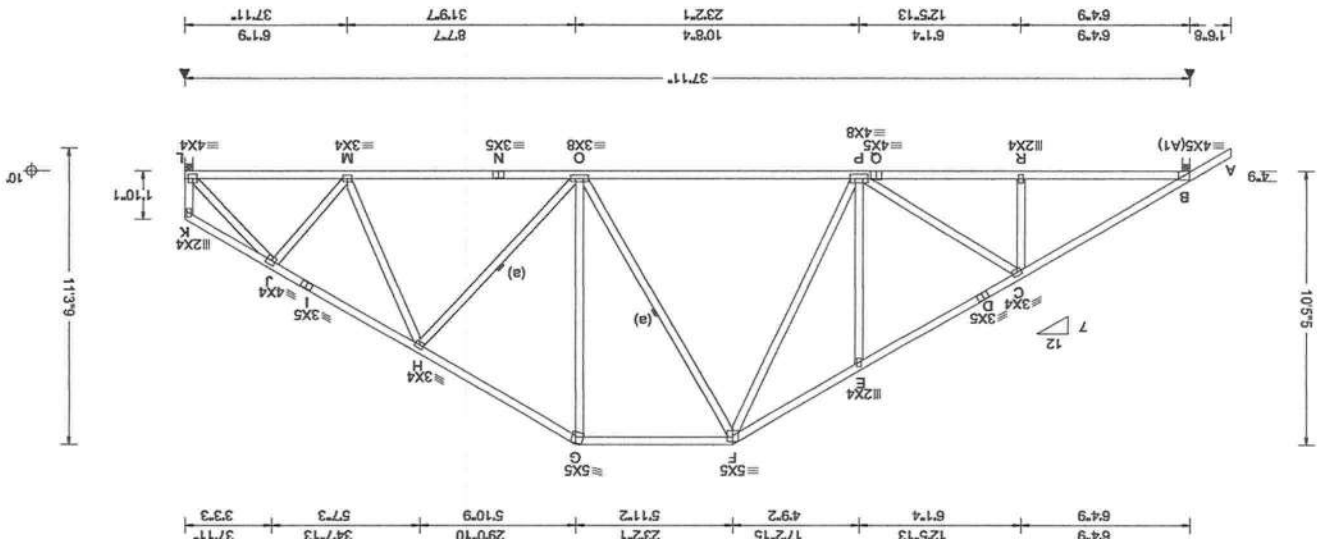
Lumber

Loading Criteria (psf)	CCL: 20.00	Wind Criteria	Wind Duration: 1.50	WAVE	VIEW Ver: 23.02.01A-1204.18	Def/Crit Criteria	Snow Criteria (Pg, Pt in PSF)		Snow Criteria (Pg, Pt in PSF)	Building Code:	Wind Criteria		Loading Criteria (psf)	
	CDCL: 10.00	Speed: 130 mph	Enclosure: Closed				Risk Category: II	EXP: C Kd: NA			Mes Ld: 40.00	CBCL: 10.00		Coefit: 2.00
			Wind Sid: ASCE 7-22				Pg: NA Ct NA CAT: PSA			Building Code:	FBC 8th Ed. 2023 Res.	TP1 Sid: 2014		
							Ce: NA				Rep Fac: Yes	RT/RT: 20(0)/10(0)	Loc. from endwall: not in 9.00 ft	
							Lu: NA Cs: NA					GCPI: 0.18		
							Snow Duration: NA							
														</



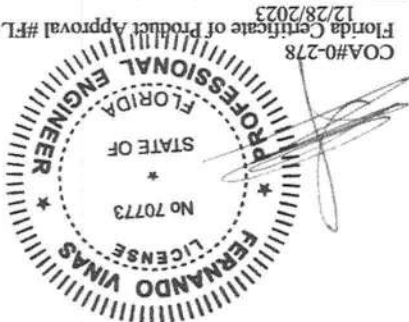
SEQN: 595366	Pty: 1	Job Number: 23-0306	Truss Label: B9
FROM: RFG	Qty: 1	Lot 5 Rose Creek Plantation/McCormick	
SPEC			
Cust: R 215 JRef: 1XVZ2150001 T64	DwnNo: 362.23.0827.23023	SSB / PV	12/28/2023

Loading Criteria (psf)	TCLL: 20.00	Wind Criteria	Wind Std: ASCE 7-22	Speed: 130 mph	Enclosure: Closed	Risk Category: II	EXP: C Kzt: NA	BCDL: 10.00	DCBLL: 10.00	Softlt: 2.00	Load Duration: 1.25	Spacing: 24.0 "					
	TCDL: 10.00	Wind Criteria	Wind Std: ASCE 7-22	Speed: 130 mph	Enclosure: Closed	Risk Category: II	EXP: C Kzt: NA	BCDL: 10.00	DCBLL: 10.00	Softlt: 2.00	Load Duration: 1.25	Spacing: 24.0 "					
Snow Criteria (Pg,Pt in PSF)	Pg: NA Ct NA CAT: NA	Snow Criteria	Pg: NA Ct NA CAT: NA	Pt: NA	Lx: NA Cs: NA	Snow Duration: NA	Building Code:	FBC 8th Ed. 2023 Res.	TPI Std: 2014	Rep Fac: Yes	FT/RT:20(0)/10(0)	Plate Type(s):	WAVE				
	VIEW Ver. 23.02.01A.1204.18	Defl/CSI Criteria	PP Deflection in loc L/def L/#	VERT(L): 0.115 E 999 360	VERT(C/L): 0.238 E 999 240	HORZ(L): 0.051 L - -	HORZ(TL): 0.106 L - -	Creep Factor: 2.0	Max TC CSI: 0.509	Max BC CSI: 0.988	Max Web CSI: 0.847						
Maximum Reactions (lbs)	Loc R+ /R- /Rh /Rw /U /RL	Gravity	Non-Gravity	B 1689 -/- /- /1030 - /287	L 1566 -/- /- /899 - /-	B Wind Reactions based on MWFRS	B Brg Wid = 3.5 Min Req = 2.0 (Truss)	L Brg Wid = 3.5 Min Req = 1.8 (Truss)	Bearings B & L are a rigid surface.	Members not listed have forces less than 375#	Maximum Top Chord Forces Per Ply (lbs)	Chords Tens.Comp.	C-B C	C-D 0 -2620	G-H F-G	25 -1423	6 -1737



Bracing
(a) Continuous lateral restraint equally spaced on member.
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 10-5-5.

Maximum Bot Chord Forces Per Ply (lbs)		Chords Tens. Comp.	
B-R	2175	-45	O-N
R-Q	2173	-46	N-M
Q-P	2173	-46	M-L
P-O	1444	0	
Maximum Web Forces Per Ply (lbs)			
Webs Tens. Comp.		Webs Tens. Comp.	
C-P	104	-435	O-G
P-F	843	-111	J-L
		0 - 1977	

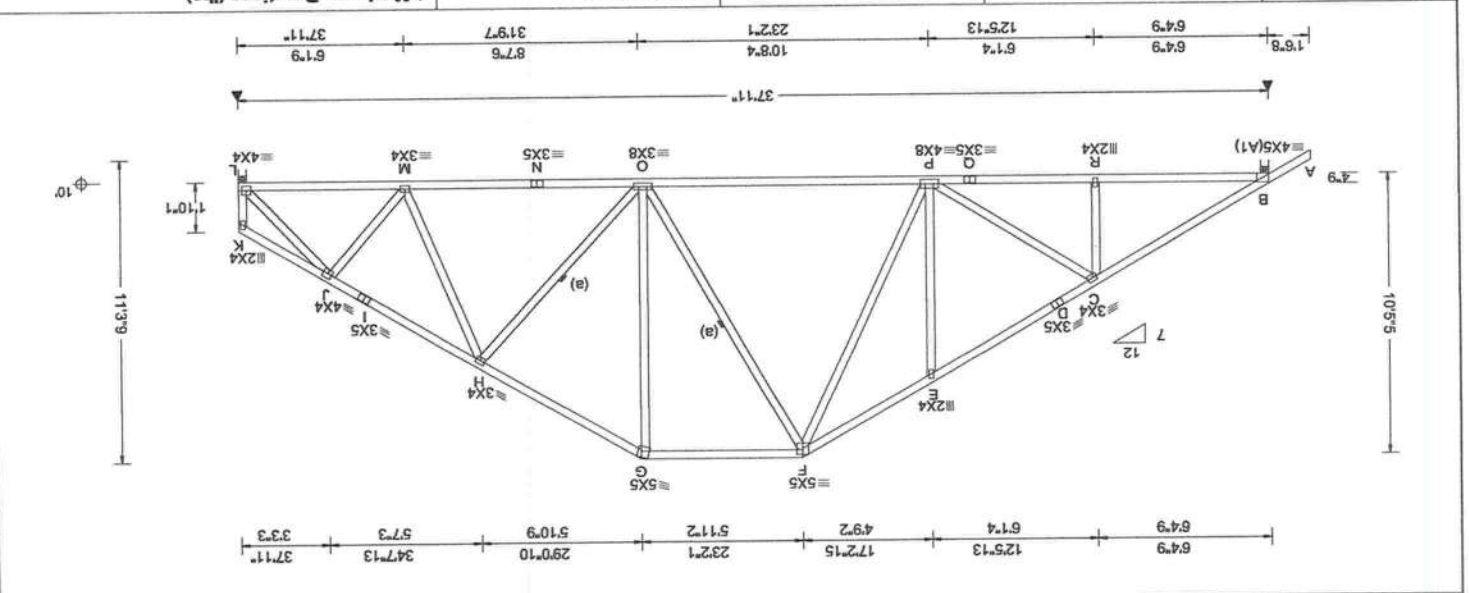


IMPORTANT WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING

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 SBCA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, do not install any webs until all sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with sheathing installed on top of webs per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above on joint details. Unless noted otherwise, refer to drawings 160A-7 for standard plate positions. Refer to job's General Notes page for additional information.

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 ANSII/P1.1, 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 ANSII/P1.1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com, TPI: tpinst.org, SBCA: sbccomponents.com, ICC: iccsafe.org, AWC: awc.org



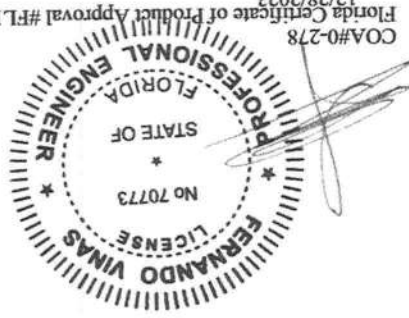
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. 1 in PSF)		Defl/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCCL: 20.00	Wind Std: ASCE 7-22	Pg: NA	Ce: NA	Pf: NA	Ce: NA	PP Deflection in Loc L/Defl L/#	VERT(C/L): 0.115 E 999 360	Max Web CSI: 0.848	
TCCL: 10.00	Speed: 130 mph	Lu: NA	Cs: NA	LT: NA	Cs: NA	HORZ(L): 0.051 L -	Max TC CSI: 0.509	Max BC CSI: 0.987	
BCCL: 0.00	Enclosure: Closed	Building Code: FBC 8th Ed. 2023 Res.	TP1 Std: 2014	Rep Fac: Yes	FT/RT: 20(0)/10(0)	Creep Factor: 2.0	Max BC CSI: 0.987		
Des Ld: 40.00	EXP: C Kzt NA	Mean Height: 15.00 ft	BCDL: 5.0 psf	BCCL: 5.0 psf	C&C Dist a: 3.79 ft	Loc. from endwall: not in 9.00 ft			
NCBCLL: 10.00	Risk Category: II	GCpl: 0.18	WAVE						
Soft: 2.00									
Load Duration: 1.25									
Spacing: 24.0"									

Lumber		Bracing		Wind		Additional Notes	
Top chord: 2x4 SP #2:		(a) Continuous lateral restraint equally spaced on member.		Wind loads based on MWFRS with additional C&C member design.		Right end vertical not exposed to wind pressure.	
Bot chord: 2x4 SP #2:				Wind loading based on both gable and hip roof types.		The overall height of this truss excluding overhang is 10'-5-5/8".	

Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
E - F	198 - 2170	I - J	64 - 1906
D - E	110 - 2146	H - I	89 - 1861
C - D	83 - 2189	G - H	129 - 1740
B - C	93 - 2622	F - G	134 - 1425

Maximum Top Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
L	1568 - 1897	O - N	1609 - 1609
B	1690 - 1897	M - L	1372 - 29
	1028 / 57		
	126 / 26		

Chords Tens. Comp.		Webs Tens. Comp.	
B - R	2176 - 166	C - P	101 - 435
R - Q	2175 - 166		
Q - P	2175 - 166		
P - O	1446 - 45		



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING

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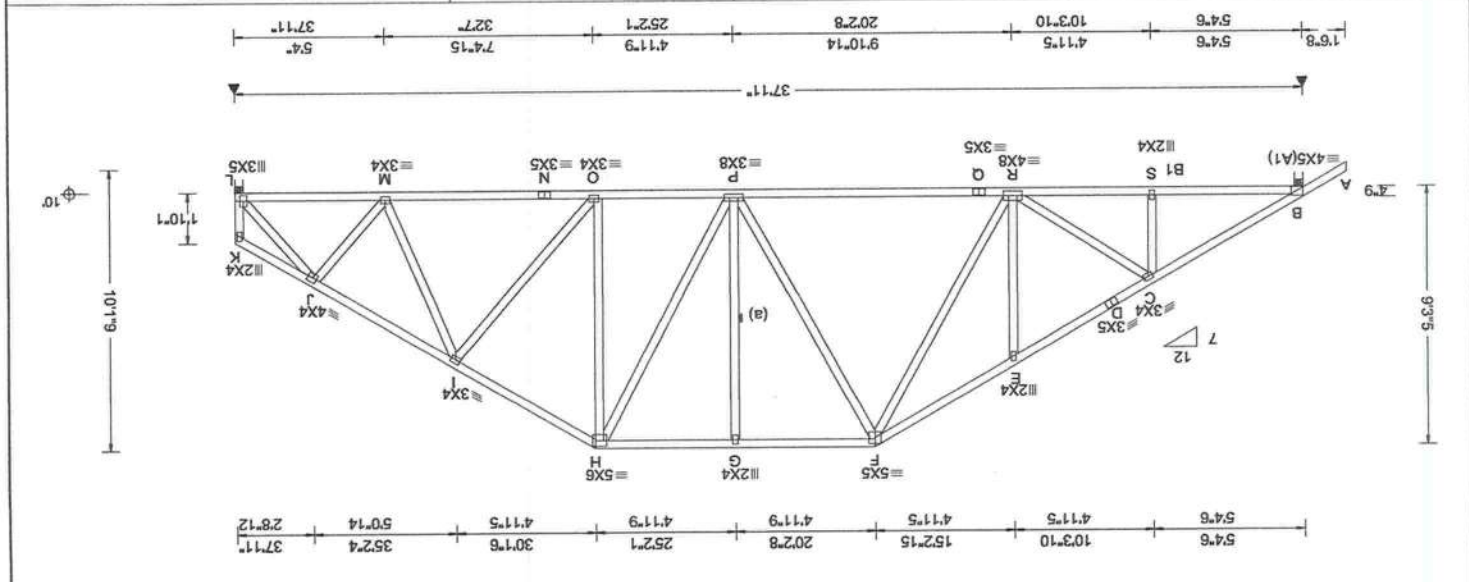
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCEA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural steeling and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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. Notes page for additional information. Unless noted otherwise, refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes for additional information.

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 see these web sites: Alpine: alpineitw.com; TPI: tpinetw.com; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org

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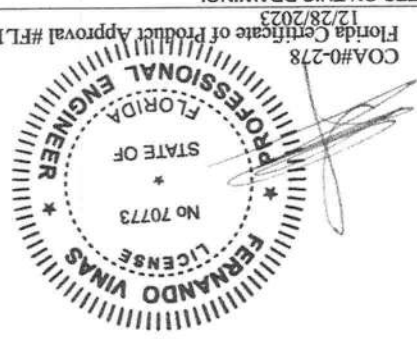
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025





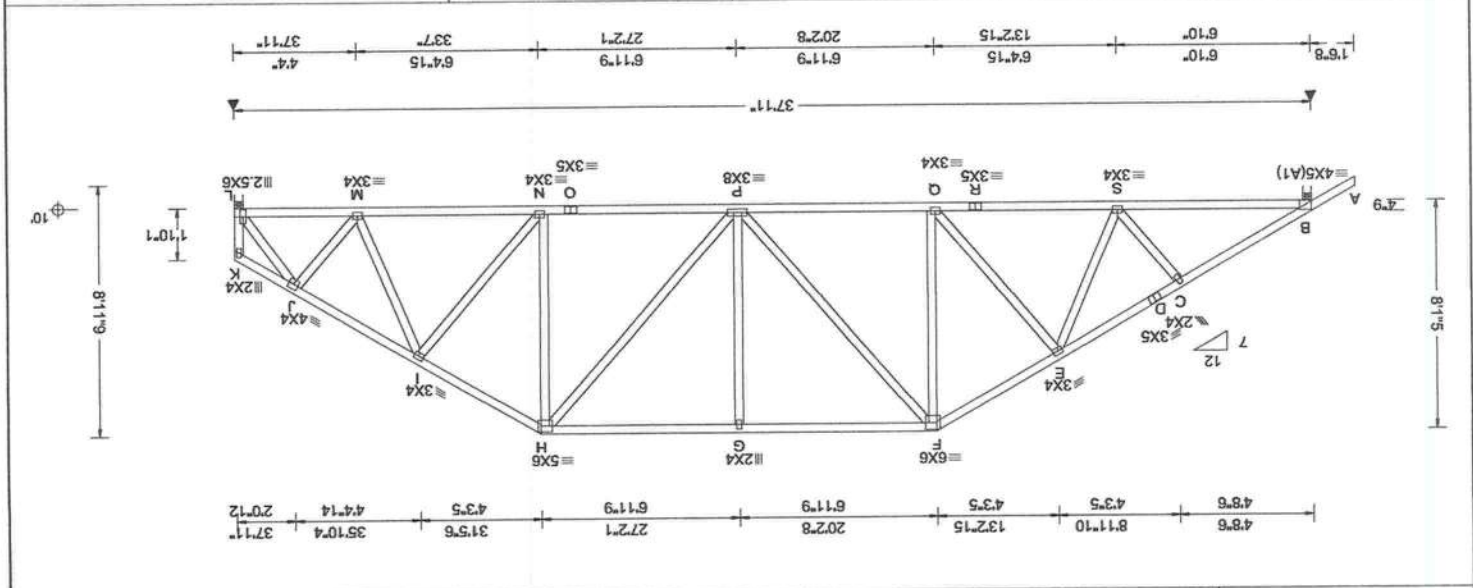
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
TCLL	20.00	Wind Std: ASCE 7-22		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/def L/#	Loc R+ / R- / Rh / Rw / U / RL	Non-Gravity
TCDL	10.00	Speed: 130 mph		Pf: NA	Cs: NA		VERT(L): 0.105 E 999 360		Gravity
BCLL	0.00	Enclosure: Closed		Lv: NA			HORZ(L): 0.046 L - -		
BCDL	10.00	Risk Category: II		Snow Duration: NA			HORZ(TL): 0.094 L - -		
Des Ld:	40.00	EXP: C Kzt: NA					Creep Factor: 2.0		
NCBCLL	10.00	TCDL: 5.0 psf					Max TC CSI: 0.458		
Sofft:	2.00	BCDL: 5.0 psf					Max BC CSI: 0.785		
Load Duration:	1.25	MMWFRS Parallel Dist h to 2h					Max Web CSI: 0.661		
Spacing: 24.0"		C&C Dist a: 3.79 ft							
		Loc. from endwall: not in 9.00 ft							
		GCPt: 0.18							
		Wind Duration: 1.60							

Lumber		Bracing		Wind		Additional Notes	
Top chord: 2x4 SP #2:		member.		Wind loads based on MMWFRS with additional C&C		Right end vertical not exposed to wind pressure.	
Bot chord: 2x4 SP M-31:		(a) Continuous lateral restraint equally spaced on		member design.		Wind loading based on both gable and hip roof types.	
Webs: 2x4 SP #3:						The overall height of this truss excluding overhang is	
						9'-3"-5.	



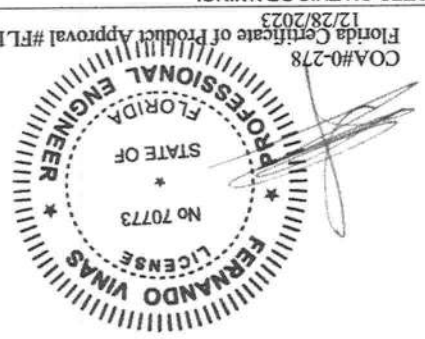
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Loading Criteria	TCLL: 20.00 TCOD: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld.: 40.00 NCBSCCL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria	WIND STD: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDD: 5.0 psf BCDD: 5.0 psf MMWRFS Parallel Dist: h to 2h C&C Dist at: 3.79 ft Loc. from endwall: not in 9.00 ft GCPI: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.IF in PSF) Pg: NA CE: NA CAT: NA Pf: NA Ce: NA Lv: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in Loc L/dell L/# VERT(LL): 0.114 G 999 360 VERT(UL): 0.236 G 999 240 HORIZ(L): 0.052 L - - HORIZ(TL): 0.108 L - - Creep Factor: 2.0 Max TC CSI: 0.595 Max BC CSI: 0.755 Max Web CSI: 0.561 VIEW Ver: 23.02.01A.1204.18	B-C D B-C F-G G-H H 209 - 1931	A Maximum Reactions (lbs)	Loc R+ /R- Gravity Non-Gravity / Rw / U / RL /1016 /93 /223 /884 /59 /- B 1690 -/- W Ind reactions based on MMWRFS B Brg Wid = 3.5 Min Req = 2.0 (Truss) L Brg Wid = 3.5 Min Req = 1.8 (Truss) Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. F-G H 209 - 1931
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Lumber		Top chord: 2x4 SP #2;		Bot chord: 2x4 SP #2;		Webs: 2x4 SP #3;																																																									
Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types. Additional Notes The overall height of this truss excluding overhang is 8'-1-5/8".																																																															
Maximum Bot Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th></th> <th>D - E</th> <th>E - F</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>178 - 2460</td> <td>194 - 2083</td> <td>I - J</td> <td>159</td> <td>- 1885</td> <td>110</td> <td>- 1775</td> </tr> </tbody> </table>									D - E	E - F							178 - 2460	194 - 2083	I - J	159	- 1885	110	- 1775																																								
	D - E	E - F																																																													
	178 - 2460	194 - 2083	I - J	159	- 1885	110	- 1775																																																								
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	B - S	S - R	R - Q	Q - P																																																											
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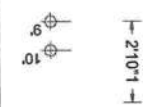
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Alpine's drawings are in accordance with ANSI/ITP 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/ITP 1 Sec. 2.

For more information see these web sites: Alpine: alpinetw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE ANIMAL COMPLAINT

155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

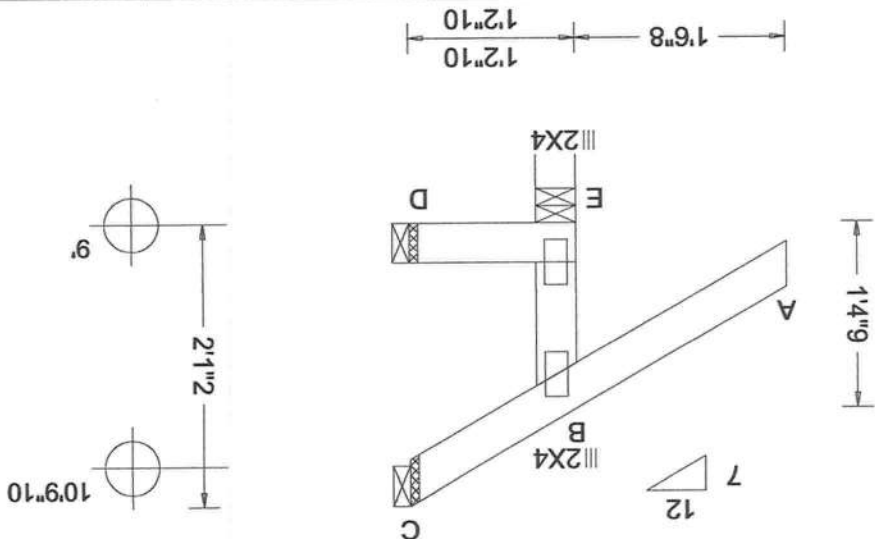


Maximum Bot Chord Forces Per Ply (lbs)		Chords Tens. Comp.	
B-U	2189 - 389	S-R	2157 - 334
U-T	2187 - 390	R-P	2041 - 313
T-S	2157 - 334	P-N	2012 - 296
Maximum Web Forces Per Ply (lbs)		Webs Tens. Comp.	
C-T	147 - 378	N-J	549 - 51
D-T	773 - 108	N-M	1224 - 189
T-E	120 - 483	J-M	198 - 885
R-H	168 - 784	M-K	1402 - 230
N-I	677 - 103	K-L	295 - 1534

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

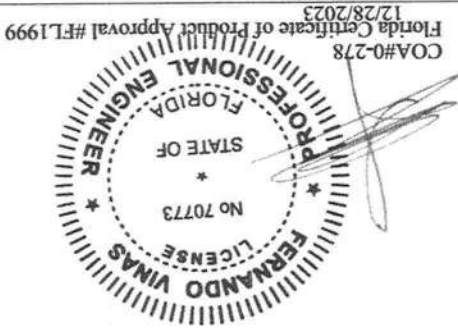
6-11-5.

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Component Safety Information, by TPI and SBCA, for safety practices prior to erecting these trusses. Trusses should be erected and braced in accordance with the following instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for removal of truss lateral bracing are for BCS1 sections only. Unless noted otherwise, top chord shall have proper bracing and structural sheathing and bottom chord shall have a properly braced lateral bracing system. Trusses shall have continuous lateral restraint (CLR) installed with diagonal bracing installed on the CLR per BCS1 sections B, B-10, as applicable. Apply plates to each face and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of RTM Bracing, Inc., is responsible for the design, installation and bracing of trusses. A seal on this drawing or cover page listing in conjunction with ANSITP1-1 for handling, shipping, installation and bracing of trusses. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSITP1-1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpiinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org.



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Prt in PSF)		Defl/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TC/L: 20.00	TC/DL: 10.00	Wind Std: ASCE 7-22	Speed: 130 mph	Pg: NA	Ct: NA	VERT(L): 0.000 B 999 360	PP Deflection in loc L/defl L#	Max Web CSI: 0.046	
BC/DL: 0.00	BC/L: 0.00	Enclosure: Closed	EXP: C Kzt NA	Lu: NA	Cs: NA	HORZ(L): 0.000 B -		Max BC CSI: 0.014	
Des Ld: 40.00	NCBCL: 10.00	Risk Category: II	Mean Height: 15.00 ft	Snow Duration: NA		HORZ(TL): 0.000 B -		Max TC CSI: 0.172	
Softfi: 2.00	TC/DL: 5.00	TC/DL: 5.00 psf	BC/DL: 5.00 psf	Building Code: FBC 8th Ed. 2023 Res.		Creep Factor: 2.0			
Load Duration: 1.25	MWFRS Parallel Dist 0 to h/2	C&C Dist a: 3.00 ft	Loc. from endwall: not in 4.50 ft	TP1 Std: 2014					
Spacing: 24.0"		GCpt: 0.18	Wind Duration: 1.60	Rep Fac: Yes					
				Plate Type(s): FT/RT:20(0)/10(0)					

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 2'-2".



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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 these web sites: Alpine: alpineitw.com; TPI: tpinstl.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS DRAWING**

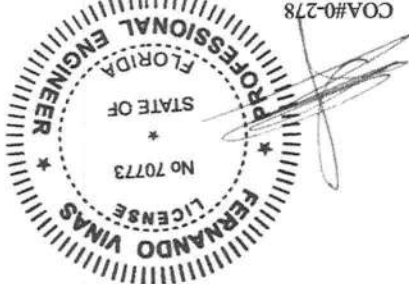
*****IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

Trusses require extreme care in fabricating, 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 continuous lateral bracing (CLB) installed with diagonal bracing installed on the CLB per BCSI sections B3, B7, or B10, as applicable. CLB 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. Refer to Job's General Note page for additional information.

Alpine, a division of ATN Building Components Group Inc. shall not be responsible for any deviation from this drawing. A seal on this drawing or cover page attesting 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 these web sites: Alpine: alpineitw.com; TPI: tppi.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org.

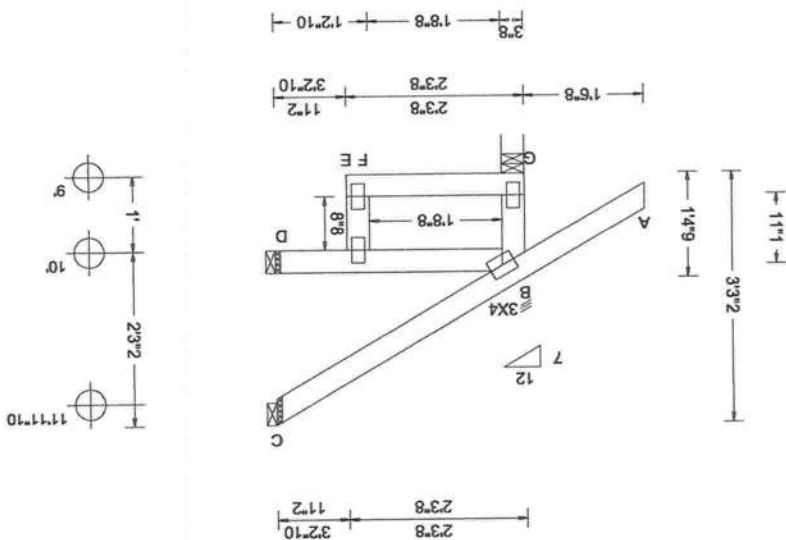
Florida Certificate of Product Approval #FL1999
12/28/2023



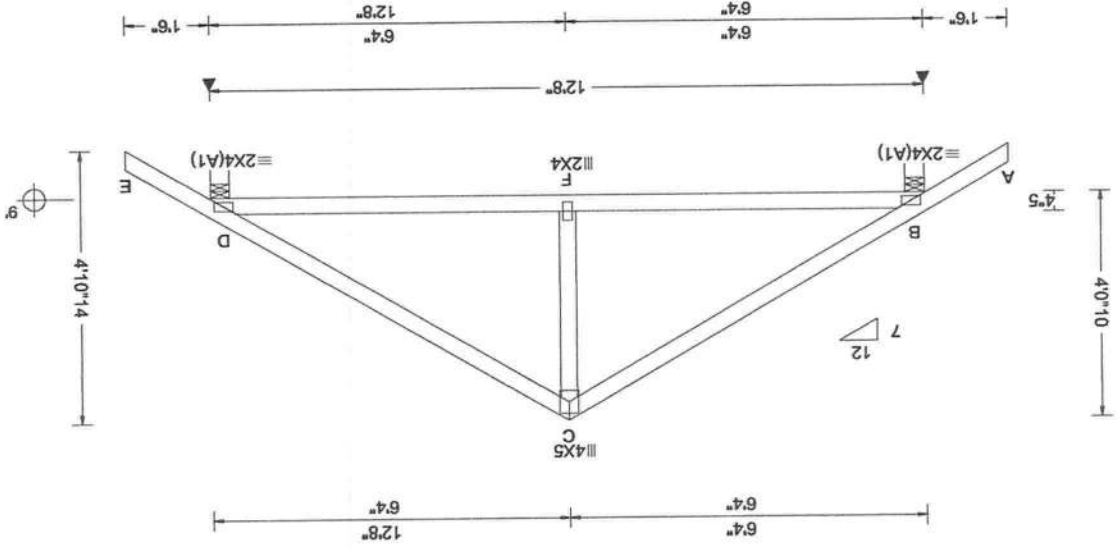
Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 3-3-2.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

[illegible]

SECN: 595582	COMM	Py: 2	Job Number: 23-0306	Truss Label: D3	SSB / FV	12/28/2023
FROM: RFG		Qty: 1	Lot 5 Rose Creek Plantation/McCormick		DrawNo: 362.23.0827.59550	
					Cust: R 215	Ref: 1XV22150001 T20

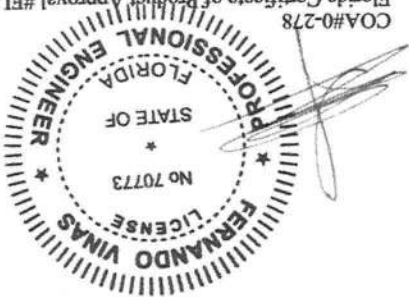


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.17 in PSF)		Def/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/Defl L/#	VERT(LL): 0.012 B	999 360	Loc R+ / R- / Rh / Rw / U / RL	Non-Gravity
BCLL: 10.00	Enclosure: Closed	Pt: NA	Cs: NA			VERT(CL): 0.024 B	999 240	B 621 - / - /387 /110 /139	
BCDL: 10.00	Risk Category: II					HORZ(LL): 0.007 B	- -	D 636 - / - /395 /113 - /	
Des Ld: 40.00	EXP: C Kzt: NA					HORZ(TL): 0.013 B	- -	Brg Wid = 4.0 Min Req = 1.5 (Truss)	
NCBCLL: 10.00	Mean Height: 15.00 ft					Creep Factor: 2.0		D Brg Wid = 4.0 Min Req = 1.5 (Truss)	
Softt: 2.00	BCDL: 5.0 psf					Max TC CSI: 0.403		Members not listed have forces less than 375#	
Load Duration: 1.25	C&C Dist a: 3.00 ft					Max BC CSI: 0.489		Maximum Top Chord Forces Per Ply (lbs)	
Spacing: 24.0 "	Loc. from endwall: not in 4.50 ft					Max Web CSI: 0.109		Chords Tens.Comp. Chords Tens. Comp.	
	GCpt: 0.18							B - C	125 - 666 C - D
	WAVE								

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

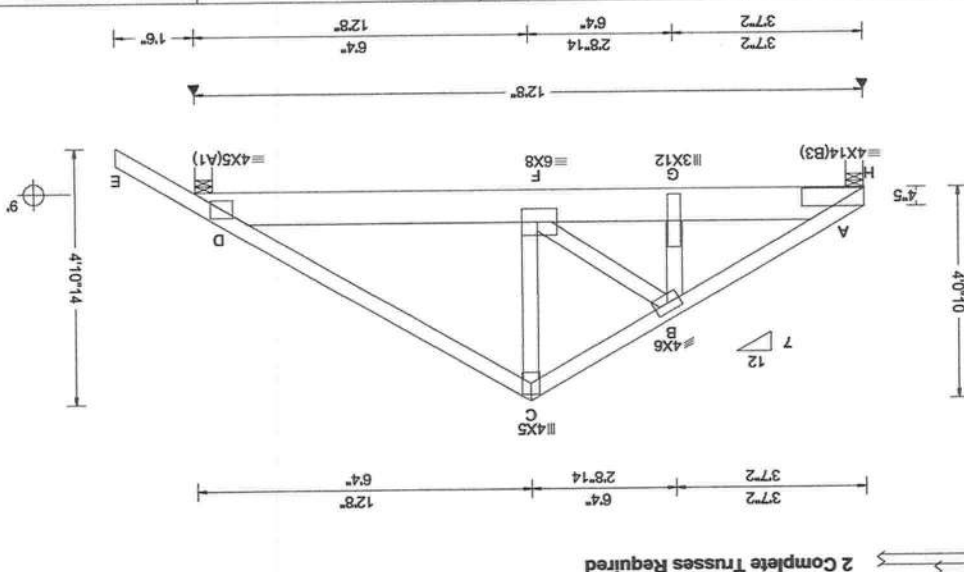
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 4'-0"-10."



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12/28/2023
COA#0-278

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Alpine, a division of TTV 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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



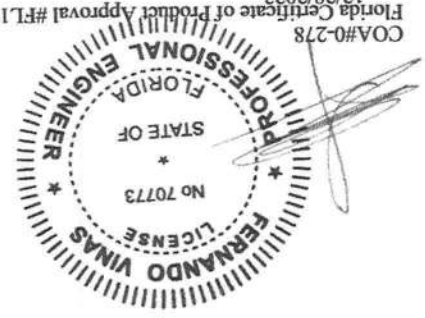
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. 1 in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
TCLL	20.00	Wind Std: ASCE 7-22		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/def L#	Loc R+ / R- / Rh	Non-Gravity
TCDL	10.00	Speed: 130 mph		Pf: NA	Cs: NA		VERT(L): 0.055 G 999 360	Loc R+ / R- / Rh	Gravity
BCLL	0.00	Enclosure: Closed		Lu: NA	Cs: NA		VERT(L): 0.109 G 999 240		
Des Ld:	40.00	Risk Category: II		Snow Duration: NA					
NCBCLL	0.00	EXP: C Kzt: NA							
Softic	2.00	Mean Height: 15.00 ft							
Load Duration:	1.25	BCDL: 5.0 psf							
Spacing: 24.0 "		TCDL: 5.0 psf							
		MMWFRS Parallel Dist 0 to h/2							
		C&C Dist a: 3.00 ft							
		Loc. from endwall: not in 9.00 ft							
		GCP: 0.18							
		Wind Duration: 1.60							

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x8 SP #400F-2.0E;
Webs: 2x4 SP #3;
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.00" 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 63 pft at -0.00 to 63 pft at 14.17
BC: From 10 pft at 0.00 to 10 pft at 12.67
BC: From 20 pft at 5.54 to 20 pft at 12.67
BC: From 5 pft at 12.67 to 5 pft at 14.17
BC: 1576 lb Conc. Load at 1.52
BC: 1453 lb Conc. Load at 3.61
BC: 3493 lb Conc. Load at 5.54

Wind
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

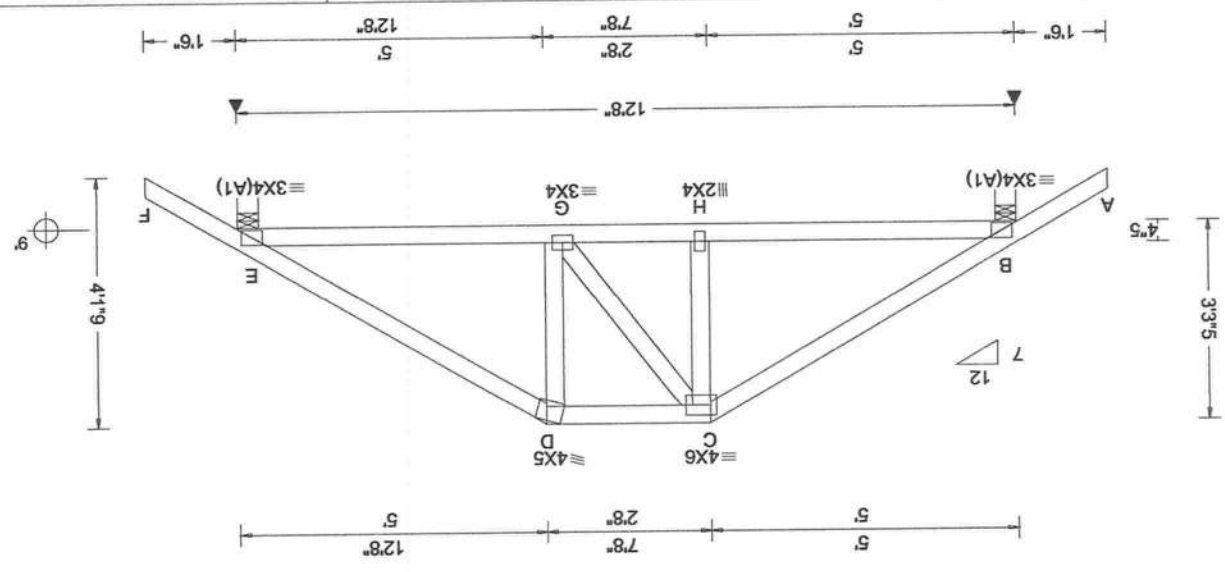
Additional Notes
The overall height of this truss excluding overhang is 4'-0"-10".



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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 ANSIT/PI 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 ANSIT/PI 1 Sec.2.
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155 Hartem Ave
North Building, 4th Floor
Glenview, IL 60025

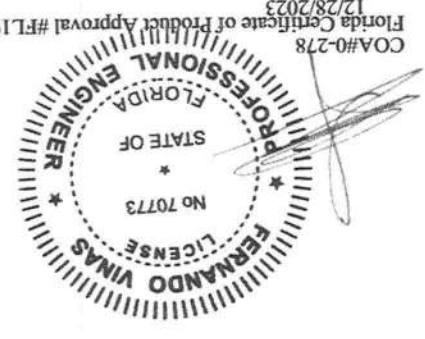
ALPINE
A TITW COMPANY



Loading Criteria (psf)		Wind Criteria		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	TCDL: 10.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	VERT(L): 0.029 H 999 360	PP Deflection in loc L/def L#	Loc R+ /R- /Rh /Rw /U /RL	Non-Gravity
BCDL: 0.00	BCLL: 0.00	Enclosure: Closed	Pf: NA Cs: NA	HORZ(L): 0.013 E -		B 1092 - / - / -	Gravity
Des Ld: 40.00	NCBCLL: 10.00	EXP: C Kzt: NA	Snow Duration: NA	HORZ(TL): 0.027 E -		E 1117 - / - / -	
Softt: 2.00	TCDL: 5.00	Mean Height: 15.00 ft	Building Code: FBC 8th Ed. 2023 Res.	Creep Factor: 2.0		B Brg Wid = 4.0 Min Reg = 1.5 (Truss)	
Load Duration: 1.25	BCDL: 5.00	C&C Dist: 3.00 ft	TP1 Std: 2014	Max TC CSI: 0.330		E Brg Wid = 4.0 Min Reg = 1.5 (Truss)	
Spacing: 24.0"	G&C Dist: 3.00 ft	Loc. from endwall: not in 4.50 ft	Rep Fac: Varies by Ld Case	Max BC CSI: 0.440		Members not listed have forces less than 375#	
	G&C Dist: 3.00 ft		Plate Type(s): FT/RT:20(0)/10(0)	Max Web CSI: 0.123		Maximum Top Chord Forces Per Ply (lbs)	
						Chords Tens.Comp. Chords Tens. Comp.	

Lumber		Special Loads		Maximum Bot Chord Forces Per Ply (lbs)	
Top chord: 2x4 SP #2:	Bot chord: 2x4 SP #2:	Web: 2x4 SP #3:	(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)	B - H 1321 -307	G - E 1291 -301
				H - G 1337 -305	
				C - D 297 -1322	D - E 384 -1603
					B - C 384 -1603

Wind	
Wind loads and reactions based on MWFRS.	
Wind loading based on both gable and hip roof types.	
Additional Notes	
The overall height of this truss excluding overhang is 3'-3.5."	

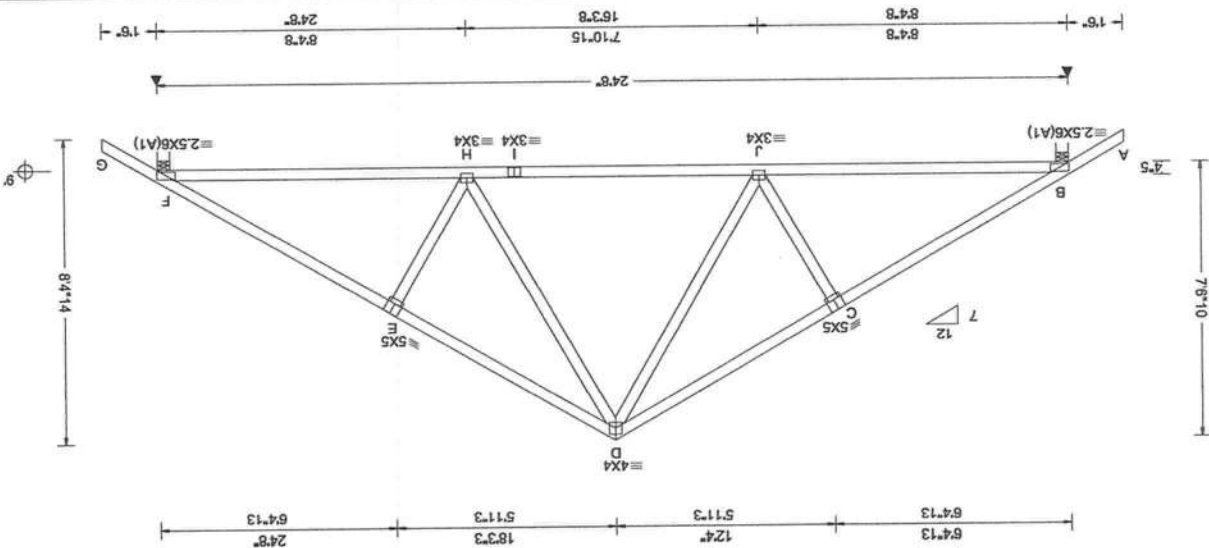


COA#0-278
Florida Certificate of Product Approval #FL1999
12/28/2023

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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 ANSIP/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 ANSIP/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcascomponents.com; ICC: iccsafe.org; AWC: awc.org



155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	TCLL	20.00	Wind Std: ASCE 7-22	Wind Criteria	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	Defl/CSI Criteria	PP Deflection in loc L/defl L/#	VERT(L): 0.061 J 999 360 VERT(CL): 0.116 J 999 240 HORIZ(L): 0.025 F - - HORIZ(TL): 0.048 F - - Creep Factor: 2.0	Max Web CSI: 0.233 Max BC CSI: 0.685 Max TC CSI: 0.364	Building Code: FBG 8th Ed. 2023 Res.	TP1 Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s):	Snow Criteria (pg.91 in PSF) Pg: NA C# NA CAT: NA Ce: NA Lu: NA Cs: NA Pt: NA P# NA	Snow Duration: NA	Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MMWFRS Parallel Dist: 0 to h/2 C&C Dist at: 3.00 ft Loc. from endwall: Any GC# 0.18 Wind Duration: 1.60	Wind Criteria	TCLL	20.00
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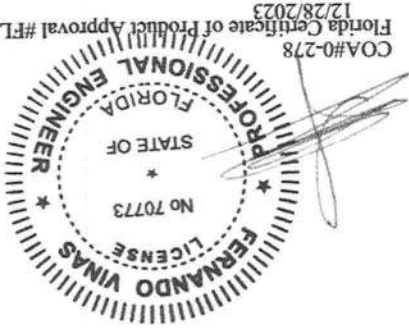
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

T-russ passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 7'-6"-10."



COA#0-7/8
Florida Certificate of Product Approval #FL1999
12/28/2023

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
****WARNING** 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 IPI and SBGA) 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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 1604-Z for standard plate positions. Refer to job's General Notes page for additional information.

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 failing to install and brace the trusses. A seal on this drawing or cover page listing in this drawing, indicates 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 these web sites: Alpine: alpineitw.com, TPI: tpiinst.org, SBGA: sbga.com/components.com, ICC: ccsafe.org, AWC: awc.org



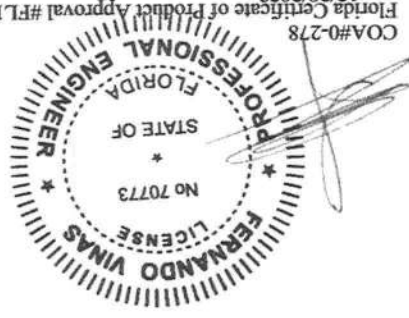


In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/248.



COA#0-278
Florida Certificate of Product Approval #FL1999
12/28/2023

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING

****IMPORTANT**** FINISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in labeling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Components Group Inc.) Engineering Manual for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, do chord shall have properly attached structural sheathing and bottom chord shall have a properly diagonal rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSP 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. Refer to Job's General Notes page for additional information.

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 ANSIT/P 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page of this drawing for any structure is the responsibility of the Building Designer per ANSIT/P 1 Sec.2.

For more information see these web sites: alpine.alpinetw.com, ipnsl.org, SBCA.sbcacomponents.com, ICC.iccsafe.org, AWC.awc.org.

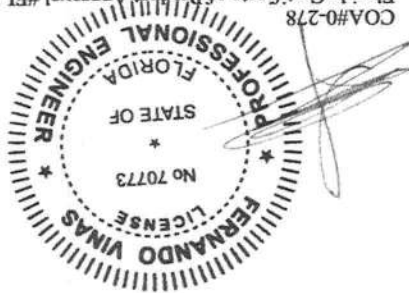
SEON: 594886	GABL	Py: 1	Qty: 1	Job Number: 23-0306	Lot 5 Rose Creek Plantation/McCormick	Truss Label: H1E	SSB / FV	12/28/2023
FROM: RFG	Dwno: 362.23.0827.37433							
Page 2 of 2	Cust: R 215 JRet: 1XVZ2150001 T45							

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNTL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface. plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

The overall height of this truss excluding overhang is 7'-2-9".



COA#0-278
12/28/2023
Florida Certificate of Product Approval #FL1999

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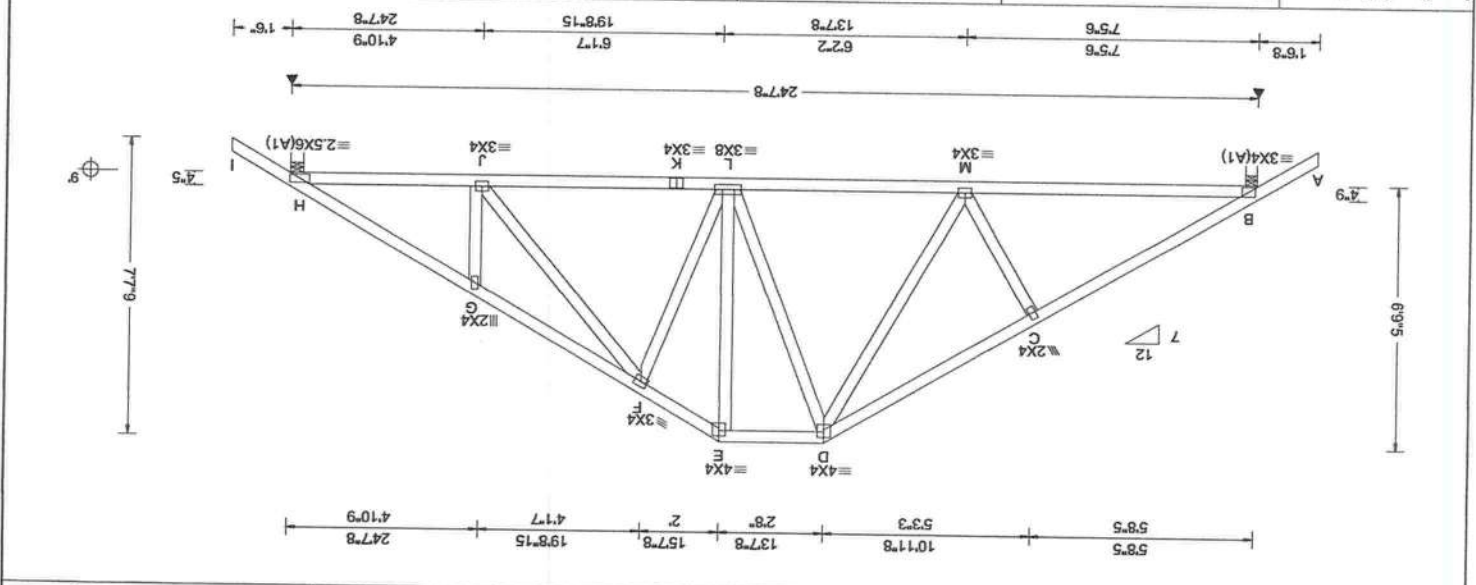
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown, top chord shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

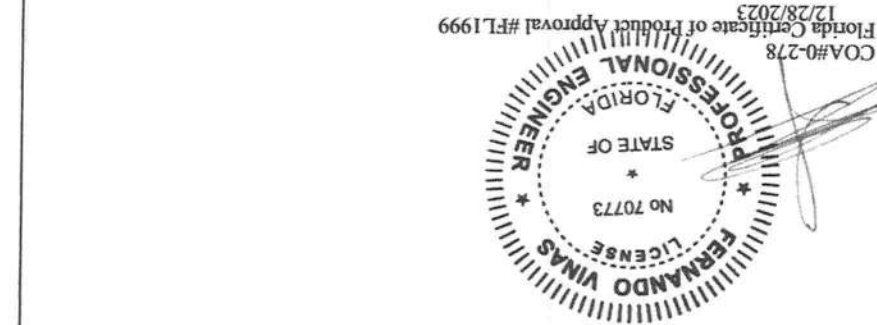


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Def/CSI Criteria		VIEW Ver. 23.02.01A.1204.18	
TCLL	20.00	Wind Std: ASCE 7-22	Speed: 130 mph	Pg: NA	Ct: NA	CAT: NA	VERT(LL): 0.051 L	999	360
BCLL	0.00	Enclosure: Closed	EXP: C	Kzt: NA	Ce: NA	Lu: NA	VERT(LL): 0.104 L	999	240
BCDL	10.00	Risk Category: II	EXP: C	Kzt: NA	Ce: NA	Lu: NA	HORZ(LL): 0.022 H	-	-
Des Ld:	40.00	Mean Height: 15.00 ft	EXP: C	Kzt: NA	Ce: NA	Lu: NA	HORZ(TL): 0.045 H	-	-
NCBCLL	10.00	TCCL: 5.0 psf	EXP: C	Kzt: NA	Ce: NA	Lu: NA	Max TC CSI: 0.306	-	-
Soffit:	2.00	BCDL: 5.0 psf	EXP: C	Kzt: NA	Ce: NA	Lu: NA	Max BC CSI: 0.520	-	-
Load Duration:	1.25	MMFRS Parallel Dist: h to 2h	EXP: C	Kzt: NA	Ce: NA	Lu: NA	Max Web CSI: 0.227	-	-
Spacing: 24.0"		C&C Dist a: 3.00 ft	EXP: C	Kzt: NA	Ce: NA	Lu: NA	Creep Factor: 2.0	-	-
		Loc. from endwall: not in 9.00 ft	EXP: C	Kzt: NA	Ce: NA	Lu: NA		-	-
		GCPI: 0.18	EXP: C	Kzt: NA	Ce: NA	Lu: NA		-	-
		Wind Duration: 1.60	EXP: C	Kzt: NA	Ce: NA	Lu: NA		-	-

Lumber		Wind		Wind loads based on MMFRS with additional C&C member design.		Additional Notes	
Top chord: 2x4 SP #2:		Wind		Wind loads based on MMFRS with additional C&C member design.		Wind loading based on both gable and hip roof types.	
Bot chord: 2x4 SP #2:		Web: 2x4 SP #3:		Wind loads based on MMFRS with additional C&C member design.		Wind loading based on both gable and hip roof types.	
				Wind loads based on MMFRS with additional C&C member design.		Wind loading based on both gable and hip roof types.	

Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
B - C	62 -1575	M - D	437 -40
C - D	96 -1416	L - E	457 -31
D - E	84 -940	F - J	412 -66

The overall height of this truss excluding overhang is 6'-9.5".



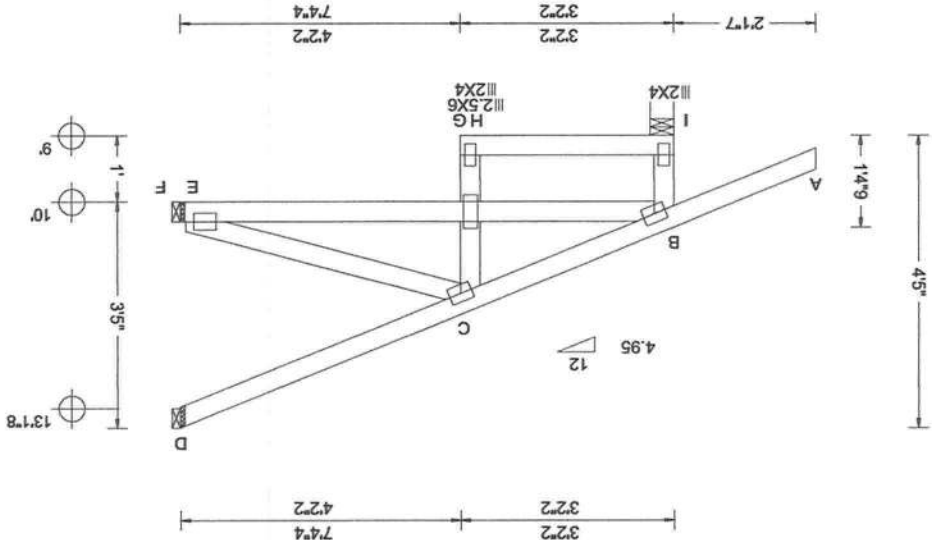
READ AND FOLLOW ALL NOTES ON THIS DRAWING
 FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
 Component Safety Information, by TPI and SBCA) for safety. Refer to and follow the latest edition of BCSI (Building
 attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral and bottom chord shall have a properly
 showing above and on the joint details. Unless noted otherwise, top chord shall have proper attached structural sheathing and bracing. Refer to and follow the latest edition of BCSI (Building
 diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10 as applicable. Apply plates to each face of truss and position as
 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the
 listing in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page
 drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER
COA#0-278
Florida Certificate of Product Approval #FL1999
12/28/2023

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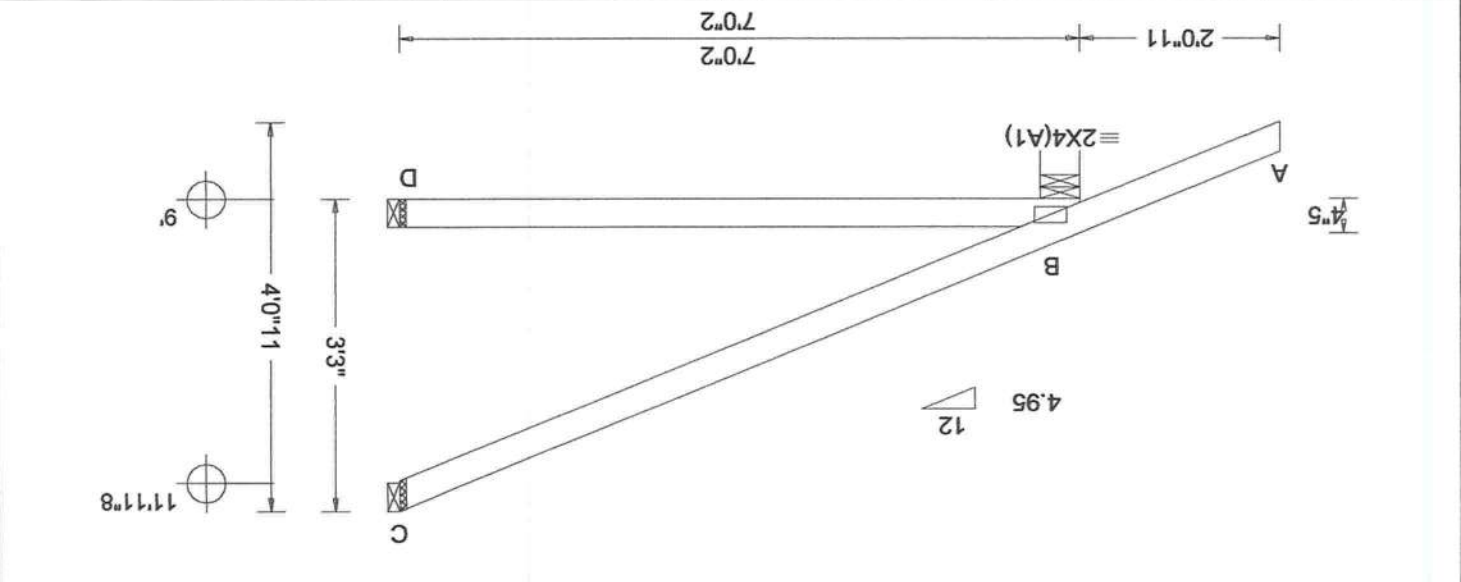
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria		Snow Criteria (pg. P in PSF)		Defl/CSI Criteria		A Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Duration: 1.50	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	PP Deflection in loc L/def L/#	VERT(LL): 0.010 G 999 360	Loc R+ / R- / Rh / Rw / U / RL	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Enclosure: Closed	Enclosure: Closed	Pi: NA	Cs: NA	VERT(UL): 0.021 G 999 240	VERT(UL): 0.007 F -	I 325 - / -	Gravity
BCDL: 10.00	Risk Category: II	EXP: C Kzt NA	Risk Category: II	Lt: NA	Cs: NA	HORZ(UL): 0.007 F -	HORZ(UL): 0.007 F -	E 200 - / -	Gravity
BCDL: 10.00	Mean Height: 15.00 ft	TCDL: 5.0 psf	Mean Height: 15.00 ft	Building Code: FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	HORZ(TL): 0.014 F -	HORZ(TL): 0.014 F -	D 57 - / -	Gravity
NCBCLL: 10.00	BCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2	BCDL: 5.0 psf	TP1 Std: 2014	Max TC CSI: 0.413	Max BC CSI: 0.408	Max BC CSI: 0.408	E Brg Wid = 1.5 Min Req = -	Gravity
Soffit: 2.00	C&C Dist: 3.00 ft	Loc. from endwall: not in 4.50 ft	C&C Dist: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.216	Max Web CSI: 0.216	Max Web CSI: 0.216	D Brg Wid = 1.5 Min Req = -	Gravity
Load Duration: 1.25	Spacing: 24.0 "	GCPI: 0.18	GCPI: 0.18	VIEW Ver: 23.02.01A-1204.18					Gravity

Lumber		Top chord: 2x4 SP #2;		Bot chord: 2x4 SP #2;		Webs: 2x4 SP #3;	
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)							
TC: From	1 pft at	-2.18 to	62 pft at	0.00	TC: From	2 pft at	7.35
BC: From	0 pft at	-2.18 to	4 pft at	0.00	BC: From	2 pft at	7.35
TC: From	2 pft at	0.00 to	2 pft at	7.35	TC: From	2 pft at	7.35
BC: From	2 pft at	0.00 to	2 pft at	7.35	BC: From	2 pft at	7.35
TC: 49 lb Conc. Load at	1.72				TC: 217 lb Conc. Load at	4.55	
BC: 73 lb Conc. Load at	1.72				BC: 140 lb Conc. Load at	4.55	
Plating Notes							
All plates are 3/4" except as noted.							

B - C	178 - 548	Maximum Bot Chord Forces Per Ply (lbs)		Chords Tens.Comp.		H - F	492 - 151
B - H	506 - 147	Maximum Web Forces Per Ply (lbs)		Webs Tens.Comp.		C - F	159 - 518



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Defl/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	Pf: NA	Cs: NA	Lu: NA	Creep Factor: 2.0	Max Web CSI: 0.000
TCDL: 10.00	Speed: 130 mph	Enclosure: Closed	EXP: C	Kzt: NA	VERT(LL): NA	VERT(CL): NA	VERT(UL): NA	Max TC CSI: 0.532	Max BC CSI: 0.491
BCDL: 0.00									
BCDL: 10.00									
NCBCLL: 10.00									
Soffit: 2.00									
Load Duration: 1.25									
Spacing: 24.0"									

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Special Loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 1 pft at -2.12 to 62 pft at 0.00
TC: From 2 pft at 0.00 to 2 pft at 7.01
BC: From 0 pft at 0.00 to 4 pft at 0.00
TC: -47 lb Conc. Load at 1.38
TC: 124 lb Conc. Load at 4.21
BC: 8 lb Conc. Load at 1.38
BC: 98 lb Conc. Load at 4.21
Wind
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 3-3-0.



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****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

COA#0-278

ADDITIONAL NOTES

Wind loads and reactions based on MWFRS.

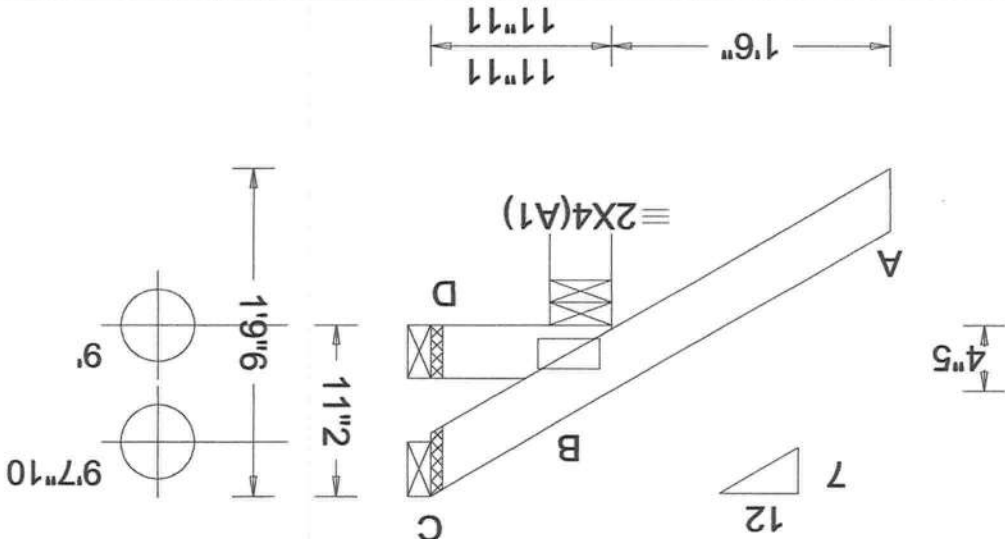
PUIM

operational means

Findings

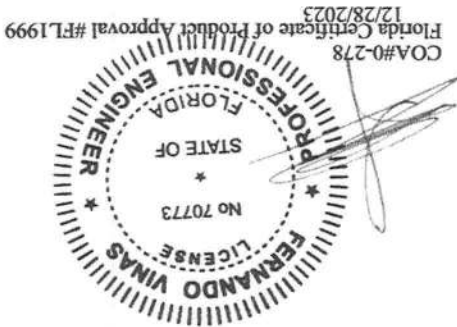
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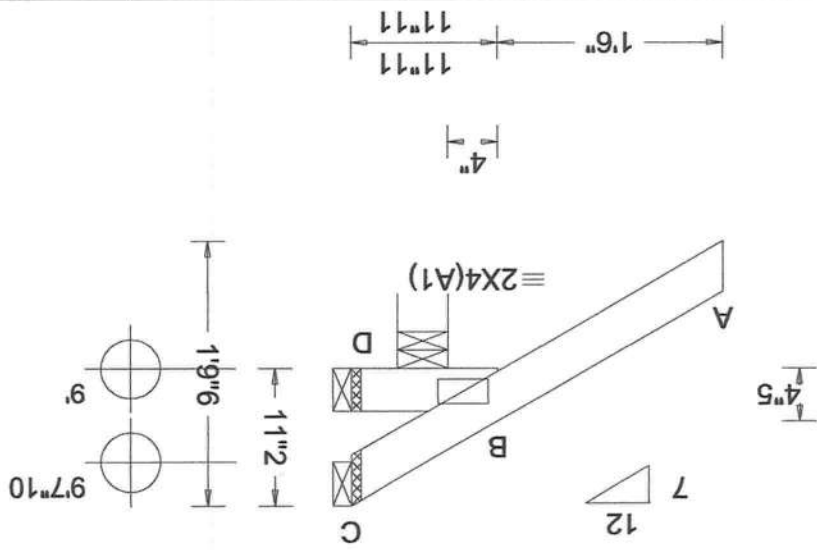


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Defl/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Sid: ASCE 7-22	Pg: NA	Ct NA	CAT: NA	Ce: NA	VERT(LL): NA	VERT(UL): NA	PP Deflection in Loc L/dell L/#	
TCDL: 10.00	Speed: 130 mph	Pi: NA	Cs: NA			HORZ(LL): -0.000 B	HORZ(UL): 0.001 B	Creep Factor: 2.0	
BCDL: 10.00	Enclosure: Closed	Lv: NA				Max TC CSI: 0.163	Max BC CSI: 0.022	Max Web CSI: 0.000	
NCBCLL: 10.00	Risk Category: II	Building Code: FBC 8th Ed. 2023 Res.							
BCDL: 40.00	EXP: C Kzt: NA	TP1 Std: 2014							
Des Ld: 40.00	Mean Height: 15.00 ft	Rep Fac: No							
Soffit: 2.00	TCDL: 5.0 psf	Plate Type(s): FT/RT:20(0)/10(0)							
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2								
Spacing: 24.0 "	C&C Dist a: 3.00 ft								
	GCPI: 0.18								
	Wind Duration: 1.50								

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 0-11-2.



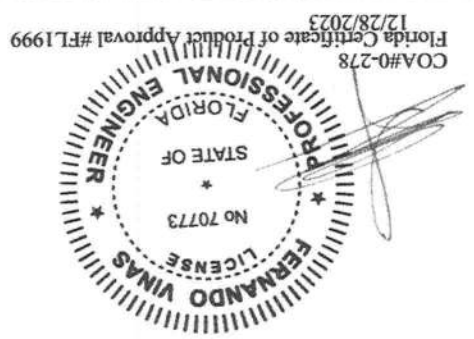
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING**
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, 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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Def/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res.	Pg: NA	Ct: NA	PP Deflection in loc L/def L/#	Creep Factor: 2.0	Max Web CSI: 0.000	Max BC CSI: 0.208
TCDL: 10.00	Speed: 130 mph	GCPI: 0.18	FT/RT: 20(0)/10(0)	Pf: NA	Cs: NA	VERT(LL): NA	Creep Factor: 2.0	Max TC CSI: 0.163	Max TC CSI: 0.163
BCLL: 0.00	Enclosure: Closed	Loc. from endwall: Any	Rep Fac: Yes	Lu: NA	Cs: NA	VERT(CL): NA	Creep Factor: 2.0	Max BC CSI: 0.208	Max BC CSI: 0.208
BCDL: 10.00	Risk Category: II	C&C Dist a: 3.00 ft	TPI Std: 2014	Pf: NA	Cs: NA	HORZ(LL): -0.004 C	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
NCBCLL: 10.00	EXP: C Kzt: NA	MMWFRS Parallel Dist: 0 to h/2	Plate Type(s):	Lu: NA	Cs: NA	HORZ(TL): 0.008 C	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Sofft: 2.00	BCDL: 5.0 psf	Mean Height 15.00 ft		Lu: NA	Cs: NA	VERT(TL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Load Duration: 1.25	TCDL: 5.0 psf	GCPI: 0.18		Lu: NA	Cs: NA	VERT(CL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Spacing: 24.0 "	BCDL: 5.0 psf	Loc. from endwall: Any		Lu: NA	Cs: NA	VERT(TL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Des Ld: 40.00	EXP: C Kzt: NA	GCPI: 0.18		Lu: NA	Cs: NA	VERT(CL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
NCBCLL: 10.00	EXP: C Kzt: NA	GCPI: 0.18		Lu: NA	Cs: NA	VERT(TL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Sofft: 2.00	EXP: C Kzt: NA	GCPI: 0.18		Lu: NA	Cs: NA	VERT(CL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Load Duration: 1.25	EXP: C Kzt: NA	GCPI: 0.18		Lu: NA	Cs: NA	VERT(TL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163
Spacing: 24.0 "	EXP: C Kzt: NA	GCPI: 0.18		Lu: NA	Cs: NA	VERT(CL): NA	Creep Factor: 2.0	Max Web CSI: 0.000	Max TC CSI: 0.163

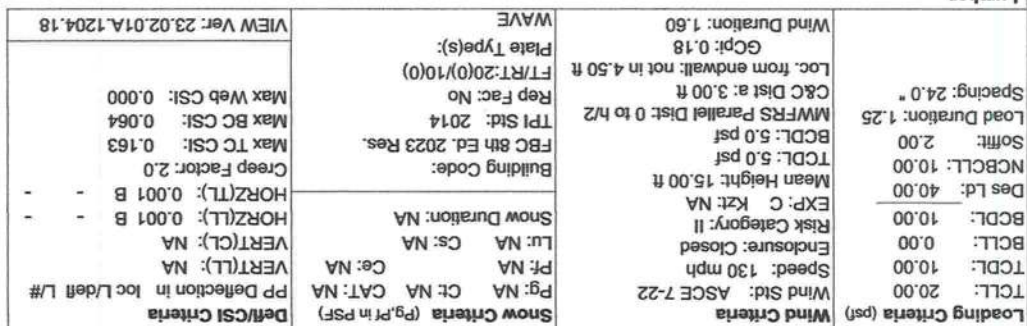
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind
Wind loads based on MMWFRS with additional C&C member design.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.
Additional Notes
Negative reaction(s) of -226# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 0-11-2.



IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Read and follow all notes on this drawing.
Trusses require extreme care in locating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBGA) 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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.
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.
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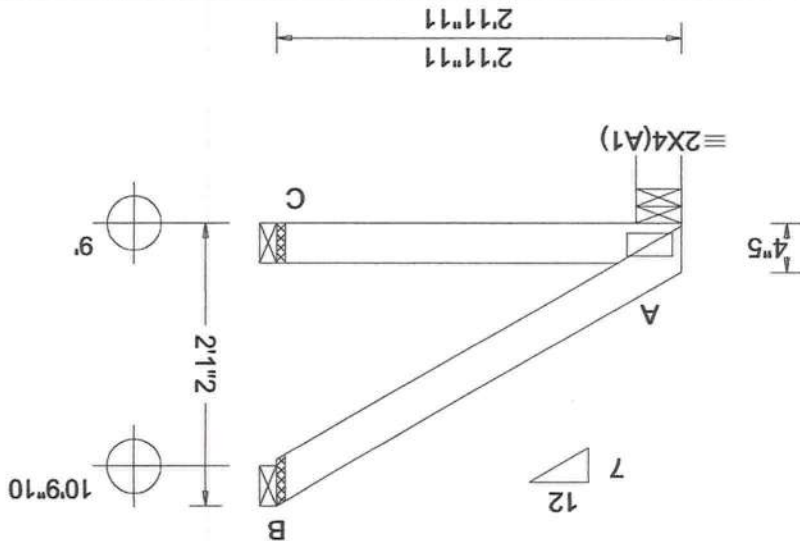




Additional Notes
The overall height of this truss excluding overhang is 2'-1 1/2".

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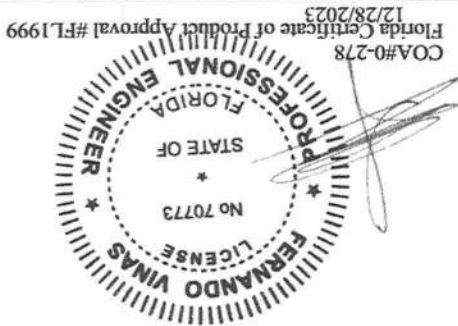
For more information see these web sites: [Alpine: alpine.net](http://www.alpine.net), [TPI: tpi.org](http://www.tpi.org), [SBCA: sbcas.com](http://www.sbcas.com), [ICCS: iccsafe.org](http://www.iccsafe.org), [AWC: awc.org](http://www.awc.org)



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. 91 in PSF)		Def/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCCL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	Ce: NA	VERT(L): NA	Loc R+ / R- / Rh / Rw / U / RL	Non-Gravity	Gravity	Max Web CSI: 0.000	Members not listed have forces less than 375#
TCCL: 10.00	Speed: 130 mph	Pf: NA	Lt: NA Cs: NA	VERT(CL): NA				Max BC CSI: 0.079	
BCCL: 0.00	Enclosure: Closed							Max TC CSI: 0.115	
BCCL: 10.00	EXP: C Kzt: NA							Creep Factor: 2.0	
Des Ld: 40.00	Mean Height: 15.00 ft							HORZ(TL): 0.003 A	
NCBCLL: 10.00	TCCL: 5.0 psf							HORZ(CL): 0.001 A	
Soffit: 2.00	BCDL: 5.0 psf								
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2								
Spacing: 24.0 "	C&C Dist a: 3.00 ft								
	GCPI: 0.18								
	Wind Duration: 1.50								

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 2-1-2.



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Tresses require extreme care in labeling, 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, per chord shall have properly attached structural sheathing and bottom chord shall have a properly diagonal bracing installed on the chord. The following information for minimum lateral bracing of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing 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, unless noted otherwise.

Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the drawing in conformance with ANSI/TPI-1, or for handling, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility per ANSI/TPI-1 Section 2.

For more information see these web sites: Alpine: alpinetw.com, TPI: tpiinst.org, SBCA: sbccomponents.com, ICC: icsafe.org, AWC: awc.org.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING! ELIMINATE THIS DRAWING TO ALL CONTRACTORS INCLUDING

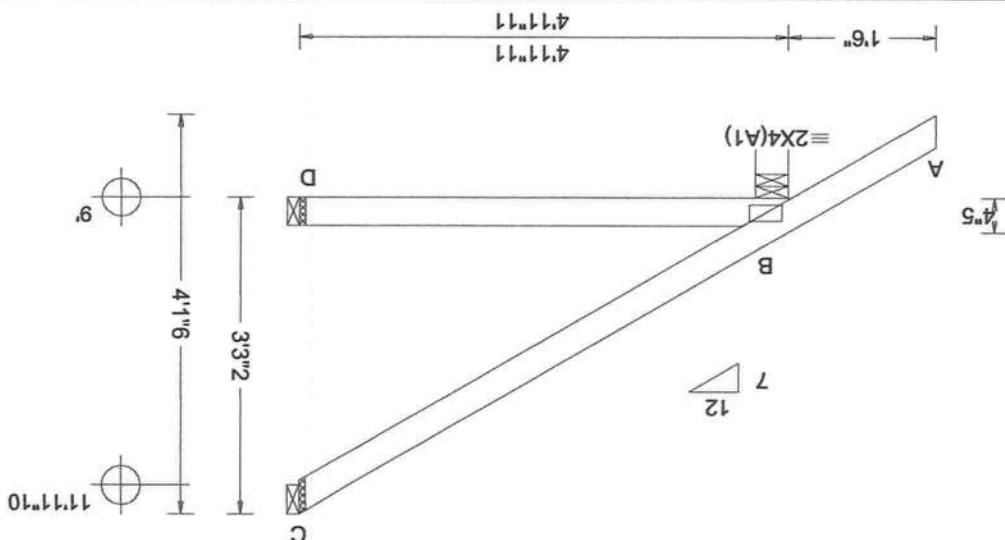
COA#0-278
Florida Certificate of Product Approval #FL1999
12/28/2023

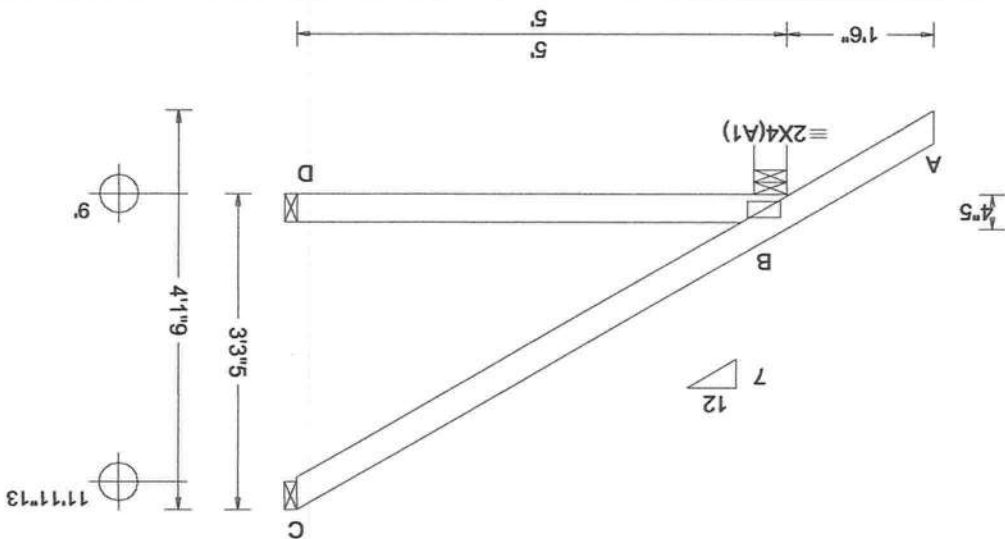


Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 3-3-2.

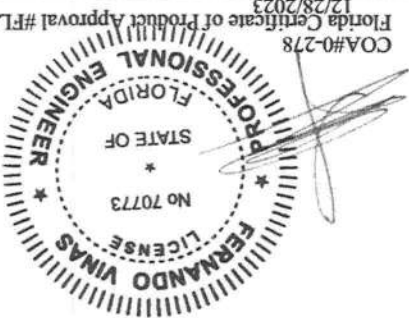
Lumber

[illegible]



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Def/CSI Criteria		VIEW Ver: 23.02.01A.1204.18	
TCLL: 20.00	Wind Std: ASCE 7-22	Wind Duration: 1.50	Loc. from endwall: not in 4.50 ft	Pg: NA	Ct: NA	CAT: NA	Ce: NA	Max Web CSI: 0.000	Max BC CSI: 0.237
TCDL: 10.00	Speed: 130 mph	Gcpl: 0.18		Pf: NA	Cs: NA			Max TC CSI: 0.319	
BCLL: 0.00	Enclosure: Closed	BCDL: 5.0 psf	C&C Dist a: 3.00 ft	Building Code: FBC 8th Ed. 2023 Res.	TP1 Std: 2014	Rep Fac: Yes	Plate Type(s): FT/RT:20(0)/10(0)	Creep Factor: 2.0	Max BC CSI: 0.237
NCBCLL: 10.00	Mean Height: 15.00 ft	BCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2						
Soffit: 2.00									
Load Duration: 1.25									
Spacing: 24.0 "									

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Additional Notes
The overall height of this truss excluding overhang is 3-3-5.



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