

PERMIT
000026657

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

08-0049

Corporate Warranty Deed

This Indenture, made , January 4, 2008 A.D.

Between

Martin Home Builders, Inc. whose post office address is: 359 Hamlet Circle, Lake City, Florida 32024 a corporation existing under the laws of the State of Florida, Grantor and ^{Single P.O.} ~~Dion Taylor, a married man~~ whose post office address is: P.O. Box 3311, Lake City, Florida 32056, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

Lot 28 , ROLLING MEADOWS, according to the plat thereof, recorded in Plat Book 8, Page(s) 45 and 46 of the Public Records of Columbia County, Florida.

The above described property does not constitute the homestead property of the Grantor described herein.

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number: 03023-528

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

And the said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

Martin Home Builders, Inc.

By: Bennett G. Martin
Bennett G. Martin
Its: President

Signed and Sealed in Our Presence:

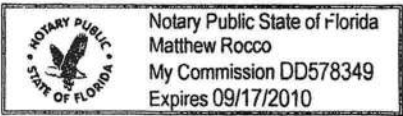
Matthew D. Rocco
Witness Print Name: Matthew D. Rocco

Melinda Weaver
Witness Print Name: MELINDA WEAVER

(Corporate Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 4th day of January, 2008, by Bennett G. Martin, the President of Martin Home Builders, Inc. A corporation existing under the laws of the State of Florida, on behalf of the corporation. He/She is personally known to me or has produced _____ as identification.



(Seal)
Notary Public
Notary Printed Name: _____
My Commission Expires:: _____

Prepared by & Return to:
Matt Rocco
Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025
File Number: 07-0428

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE- AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) SHALL BE USED.

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

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

GENERAL REQUIREMENTS:

- Two (2) complete sets of plans containing the following:
- All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- 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 per FBC 106.1.

Site Plan information including:

- Dimensions of lot or parcel of land
- Dimensions of all building set backs
- Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- Plans or specifications must meet state compliance with FRC Chapter 3
- The following information must be shown as per section FRC
- Basic wind speed (3-second gust), miles per hour
- Wind importance factor and nature of occupancy
- Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifiably designed by the registered design professional.

Elevations Drawing including:

- All side views of the structure
- Roof pitch
- Overhang dimensions and detail with attic ventilation
- Location, size and height above roof of chimneys
- Location and size of skylights with Florida Product Approval
- Number of stories
- e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- All exterior and interior shear walls indicated
- Shear wall opening shown (Windows, Doors and Garage doors)
- Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

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

Foundation Plans Per FRC 403:

- a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing value of soil _____ (psf)
- e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

- 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

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

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

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

Floor Framing System: First and/or second story

- Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- Girder type, size and spacing to load bearing walls, stem wall and/or piers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- 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.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

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

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

- 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.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- 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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is \$50.00.
- 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. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 208 SW Poppy Gln

Project Name: Dron Taylor

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	M.I Home Products	Ext Doors	FL 18
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
Garage	Holmes	Garage Doors	FL 695
B. WINDOWS			
1. Single hung	M.I Home Products	Aluminum window	FL 663
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Heritage	Shingles	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did 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) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Location

02/02/04 – 2 of 2

Website:

Print Name

Date

Permit # (FOR STAFF USE ONLY)

Effective April 1, 2004

FORM 600C-01

Small Additions, Renovations & Building Systems

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Residential Limited Applications Prescriptive Method C

NORTH 1 2 3

Compliance with Method C of Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600C-01 for additions of 600 square feet or less, site-installed components of manufactured homes, and renovations to single and multifamily residences. Alternative methods are provided for additions by use of Form 600B-01 or 600A-01.

PROJECT NAME: AND ADDRESS:	Dion Taylor 208 SW Poppy Glen	BUILDER: PERMITTING OFFICE:	CLIMATE ZONE:
OWNER:	Dion Taylor	PERMIT NO.:	JURISDICTION NO.:
		26657	22 1000

SMALL ADDITIONS TO EXISTING RESIDENCES (600 Square feet or less of conditioned area). Prescriptive requirements in Tables 6C-1, 6C-2 and 6C-3 apply only to the components of the addition, not to the existing building. Space heating, cooling, and water heating equipment efficiency levels must be met only when equipment is installed specifically to serve the addition or is being installed in conjunction with the addition construction. Components separating unconditioned spaces from conditioned spaces must meet the prescribed minimum insulation levels. RENOVATIONS (Residential buildings undergoing renovations costing more than 30% of the assessed value of the building). Prescriptive requirements in Tables 6C-1 and 6C-2 apply only to the components and equipment being renovated or replaced. MANUFACTURED HOMES AND BUILDINGS. Only site-installed components and features are covered by this form. BUILDING SYSTEMS Comply when complete new system is installed.

1. Renovation, Addition, New System or Manufactured Home

2. Single family detached or Multifamily attached

3. If Multifamily—No. of units covered by this submission

4. Conditioned floor area (sq. ft.)

5. Predominant eave overhang (ft.)

6. Glass area and type:

- a. Clear glass
- b. Tint, film or solar screen

7. Percentage of glass to floor area

8. Floor type and insulation:

- a. Slab-on-grade (R-value)
- b. Wood, raised (R-value)
- c. Wood, common (R-value)
- d. Concrete, raised (R-value)
- e. Concrete, common (R-value)

9. Wall type and insulation:

- a. Exterior:
 - 1. Masonry (Insulation R-value)
 - 2. Wood frame (Insulation R-value)
- b. Adjacent:
 - 1. Masonry (Insulation R-value)
 - 2. Wood frame (Insulation R-value)
- c. Marriage Walls of Multiple Units* (Yes/No)

10. Ceiling type and insulation:

- a. Under attic (Insulation R-value)
- b. Single assembly (Insulation R-value)

11. Cooling system*

(Types: central, room unit, package terminal A.C., gas, existing, none)

12. Heating system*: (Types: heat pump, elec. strip, natural gas, L.P. gas, gas h.p., room or PTAC, existing, none)

13. Air Distribution System*:

- a. Backflow damper or single package systems* (Yes/No)
- b. Ducts on marriage walls adequately sealed* (Yes/No)

14. Hot water system:

(Types: elec., natural gas, other, existing, none)

Please Print

CK

1.	N	
2.	S	
3.		
4.	2221	
5.	2 FT	
	Single Pane	Double Pane
6a.	sq. ft.	189 sq. ft.
6b.	sq. ft.	sq. ft.
7.	9 %	
8a.	R=	lin. ft.
8b.	R=	sq. ft.
8c.	R=	sq. ft.
8d.	R=	sq. ft.
8e.	R=	sq. ft.
9a-1	R=	sq. ft.
9a-2	R= 13	282 sq. ft.
9b-1	R=	sq. ft.
9b-2	R=	sq. ft.
9c		
10a.	R= 30	2221 sq. ft.
10b.	R=	sq. ft.
11.	Type: HP	
	SEER/EER: 13	
12.	Type: HP	
	HSPF/COP/AFUE:	
13a.		
13b.	Ducts	
14.	Type: Electric	
	EF: 98	

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

PREPARED BY: Dion Taylor DATE: 1-14-08
I hereby certify that this building is in compliance with the Florida Energy Code.

OWNER AGENT: _____ DATE: _____

Review of plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

TABLE 6C-1: PRESCRIPTIVE REQUIREMENTS FOR SMALL ADDITIONS (600 Sq. Ft. and Less), RENOVATIONS TO EXISTING BUILDINGS AND SITE-INSTALLED COMPONENTS OF MANUFACTURED HOMES.

COMPONENT		MINIMUM INSULATION	INSULATION INSTALLED	EQUIPMENT		MINIMUM EFFICIENCY	INSTALLED EFFICIENCY
WALLS	Concrete Block	R-7	13	COOLING	Central A/C - Split	SEER = 10.0	SEER = 13
	Frame, 2' x 4'	R-11			-Single Pkg.	SEER = 9.7	SEER =
	Frame, 2' x 6'	R-19			Room unit or PTAC	EER = 8.5*	EER =
	Common, Frame	R-11					
	Common, Masonry	R-3					
CEILINGS	Under Attic	R-30	30	SPACE HEATING	Electric Resistance	ANY	
	Single Assembly; Enclosed				Heat pump - Split	HSPF = 6.8	HSPF = 6.8
	Frame	R-19			- Single Pkg.	HSPF = 6.6	HSPF =
	Metal Pans	R-13			Room unit or PTHP	COP = 2.7*	HSPF/ COP =
	Single Assembly; Open	R-10			Gas, natural or propane	AFUE = .78	AFUE =
FLOORS	Common, Frame	R-11		Fuel Oil	AFUE = .78	AFUE =	
	Slab-on-grade	No Minimum	NM	HOT WATER	Electric Resistance	EF = .88	EF = 98
	Raised Wood	R-19			Gas; Natural or L.P.	EF = .54	EF =
	Raised Concrete	R-7			Fuel Oil	EF = .54	EF =
	Common, Frame	R-11					
DUCT	In unconditioned space	R-6			R-6		
	In conditioned space	No minimum					

* See Table 6-3, 6-7

TABLE 6C-2: PRESCRIPTIVE REQUIREMENTS FOR GLASS AREAS IN ADDITIONS ONLY

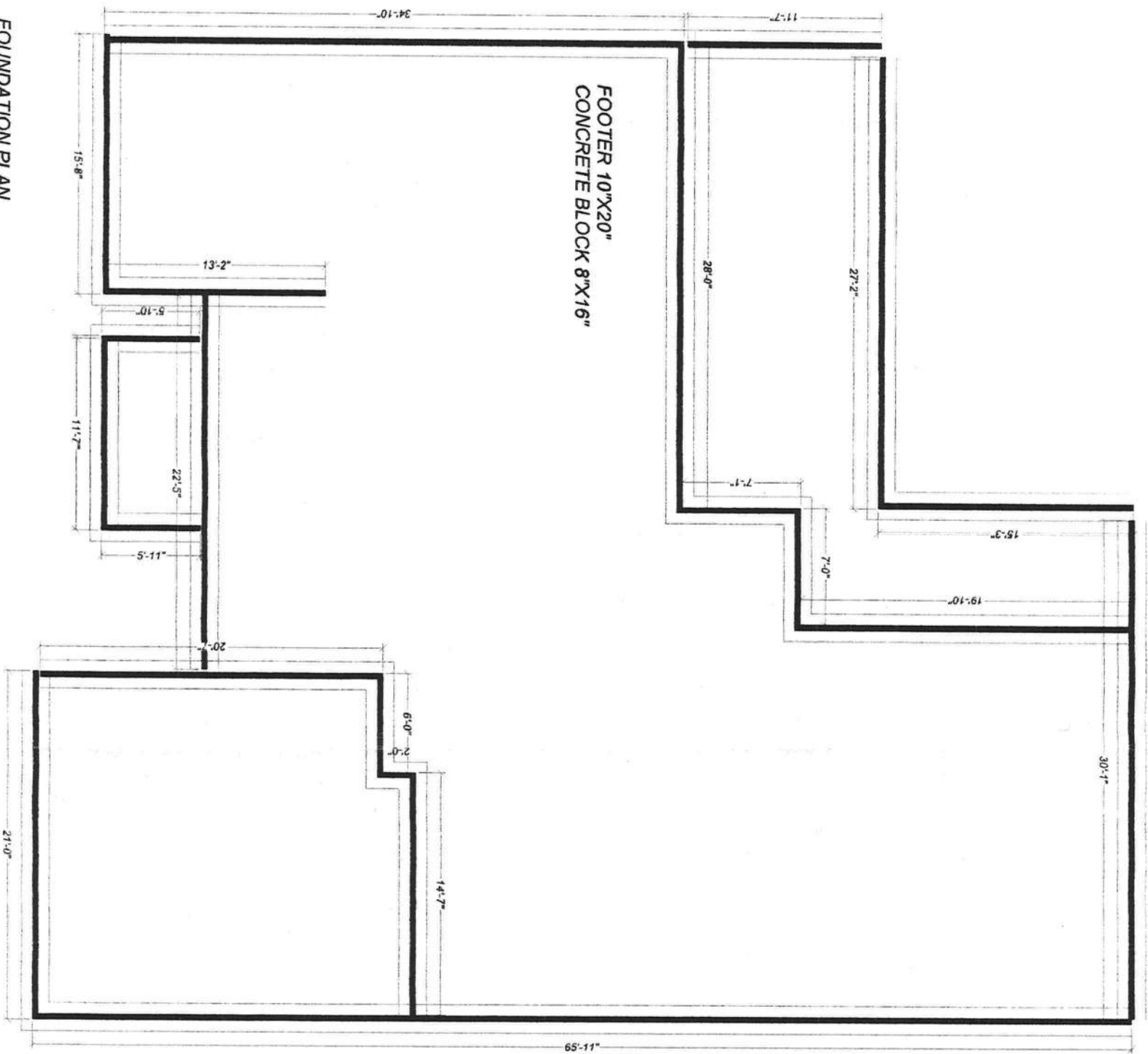
Maximum percentage glass to floor area allowed is selected by type, overhang length, and solar heat gain coefficient. Maximum% = Installed % =							
GLASS TYPE, OVERHANG, AND SOLAR HEAT GAIN COEFFICIENT REQUIRED FOR GLASS PERCENTAGE ALLOWED							
UP TO 20%		UP TO 30%		UP TO 40%		UP TO 50%	
Single	Double	Single	Double	Single	Double	Single	Double
OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC
1' - .87 0' - .75	0' - .78	2' - .87 1' - .75 0' - .57	1' - .78 0' - .61	NOT ALLOWED	2' - .78 1' - .61 0' - .44	NOT ALLOWED	3' - .78 2' - .61 1' - .44 0' - .35
Get certified SHGC from the manufacturer or use defaults: Single clear SHGC = .87, double clear SHGC = .78, and single tint SHGC = .75							

TABLE 6C-3 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max. 0.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	✓
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	✓
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Combustion Heating	606.1	Combustion space and water heating systems must be provided with outside combustion air, except for direct vent appliances.	✓
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	✓
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	✓
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
HVAC Duct Construction, Insulation & Installation	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section 610.1. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

GENERAL DIRECTIONS:

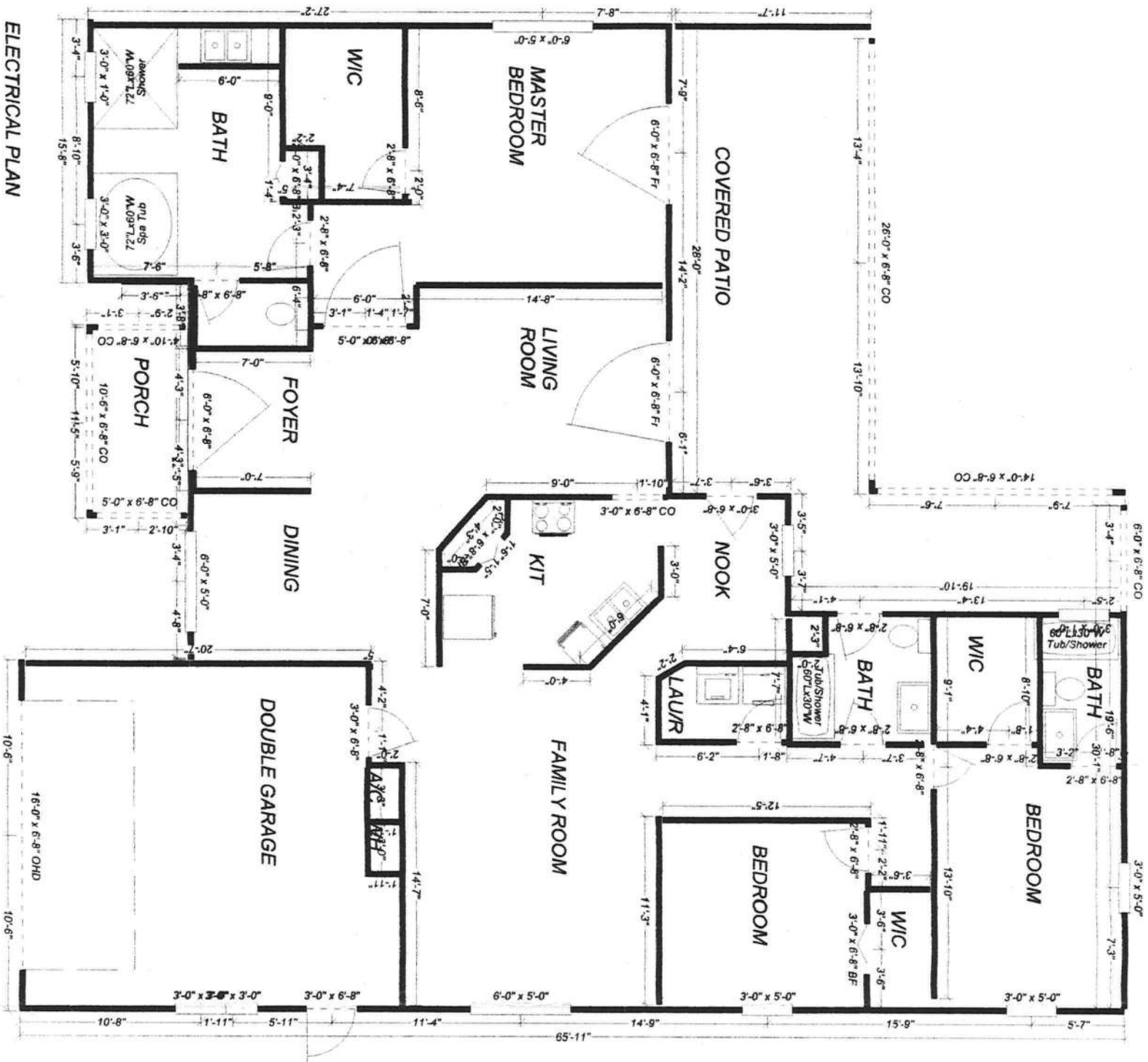
- On Table 6C-1 indicate the R-value of the insulation being added to each component and the efficiency levels of the equipment being installed. All R-values and efficiencies installed must meet or exceed the minimum values listed. Components and equipment neither being added nor renovated may be left blank.
- ADDITIONS ONLY. Determine the percentage of new glass to conditioned floor area in the addition as follows. Total the areas of all glass windows, sliding glass doors and glass door panels. Double the area of all non-vertical roof glass area total by the conditioned floor area of the addition. Multiply by 100 to get the percent. Find the largest glass percentage under which your calculated percentage falls on Table 6C-2. Prescriptives are given by the type of glass (Single or Double pane) and the overhang (OH) paired with a solar heat gain coefficient (SHGC). For a given glass type and overhang, the minimum solar heat gain coefficient allowed is specified. Actual glass windows and doors previously in the exterior walls of the house and being reinstalled in the addition do not have to comply with the overhang and solar heat gain coefficient requirements on Table 6C-2. All new glass in the addition must meet the requirement for one of the options in the glass percentage category you indicated. The overhang (OH) distance is measured perpendicularly from the face of the glass to a point directly under the outermost edge of the overhang.
- RENOVATIONS ONLY. Replacement glass needs to meet the following requirements. Any glass type and solar heat gain coefficient may be used for glass areas which are under at least a two foot overhang and whose lowest edge does not extend further than 8 feet from the overhang. Glass areas being renovated that do not meet this criteria must be either single-pane tinted, double-pane clear or double-pane tinted.
- BUILDING SYSTEMS. Comply when new system is installed for system installed.
- Complete the information requested on the top half of page 1.
- Read "Minimum Requirements for Small Additions and Renovations", Table 6C-3, and check all applicable items.
- Read, sign and date the "Owner/Agent" certification statement on page 1



DION TAYLOR
208 SW POPPY GLEN

DESIGNER DION
TAYLOR

FOUNDATION PLAN
SCALE 1/4" = 1'



DION TAYLOR
208 SW POPPY GLEN

DESIGNER DION TAYLOR
200 AMP UNDERGROUND
SERVICE
GFCI IN BATHROOMS AND
KITCHEN
W/P GFCI ON OUTSIDE OF
HOUSE

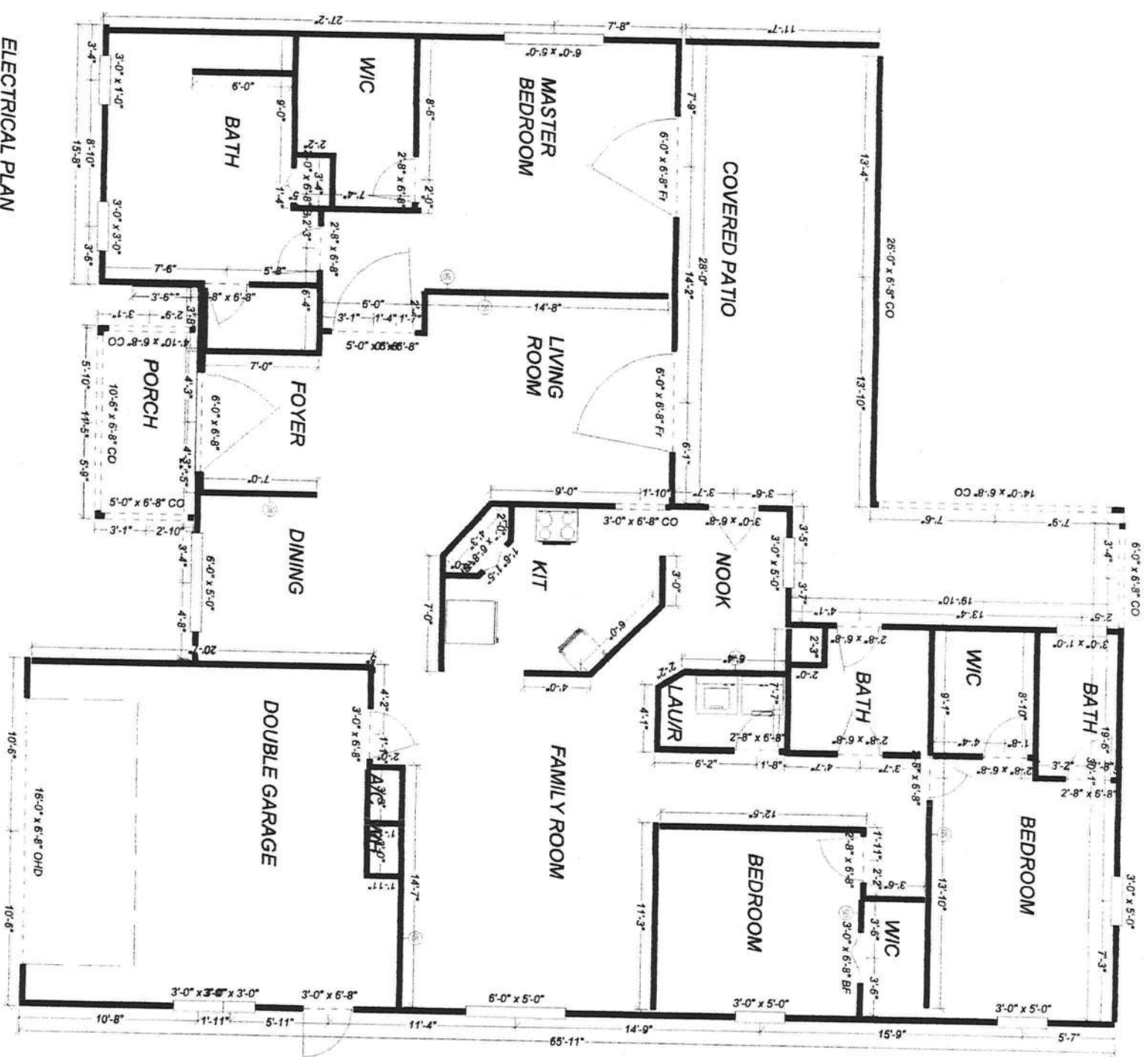
ELECTRICAL PLAN

LIVING	2221
GARAGE	492
COVER PATIO	441
PORCH	60
TOTAL	3214

MAIN FLOOR PLAN

The main floor plan features a large **DOUBLE GARAGE** (16'-0" x 6'-8" OHD) on the left side. The central area includes a **LIVING ROOM** (14'-8" x 14'-2") with a fireplace, a **KITCHEN** (10'-0" x 10'-0") with a breakfast nook, and a **DINING** area. A **COVERED PATIO** (28'-0" x 14'-2") is located at the rear. The right side of the plan contains two **BEDROOM**s (11'-3" x 11'-3" and 11'-3" x 11'-3"), a **BATH** (5'-0" x 5'-0"), and a **FAMILY ROOM** (11'-3" x 11'-3"). A **MASTER BEDROOM** (11'-3" x 11'-3") is also present, along with a **WIC** (Wardrobe Closet) and a **BATH** (5'-0" x 5'-0"). The plan includes numerous dimensions for rooms and overall exterior measurements.

LIVING	2221
GARAGE	492
COVER PATIO	441
PORCH	60
TOTAL	3214



ELECTRICAL PLAN
SCALE 1/4" = 1'

LIVING	2221
GARAGE	492
COVER PATIO	441
PORCH	60
TOTAL	3214

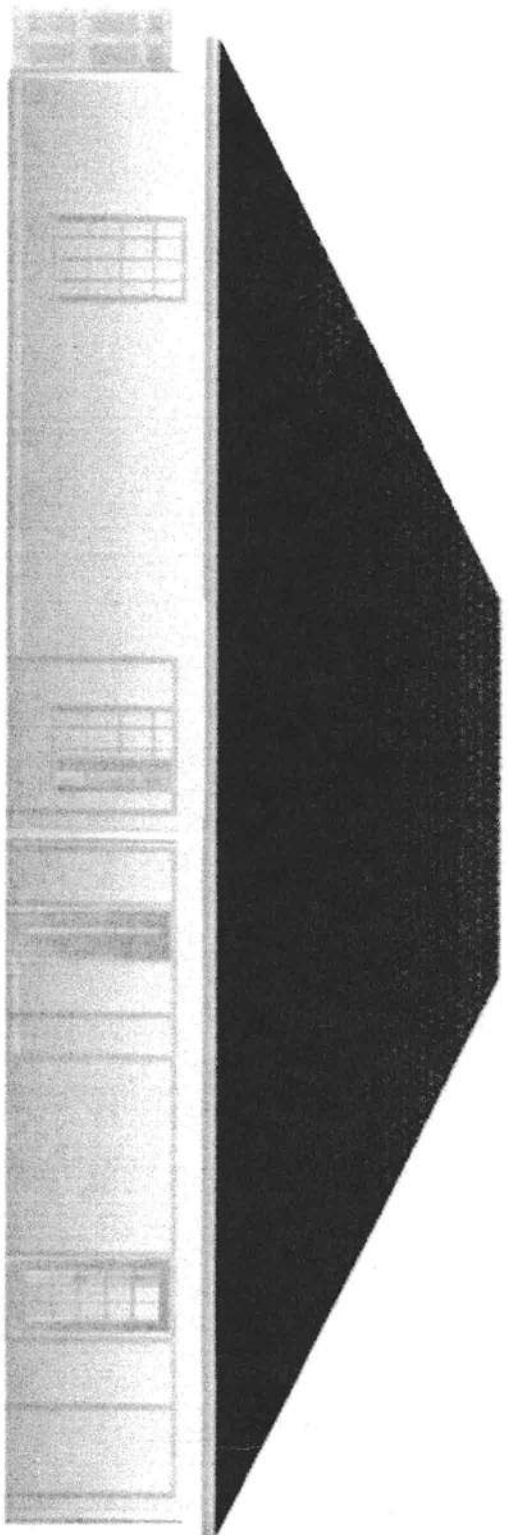
SMOKE DETECTOR IN
BEDROOM, LIVING
ROOM, FAMILY
ROOM, DINING ROOM, AND
NOOK

DION TAYLOR
208 SW POPPY GLEN

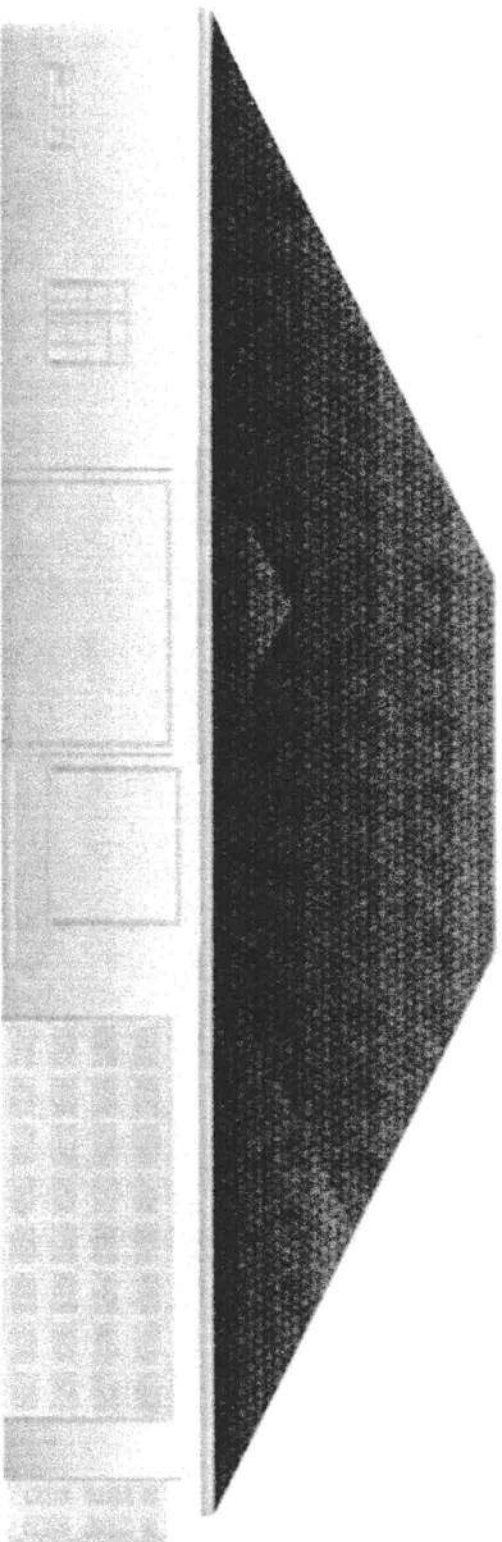
0801-68

DESIGNER DION TAYLOR

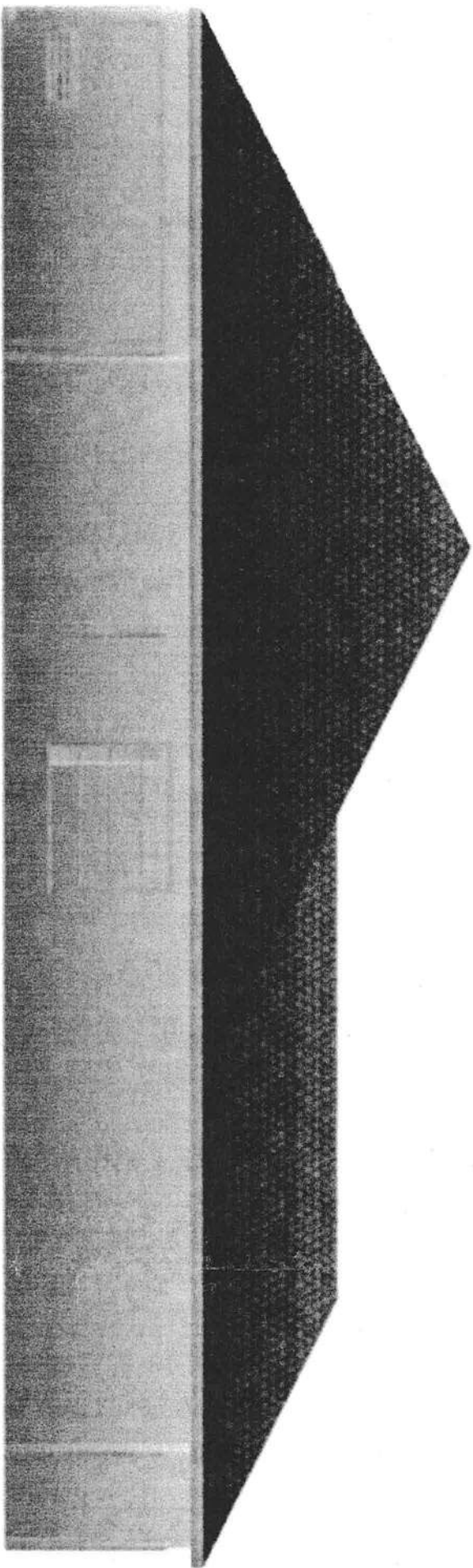
200 AMP UNDERGROUND SERVICE ON
LEFT SIDE OF HOUSE
GFCI IN BATHROOMS AND KITCHEN
W/P GFCI ON OUTSIDE OF HOUSE



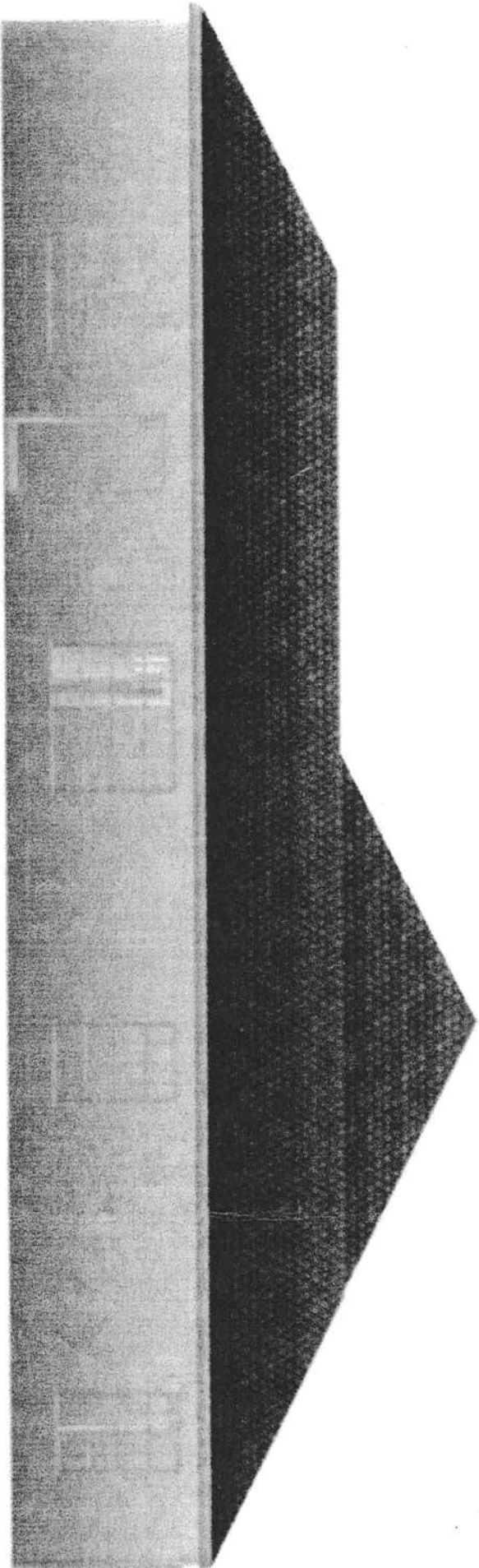
REAR ELEVATION
SCALE 1/4" = 1'
6-12 HIP PITCH ROOF
8" WALL WITH OVERHANG OF 2"
TRUSS HEIGHT 153"



FRONT ELEVATION
SCALE 1/4" = 1'
6-12 HIP PITCH ROOF



LEFT ELEVATION
SCALE 1/4" = 1'
6-12 HIP PITCH ROOF
8' WALL WITH OVERHANG OF 2"
TRUSS HEIGHT 147"



RIGHT ELEVATION
SCALE 1/4" = 1'
6-12 HIP PITCH ROOF

Columbia County Building Permit Application

For Office Use Only Application # 0801-68 Date Received 1-15-08 By CH Permit # 1531/1665
 Zoning Official BLK Date 23.01.08 Flood Zone 2 Pt 1 FEMA Map # N/A Zoning RSF-2
 Land Use Res. Low Den Elevation N/A MFE 109.5' anglet River N/A Plans Examiner OK JTH Date 1-22-08
 Comments Elevation Confirmation Letter Required

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0049 Fax _____
 Name Authorized Person Signing Permit Dion Taylor Phone 386-288-5087
 Address 208 Sw Poppy Glen, L.C. FL 32024
 Owners Name Dion Taylor Phone 386-288-5087
 911 Address 208 Sw Poppy Glen, L.C. FL 32024
 Contractors Name Same Phone _____
 Address _____

Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Dion Taylor / Engineers Mark Disom
 Mortgage Lenders Name & Address N/A

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

15-45-16
 Property ID Number 03023-528 Estimated Cost of Construction 60,000.00

Subdivision Name Rolling Meadows Lot 28 Block _____ Unit _____ Phase _____

Driving Directions GO W to 24th, TL to CAHAN, TL TO MORNING L, LOR, DE, TR TO BUTTERFLY DR, TL TO POPPY GLEN @ The
END of cul-de-sac on L. Number of Existing Dwellings on Property 0

Construction of House SFD Total Acreage .51 Lot Size _____

Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front 25 Side 25 L Side 20 R Rear 45

Number of Stories 1 Heated Floor Area 2221 Total Floor Area 3214 Roof Pitch 6-12

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.

Columbia County Property Appraiser

DB Last Updated: 1/15/2008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 15-4S-16-03023-528

Search Result: 1 of 1

Owner & Property Info

Owner's Name	TAYLOR DION		
Site Address	POPPY		
Mailing Address	P O BOX 3311 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	15416.00	Tax District	3
UD Codes	MKTA06	Market Area	06
Total Land Area	0.510 ACRES		
Description	LOT 28 ROLLING MEADOWS S/D. WD 1063-1963. WD 1087-917 WD 1140-856.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$38,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$38,000.00

Just Value	\$38,000.00
Class Value	\$0.00
Assessed Value	\$38,000.00
Exempt Value	\$0.00
Total Taxable Value	\$38,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
1/4/2008	1140/856	WD	V	Q		\$37,000.00
5/2/2006	1087/917	WD	V	U	06	\$30,000.00
11/1/2005	1063/1963	WD	V	U	01	\$678,571.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.510AC)	1.00/1.00/1.00/1.00	\$38,000.00	\$38,000.00

Columbia County Property Appraiser

DB Last Updated: 1/15/2008

1 of 1



DION TAYLOR

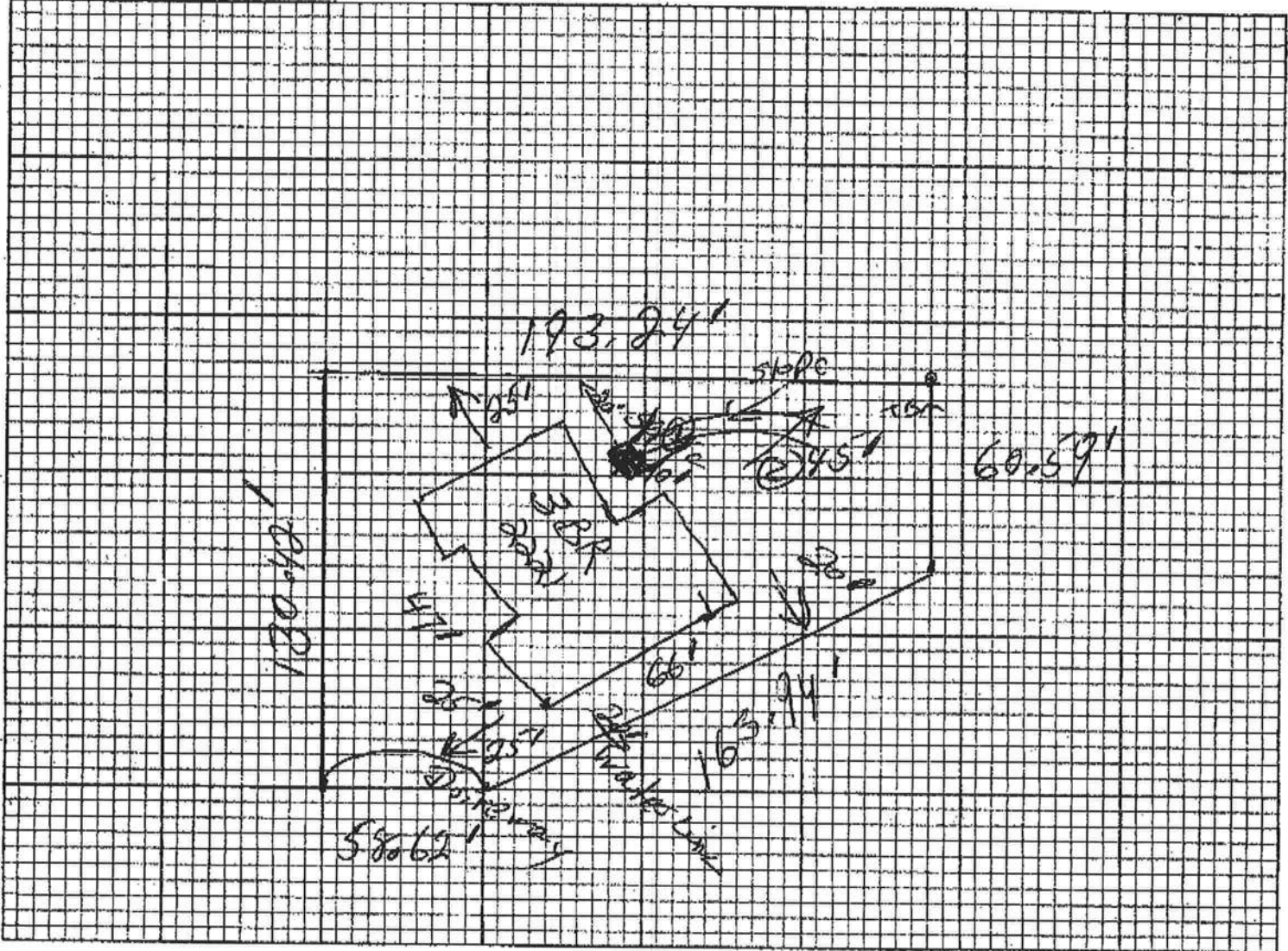
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-6049

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Site Plan submitted by:

Dion Taylor

Signature

Brakes

Title

Plan Approved ☒

Not Approved ☐

Date 1/18/08

By

mm 02

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

**COLUMBIA COUNTY BUILDING DEPARTMENT**

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

NOTARIZED DISCLOSURE STATEMENT**FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).**

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling ☐ Two-Family Residence ☐ Farm Outbuilding
☐ Other _____ ☐ Addition, Alteration, Modification or other Improvement

I Dion Taylor, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Dion Taylor
 Owner Builder Signature

1-14-08
 Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification VA Federal Employee ID Badge
 Notary Signature Rebecca S. Sullivan Date 1/14/08



Rebecca S. Sullivan
 MY COMMISSION # DD282696 EXPIRES
 May 11, 2008
 BONDED THRU TROY FAIR INSURANCE, INC.

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date 1-15-08 Building Official/Representative [Signature]



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

*Land Surveyors
and Mappers*

02/19/08

L-19118

To Whom It May Concern:

C/o: Dion Taylor

Re: Lot 28 Rolling Meadows

The elevation of the proposed foundation is found to be 109.59 feet. The recommended finished floor elevation is 109.50 feet as per the plat of record. The highest adjacent grade is 109.09 feet and the lowest adjacent grade is 107.2 feet. The centerline of the adjacent road SW Poppy Glen is 104.46 feet. The elevations shown hereon are based on NGVD 29 Datum.

L. Scott Britt
PLS #5757

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001531**

DATE 01/23/2008 PARCEL ID # 15-4S-16-03023-528

APPLICANT DION TAYLOR PHONE 386.288.5087

ADDRESS POB 3311 LAKE CITY FL 32056

OWNER DION TAYLOR PHONE 386.288.5087

ADDRESS 208 SW POPPY GLN LAKE CITY FL 32024

CONTRACTOR DION TAYLOR PHONE 386.288.5087

LOCATION OF PROPERTY 90-W TO SR. 247-S TO CALLAHAN.TL TO MORNING GLORY DR,TR TO
BUTTERCUP DR,TR TO POPPY GLN,TL @ THE END OF CUL-DE-SAC ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 28

SIGNATURE

Dion Taylor

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



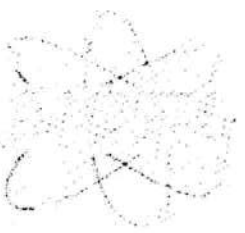
Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.**

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

Amount Paid 25.00





NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1356 • FAX (407) 240-0862
www.nctlinc.com

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2065-1
Test Date: 06-21-00
Report Date: 09-25-00
Expiration Date: 09-25-04
Revision Date: 01/31/02

Client: MI Home Products, Inc.
650 West Market Street
Gratz, PA 17030-0370

Test Specimen: MI Home Products Product's Series "420" Type OXX Aluminum Sliding Glass Door.
(SGD-C35)(Single Glazed)(Steel Reinforced)(with and without sill riser).

Test Method: AAMA/NWDA 101/IS.2-97, "Voluntary Specifications for Aluminum, Vinyl
(PVC), and Wood Windows and Glass Doors."

Revision Note: Sill leg extension was revised from 1-1/8" to 1-1/4"

TEST SPECIMEN DESCRIPTION

General: The sample tested was a three (3) panel type OXX aluminum sliding glass door measuring 15-1-3/4" wide x 8'0-1/8" high overall. The active panel measured 5'0-1/2" wide by 7'11-1/8" high; the fixed panel measured 5'0-7/8" wide by 7'11-1/8" high. Frame and panel members were not thermally broken. A plastic spacer/guide was used at each panel head/stile corner. The fixed panel was secured to the jamb with two (2) 3" long aluminum angle retainers each fastened to the jamb stile with two (2) (#8 x 3/4") pan head screws. One (1) claw type door lock assembly was located at 40" from the bottom of each active panel lock stile each with two (2) screws. One (1) adjustable metal roller assembly was used at each end of the active bottom rails. The frame was of double screw coped corner construction. Panel corners were of single screw at bottom rail and double screw at the top rail. The interior vertical sill leg employed an extruded aluminum 1-1/4" high extension; an overall height of 2.031. One (1) aluminum panel retainer was fastened at 2" from each of the active panel bottom rail. One (1) extruded aluminum female panel adapter was fastened to the fixed panel but stile with five (5) (#8 x 1/2") screws. One extruded aluminum screen adapter was fastened to the butt stile using five (5) (#8 x 1/2") screws

Installation: The main frame was fastened to the wood test buck using forty-eight (48) (#8 x 1-1/2") FHS. (See fastener diagram.)

Reinforcement: One (1) U-shaped galvanized steel reinforcing channel measuring 1-3/4" x 3/4" x 1/16" thick filled the length of the panel adapter stile. One (1) U-shaped galvanized steel reinforcing channel measuring 3/4" x 7/8" x 1/16" thick filled the length of each interlock stile.

PROFESSIONALS IN THE SCIENCE OF TESTING

Glazing: All panels were channel glazed using 3/16" thick clear tempered glass with a flexible vinyl glazing bead.

Weatherseal: Double strips of centerfin weatherstrip (0.270" high) were located at each jamb, stile and lock stile. A double strip of centerfin weatherstrip (0.180" high) was located at each interlock stile. A double strip of centerfin weatherstrip (0.250" high) was located at each panel top rail. A double strip of side fin weathrstrip (0.430" high) was located at each panel bottom rail. An adhesive back polypile dust plug measuring 1-3/16" x 13/16" x 0.420" was located on the head and sill at each end of the vertical stile exterior track.

Weeps: One (1) weep notch measuring 1-1/2" x leg height was located at each end of the interior sill roller leg, exterior sill roller leg and screen sill roller leg.

Interior & Exterior Surface Finish: Non-painted aluminum

Sealant: Frame and panel bottom rail corners were sealed with a small-joint sealant.

Insect Screen: Two (2) insect screens, one (1) center insect screen measuring 5'0-1/4" wide by 7'11" high; Both were of coped corner construction. The screen employed fiberglass mesh cloth with a hollow vinyl spline. One (1) roller assembly was located at each end of the bottom rails. One (1) claw type lock assembly.

TEST RESULTS

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force Center Active Panel		
	To open	20 lbf	30 lbf
	In Motion	5 lbf	30 lbf
	Right Active Panel		
	To open	18 lbf	30 lbf
	In Motion	3 lbf	30 lbf
2.2.1.6.2	Deglazing - ASTM E987 Center Active Panel		
	Top Rail (50 lbf)	10.2 % (0.051")	<100%
	Bottom Rail (50 lbf)	7.3 % (0.033")	<100%
	Left Stile (70 lbf)	6.0 % (0.030")	<100%
	Right Stile (70 lbf)	5.4 % (0.027")	<100%
	Right Active Panel		
	Meeting Rail (50 lbf)	8.4 % (0.042")	<100%
	Bottom Rail (50 lbf)	8.4 % (0.042")	<100%
	Left Stile (70 lbf)	3.0 % (0.014")	<100%
	Right Stile (70 lbf)	6.2 % (0.031")	<100%

11/27/02

TEST RESULTS (Continued)

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft ²
	Water Resistance - ASTM E547 5.0 gph/ft ² WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330 45.0 psf Exterior 45.0 psf Interior	0.245" 0.258"	0.381" 0.381"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP=5.25 psf	No Entry	No Entry

Note: At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP=6.00 psf	No Entry	No Entry
	Uniform Load Structural - ASTM E330 52.5 psf Exterior 52.5 psf Interior	0.379" 0.380"	0.381" 0.381"

* Test performed with and without screen

TEST COMPLETED: 06/21/00

Note: In addition, MI Home Products' Series "430" and "440" also received an SGD-C35 rating being identical in panel construction and interior sill leg heights.

The tested specimen meets (or exceeds) the performance levels specified in Table 2.1 of AAMA/NWWDA 101/LS-2-97 for air infiltration. The listed results were secured by using the designated test methods and indicate compliance with the performance requirements of the referenced specification paragraphs for the SGD-C35 product designation.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen may be drawn from this test. This report does not constitute certification of the product which may only be granted by a certification program validator.

Michael E. Lane 

MICHAEL E. LANE
Division Manager

TEST RESULTS (Continued)

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft ²
	Water Resistance - ASTM E547 5.0 gph/ft ² WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330 45.0 psf Exterior 45.0 psf Interior	0.245" 0.258"	0.381" 0.381"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =5.25 psf	No Entry	No Entry

Note: At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =6.00 psf	No Entry	No Entry
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* Test performed with and without screen

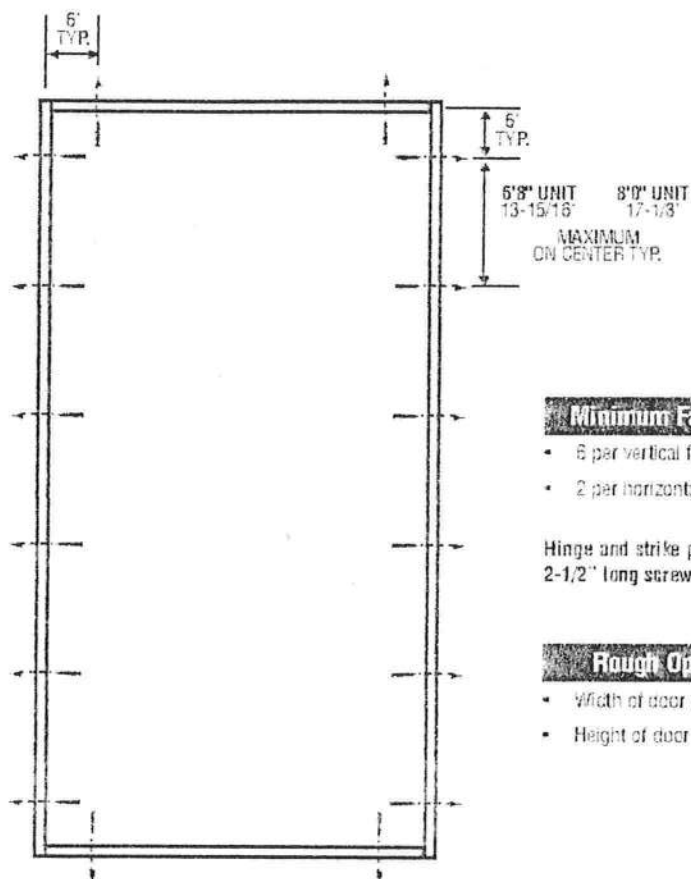
TEST COMPLETED: 06/21/00

Note: In addition, MI Home Products' Series "430" and "440" also received an SGD-C35 rating being identical in panel construction and interior sill leg heights.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

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

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"



Test Data Review Certificate #00264476, #00264478, #00264479 and COP Test Report Validation Matrix #00264476-001, 002, 003, #00264478-001, 002, 003, #00264479-001, 002, 003 provides additional information - available from the ITS-WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3261* or 3266**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

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

June 17, 2002

Our continuing program of product improvements and new developments, design and product data subject to change without notice.

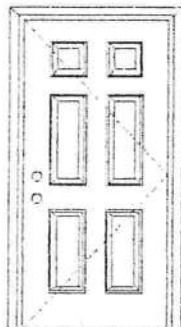


Masonite
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

Limited Water unless special threshold design is used

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

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

Vlamack Hursey



Test Data Review Certificate #0026447A and COP Test Report Validation Matrix #0026447A-001 provides additional information - is available from the ITS:WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

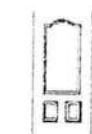
Compliance requires that minimum assembly details have been followed - see MAD-WL-MAC001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MAC001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



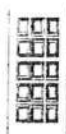
4-panel



4-panel



2-panel



15-panel



3-panel



3-panel with scroll



3-panel

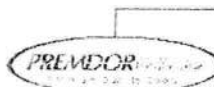


3-panel with scroll

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EntrySystems

June 17, 2002

Our continuing program of product improvement through development, research and support continues to improve our products.



Masonite®
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top and rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

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

Kurt L Balthaz

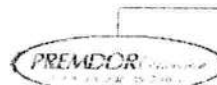
State of Florida, Professional Engineer
Kurt Balthaz, P.E. - License Number 56533



Test Data Review Certificate #2026447A
and COP Test Report Validation Matrix
#2026447A-001 provides additional
information - available from the ITSNH
website (www.itsnh.com), the
Masunite website (www.masunite.com)
or the Masunite technical center.

Johnson
EntrySystems

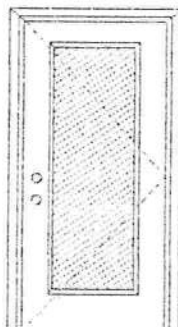
June 12, 2002
Our continuing program of product improvement ensures that Johnson's design and product
performance is always with you.



Masonite
Masunite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #0026447n
and COP Test Report Validation Matrix
#0026447n-001 provides additional
information - available from the ITE.WH
website (www.itewh.com) the
Masonite website (www.masonite.com)
or the Masonite technical center.

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

Single Door
Maximum unit size = 3'0" x 6'8"

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

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

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MAC001-02 and
MAD-WL-MAC041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MAC001-02.

APPROVED DOOR STYLES:

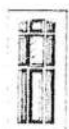
1/4 GLASS:



100 Series



100, 105 Series



100 Series

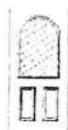


400 Series

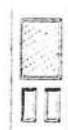


322 Series

1/2 GLASS:



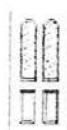
105 Series*



106, 100 Series*



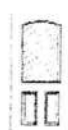
120 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



204 Series

*This glass unit may also be used in the following door styles: 5-panel 5-series with scroll; 5-panel 4 5-panel 5-series with scroll.

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EntrySystems

June 17, 2002
This document is a portion of a product information manual. Specifications, design and product
details subject to change without notice.

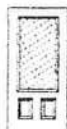


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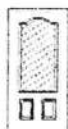
WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series

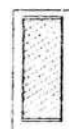


450 Series

FULL GLASS:



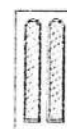
109 Series



114, 120, 122
Series



152 Series



139 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1881-4, 5, 6, 10, 11, 12; NCTL 210-2135-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16253.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

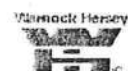
TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY STATE

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

Kurt L Balthazor

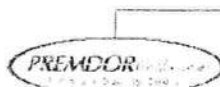
State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #0026447A
and COP-Test Report Validation Matrix
#0026447A-001 provides additional
information - available from the ITS/WH
website (www.itswh.com), the
Masunite website (www.masunite.com)
or the Masunite technical center.

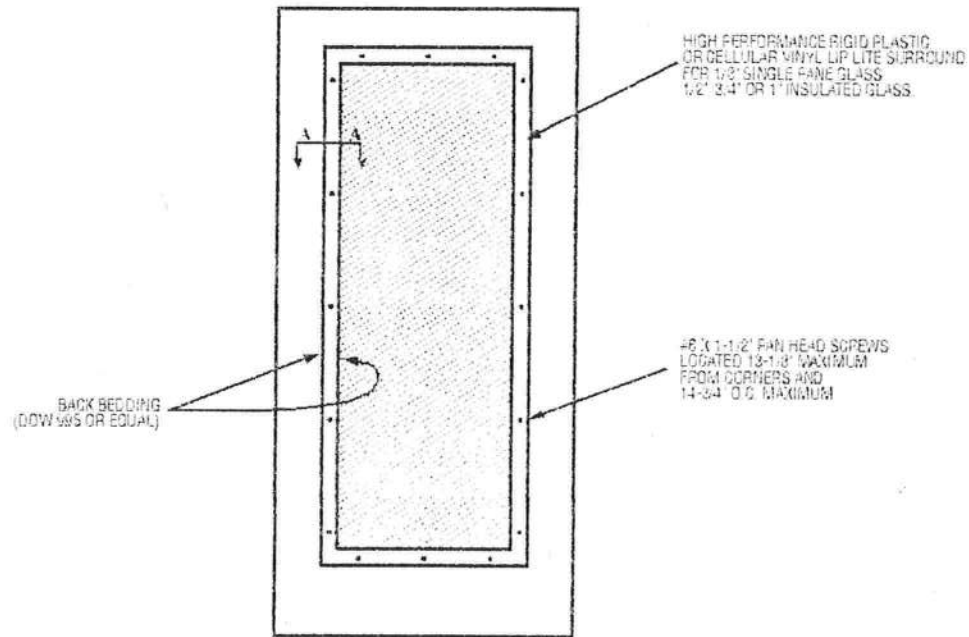
Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes modifications, design and product
details subject to change without notice.

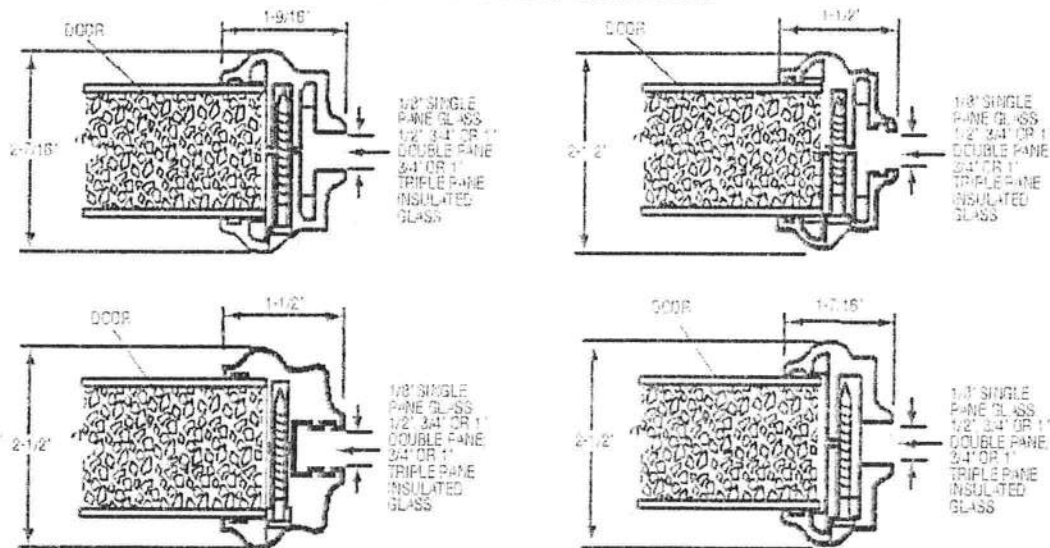


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Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.

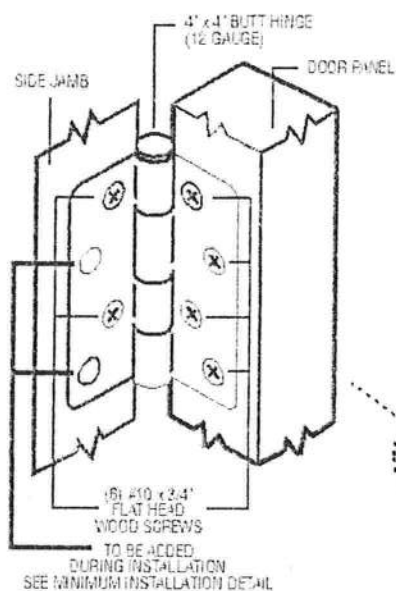
Masonite Hersey Test Data Review Certificate #00254470-#00264470 and QCP Test Report (revision)
Matrix #00254470-001, 002, 003; #00264470-001, 002, 003; #00254470-001, 002, 003 provides
additional information - available from the ITS/WH website (www.itswh.com), the Masonite
website (www.masonite.com) or the Masonite technical center.

June 17, 2002

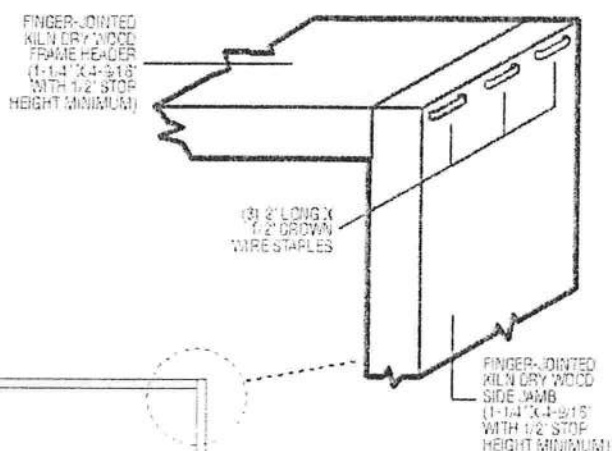
Our responsibility is to provide the most accurate and reliable information possible to our customers.

INSWING UNIT WITH SINGLE DOOR

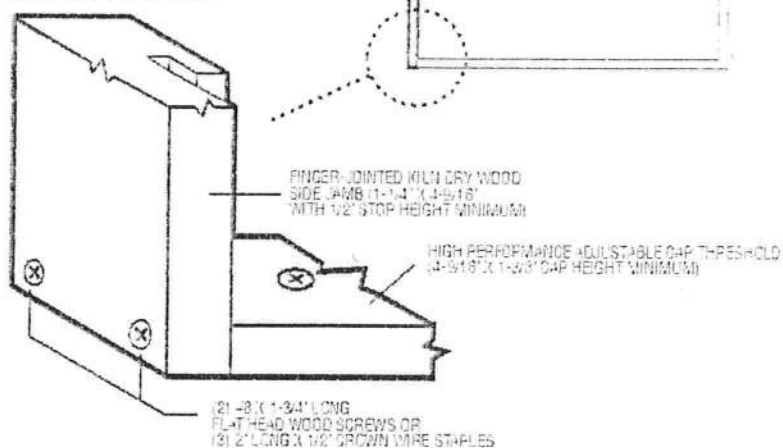
TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Test Data Review Certificate
#00264470-#00264470
#00264470 and QOR Test Report
Installation Manual #00264470-001 002
002-002-#00264470-001 002 002
002-#00264470-001 002 002
provides additional information -
available from the ITGWH website
-www.itgwh.com- the Masonite
website (www.masonite.com) or
the Masonite technical center.

NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1356 • FAX (407) 240-8882
www.nctlinc.com

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2065-1
Test Date: 06-21-00
Report Date: 09-25-00
Expiration Date: 09-25-04
Revision Date: 01/31/02

Client: MI Home Products, Inc.
650 West Market Street
Gratz, PA 17030-0370

Test Specimen: MI Home Products Product's Series "420" Type OXX Aluminum Sliding Glass Door.
(SGD-C35)(Single Glazed)(Steel Reinforced)(with and without sill riser).

Test Method: AAMA/NWWDA 101/LS-2-97, "Voluntary Specifications for Aluminum, Vinyl
(PVC), and Wood Windows and Glass Doors."

Revision Note: Sill leg extension was revised from 1-1/8" to 1-1/4"

TEST SPECIMEN DESCRIPTION

General: The sample tested was a three (3) panel type OXX aluminum sliding glass door measuring 15-1-3/4" wide x 8'0-1/8" high overall. The active panel measured 5'0-1/2" wide by 7'11-1/8" high; the fixed panel measured 5'0-7/8" wide by 7'11-1/8" high. Frame and panel members were not thermally broken. A plastic spacer/guide was used at each panel head/stile corner. The fixed panel was secured to the jamb with two (2) 3" long aluminum angle retainers each fastened to the jamb stile with two (2) (#8 x 3/4") pan head screws. One (1) claw type door lock assembly was located at 40" from the bottom of each active panel lock stile each with two (2) screws. One (1) adjustable metal roller assembly was used at each end of the active bottom rails. The frame was of double screw coped corner construction. Panel corners were of single screw at bottom rail and double screw at the top rail. The interior vertical sill leg employed an extruded aluminum 1-1/4" high extension; an overall height of 2.031. One (1) aluminum panel retainer was fastened at 2" from each of the active panel bottom rail. One (1) extruded aluminum female panel adapter was fastened to the fixed panel butt stile with five (5) (#8 x 1/2") screws. One extruded aluminum screen adapter was fastened to the butt stile using five (5) (#8 x 1/2") screws.

Installation: The main frame was fastened to the wood test buck using forty-eight (48) (#8 x 1-1/2") FHS. (See fastener diagram.)

Reinforcement: One (1) U-shaped galvanized steel reinforcing channel measuring 1-3/4" x 3/4" x 1/16" thick filled the length of the panel adapter stile. One (1) U-shaped galvanized steel reinforcing channel measuring 3/4" x 7/8" x 1/16" thick filled the length of each interlock stile.

PROFESSIONALS IN THE SCIENCE OF TESTING

Glazing: All panels were channel glazed using 3/16" thick clear tempered glass with a flexible vinyl glazing bead.

Weatherseal: Double strips of centerfin weatherstrip (0.270" high) were located at each jamb, stile and lock stile. A double strip of centerfin weatherstrip (0.180" high) was located at each interlock stile. A double strip of centerfin weatherstrip (0.250" high) was located at each panel top rail. A double strip of side fin weathstrip (0.430" high) was located at each panel bottom rail. An adhesive back polypile dust plug measuring 1-3/16" x 13/16" x 0.420" was located on the head and sill at each end of the vertical stile exterior track.

Weeps: One (1) weep notch measuring 1-1/2" x leg height was located at each end of the interior sill roller leg, exterior sill roller leg and screen sill roller leg.

Interior & Exterior Surface Finish: Non-painted aluminum

Sealant: Frame and panel bottom rail corners were sealed with a small-joint sealant.

Insect Screen: Two (2) insect screens, one (1) center insect screen measuring 5'0-1/4" wide by 7'11" high; Both were of coped corner construction. The screen employed fiberglass mesh cloth with a hollow vinyl spline. One (1) roller assembly was located at each end of the bottom rails. One (1) claw type lock assembly.

TEST RESULTS

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force Center Active Panel		
	To open	20 lbf	30 lbf
	In Motion	5 lbf	30 lbf
	Right Active Panel		
	To open	18 lbf	30 lbf
	In Motion	3 lbf	30 lbf
2.2.1.6.2	Deglazing - ASTM E987 Center Active Panel		
	Top Rail (50 lbf)	10.2 % (0.051")	<100%
	Bottom Rail (50 lbf)	7.8 % (0.039")	<100%
	Left Stile (70 lbf)	6.0 % (0.030")	<100%
	Right Stile (70 lbf)	5.4 % (0.027")	<100%
	Right Active Panel		
	Meeting Rail (50 lbf)	8.4 % (0.042")	<100%
	Bottom Rail (50 lbf)	8.4 % (0.042")	<100%
	Left Stile (70 lbf)	3.0 % (0.015")	<100%
	Right Stile (70 lbf)	6.2 % (0.031")	<100%

11/27/02

TEST RESULTS (Continued)

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft ²
	Water Resistance - ASTM E547 5.0 gph/ft ² WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330 45.0 psf Exterior	0.245"	0.381"
	45.0 psf Interior	0.258"	0.381"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP=5.25 psf	No Entry	No Entry

Note: At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP=6.00 psf	No Entry	No Entry
	Uniform Load Structural - ASTM E330 52.5 psf Exterior	0.379"	0.381"
	52.5 psf Interior	0.380"	0.381"

* Test performed with and without screen.

TEST COMPLETED: 06/21/00

Note: In addition, MI Home Products' Series "430" and "440" also received an SGD-C35 rating being identical in panel construction and interior sill leg heights.

The tested specimen meets (or exceeds) the performance levels specified in Table 2.1 of AAMA/NWWDA 101/LS-2-97 for air infiltration. The listed results were secured by using the designated test methods and indicate compliance with the performance requirements of the referenced specification paragraphs for the SGD-C35 product designation.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen may be drawn from this test. This report does not constitute certification of the product which may only be granted by a certification program validator.

Michael E. Lane 

MICHAEL E. LANE
Division Manager

TEST RESULTS (Continued)

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft ²
	Water Resistance - ASTM E547 5.0 gph/ft ² WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330 45.0 psf Exterior 45.0 psf Interior	0.245" 0.258"	0.381" 0.381"

OPTIONAL PERFORMANCE

<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =5.25 psf	No Entry	No Entry

Note: At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:

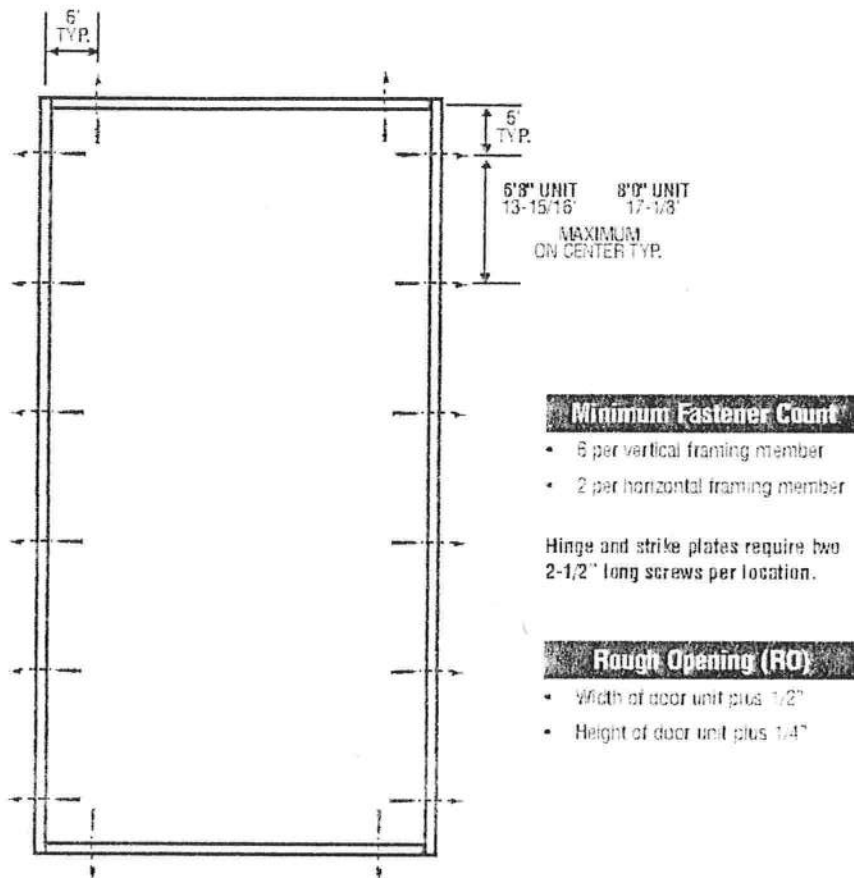
<u>Par. No.</u>	<u>Title of Test & Method</u>	<u>Measured</u>	<u>Allowed</u>
4.3 *	Water Resistance - ASTM E547 & E331 5.0 gph/ft ² WTP =6.00 psf	No Entry	No Entry
	Uniform Load Structural - ASTM E330 52.5 psf Exterior 52.5 psf Interior	0.379" 0.380"	0.381" 0.381"

* Test performed with and without screen

TEST COMPLETED: 06/21/00

Note: In addition, MI Home Products' Series "430" and "440" also received an SGD-C35 rating being identical in panel construction and interior sill leg heights.

SINGLE DOOR



Test Data Review Set #016 #0264476-#0264478 and OCA Test Report Validation Matrix #0264476-01 #02 000-#0264476-001 002 000-#0264476-011 002 000 provides additional information - available from the ITS/WH website (www.itswh.com), the Masande website (www.masande.com) or the Masande technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3261* or 3266**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

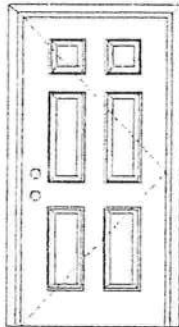
Notes:

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

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

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

Wilmack Hersey



Test Data Review Certificate #0026447/1 and COP Test Report Validation Matrix #0026447/1-001 provides additional information - available from the ITS/WH Website (www.itswh.com), the Masonite Website (www.masonite.com) or the Masonite Technical Center.

MINIMUM ASSEMBLY DETAIL:

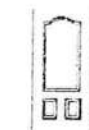
Compliance requires that minimum assembly details have been followed - see MAD-WL-MAC001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MAC001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Broadway 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel

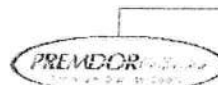


Eyebrow 5-panel with scroll

Johnson
EntrySystems

June 17, 2002

Our continuing program of product improvement includes modifications, design and product recall related to changes with the door.



Developed from
Masonite
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top and rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY STATE

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

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 58533

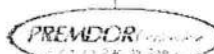


Test Data Review Certificate #0026447A
and COP Test Report Validation Matrix
#0026447A-001 provides additional
information - available from the ITS/JH
website (www.itsentr.com), the
Masunite website (www.masunite.com)
or the Masunite technical center

Johnson
EntrySystems

June 17, 2002

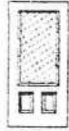
Our continued program of product improvement and specifications, designed to meet
customer needs to design with confidence.



Exclusively for
Masonite
Masunite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series

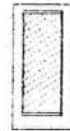


450 Series

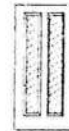
FULL GLASS:



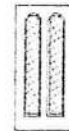
100 Series



114, 120, 122
Series



152 Series



149 Series



200 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2135-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 18258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2784-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY STATE

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

Kurt L Balthazor

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



Test Data Review Certificate #0026447A and GOP-Test Report Validation Matrix #0026447A-001 provides additional information - available from the ITS:WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

Johnson
EntrySystems

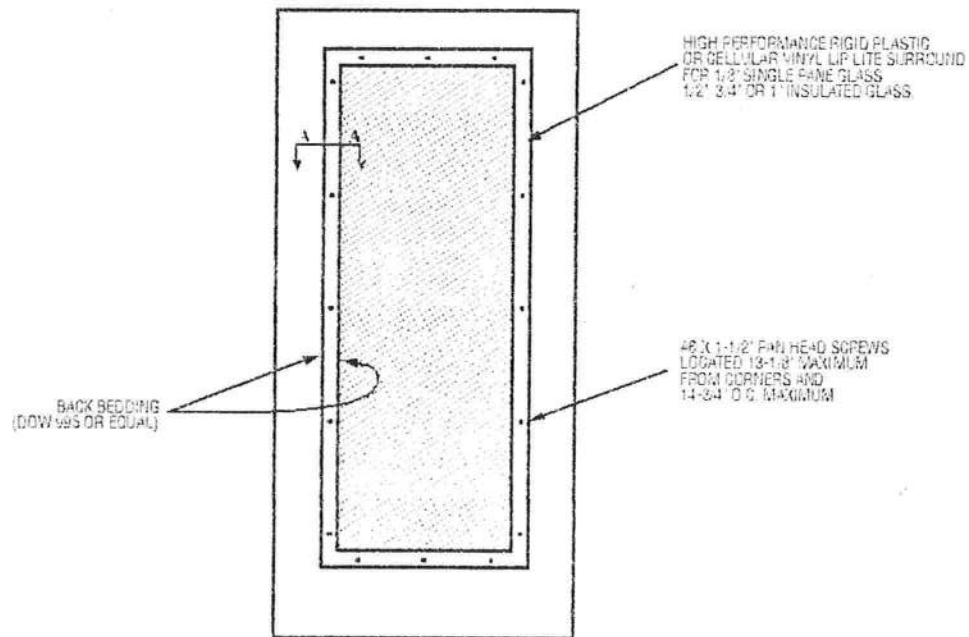
June 17, 2002
Our continuing program of product improvement makes modifications, changes and product recalls without to change without notice.

PREMDOR
A Division of Masonite

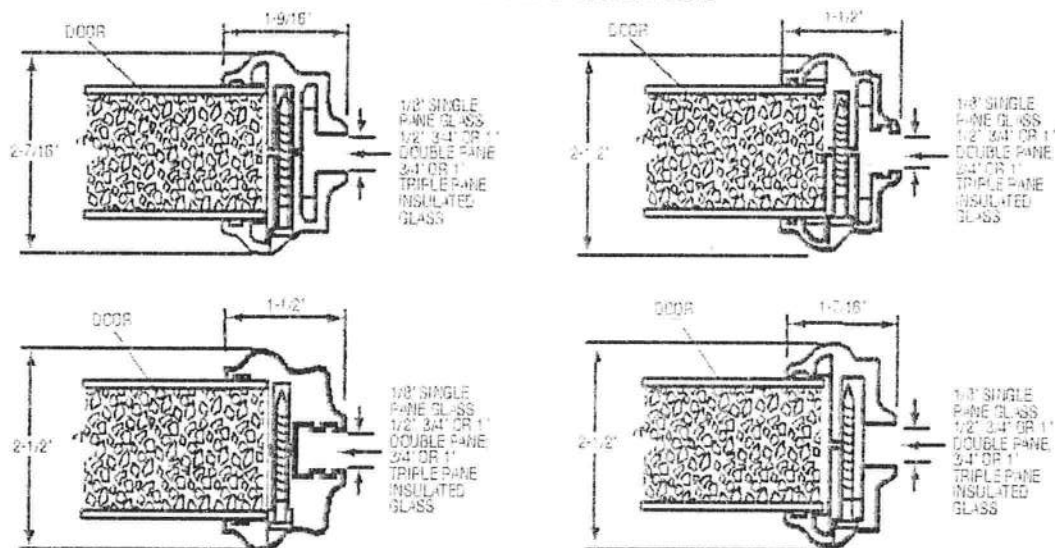
Exclusively from
Masonite

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



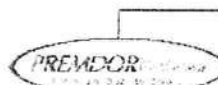
*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.



Test Data Series Certificate #00264470-#00264479-#00264470 and QCP Test Report Validation
Mach #00264470-001, 002, 003; #00264479-001, 002, 003; #00264470-001, 002, 003 provides
additional information - available from the ITS WH website (www.intertek.com), the Masonite
website (www.masonite.com) or the Masonite technical center.

June 17, 2002

Our continuing program of product improvement makes specifications,
design and product details subject to change without notice.

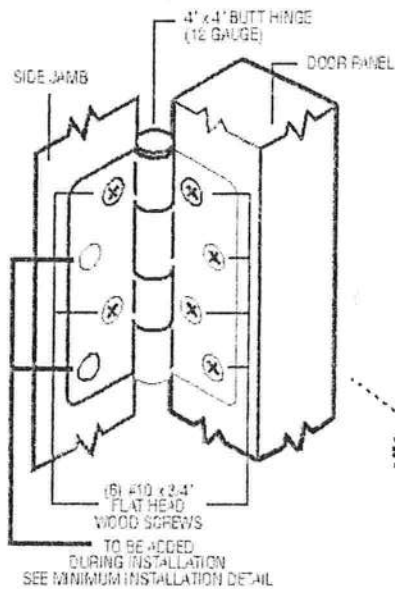


Exclusively for
Masonite

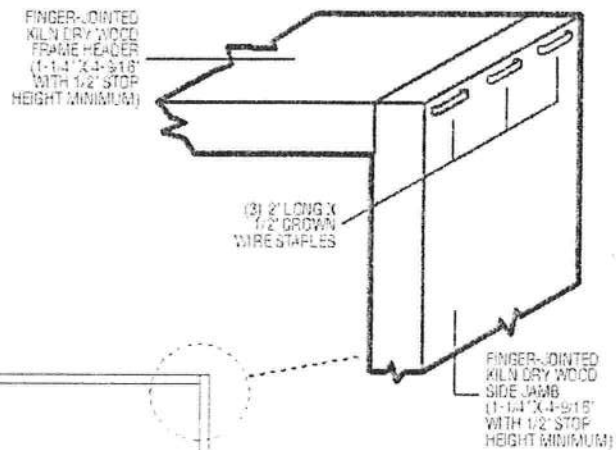
Masonite International Corporation

INSWING UNIT WITH SINGLE DOOR

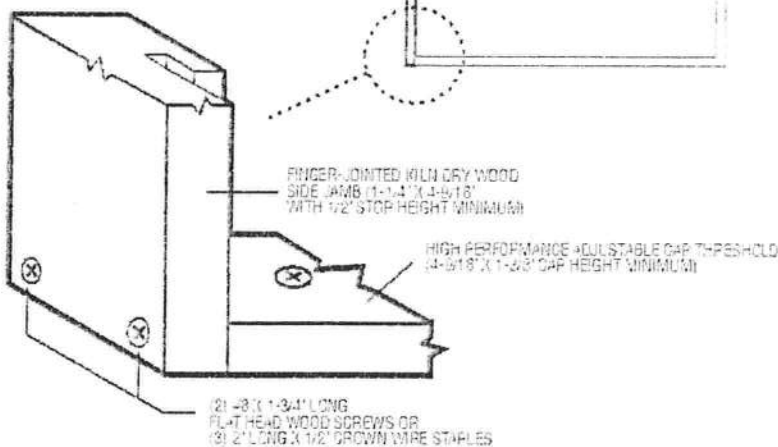
TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Test Data Review Certificate
#202644711 #20264478
#20264470 and COP Test Report
Validation Matrix #20264471- J01
J02 J03 #20264473-001 J02
J03 #20264470-001 J02 J03
provides additional information -
available from the IT&WH website
(www.itandwh.com) the Masonite
website (www.masonite.com) or
the Masonite technical center.

HERITAGE 40 AR®

LAMINATED ASPHALT SHINGLES

PRODUCT DATA

Manufactured in Tuscaloosa, AL.

HERITAGE 40 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with granules that will help protect against discoloration caused by algae. A self-sealing strip of asphalt helps provide added wind resistance.



USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 40 year limited warranty, 7 year FULL START, limited transferability, winds up to 80 MPH
- Superior fire resistance compared to organic shingles
- Rustic beauty of wood shakes
- Shadowtone feature adds depth and dimensional appearance
- Algae resistant granules to protect against discoloration in areas where extreme humidity is a problem
- 10 year limited warranty against discoloration caused by certain algae growth

CERTIFICATIONS

UL Class A Fire Rating	ASTM D 3018, Type I
UL Wind Resistant	ASTM E 108, Class A
Fed. Spec.: Exceeds SS-S-001534, Class A, Type I	ASTM D 3161, Type I (Modified to 110 mph)
	ASTM D 3462

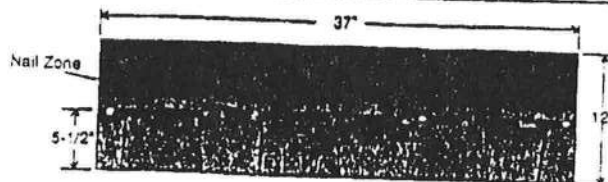
COLORS

America's Natural Colors:

- Natural Timber
- Painted Desert
- Thunderstorm Grey
- Harvest Gold
- Mountain Slate
- Black Walnut

PRODUCT DATA*

Shingle size	12" X 36"
Exposure	5"
Shingles per square	80
Bundles per square	4



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.



TAMKO
ROOFING PRODUCTS

TAMKO® is a registered trademark of
TAMKO Roofing Products, Inc.

Visit our Web Site at www.tamko.com

01/2002

Central District	220 West 4th St., Joplin, MO	64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD	21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL	35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO	80216	800-530-8868



SOS Item No.: 89087
Lead Time: 24 Days



Improving Home Improvement

Holmes Garage Door Company



Phone: 1-877-266-8490
Fax: 1-800-526-1618

LOWE'S WINDCODE® RESIDENTIAL RETAIL PRICING



WINDCODE® Residential Retail Pricing 2002

LOWE'S EVERYDAY LOW PRICE

**TO PLACE AN ORDER
OR FOR PRICING ASSISTANCE CALL
1-877-266-8490 or FAX 1-800-526-1618**

Effective November 1, 2002
(Subject to change without notice)

Holmes Garage Door Company
P. O. Box 38
Russia, OH 45363
1-877-266-8490 (Order Desk)
1-800-526-1618 (Fax)
www.holmesgaragedoors.com





SOS Item No.: 89087
Lead Time: 24 Days



Improving Home Improvement

Holmes Garage Door Company



Phone: 1-877-266-8490
Fax: 1-800-526-1618

LOWE'S WINDCODE® RESIDENTIAL RETAIL PRICING

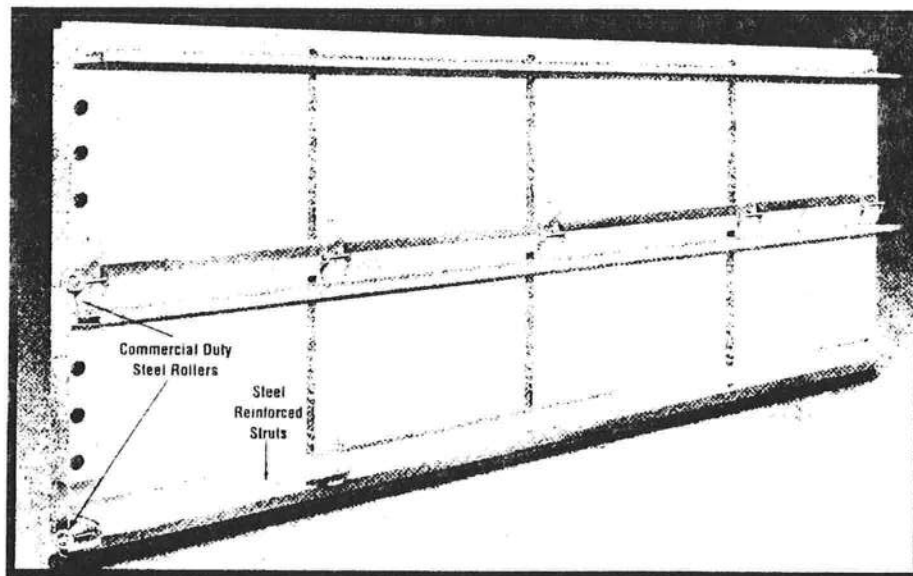


Beginning March 1, 2002, all garage doors in Florida will have to meet Windload standards for the State's standard building code.

In the past, garage doors did not have to be reinforced for high winds or hurricane winds to meet the standard code, with the exception of areas in South Florida and areas within 1 mile of the coast. Now, the standard code requires that all garage doors in Florida must have additional reinforcement.

Holmes Garage Door Company has a complete line of WindCode® products that allows a consumer to buy a garage door that will meet or exceed any code requirement in their area. Holmes rates our WindCode® product W3 thru W8. W3 for minimal reinforcement and as high as W8 for a fully reinforced garage door.

Below is a picture of a WindCode® (reinforced) garage door. A WindCode® door will protect your home against extreme weather conditions, while providing beauty, durability and reliability that you expect from a Holmes garage door.



WindCode® products include standard features of a garage door Plus:

<u>Features</u>	<u>Benefits</u>
• Heavier Track.....	Provides additional strength and durability
• Steel reinforcement struts.....	Strengthens structural integrity to withstand the most fierce winds
• Upgraded springing.....	Insures maximum performance
• Commercial duty steel rollers.....	Designed to withstand the most severe wind pressure

See your millwork associate for WindCode® product details and pricing.

WC2

FOR ASSISTANCE CALL 1-877-266-8490 FAX 1-800-526-1618

Effective November 1, 2002
Subject to change without notice



SOS Item No.: 89087
Lead Time: 24 Days



Improving Home Improvement

Holmes Garage Door Company

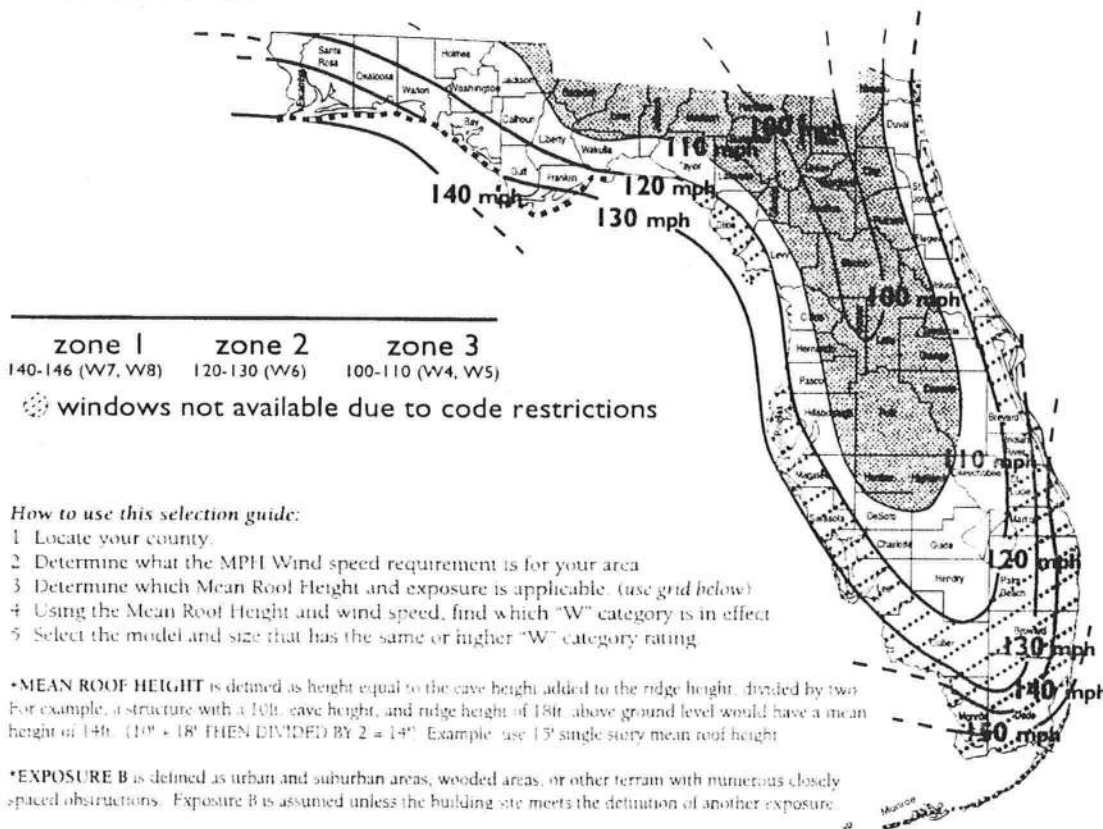


Phone: 1-877-266-8490
Fax: 1-800-526-1618

LOWE'S WINDCODE® RESIDENTIAL RETAIL PRICING



WINDCODE® Product Map/ Selection Guide



zone 1 zone 2 zone 3
140-146 (W7, W8) 120-130 (W6) 100-110 (W4, W5)

⊗ windows not available due to code restrictions

How to use this selection guide:

1. Locate your county.
2. Determine what the MPH Wind speed requirement is for your area.
3. Determine which Mean Roof Height and exposure is applicable. (use grid below)
4. Using the Mean Roof Height and wind speed, find which "W" category is in effect.
5. Select the model and size that has the same or higher "W" category rating.

*MEAN ROOF HEIGHT is defined as height equal to the eave height added to the ridge height, divided by two. For example, a structure with a 10ft. eave height, and ridge height of 18ft. above ground level would have a mean height of 14ft. $(10' + 18' \text{ THEN DIVIDED BY } 2 = 14')$ Example: use 13' single story mean roof height.

*EXPOSURE B is defined as urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions. Exposure B is assumed unless the building site meets the definition of another exposure.

*EXPOSURE C is defined as open terrain with scattered obstructions including flat open ground, grasslands, and shorelines in hurricane prone regions, and all of Miami-Dade and Broward CO. is EXPOSURE C.

** - BROWARD CO. IS 140 MPH AND MIAMI-DADE CO. IS 146 MPH.

FLORIDA BUILDING CODE (ASCE7-98) - EXPOSURE B*

MEAN ROOF HEIGHT +	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
Up to 15' ONE-STORY	W3	W3	W4	W5	W6	W7
Up to 25' TWO-STORY	W3	W3	W4	W5	W6	W7

FLORIDA BUILDING CODE (ASCE7-98) - EXPOSURE C*

MEAN ROOF HEIGHT +	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH**	146 MPH**	150 MPH
Up to 15' ONE-STORY	W3/W4	W4	W5	W6	W7	W7	W8
Up to 25' TWO-STORY	W4	W5	W6	W7	W7	W8/W9	W8/W9

1999 STANDARD BUILDING CODE (Code for all states excluding Florida)

MEAN ROOF HEIGHT +	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH
Up to 15' ONE-STORY	W3	W3	W3	W4	W5
Up to 25' TWO-STORY	W3	W3	W4	W5	W6

This map is to be used as a guideline only. Contact your local building official for code details and building permit information.

WC4

FOR ASSISTANCE CALL 1-877-266-8490 FAX 1-800-526-1618

Effective November 1, 2002
Subject to change without notice

Vendor #15559

Revision Date: 01-01-03; Page: 4 of 10

MI HOME PRODUCTS
- PRIME ALUMINUM WINDOWS -
INSTALLATION INSTRUCTIONS FOR
"NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.
2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set.
3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18". Install load bearing shim adjacent to each anchor. Use shim where space exceeds 1/16".
4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices.
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/vent tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass: scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would your automobile.

CAUTION -

MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements.

Corporate Headquarters:
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300



MI HOME PRODUCTS
- PRIME ALUMINUM WINDOWS -
INSTALLATION INSTRUCTIONS FOR
"NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition - proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

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Corporate Headquarters:
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300



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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650/850
TYPE: H-C30 54 x 90; H-C40 52 x 72*

Title of Test	Summary of Results	
	Test Specimen #1	Test Specimen #2
AAMA Rating	H-C30 54 x 90	H-C40 52 x 72*
Uniform Load Deflection Test Pressure	35.0 psf	47.0 psf
Operating Force	20 lb max.	N/A
Air Infiltration	0.27 cfm/ft ²	N/A
Water Resistance Test Pressure	5.25 psf	6.0 psf
Uniform Structural Load Test Pressure	45.0 psf	70.5 psf
Deglazing	Passed	N/A
Forced Entry Resistance	Grade 10	N/A

Reference should be made to ATI Report No. 01-37589.02 for complete test specimen description and data.

Allen M. Rung
24 JUNE 2000



Architectural Testing

TEST REPORT

Rendered to:

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

Report No: 01-37589.02
Test Date: 06/15/00
Thru: 06/29/00
Report Date: 06/06/02
Expiration Date: 06/29/04

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on two Series/Model 450/650/850, aluminum single hung windows at their facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-C30 54 x 90; Test Specimen #2: H-C40 52 x 72*.

General Note: An asterisk () next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.*

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

Test Specimen Description

Series/Model: 450/650/850

Type: Aluminum Single Hung Window

Test Specimen #1 Gateway Performance Specimen H-C30 54 x 90 rating

Overall Size: 4' 6-1/2" wide by 7' 6-1/2" high

Active Sash Size: 4' 4" wide by 3' 9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4' 2-1/4" wide by 3' 8-1/2" high

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

Allen M. Ransom
27 JUNE 2002

**Test Specimen Description: (Continued)****Test Specimen #2: H-C40 52 x 72***

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

Active Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" clear annealed glass and an intercept™ spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.210" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Stiles
0.300" diameter by 0.187" backed foam filled vinyl bulb gasket	1 Row	Bottom rail
0.400" high by 1/2" square polypile dust plug	4	One on each sash corner

Frame Construction: Series/Model 450 frame was constructed of thermally broken extruded aluminum with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two #8 x 1/4" screws. Series/Model 650 frame was constructed of extruded aluminum. Series/Model 850 frame was constructed of thermally broken extruded aluminum members.

Sash Construction: The Series/Model 450 sash members were constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with one #8 x 1-1/4" screw. Series/Model 650 sash was constructed of extruded aluminum. Series/Model 850 sash was constructed of extruded aluminum.

Screen Construction: The screen was constructed of rolled-aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

Albert M. Reardon
29 JUNE 2002



Test Specimen Description: (Continued)

Test Specimen #2: H-C40 52 x 72*

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

Active Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" clear annealed glass and an intercept™ spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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0.250" high by 0.187" backed polypile with center fin	2 Rows	Stiles
0.300" diameter by 0.187" backed foam filled vinyl bulb gasket	1 Row	Bottom rail
0.400" high by 1/2" square polypile dust plug	4	One on each sash corner

Frame Construction: Series/Model 450 frame was constructed of thermally broken extruded aluminum with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two #8 x 1/4" screws. Series/Model 650 frame was constructed of extruded aluminum. Series/Model 850 frame was constructed of thermally broken extruded aluminum members.

Sash Construction: The Series/Model 450 sash members were constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with one #8 x 1-1/4" screw. Series/Model 650 sash was constructed of extruded aluminum. Series/Model 850 sash was constructed of extruded aluminum.

Screen Construction: The screen was constructed of rolled-aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

Allen M. Reiman
29 JUNE 2022

Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic snap latch	1	Midspan of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail

Drainage: Sloped sill

Reinforcement: No reinforcement.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blind stopped with wood members and secured with #3 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90			
2.2.1.6.1	Operating Force	20 lbs	45 lbs max
	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.27 cfm/ft ²	0.30 cfm/ft ² max.
	Water Resistance (ASTM E 547) (with and without screen) WTP = 4.5 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the fixed meeting rail) (Loads were held for 33 seconds)		
	@ 35.0 psf (positive)	0.27"	0.36" max.
	@ 35.0 psf (negative)	0.73"	0.30" max.

* Exceeds L/175 for deflection but meets all other test requirements.

Allen M. R...
24 JUNE 2007

Test Results:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1. Gateway Performance Specimen H-C30 54 x 90 (Continued)</u>			
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)		
	@ 45.0 psf (positive)	0.03"	0.21" max
	@ 45.0 psf (negative)	0.04"	0.21" max
2.2.1.6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs		
	Meeting rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
2.1.3	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Allen M. Rivers
2nd Vice President

Test Results

Paragraph	Title of Test - Test Method	Results	Allowed
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Test Specimen #1: Gateway Performance Specimen H-C30 54 x 90 (Continued)Optional Performance

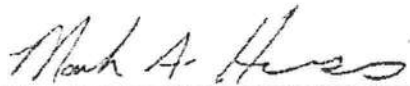
4.3	Water Resistance (ASTM E 547) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
-----	--	------------	------------

Test Specimen #2: H-C40 52 x 72*Optional Performance

4.3	Water Resistance (ASTM E 547 and ASTM E 331) (with and without screen) WTP = 6.0 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330) (Measurements reported were taken on the fixed meeting rail) (Loads were held for 33 seconds)		
	@ 47.0 psf (positive)	0.04"	0.30" max
	@ 47.0 psf (negative)	0.03"	0.30" max
	Uniform Load Structural (ASTM E 330) (Measurements reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)		
	@ 70.5 psf (positive)	0.07"	0.21" max.
	@ 70.5 psf (negative)	0.04"	0.21" max.

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

For ARCHITECTURAL TESTING, INC



Mark A. Hess
Technician

MAH:baw
01-37589.02



Allen N. Reeves, P.E.
Director - Engineering Services

24 JUNE 2002



DOCUMENT CONTROL ADDENDUM #01-37589.00

Current Issue Date: 06/06/02

Report No.: 01-37589.01

Requested by: Scott Gill, MI Home Products, Inc.

Purpose: AAMA/NWWDA 101/I.S.2-97 testing on Series/Model 450, aluminum single hung window.

Issued Date: 09/11/00

Comments: Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-37589.02

Requested by: William Emley, MI Home Products, Inc.

Purpose: Revised Report No. 01-37589.01.

Issued Date: 06/06/02

Comments: Added Series/Model 650/850. Florida P.E. seal required on report
Certification copy to John Smith at Associated Laboratories, Inc.

Allen N. Remson
24 JUNE 2002

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 0 278

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: ITDY8228Z0108081550

Truss Fabricator: Anderson Truss Company
Job Identification: 8-004--Fill in later DION TAYLOR -- **

Truss Count: 42

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Versions 7.36, 7.37.

Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Seal Date: 01/08/2008

-Truss Design Engineer-

James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive

Haines City, FL 33844

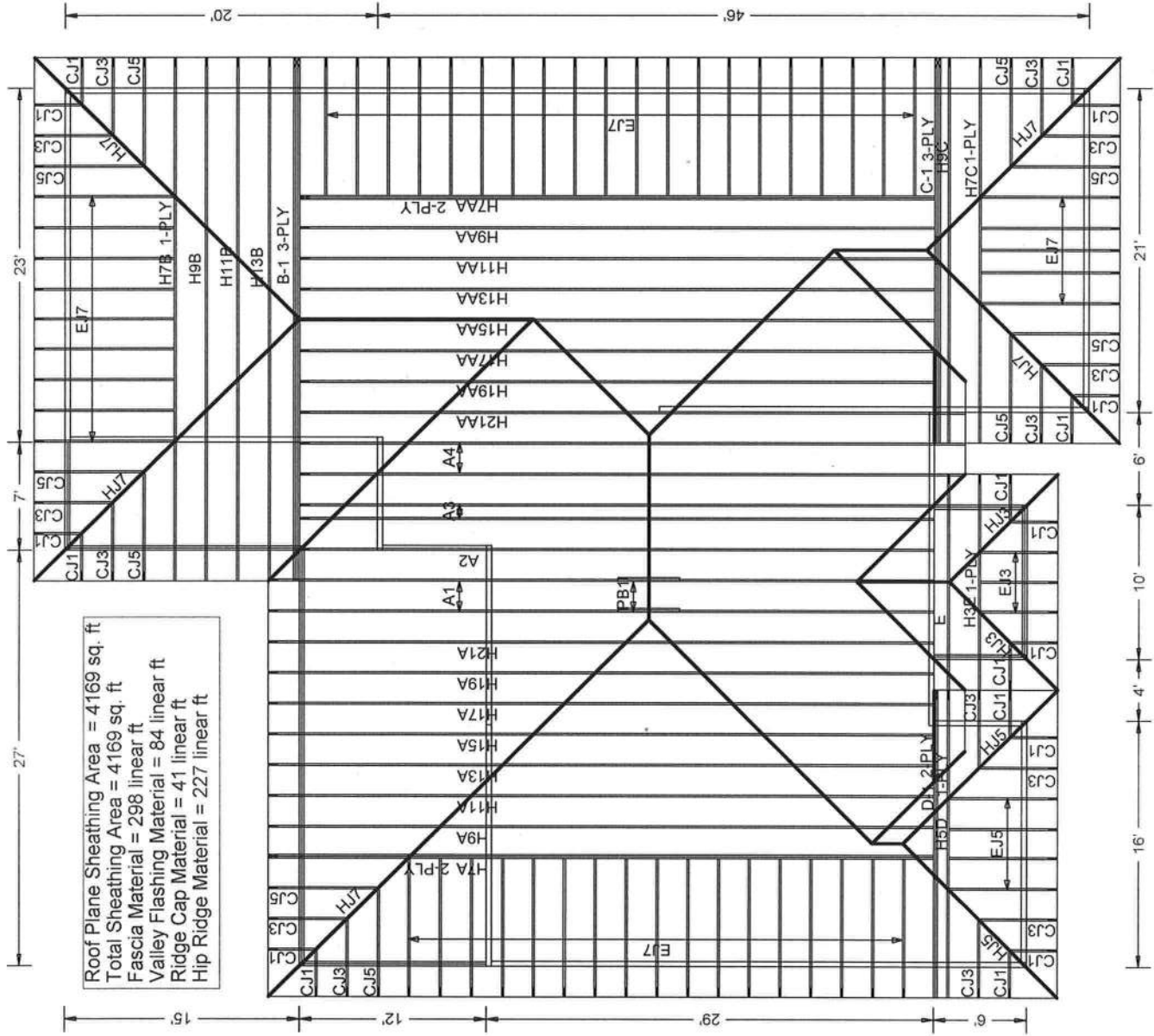
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1	59751--H7A		08007040	01/07/08
2	59752--H9A		08007017	01/07/08
3	59753--H11A		08007018	01/07/08
4	59754--H13A		08007019	01/07/08
5	59755--H15A		08007020	01/07/08
6	59756--H17A		08007021	01/07/08
7	59757--H19A		08007022	01/07/08
8	59758--H21A		08007023	01/07/08
9	59759--A2		08007024	01/07/08
10	59760--A3		08007025	01/07/08
11	59761--A4		08007026	01/07/08
12	59762--H21AA		08007027	01/07/08
13	59763--H19AA		08007028	01/07/08
14	59764--H17AA		08007029	01/07/08
15	59765--H15AA		08007030	01/07/08
16	59766--H13AA		08007031	01/07/08
17	59767--H11AA		08007032	01/07/08
18	59768--H9AA		08007033	01/07/08
19	59769--H7AA		08007041	01/07/08
20	59770--A1		08007034	01/07/08
21	59771--H7B		08007042	01/07/08
22	59772--H9B		08007035	01/07/08
23	59773--H11B		08007036	01/07/08
24	59774--H13B		08007037	01/07/08
25	59775--B-1		08007043	01/07/08
26	59776--H7C		08007044	01/07/08
27	59777--H9C		08007010	01/07/08
28	59778--C-1		08007045	01/07/08
29	59779--H5D		08007046	01/07/08
30	59780--D-1		08007047	01/07/08
31	59781--H3E		08007048	01/07/08
32	59782--E		08007011	01/07/08
33	59783--CJ1		08007038	01/07/08
34	59784--HJ5		08007049	01/07/08
35	59785--HJ7		08007050	01/07/08
36	59786--HJ3		08007051	01/07/08

#	Ref	Description	Drawing#	Date
37	59787--CJ3		08007012	01/07/08
38	59788--CJ5		08007013	01/07/08
39	59789--EJ7		08007014	01/07/08
40	59790--EJ3		08007015	01/07/08
41	59791--EJ5		08007016	01/07/08
42	59792--PB1		08007039	01/07/08



Roof Plane Sheathing Area = 4169 sq. ft
 Total Sheathing Area = 4169 sq. ft
 Fascia Material = 298 linear ft
 Valley Flashing Material = 84 linear ft
 Ridge Cap Material = 41 linear ft
 Hip Ridge Material = 227 linear ft



JOB DESCRIPTION: Fill in later
 /: DION TAYLOR

JOB NO:
 8-004
 PAGE NO:
 1 OF 1

#8-004 Dion Taylor

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)

Top Chord:	1 Row	@12.00"	0.0 c.
Bot Chord:	1 Row	@12.00"	0.0 c.
Web:	1 Row	@ 4"	0.0 c.

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

Right end vertical not exposed to wind pressure.

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

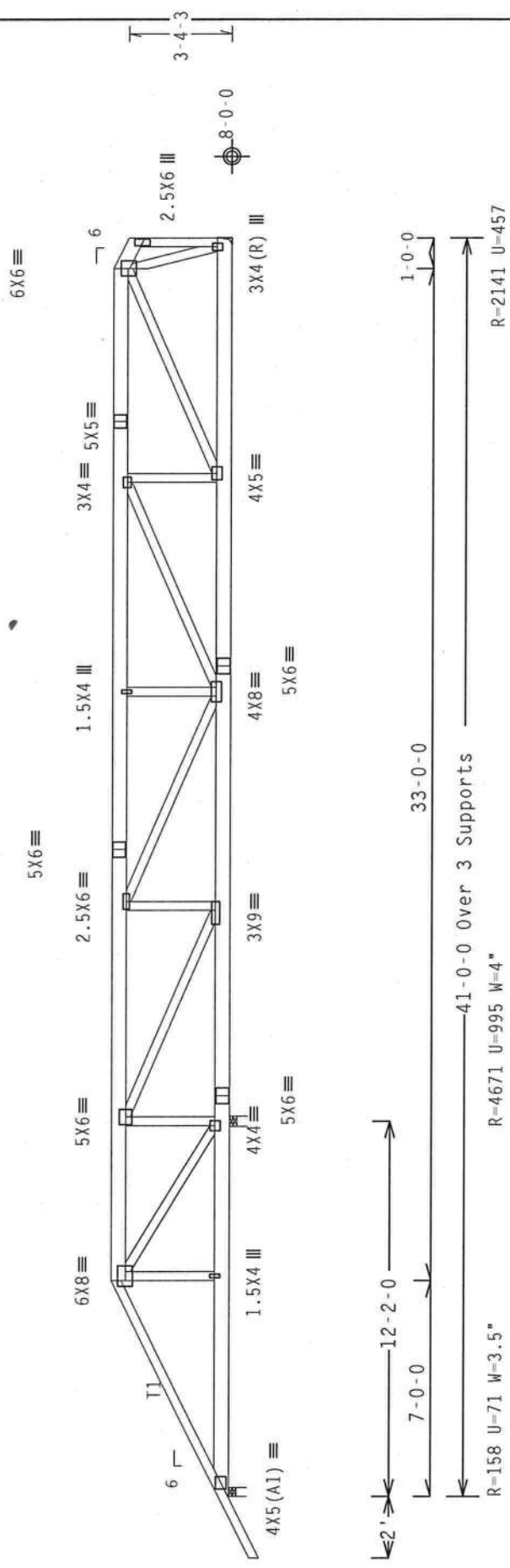
	Top chord	2x6	SP #2	:T1	2x4	SP #2	Dense:
Bot chord	2x6 <td>SP #2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	SP #2					
	webs	2x4 <td>SP #3</td> <td></td> <td></td> <td></td> <td></td>	SP #3				

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.55

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

Scale = .1875" / Ft.

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

7.36.0424.11

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

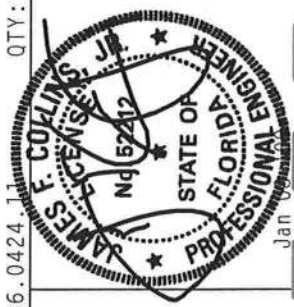
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PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHORDING.

* **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE TRUSS IN COMPLIANCE WITH THE FOLLOWING SPECIFICATIONS:
TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITR BCG
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI.
CONNECTOR PLATES ARE MADE OF 20A19T36GA (W/AL-25X85), ALUM A653 GRADE 40/60 ($M_{\text{MIN}}=55$) GALV. STEEL. ALL
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2,
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX 43 OF TP11-2002 SEC.2. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER AMB/TPI 1 SEC. 2.



Haines City, FL 33844
FL Certificate of Authorization #00798

JREF- 1TDY8228Z01

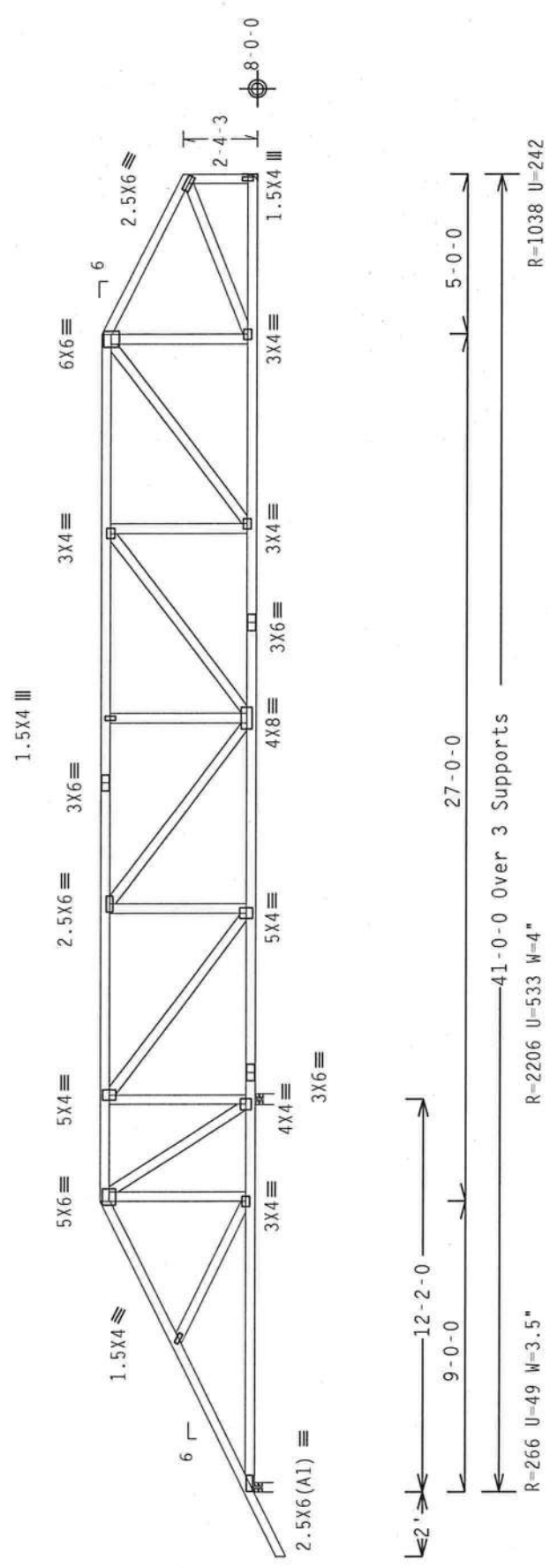
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00 \text{ Gcpi} (+/-)=0.55$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

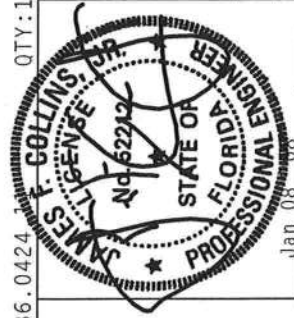
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R8228-	59752
TC DL	10.0	PSF	DATE	01/07/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08007017
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	68999	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1TDY8228Z01	



JREF- 1TDY8228Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET - SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN AVE., CHICAGO, IL 60610) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHLING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. CONNECTOR PLATES ARE MADE OF 2010/10166A (A-36) STEEL, GRADE 40/60 (40 KSI) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/ASA OF TPI-2002 SEC.3.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/ASA TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0376

(8-004--Fill in later DION TAYLOR -- , ** - H11A)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.55

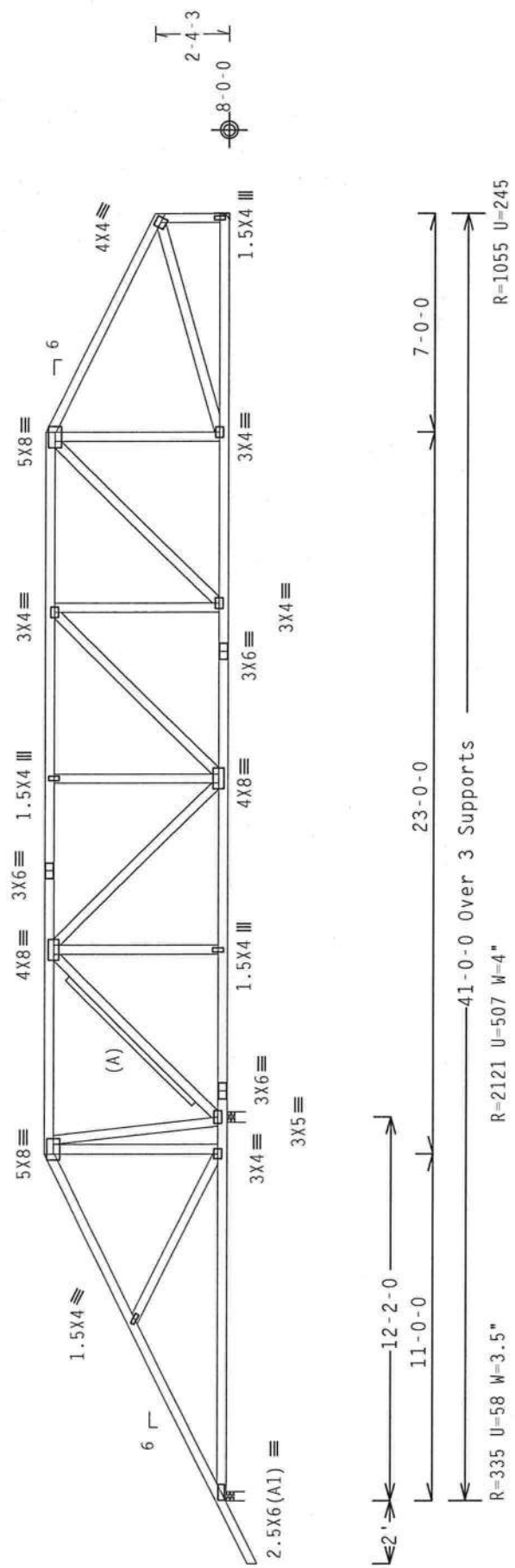
(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

$$\overline{FL/-/4/-/-/R/-/-}$$

QTY:1

0(0) 7.36.0424

$$/RT=1.00(1.25)/1$$
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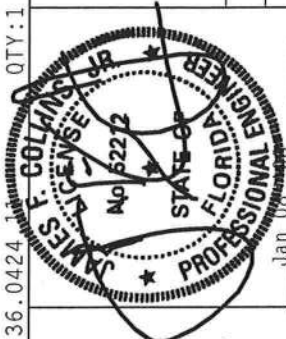
TYP. Wave

PL

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENTS INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGNER'S NOTES: (1) ALL TRUSSES TO BE ORDERED FOR THIS DESIGN (WITH THE EXCEPTED OF THE ITW BCG CONNECTOR PLATES MADE OF 2010/18 UNLESS OTHERWISE NOTED ON THIS DESIGN. POSITION PER DRAWINGS 1600A-2 PLATES TO EACH FACE OF TRUSS AND 1600B/1600C PLATES TO EACH FACE OF TRUSS). (2) ALL TRUSSES TO BE ORDERED FOR THIS DESIGN (WITH THE EXCEPTED OF THE ITW BCG CONNECTOR PLATES MADE OF 2010/18 UNLESS OTHERWISE NOTED ON THIS DESIGN. POSITION PER DRAWINGS 1600A-2 PLATES TO EACH FACE OF TRUSS AND 1600B/1600C PLATES TO EACH FACE OF TRUSS). (3) A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00079

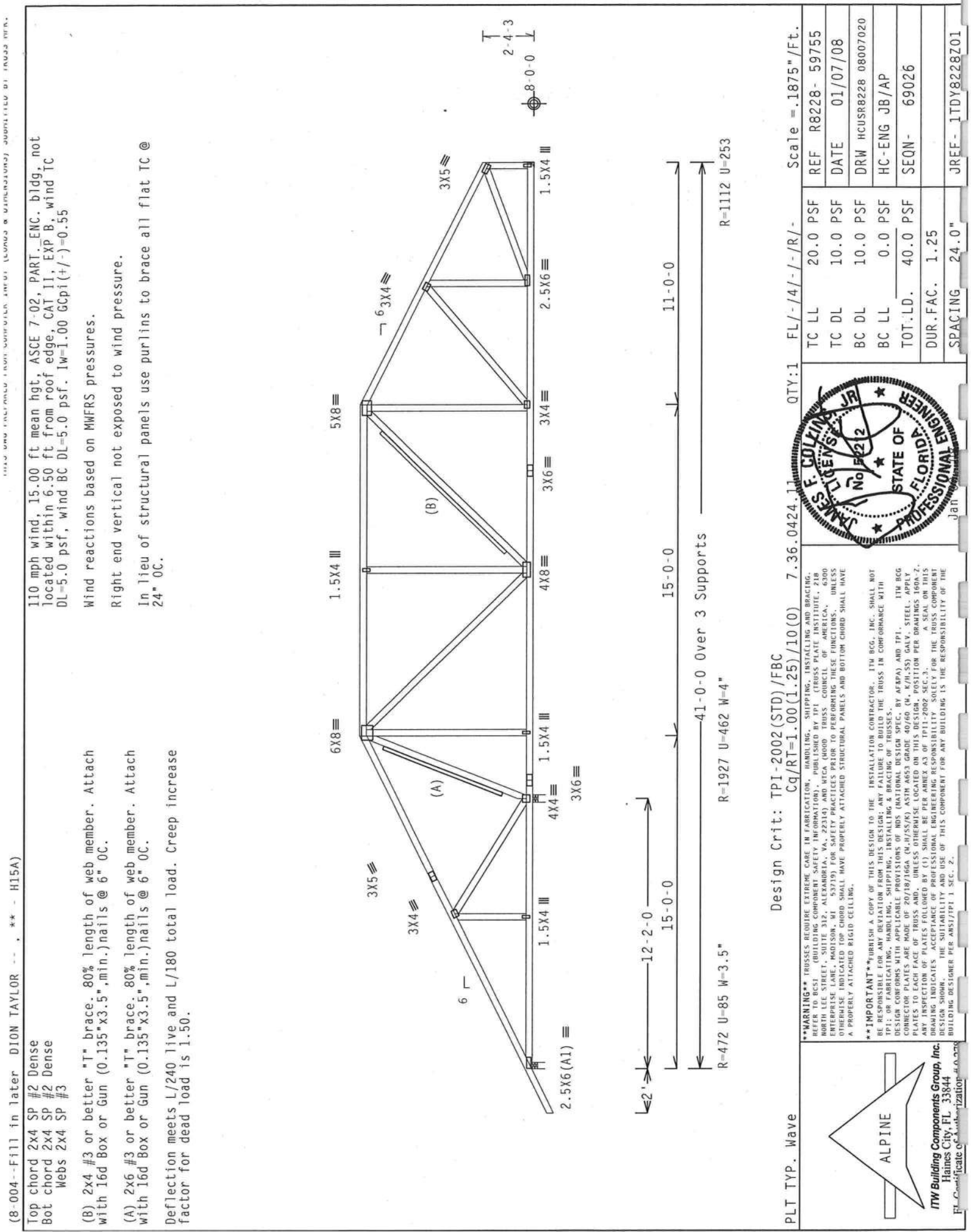
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.55

Wind reactions based on MwFRS pressures.

Right end vertical not exposed to wind pressure.

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





(8-004--Fill in later DION TAYLOR --, ** - H15A)

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

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.55$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

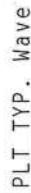
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp(+/-)=0.55

Wind reactions based on MWFRS pressures.

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


$$Ca/RT=1.00(1.25)/10(0)$$

Scale = 1875"/Ft

QTY:1 FL1-141-1-1R/-

424 J. J. van

7.

 $Ca/RT=1.00(1.25)/$

PLT TYP. Wave

[illegible]

REF	R8228- 59756
DATE	01/07/08

TC LL	20.0 PSF
TC DL	10.0 PSF

THOMAS F. COLLINS JR.
LICENSEE

BRACING.
DUTY, 218
A. 6300
UNLESS
SHALL HAVE

ION, HANDLING, SHIPPING, INSTALLATION), PUBLISHED BY TPI (TRUSS PLACEMENT INSTITUTE) AND WICA (WOOD TRUSS COUNCIL OF AMERICA) PRIOR TO PERFORMING THESE ATTACHED STRUCTURAL PANELS AND BOTTOM

THE EXTREME CARE
COMPONENT SAFETY
... ALEXANDRIA,
... 53719) FOR
... RD SHALL HAVE
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****WARNING****
REFER TO BCS
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****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DRW HCUSR8228 08007021
HC-ENG JB/AP

BC DL	10.0 PSF
BC LL	0.0 PSF

№. 52217

SHALL NOT
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INSTALLATION CONTRACTOR. ITW B
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BRACING OF TRISSES.

COPY OF THIS D
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****IMPORTANT**
BE RESPONSIBLE
TPI: OR FABR

ALPINE

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IND (NATIONAL DESIGN SPEC. BY AIRPS) AND TPI. CONNECTOR PLATES ARE MADE OF 20/10/166A (44.0/0.575) LATH A653 GRADE 40/60 (4.7/1.55) GALV. STEEL. APPLIED PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX1P1 SEC. 2.

SEQN -	69043
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TOT.LD.	40.0 PSF
DUR.FAC.	1.25



ITW BCG
EL. APPLY
HGS 160A-Z
AL ON THIS
COMPONENT
ITY OF THE

ADDITIONAL DESIGN SPEC. BY AFAPA) AND
TH A653 GRADE 40/50 (W. K/H.SS) G
LOCATED ON THIS DESIGN. POSITION P
ANNEX A3 OF TPI-2002 SEC.3.
CARRYING RESPONSIBILITY SOLELY FOR T
MENT FOR ANY BUILDING IS THE RES

ABLE PROVISIONS OF 20/18/16GA
S AND, UNLESS ALLOWED BY (1)
ICE OF PROFESSIONALITY AND USE
PI 1 SEC. 2

DESIGN CONFO
CONNECTOR PL
PLATES TO EA
ANY INSPECTI
DRAWING, INDI
DESIGN SHOWN
BUILDING DES

ITW Building Components
Haines City, FL

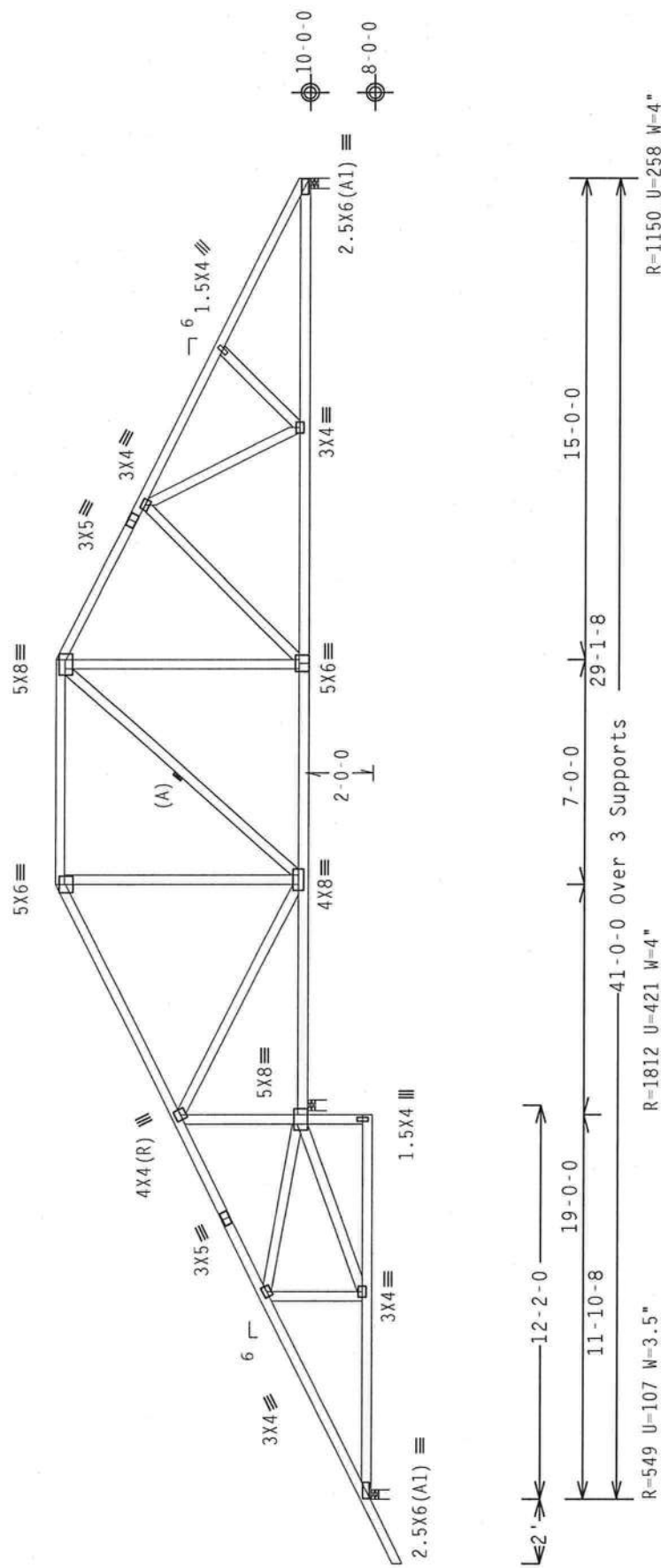
110 mph wind, 15.00 ft mean ht, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAI 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

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

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $C_0/RT=1.00(1.25)/10(0) \quad 7$

OTY·1 EI 1-1Δ1-1-1R1-

Scale = .1875"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 2100 ENTERPRISE LANE, HANCOCK, MA 01930, AND AISC (A000) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HANCOCK, MA 01930, FOR GUIDANCE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CING.

TC	LL	20.0	PSF	REF	R8228-	59757
TC	DL	10.0	PSF	DATE	01/07/08	
BC	DL	10.0	PSF	DRW	HCUJR8228	0800702
BC	LL	0.0	PSF	HC-ENG	JB/AP	
TOT.	LD.	40.0	PSF	SEQN-	69051	

any inspection of plates followed by (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844

PROFESSIONAL ENGINEER
Jan 08/2009

DUR. FAC. 1.25
SPACING 24.0"

JREF- 1TDY8228701

FL Certificate of Authorization #0-038

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

110 mph wind. 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

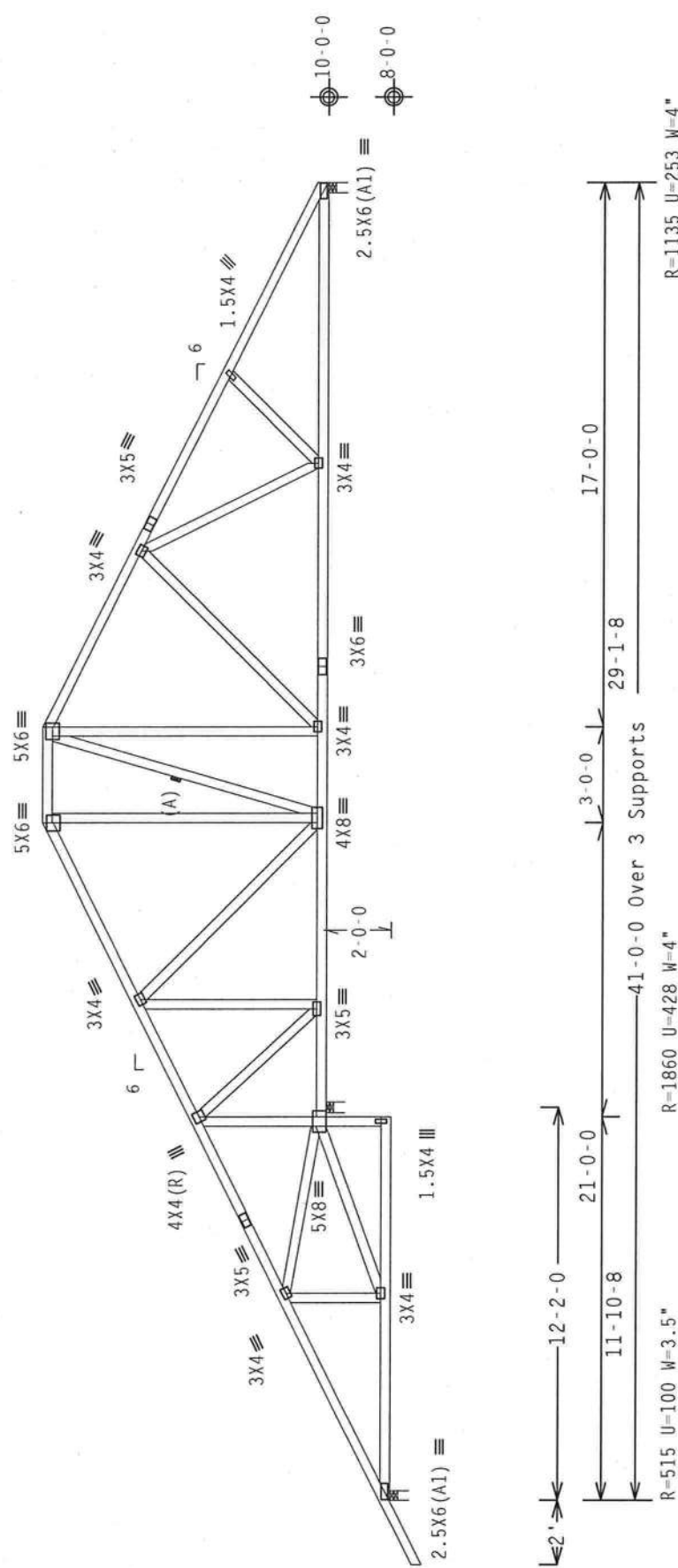
(A) Continuous lateral bracing equally spaced on member.

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.0 GCpi(+/-)=0.55

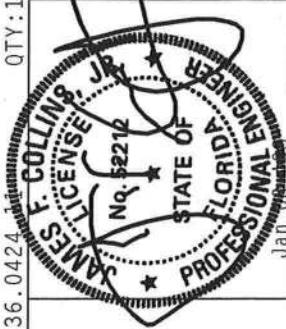
Wind reactions based on MWFRS pressures.

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

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

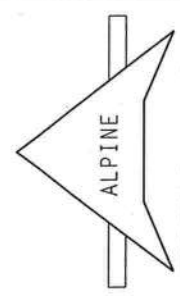
QTY:1 FL/-/4/-/-/R/-
Scale =.1875"/Ft.

FL/-/4/-/-/R/-		Scale = .1875" / Ft.	
TC LL	20.0 PSF	REF	R8228- 59758
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007023
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	69071
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TDY8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE RUSS PLATE INSTITUTE, 218 CENTRAL AVENUE, ALBANY, NY 12207-6901, OR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 NORTH DEERFIELD AVE., MADDISON, IL 60151-1000 FOR SAFETY GUIDELINES. THESE TRUSSES ARE DESIGNED TO BE USED WITHOUT JOINTS UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RUSTID SEALING.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE AISC DESIGN GUIDE #6 (AFIP) AND TPI-1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/18GA U/LA/SXSS/ASTM A653 GRADE 40/60 (K/V-HSS) GALV. STEEL APPLIED PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX 43 OF TPI-1-2002 SEC.3.- A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX/TPI 3 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0-779

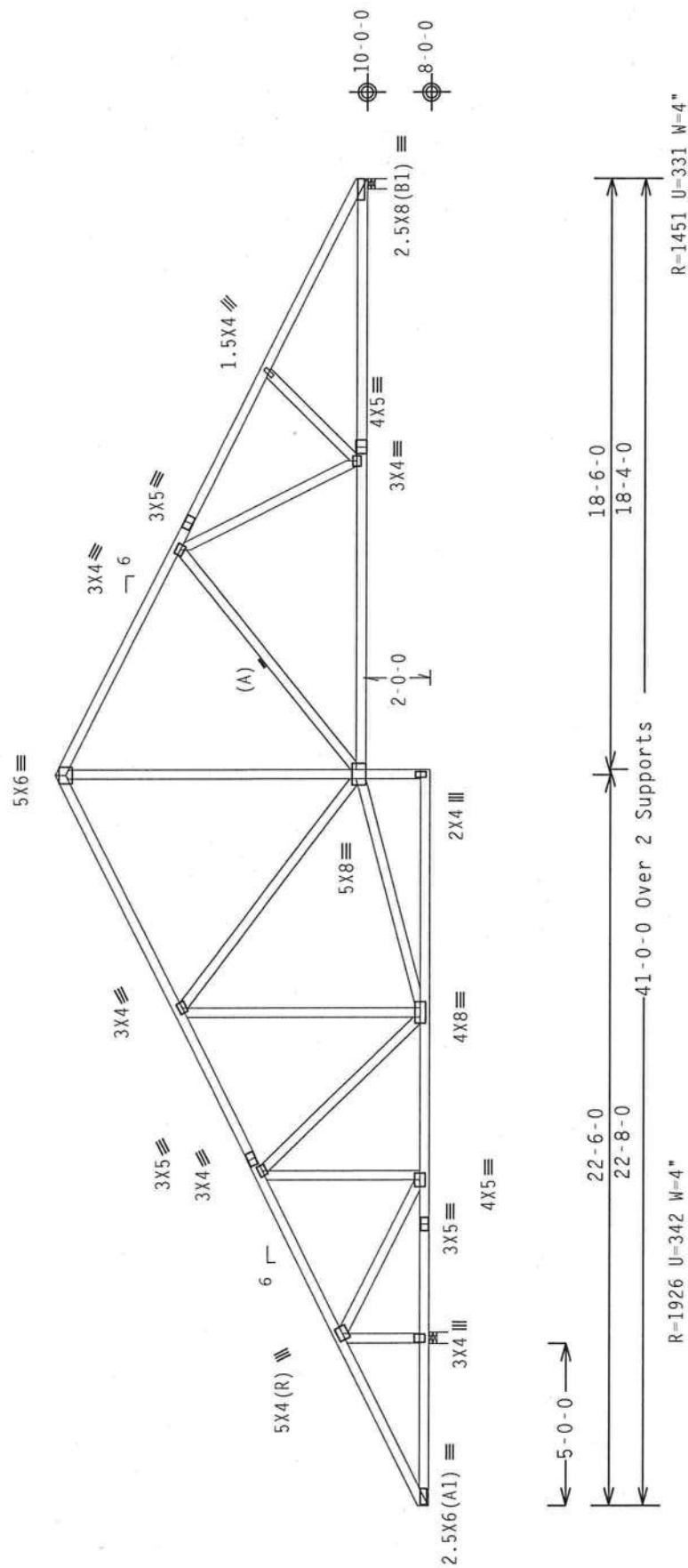
(8-004--Fill in later DION TAYLOR --, ** - A3)

1110 mph wind, 15.00 ft mean hgt., ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, Exp B, wind TC D=5.0 psf, wind BC DL=5.0 psf, wind BC DL=5.0 psf (+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

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

QTY:1

80.

04243

7.3

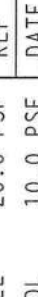
$$25)/10($$
$$= 1.00(1)$$
 Cq/R

55

29

Wave

PLT TYP



ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization #0275

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND HCA (WOOD TRUSS, COUNCIL OF AMERICANS, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 20/18/16GA (W-H/SS/K) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF R8228- 59760
TC DL	10.0	PSF	DATE 01/07/08
BC DL	10.0	PSF	DRW HCUR8228 080070202
BC LL	0.0	PSF	HC-ENG JB/AP
TOT.LD.	40.0	PSF	SEQN- 69108
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1TDY82282701

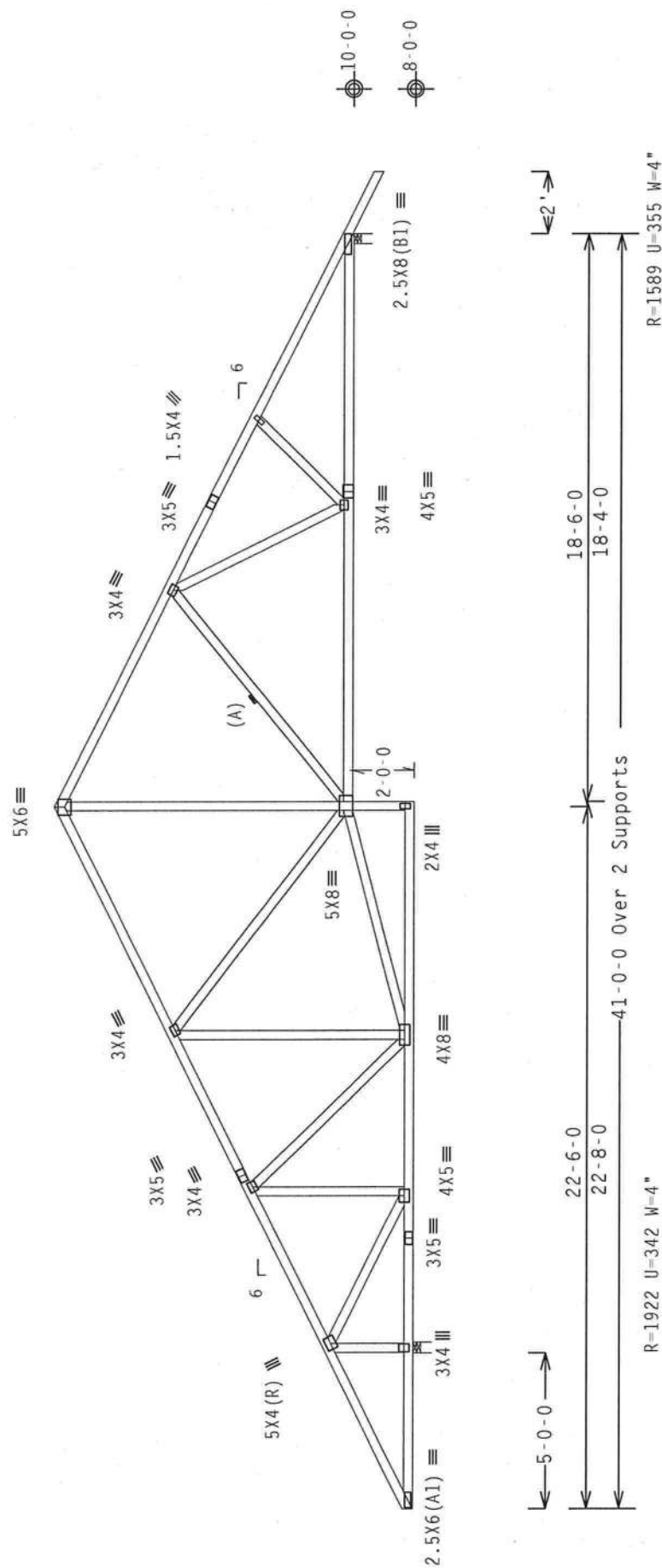
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	webs	2x4	SP	#3	Dense	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.55

(A) Continuous lateral bracing equally spaced on member.

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/4/-/-/R/-
Scale =.1875"/Ft.

QTY:1

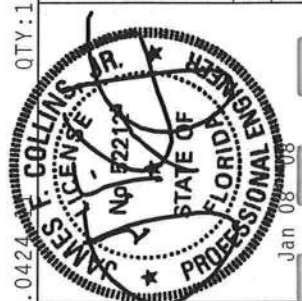
0424

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

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PLT TYP. Wave

TC LL	20.0	PSF	REF R8228- 59761
TC DL	10.0	PSF	DATE 01/07/08
BC DL	10.0	PSF	DRW HCUSR8228 08007020
BC LL	0.0	PSF	HC-ENG JB/AP
TOT.LD.	40.0	PSF	SEQN- 69102
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1TDY8228Z01

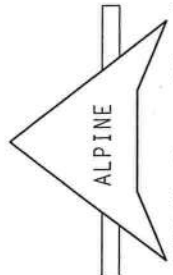


SPACING	24.0"	JREF- 1TDY8228Z01
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WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, THUSS PLATE INSTITUTE, 2701 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MTCA (WOOD THUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNATION OF MATERIALS: (ASTM A36 STEEL, A572 GR50 STEEL, A572 GR60, A572 GR70, A572 GR80, A572 GR90, A572 GR100, A572 GR105, A572 GR110, A572 GR115, A572 GR120, A572 GR125, A572 GR130, A572 GR135, A572 GR140, A572 GR145, A572 GR150, A572 GR155, A572 GR160, A572 GR165, A572 GR170, A572 GR175, A572 GR180, A572 GR185, A572 GR190, A572 GR195, A572 GR200, A572 GR205, A572 GR210, A572 GR215, A572 GR220, A572 GR225, A572 GR230, A572 GR235, A572 GR240, A572 GR245, A572 GR250, A572 GR255, A572 GR260, A572 GR265, A572 GR270, A572 GR275, A572 GR280, A572 GR285, A572 GR290, A572 GR295, A572 GR300, A572 GR305, A572 GR310, A572 GR315, A572 GR320, A572 GR325, A572 GR330, A572 GR335, A572 GR340, A572 GR345, A572 GR350, A572 GR355, A572 GR360, A572 GR365, A572 GR370, A572 GR375, A572 GR380, A572 GR385, A572 GR390, A572 GR395, A572 GR400, A572 GR405, A572 GR410, A572 GR415, A572 GR420, A572 GR425, A572 GR430, A572 GR435, A572 GR440, A572 GR445, A572 GR450, A572 GR455, A572 GR460, A572 GR465, A572 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GR885, A572 GR890, A572 GR895, A572 GR900, A572 GR905, A572 GR910, A572 GR915, A572 GR920, A572 GR925, A572 GR930, A572 GR935, A572 GR940, A572 GR945, A572 GR950, A572 GR955, A572 GR960, A572 GR965, A572 GR970, A572 GR975, A572 GR980, A572 GR985, A572 GR990, A572 GR995, A572 GR1000, A572 GR1005, A572 GR1010, A572 GR1015, A572 GR1020, A572 GR1025, A572 GR1030, A572 GR1035, A572 GR1040, A572 GR1045, A572 GR1050, A572 GR1055, A572 GR1060, A572 GR1065, A572 GR1070, A572 GR1075, A572 GR1080, A572 GR1085, A572 GR1090, A572 GR1095, A572 GR1100, A572 GR1105, A572 GR1110, A572 GR1115, A572 GR1120, A572 GR1125, A572 GR1130, A572 GR1135, A572 GR1140, A572 GR1145, A572 GR1150, A572 GR1155, A572 GR1160, A572 GR1165, A572 GR1170, A572 GR1175, A572 GR1180, A572 GR1185, A572 GR1190, A572 GR1195, A572 GR1200, A572 GR1205, A572 GR1210, A572 GR1215, A572 GR1220, A572 GR1225, A572 GR1230, A572 GR1235, A572 GR1240, A572 GR1245, A572 GR1250, A572 GR1255, A572 GR1260, A572 GR1265, A572 GR1270, A572 GR1275, 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A572 GR2050, A572 GR2055, A572 GR2060, A572 GR2065, A572 GR2070, A572 GR2075, A572 GR2080, A572 GR2085, A572 GR2090, A572 GR2095, A572 GR2100, A572 GR2105, A572 GR2110, A572 GR2115, A572 GR2120, A572 GR2125, A572 GR2130, A572 GR2135, A572 GR2140, A572 GR2145, A572 GR2150, A572 GR2155, A572 GR2160, A572



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0778

(8-004--Fill in later DION TAYLOR --, ** - H19AA)

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

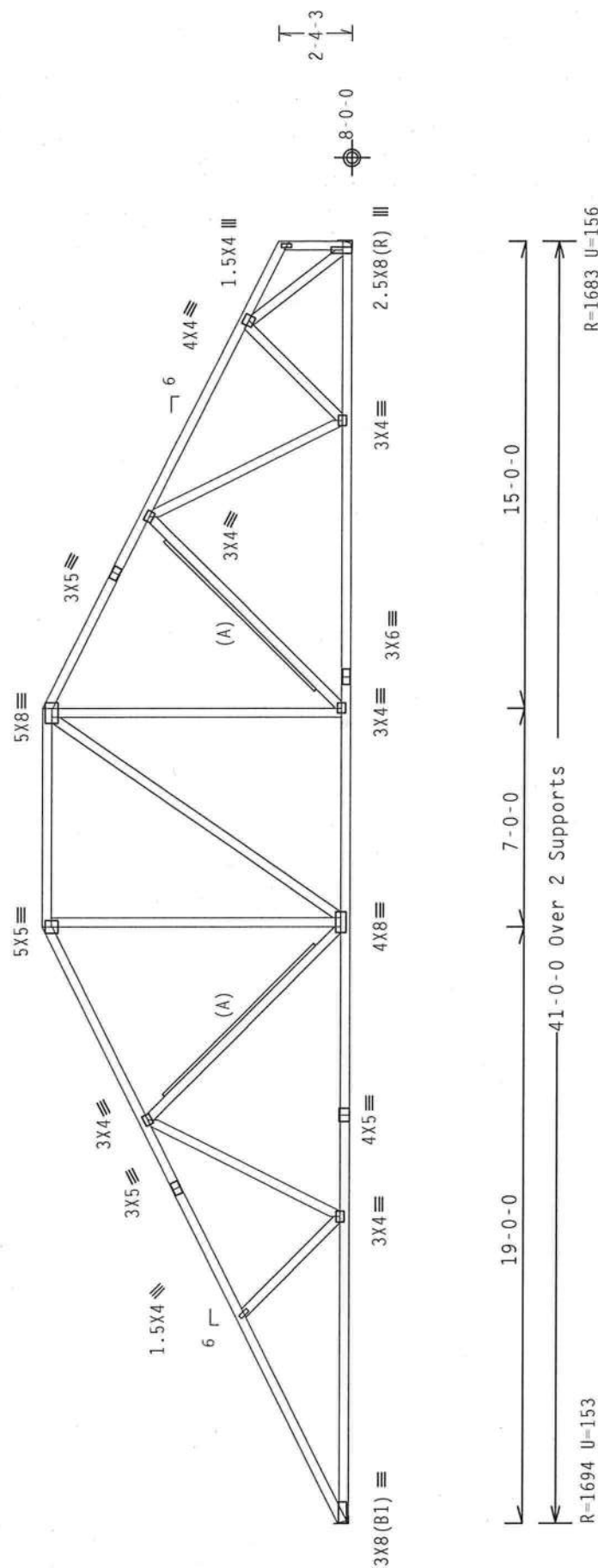
1110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC D1=5.0 psf, wind BC D1=5.0 psf, lw=1.00 Gcpi(+/-)=0.18

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

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

Scale = 1875"/Ft.

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

24.11.

[illegible]

ALPTNF

ITW Building Components Group, Inc.
Haines City, FL 33844

James City, FL 33844
FL Certificate of Authorization # 0278

JREF- 1TDY8228Z01

(8-004--Fill in later DION TAYLOR --, ** - H17AA)

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

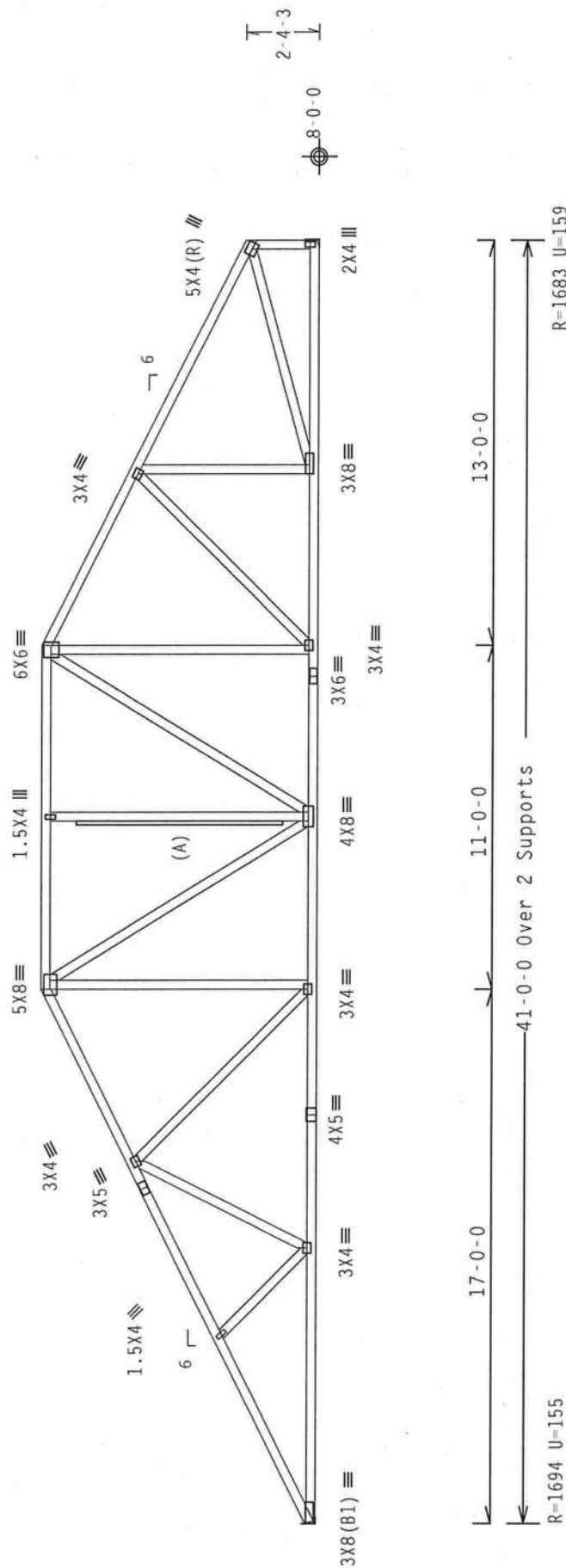
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00$ GCpf (+/-)=0.18

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/4/-/-/R/-
Scale = .1875" / Ft.

PLT TYP. Wave

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH DAKOTA TRUSS COMPANY, INC. (NORTH DAKOTA TRUSS COMPANY), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2300 NORTH LEECE, WILSON, N.D. 58051) AND TPI TRUSS COUNCILS OF AMERICA, 616 ENTERPRISE LANE, MADISON, MI 48051. FOR SALE THROUGHOUT THE UNITED STATES. IF PROTECTIVE PROCEEDINGS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ITH BEG CONNECTION PLATES ARE MADE OF 2017/1604 (A-787/SS5) GALV. STEEL, ACCEPTED FOR USE IN THE CONSTRUCTION OF TRUSSES LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY REPAIR WORK SHALL BE AT THE USER'S RISK. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228-	59764
TC DL	10.0	PSF	DATE	01/07/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08007029
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	69199	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1TDY8228Z01	

(8-004--Fill in later DION TAYLOR -- , ** - H15AA)

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

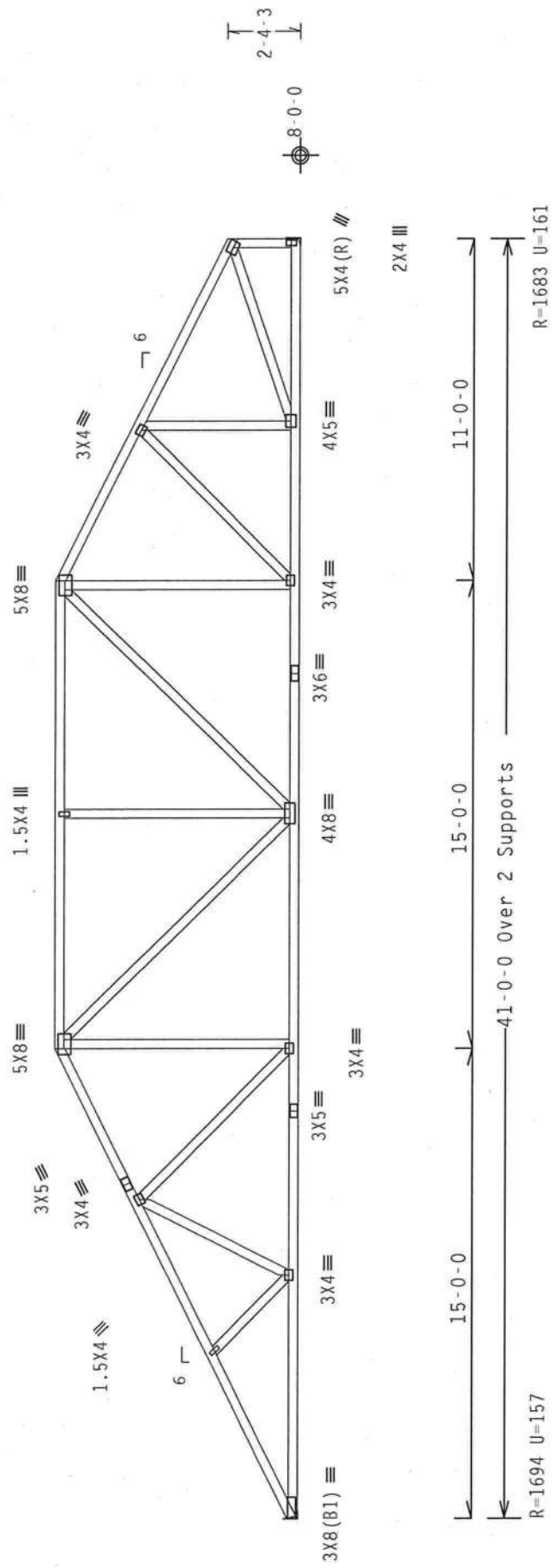
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

Scale = .1875"/Ft.

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

REF R8228- 59765

DATE 01/07/08

DRW HCUSR8228 08007030

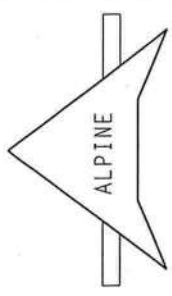
HC-ENG JB/AP

SEQN- 69193

JREF- 1TDY8228Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ITH Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #00028

PLT TYP. Wave

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.14" DL: 0.22" recommended camber 3/8"

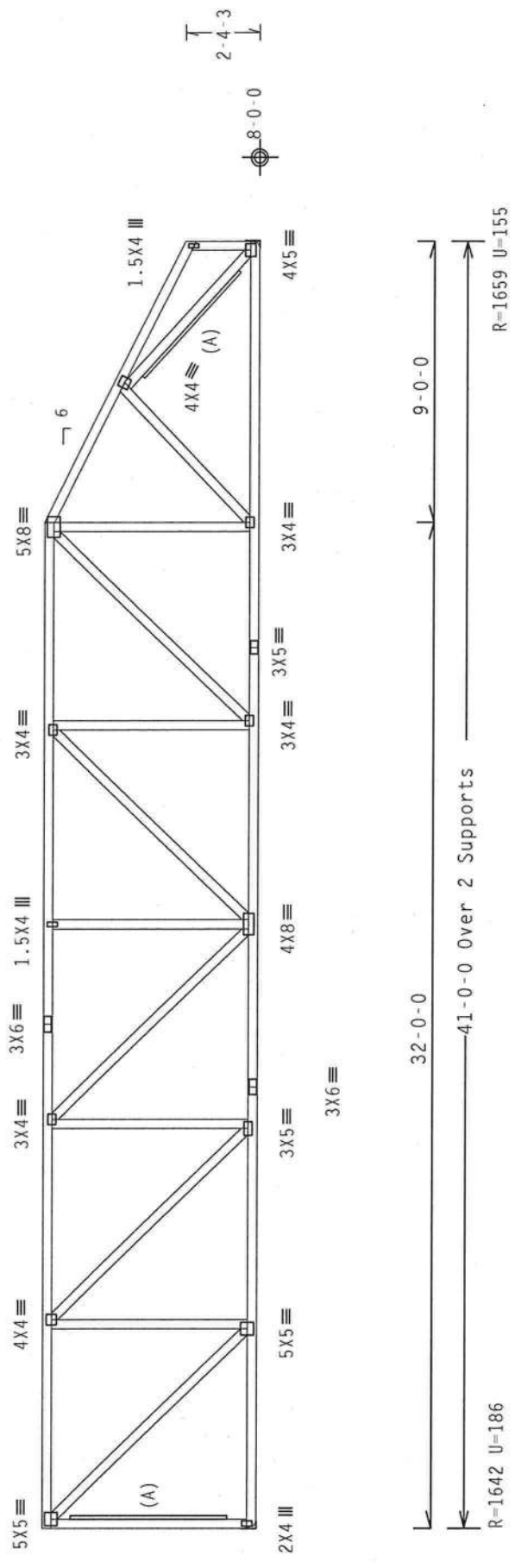
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(-)=0.18$

Wind reactions based on MWFRS pressures.

(A) 1x4 #3 or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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



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

PLT TYP. Wave	QTY:1	FL/-/4/-/R/-	Scale = .1875"/Ft.
	TC LL	20.0 PSF	REF R8228- 59766
	TC DL	10.0 PSF	DATE 01/07/08
	BC DL	10.0 PSF	DRW HCUSR8228 08007031
	BC LL	0.0 PSF	HC-ENG JB/AP
	TOT.LD.	40.0 PSF	SEON- 69209
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1TDY8228Z01



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ITW BCG PLATES TO EACH FACE OF TRUSS. 2007/10/16/06/04/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/121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Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

End verticals not exposed to wind pressure.

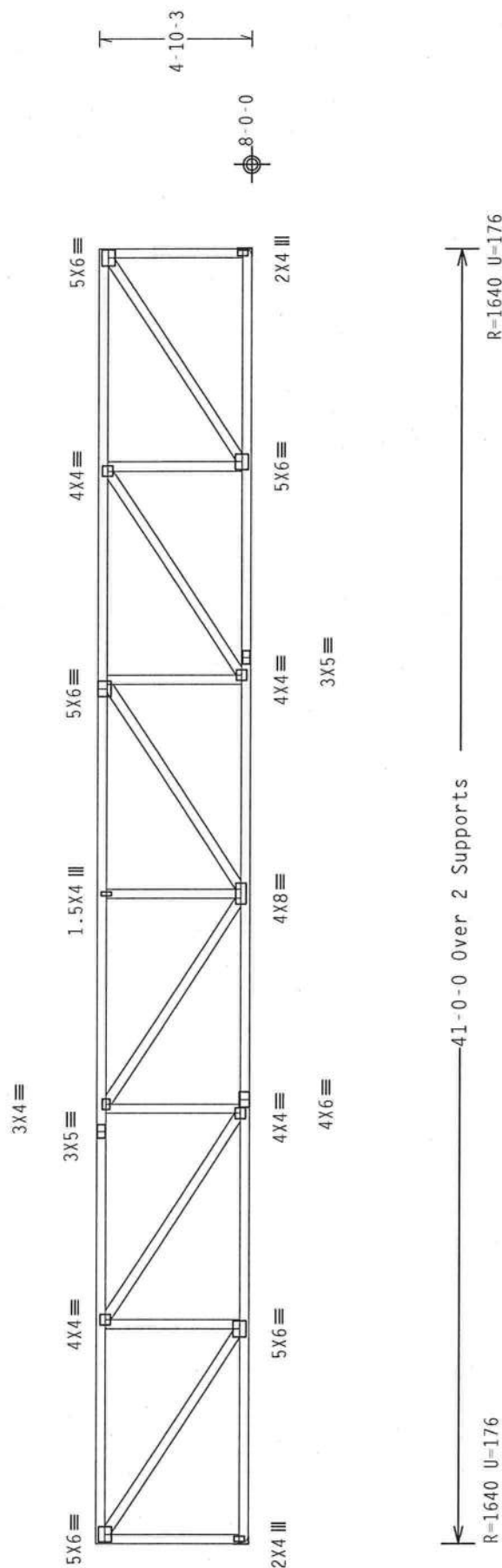
Max JT VERT DEFL: LL: 0.26" DL: 0.40" recommended camber 5/8"

Provide for complete drainage of roof.

Wind reactions based on MWFRS pressures.

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

Truss must be installed as shown with top chord up.

Design Crit: $\text{TPI-2002(STD) / FBC}$
 $\text{Ca/RT}=1.00(1.25) /$

Scale = .1875"/Ft.

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

0424

7.

 $Cq/RT=1.00(1.25)/$

Designing a

PLT TYP. Wave

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization #0078

Jan 08 2003

JREF- 1TDY8228Z01

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITW TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC, BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/186GA (W/55/K) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY T1 SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

REF	R8228- 59768	TC LL	20.0 PSF
DATE	01/07/08	TC DL	10.0 PSF
DRW	HCUSR8228 08007033	BC DL	10.0 PSF
HC-ENG	JB/AP	BC LL	0.0 PSF
SEQN-	69230	TOT.LD.	40.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)

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

Webbs : 1 Row @ 4" o.c.
BOL CHORD : 1 Row @ 12" o.c.

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

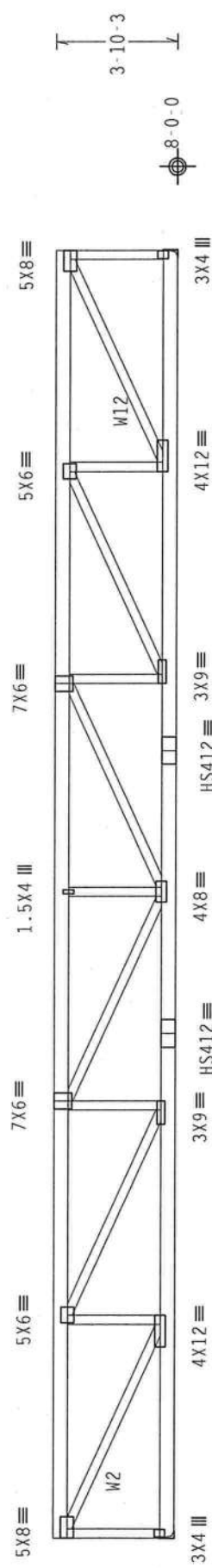
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.42" DL: 0.62" recommended camber 1"

Calculated vertical deflection is 0.42" due to live load and 0.62" due to dead load at $X = 20-6-0$.

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



-41-0-0 Over 2 Supports

R=4214 U=962

 $R=4262 \quad ||=977$

Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

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

0424

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

PLT TYP. 20 Gauge HS, Wave

*WARNING** TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 2718 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND (WOOD (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

JREF- 1TDY8228Z01

Jan 08

2.

Haines City, FL 33844
FL Certificate of Authorization # 00278

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

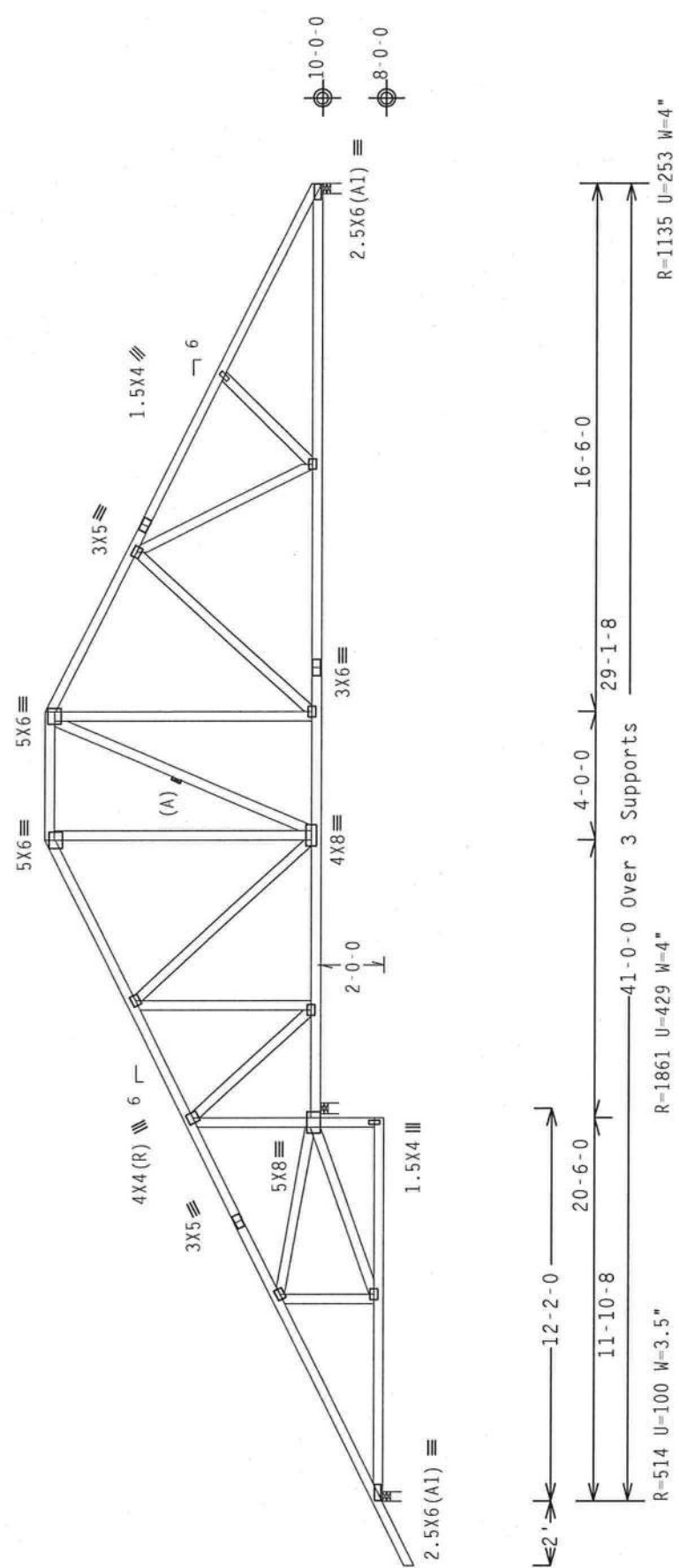
(A) Continuous lateral bracing equally spaced on member.

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

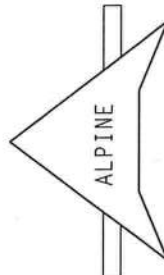
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



Note: All Plates Are 3x4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.11 QTY:1 FL/-/4/-/4/-/R/- Scale = .1875"/Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0.028

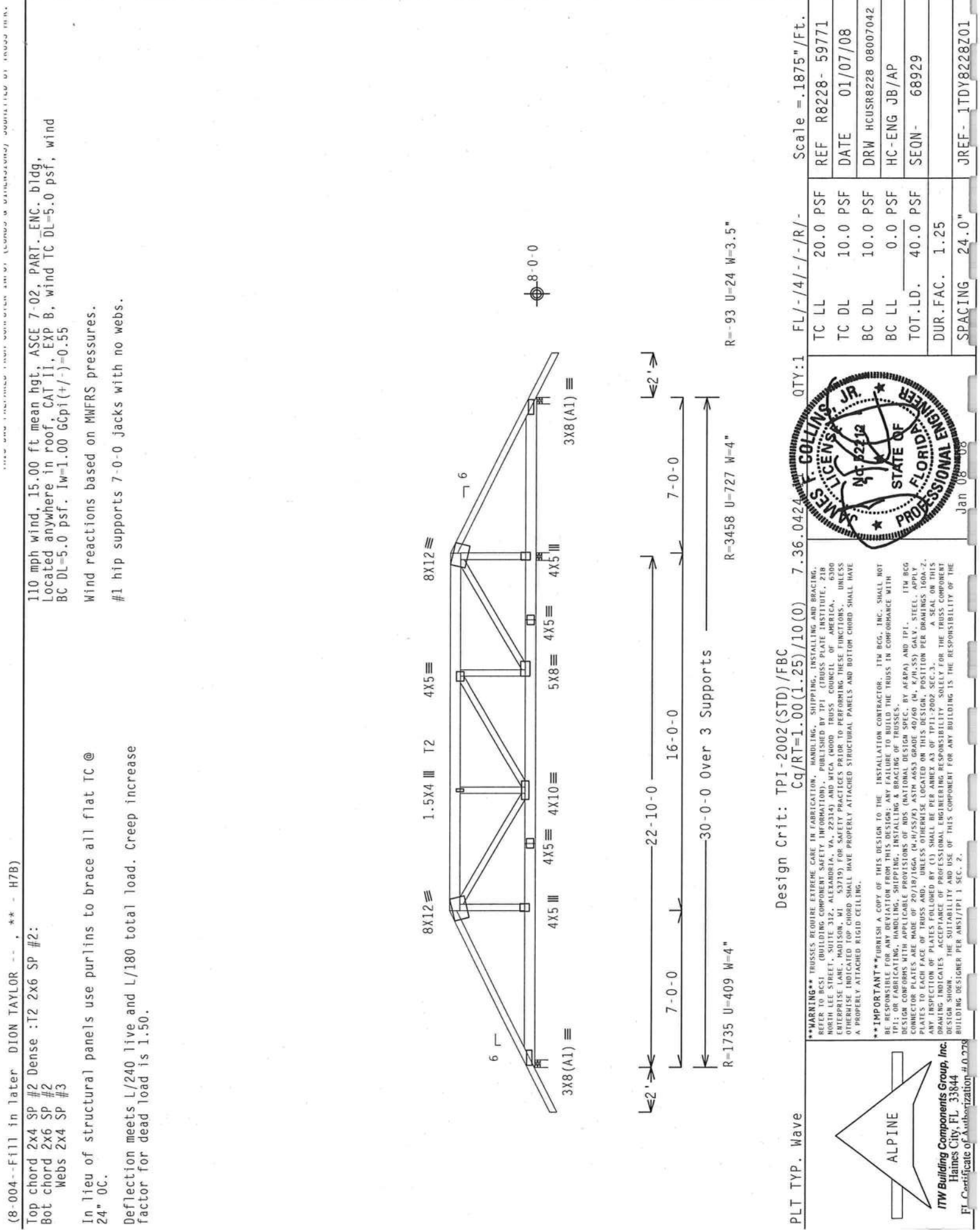
PLT TYP. Wave

REF R8228- 59770
DATE 01/07/08
DRW HCUSR8228 08007034
HC-ENG JB/AP
SEQN- 69093
JREF- 1TDY8228Z01

FLORIDA PROFESSIONAL ENGINEER
JANUARY 2008
No. 52242

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 214 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/55/K) ASTM A563 GRADE 40/60 (H, K/H, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN CONFIRMS THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(8-004--Fill in later DION TAYLOR --, ** - H7B)

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

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

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

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.55

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

QTY:1	FL/-/4/-/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 59771
TC DL	10.0 PSF	DATE 01/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08007042
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 68929
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TDY8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAJ) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/9X) ASTM A653 GRADE 40/60 (4, 4/16/55) GALV. STEEL. APPLY A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #00278

Jan 08 '08

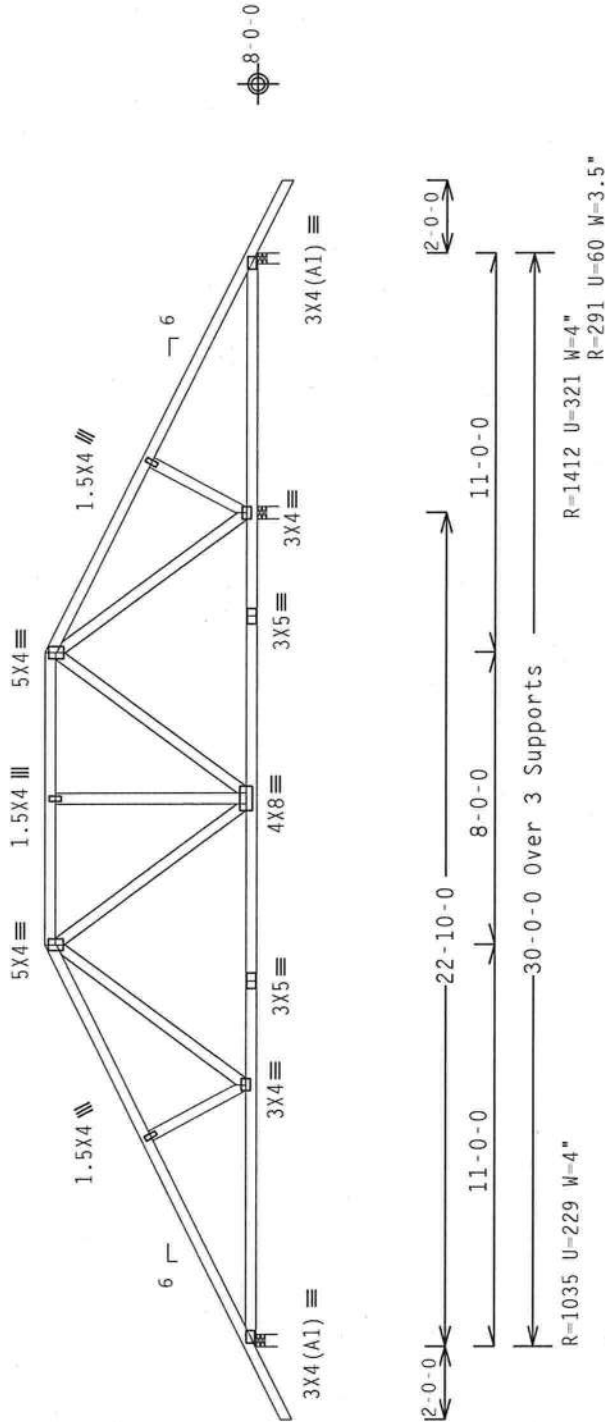
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

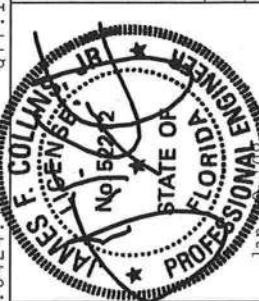
7.36.0424.11

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

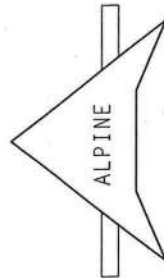
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2010/166A (4-H/55/73) ASTM A653 GRADE 40/60 (4, 8/11.55) GALV. STEEL. APPLY TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ADVISE THE USER OF THE TRUSS OF THE LOCATION OF ALL CONNECTOR PLATES. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1/1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 59773
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007036
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN	68940
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1TDY8228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
EL Certificate of Authorization #0.278

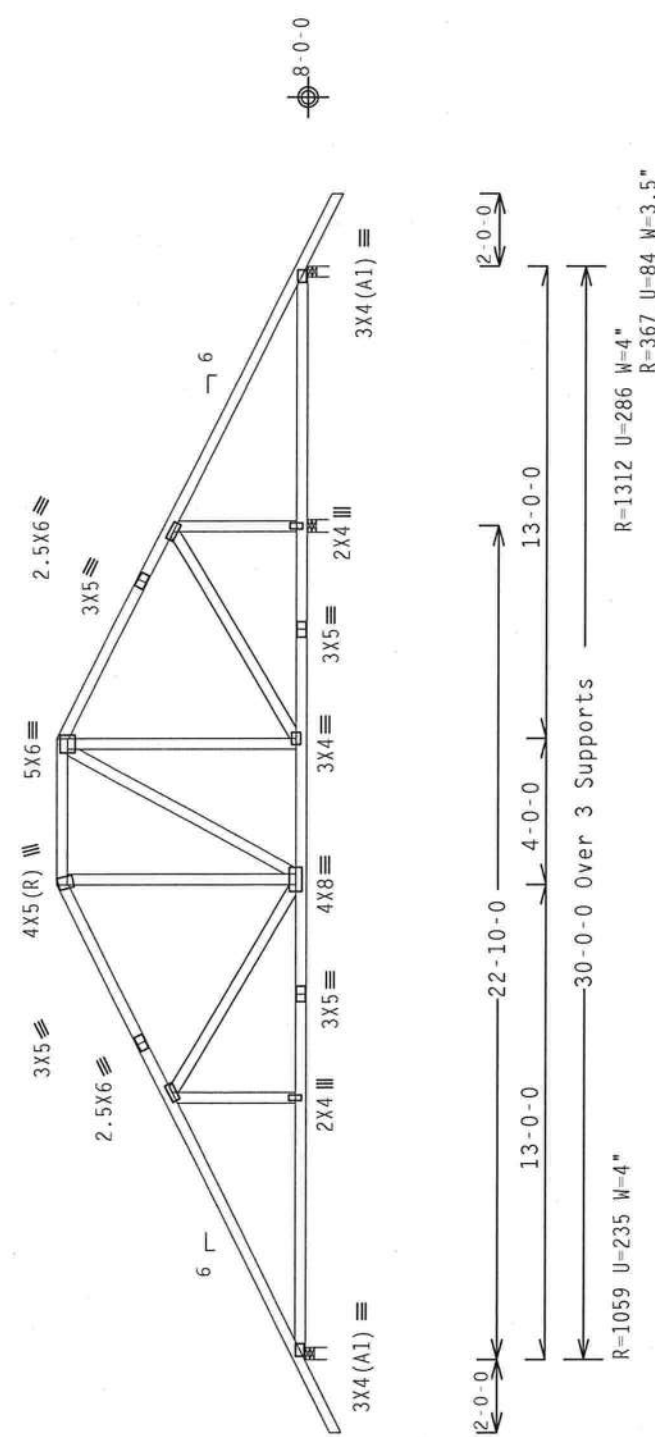
op chord 2x4 SP #2 Dense
ot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

in lieu of structural panels use purlins to brace all flat TC @ 4" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

QTY: 1

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

Scale =.1875"/Ft.

REF R8228- 59774

DATE 01/07/08

DRW HCUR8228 08007037

HC-ENG JB/AP

SEQN- 68948

JREF- 1TDY8228Z01

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	SPACING
SPACING	24.0"	JREF- 1TDY8228Z01



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS SYSTEM INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI.

CONNECTOR PLATES ARE MADE OF 20X18/16GA (N/H/55/2K) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TPI-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT FOR THE ENTIRE BUILDING. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x8 SP SS :W2, W3 2x4 SP #3:
:W4 2x4 SP #2 Dense:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.00 to 62 PLF at 15.00
TC - From 62 PLF at 15.00 to 62 PLF at 32.00
BC - From 4 PLF at -2.00 to 4 PLF at -0.00
BC - From 20 PLF at -0.00 to 20 PLF at 30.00
BC - From 4 PLF at 30.00 to 4 PLF at 32.00
PLB- 4490 LB Conc. Load at (7.13,8.04)
PLB- 1640 LB Conc. Load at (9.06,8.04)
PLB- 1641 LB Conc. Load at (11.06,8.04) (13.06,8.04)
PLB- 1694 LB Conc. Load at (15.06,8.04) (17.06,8.04)
PLB- 1684 LB Conc. Load at (21.06,8.04)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpl(+/-)=0.55

Cluster (0.128"x3.0" Gun nails) in face opposite hanger of (3) ply truss as shown by nail circles.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.

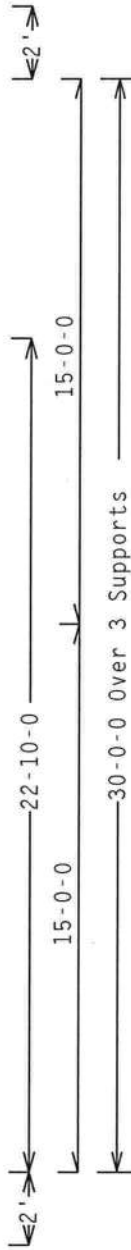
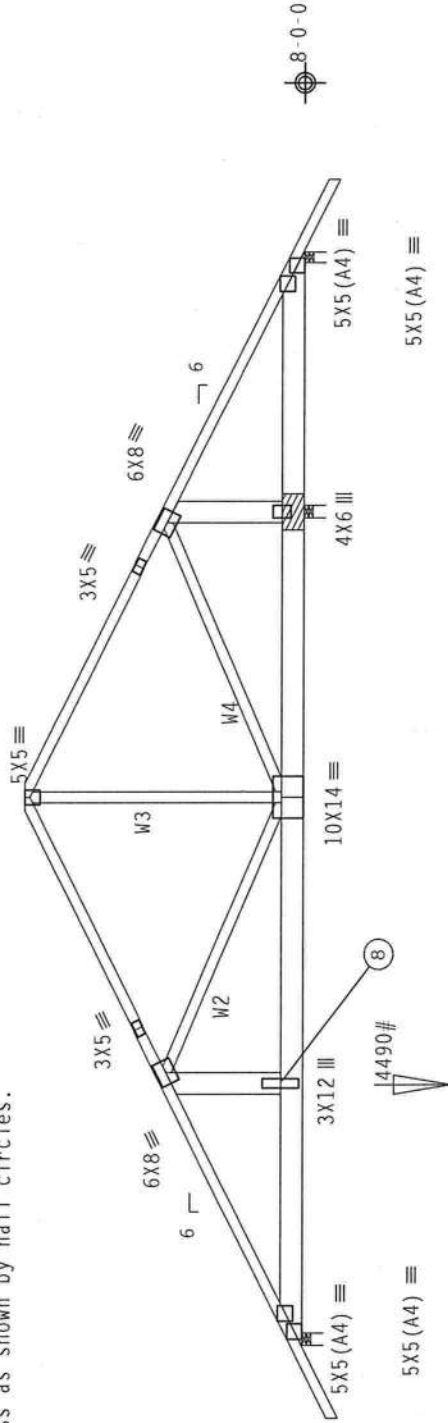
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 10d Box or Gun (0.128"x3", min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
22.667' 1 12" 18
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGK0207 for additional information.

Wind reactions based on MWFRS pressures.

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

** NEGATIVE REACTION OF 1814 FROM A NON-WIND LOAD CASE REQUIRES UPLIFT CONNECTION.
BUILDING DESIGNER MUST APPROVE AND PROVIDE CONNECTION.



R=7471 U=1849 W=4"

R=13260 U=3281 W=4"

R=-1814 RW=449 W=3.5***

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

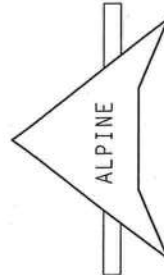
7.36.0424.11

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

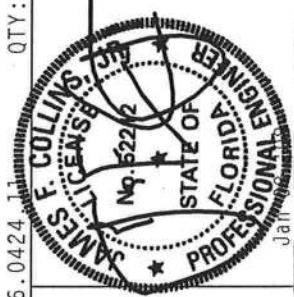
Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY PRACTICES FOR TRUSSES, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WCA TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/16GA (4-M/55/S) ASTM A653 GRADE 40/60 (4. K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SIGNATURE OF THE PROFESSIONAL ENGINEER IS REQUIRED FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SIGNATURE OF THE BUILDING DESIGNER IS REQUIRED FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0278



TC LL	20.0 PSF	REF	R8228- 59775
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007043
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	69243
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TDY8228Z01

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

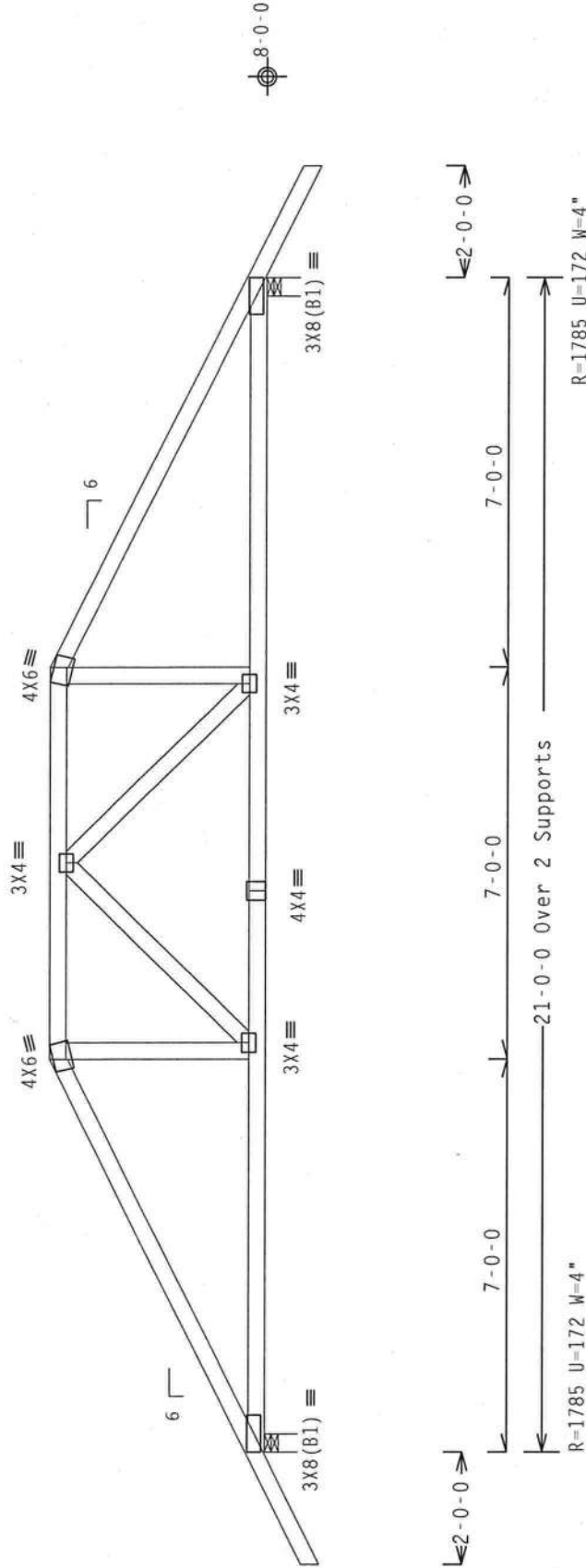
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/4/-/R/-	Scale = .3125"/Ft.
ALPINE	TC LL	20.0 PSF	REF R8228- 59776
ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 0278	TC DL	10.0 PSF	DATE 01/07/08
	BC DL	10.0 PSF	DRW HCUSR8228 08007044
	BC LL	0.0 PSF	HC-ENG JB/AP
	TOT.LD.	40.0 PSF	SEQN- 68976
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1TDY8228Z01

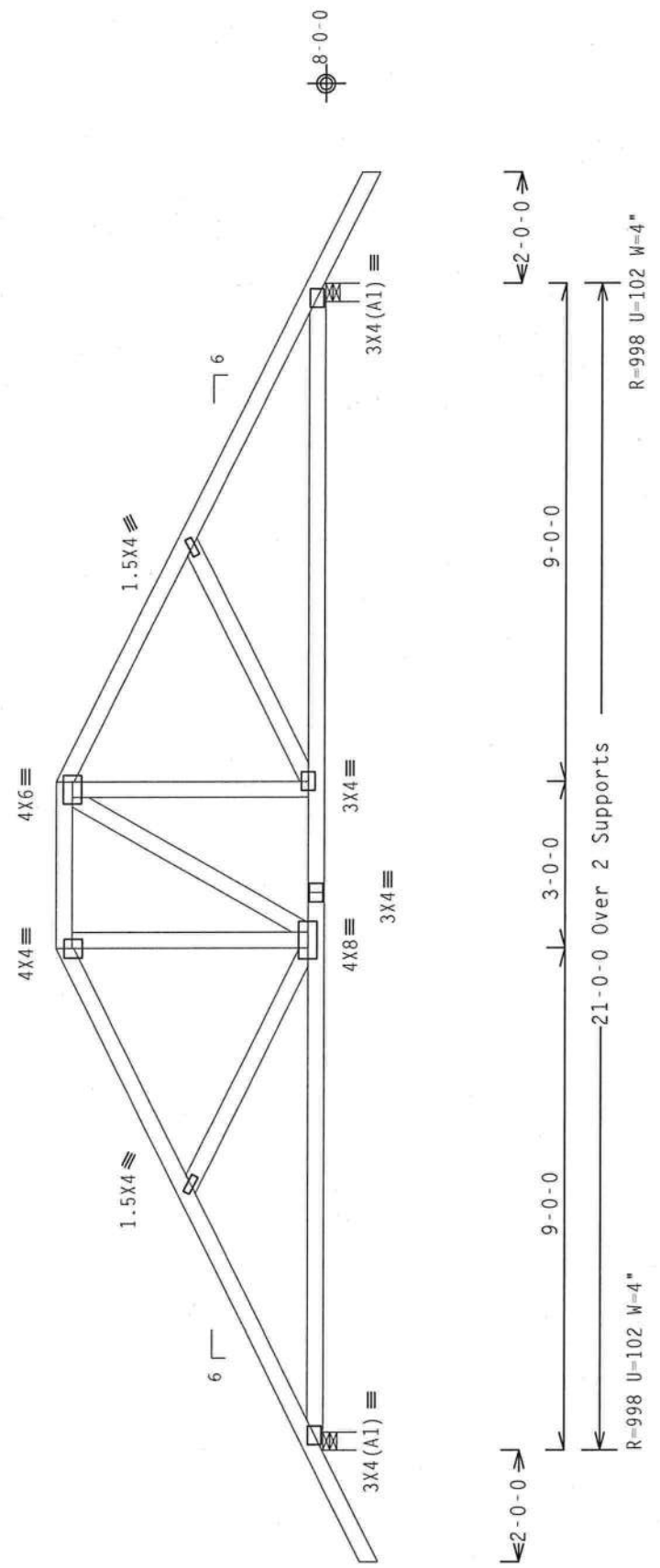
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1		FL / - / 4 / - / - / R / -	Scale = .3125" / Ft.
	TC LL	20.0 PSF	REF	R8228 - 59777
	TC DL	10.0 PSF	DATE	01/07/08
	BC DL	10.0 PSF	DRW	HCUSR8228 08007010
	BC LL	0.0 PSF	HC-ENG	JB/AP
	TOT.LD.	40.0 PSF	SEQN	48888
DUR.FAC.				1.25
SPACING				24.0"
JREF				1TDY8228201



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITN BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITN BCG CONNECTOR PLATES ARE MADE OF 2017/1606 (4-H/SS/3) ASH A653 GRADE 40/60 (4, 8/M-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWING BY THE INSTALLATION CONTRACTOR. ITN BCG SHALL BE RESPONSIBLE FOR THE DESIGN, DRAWING, INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W1, W7 2x8 SP SS:

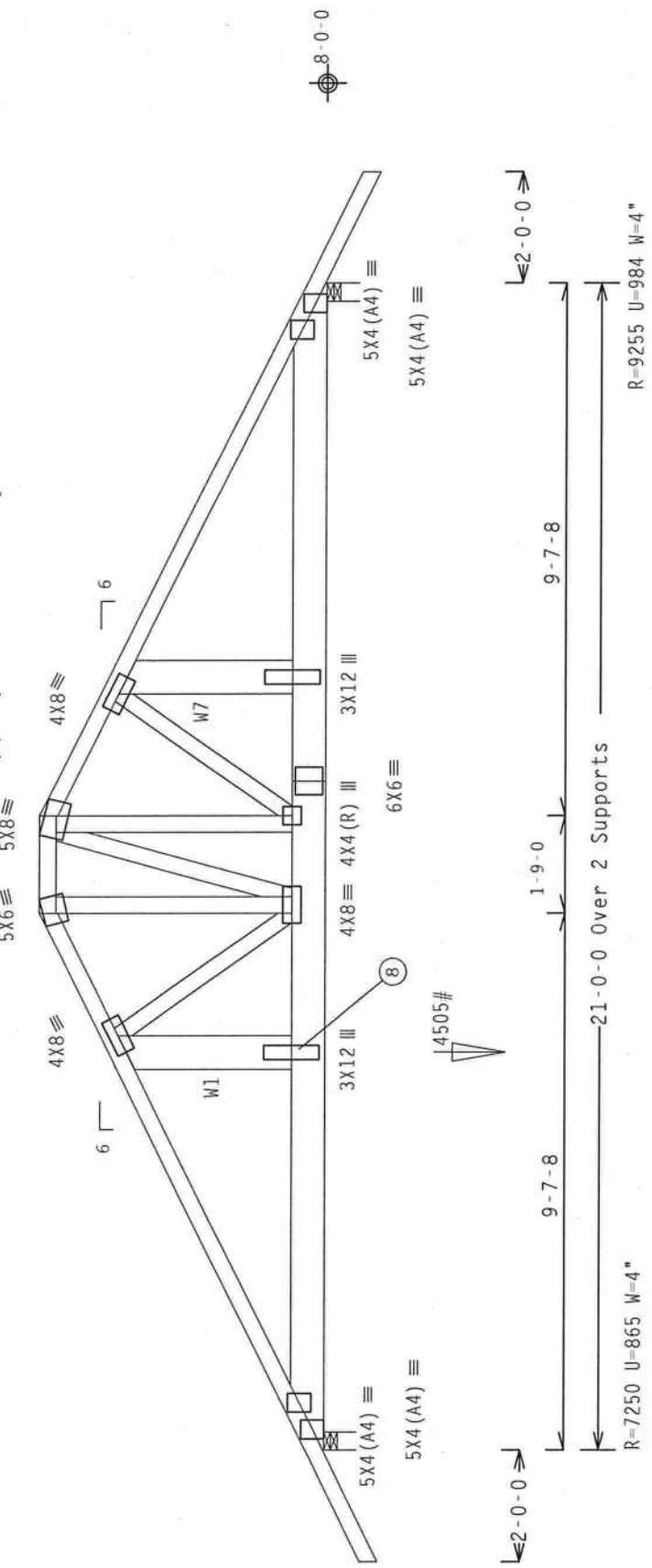
SPECIAL LOADS	
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
TC - From	62 PLF at 9.75
TC - From	62 PLF at 11.25
TC - From	62 PLF at 23.00
BC - From	4 PLF at 0.00
BC - From	4 PLF at 21.00
BC - From	4 PLF at 23.00
BC - 4505 LB Conc. Load at	7.13
BC - 1640 LB Conc. Load at	9.06
BC - 1655 LB Conc. Load at	11.06
BC - 1659 LB Conc. Load at	13.06
BC - 1683 LB Conc. Load at	15.06, 17.06, 19.06

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

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18
Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Cluster (0.128"x3.0" Gun_nails) in face opposite hanger of (3) Ply truss as shown by nail circles.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1		FL/-/4/-/-/R/-		Scale = .3125"/Ft.	
	TC LL	20.0 PSF	REF	R8228 -	59778	
	TC DL	10.0 PSF	DATE	01/07/08		
	BC DL	10.0 PSF	DRW	HCUSR8228	08007045	
	BC LL	0.0 PSF	HC-ENG	JB/AP		
	TOT.LD.	40.0 PSF	SEQN	49425		
DUR.FAC.		1.25				
SPACING		24.0"				
			JREF - 1TDY8228201			



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304. AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/SS/3) ASTM A653 GRADE 40/60 (4, 8/H-SS) GALV. STEEL. APPLY PLATED END OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PERFORM PER DRAWINGS 100A-2. AS BASIS OF DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

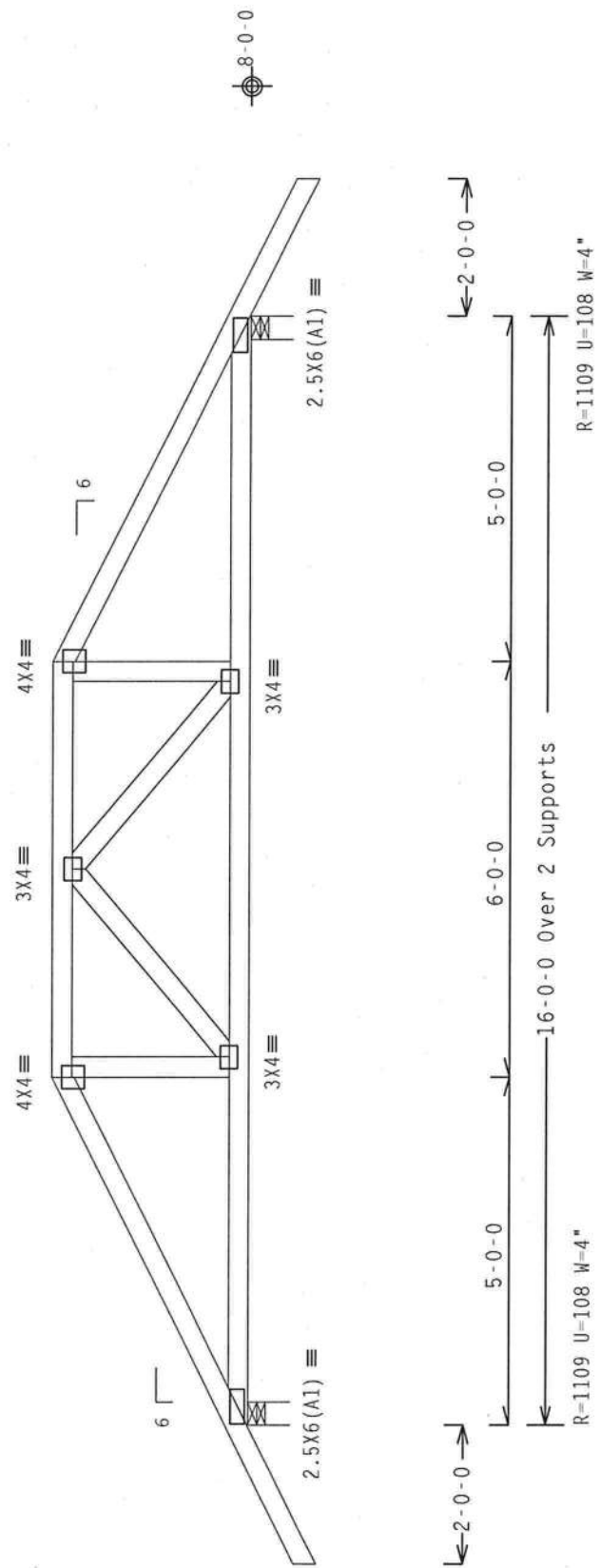
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

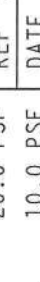
#1 hip supports 5-0-0 jacks with no webs.

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

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

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

Scale = .375"/Ft.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0 278

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPTI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND IPTI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/P) ASTM A653 GRADE 40/50 (W, K/H, S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPTI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.

Jan 08 08

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.

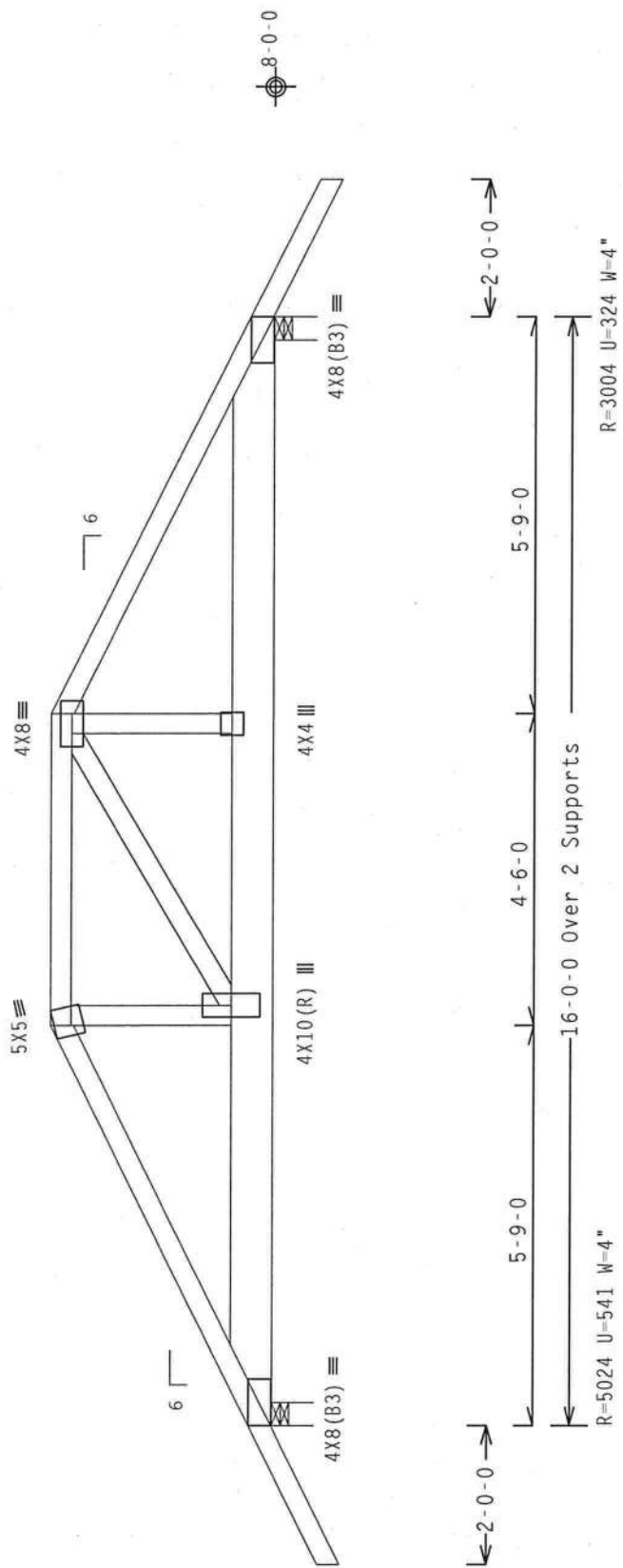
Webbs : 1 Row @ 4" 0.c.
Bot chord. : 1 Row @ 3.75" 0.c.

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

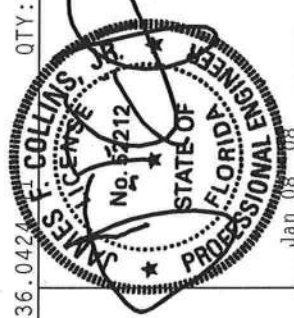
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$
$$\text{Scale} = .375" / \text{Ft.}$$

TC LL	20.0	PSF	REF	R8228 - 59780
TC DL	10.0	PSF	DATE	01/07/08
BC DL	10.0	PSF	DRW	HCUSR8228 08007047
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN -	69030
DUR.FAC.	1.25			
SPACING	24.0"		JREF -	1TDY8228Z01



Jan 08 08

JREF- 1TDY8228Z01

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, (TRUSS PLATFORM INC.), #200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND TRUSS COUNCIL OF AMERICA, #3000 ENTERPRISE LANE, MADISON, WI, 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A FAILURE OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4H/55K) ASTM A653 GRADE 40/60 (M, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.

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

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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

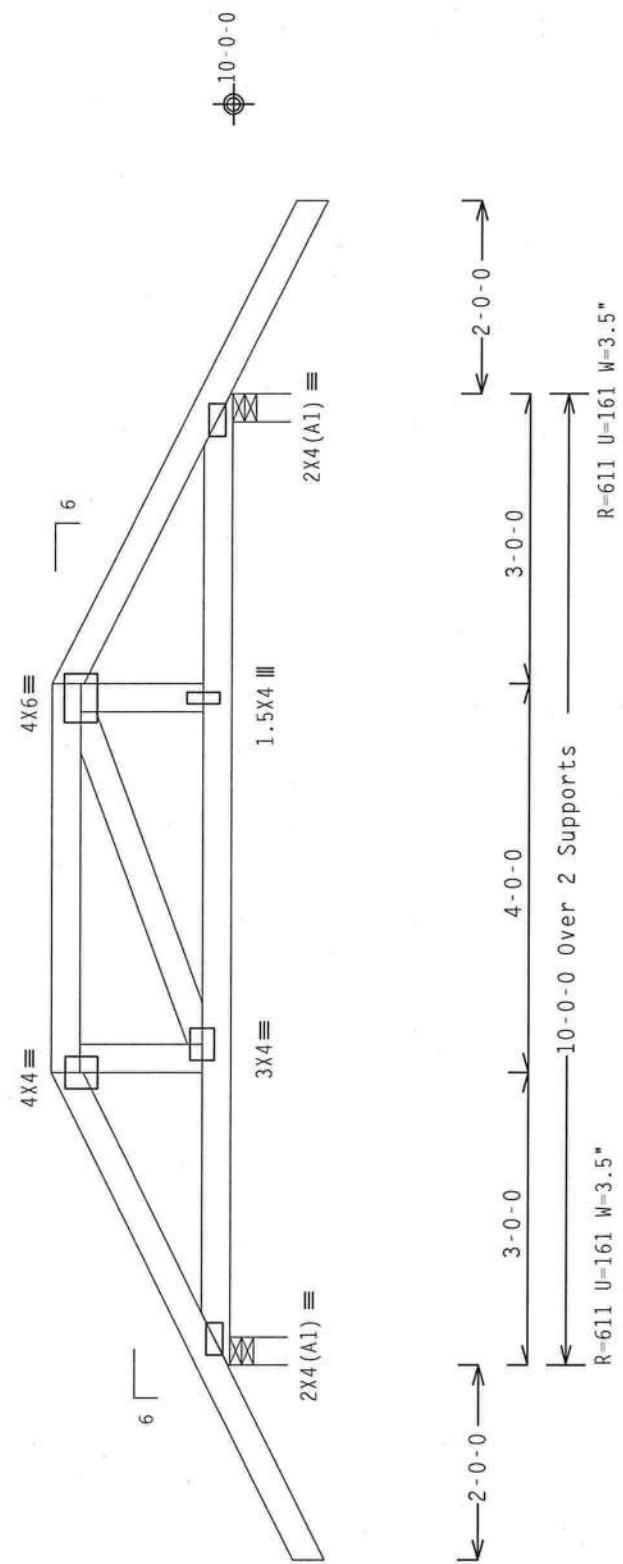
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg,
Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

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

Wind reactions based on MWFRS pressures.

#1 hip supports 3-0-0 jacks with no webs.

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



Design Crit: TPI-2002(STD)/FBC

0424 1 FL / - / 4 / - / - / R / - QTY: 1 Scale = .5" / Ft.

FL/-/4/-/-/R/-		Scale =.5"/Ft.
TC LL	20.0 PSF	REF R8228- 59781
TC DL	10.0 PSF	DATE 01/07/08
BC DL	10.0 PSF	DRW HCUR8228 08007048
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 68895
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TDY8228Z01

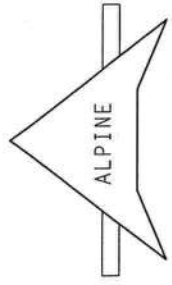


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PREFER TO BEST (BUILDING COMPONENTS INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD IN CONFORMANCE WITH TPI-1 OR CORRECTING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TYPICAL DETAIL CONNECTIONS AND MATERIAL SPECIFICATIONS
TYPICAL DETAIL CONNECTIONS AND MATERIAL SPECIFICATIONS

DRAWN BY: JAMES HARRIS DATE: 07/19/16GALVNEEDLASSMATERIAL SPECIFICATION PER AFDPA AND TPI.
CORRUGATED PLATES ARE MADE OF 70/18/GALVNEEDLASSMATERIAL SPECIFICATION PER AFDPA AND TPI.
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER PARAGRAPHS 160A-2,
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHX 43 OF TPI-1-2002 SEC-3,
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.
THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



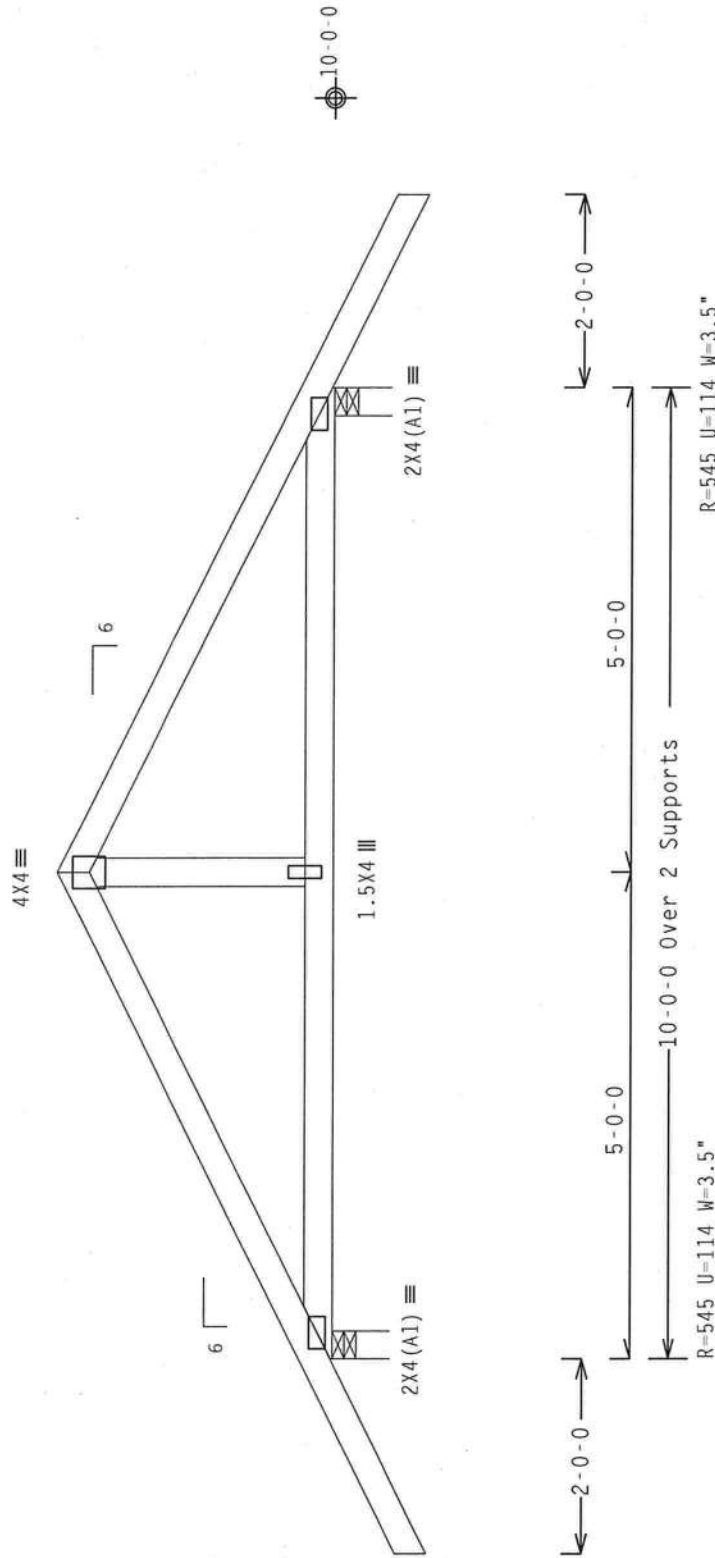
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.55$

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

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

7.36.0424.11

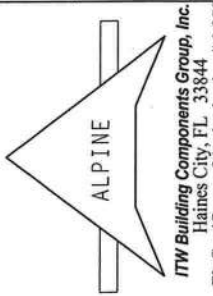
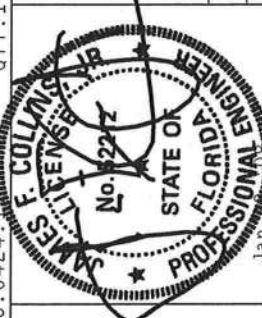
QTY:1

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 59782
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007011
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	68952
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TDY8228Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60 (4, 8/16, 5/8) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



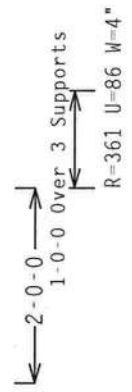
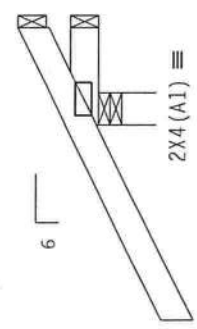
(8-004--Fill in later DION TAYLOR --, ** - CJ1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 G_{ci}(+/-)=0.55
Wind reactions based on MWFRS pressures.

R=-110 Rw=44 U=76



R=-35 Rw=24 U=30



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

QTY:1 FL/- /4/- /- /R/- Scale =.5"/Ft.

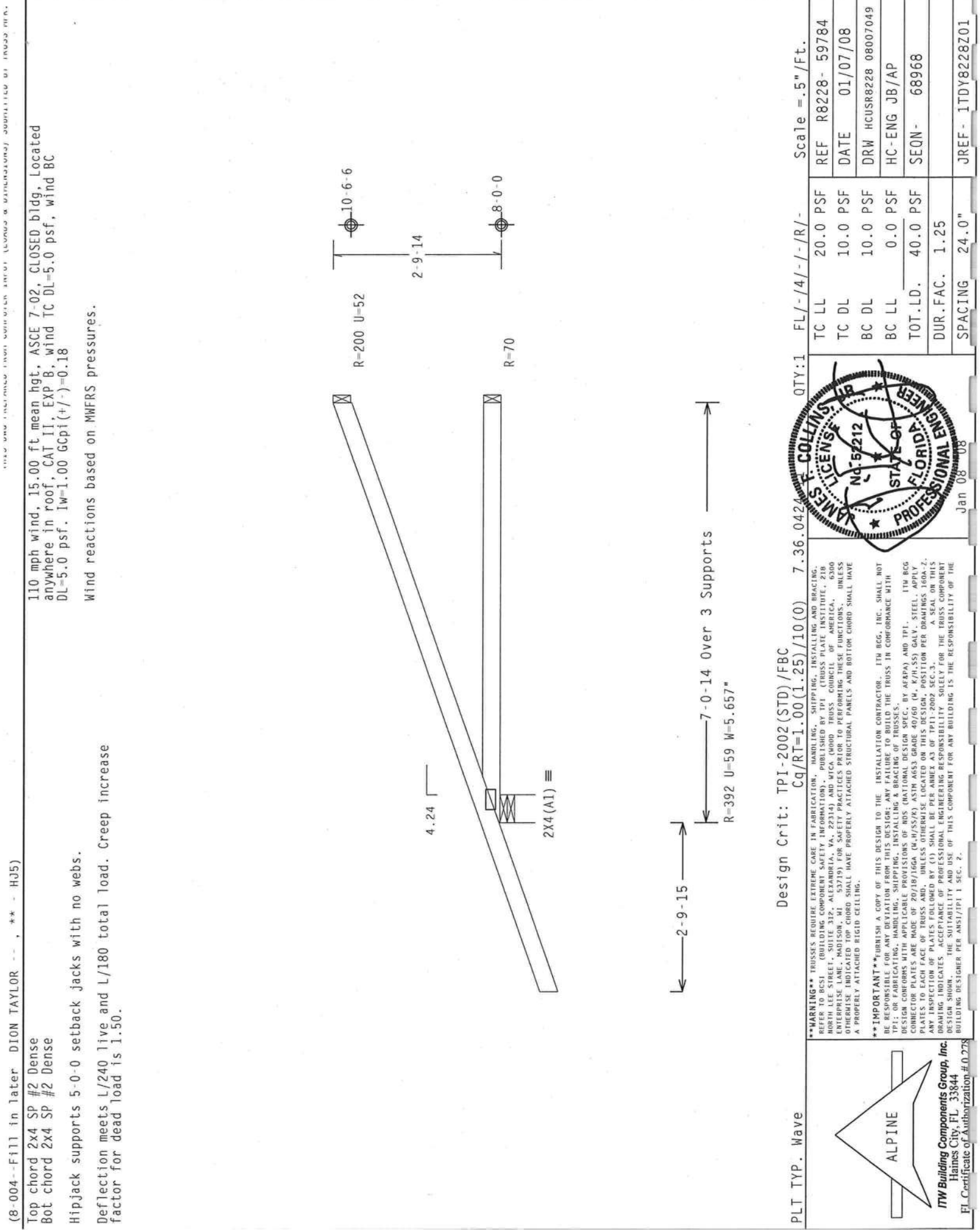
TC LL	20.0 PSF	REF	R8228- 59783
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007038
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	68916
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TDY8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAJ) AND TPI. 11M BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60) GRADE 40/60 (4. K/R.55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES AND TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN AND THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0.278



(8-004--Fill in later DION TAYLOR --, ** - HJ5)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC		Cq/RT=1.00(1.25)/10(0)		7.36.0424		QTY:1		FL/-/4/-/-/R/-		Scale =.5"/Ft.	
ALPINE		ITW Building Components Group, Inc.		Haines City, FL 33844		FL Certificate of Authorization #0.278		JAMES COLLINS JR.		No. 52212		Professional Engineer	
TOP CHORD		2x4 SP #2 Dense		20.0 PSF		R8228- 59784		TC LL		20.0 PSF		REF	
BOT CHORD		2x4 SP #2 Dense		10.0 PSF		01/07/08		TC DL		10.0 PSF		DATE	
HIPJACK		5-0-0 setback jacks with no webs.		10.0 PSF		DRW HCUSR8228 08007049		BC DL		10.0 PSF		DRW	
DEFLECTION		meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.		0.0 PSF		HC-ENG JB/AP		BC LL		0.0 PSF		HC-ENG	
WIND REACTIONS		based on MWFRS pressures.		40.0 PSF		SEQN- 68968		TOT.LD.		40.0 PSF		SEQN	
DUR.FAC.		1.25		24.0"		JREF- 1TDY8228Z01		SPACING		24.0"		JREF	

(8-004--Fill in later DION TAYLOR --, ** - HJ7)

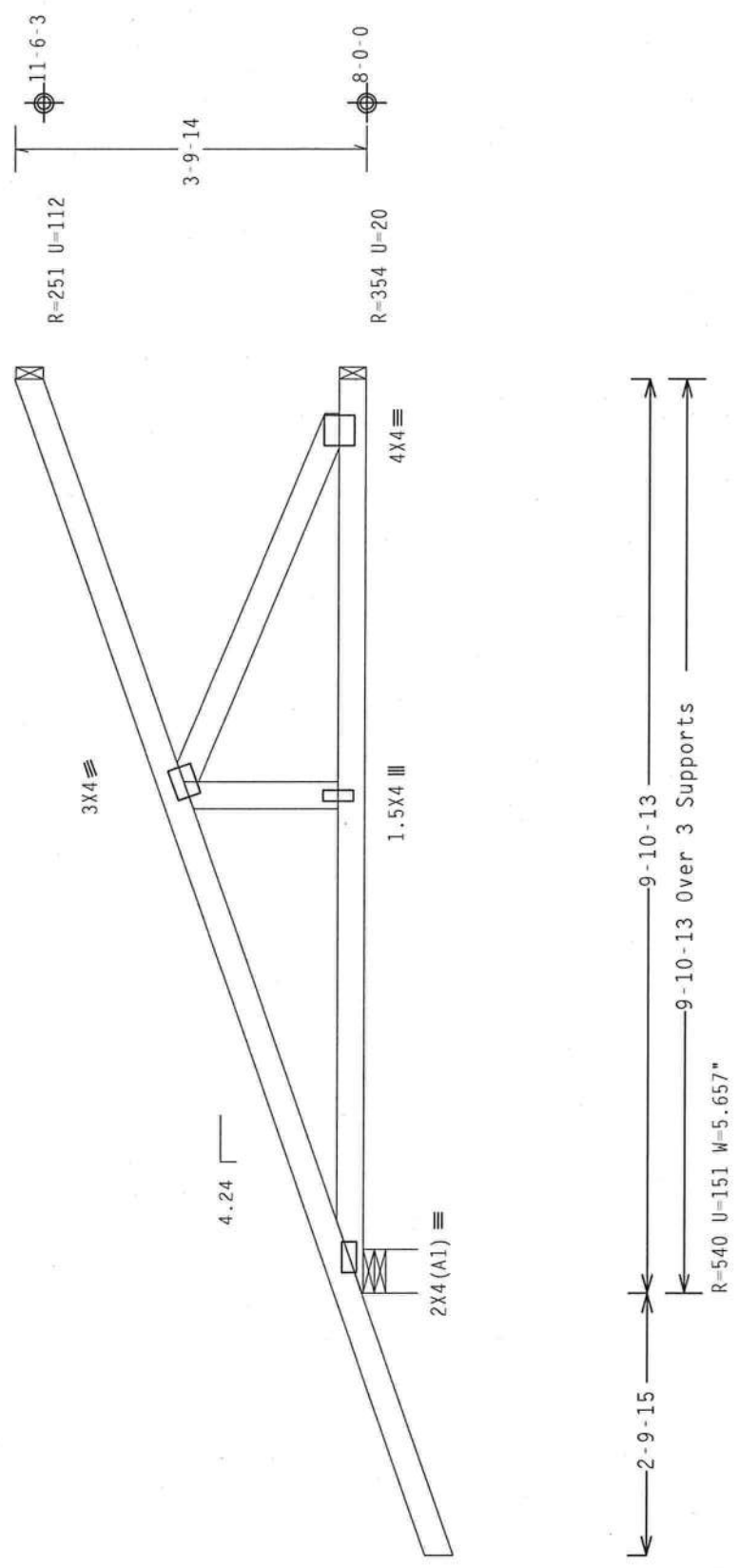
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

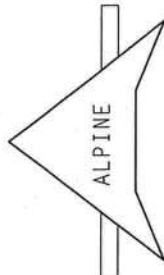
QTY:1

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

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI). CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/55/K) ASTM A653 GRADE 40/60 (4, K/M/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY SIGNATURE OF DESIGNER. THIS DESIGN IS A SEAL OF THE PROFESSIONAL ENGINEER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0278



James Lee Taylor
Professional Engineer
State of Florida
License No. 49082278
Jan 08 '08

TC LL	20.0 PSF	REF	R8228- 59785
TC DL	10.0 PSF	DATE	01/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08007050
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	68899
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TDY8228Z01

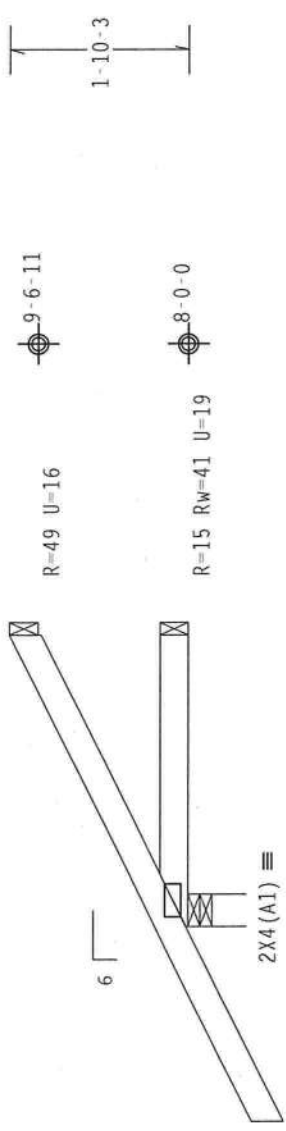
(8-004--Fill in later DION TAYLOR --, ** - CJ3)

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.55$

Wind reactions based on MWFRS pressures.



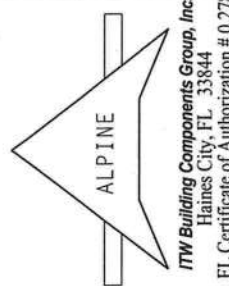
Design Crit: TPI-2002 (STD)/FBC

PLT TYP. Wave	QTY:1		FL/-/4/-/-/R/-		Scale =.5"/Ft.	
	TC LL	20.0 PSF	REF	R8228- 59787		
	TC DL	10.0 PSF	DATE	01/07/08		
	BC DL	10.0 PSF	DRW	HCUSR8228 08007012		
	BC LL	0.0 PSF	HC-ENG	JB/AP		
TOT.LD.			40.0 PSF	SEQN-	68920	
DUR.FAC.			1.25			
SPACING			24.0"	JREF- 1TDY8228Z01		



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WEA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

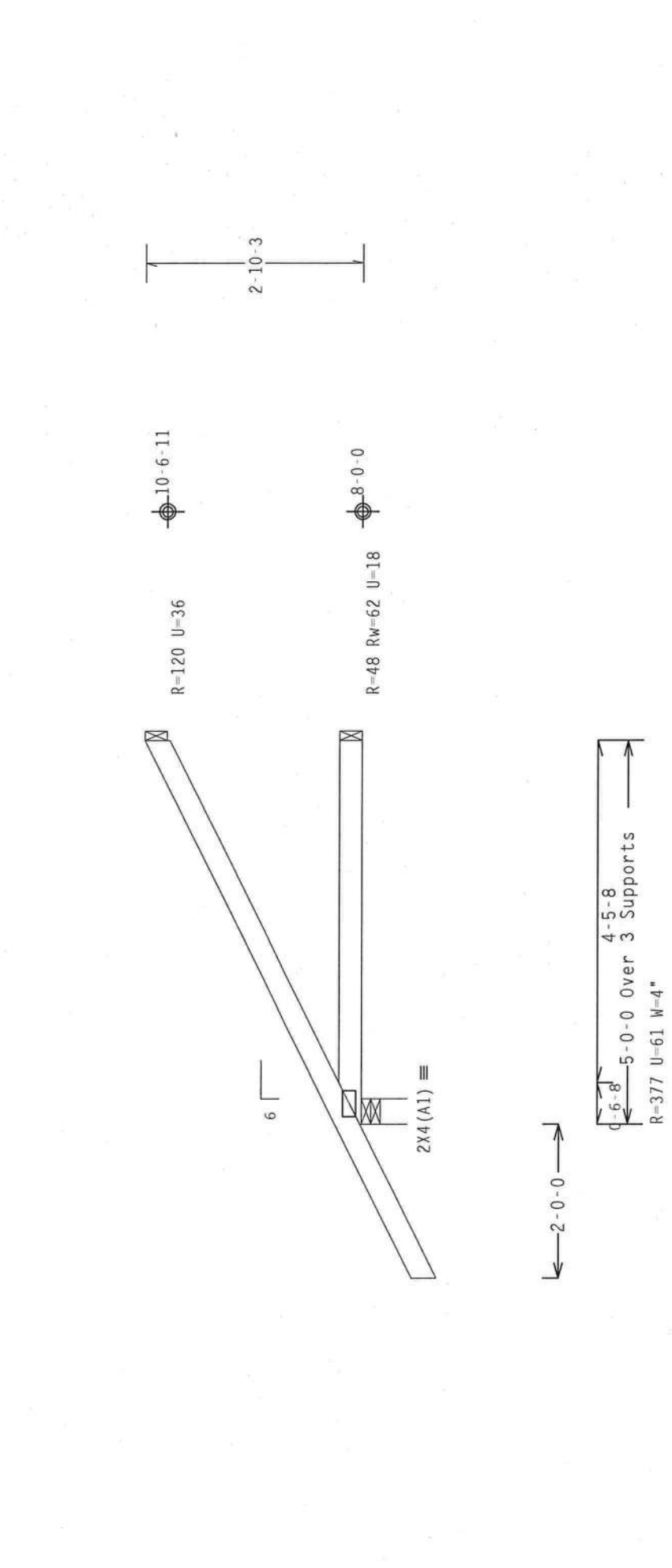
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P) AND TPI. CONNECTOR PLATES ARE MADE OF 2010/166A (M-H/SS/S) ASTM A563 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SELLER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization #0.278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00 G_{Cpi}(+/-)=0.55$
Wind reactions based on MWFRS pressures.



PLT TYP. Wave

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

7.36.0424

QTY:1

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

Scale = .5"/Ft.

REF R8228- 59788

DATE 01/07/08

DRW HCUSR8228 08007013

HC-ENG JB/AP

SEQN- 68924

JREF- 1TDY8228Z01

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0.278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESIDENTIAL BUILDING COMPONENT SAFETY INFORMATION (RBCSI) PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION (NTMA), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD INCH CORD) TRUSS SAFETY PRACTICES PUBLISHED BY THE COUNCIL OF AMERICAN TRUSS ROOFERS (CATR), 1000 ENTERPRISE LANE, MADISON, MI 48071, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. THE SIGNATURE AND SEAL OF THE DESIGNER SHALL BE USED FOR THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ES. F. COLLINS, JR.

No. 87232

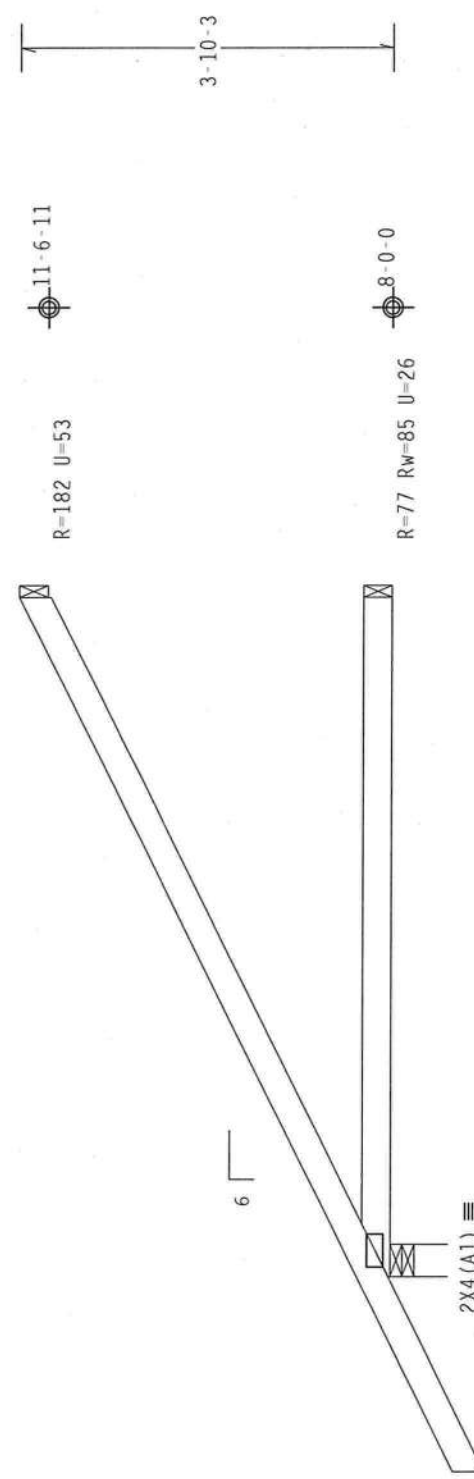
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Jan 08

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

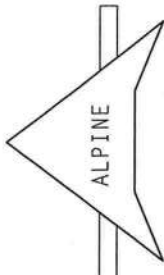
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.55$
Wind reactions based on MWFRS pressures.



2'-0"-0

6'-5-8
7'-0"-0 Over 3 Supports
R=450 U=71 W=4"

PLT TYP. Wave



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0.278

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

QTY: 1 FL/-/4/-/-/R/- Scale = .5"/Ft.

REF	R8228- 59789
DATE	01/07/08
DRW	HCUSR8228 08007014
HC-ENG	JB/AP
SEON-	68912
DUR.FAC.	1.25
SPACING	24.0"

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

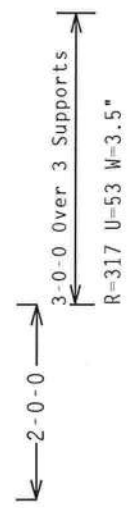
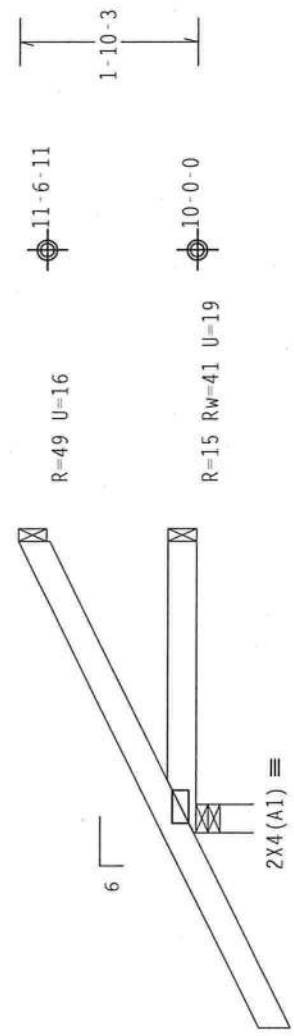
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAT AND TPI). ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (44-N/55/45) ASH 6053 GRADE 40/60 (4, 8/16/55) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY (2) TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS COMPONENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS
LICENSED PROFESSIONAL ENGINEER
No. 52712
STATE OF FLORIDA
Jan 08 '08

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

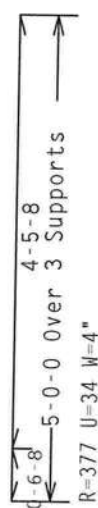
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



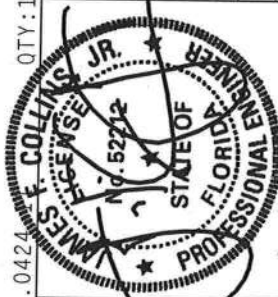
PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC		Cq/RT=1.00(1.25)/10(0)		7.36.0424		QTY:1		FL/-/4/-/-/R/-		Scale = .5"/Ft.	
ALPINE		ITW Building Components Group, Inc.		Haines City, FL 33844		FL Certificate of Authorization #0.278		JAMES F. COLLINS, JR.		No. 22212		STATE OF FLORIDA	
TOP CHORD		TC LL		20.0 PSF		REF R8228- 59790		DATE		01/07/08		DRW HCUSR8228 08007015	
BOT CHORD		BC DL		10.0 PSF		HC-ENG JB/AP		SEQN-		68960		JREF- 1TDY8228Z01	
WIND REACTIONS		TOT.LD.		40.0 PSF		DUR.FAC.		1.25		SPACING		24.0"	
WIND REACTIONS		R=49 U=16		R=15 Rw=41 U=19		R=317 U=53 W=3.5"		3-0-0 Over 3 Supports		2-0-0		1-10-3	

Wind reactions based on MWFRS pressures.



Scale = .5"/Ft.

TC LL	20.0 PSF	REF R8228- 59791
TC DL	10.0 PSF	DATE 01/07/08
BC DL	10.0 PSF	DRW HCUR8228 08007016
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 68956
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TDY8228Z01



Jan 08 08

REF- 1TDY8228701

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH TP1-1 ON FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. (BY A/CSS) AND TP1-1. ITW BCG DESIGNER PLATES ARE MADE OF 2018T6G6 (A1035/SS) AND AISC GRADE 40/60 (A. K/V/SS) GALV. APRIL 2002. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INQUIRIES, REQUESTS FOR CHANGES, OR REQUESTS FOR ADDITIONAL ENGINEERING RESPONSIBILITY, SOLELY FOR THE TRUSS COMPONENT DRAWING INDICATES, ACCEPTED FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-1:2002 SEC.3.

THIS DESIGN IS THE PROPERTY OF ITW BCG. ITW BCG SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN, THE SUSTAINABILITY AND THE DESIGN OF THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TP1-1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
L Certificate of Authorization # 0 278

(8-004--Fill in later DION TAYLOR --, ** - PB1)

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

110 mph wind, 19.10 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=1.2 psf.

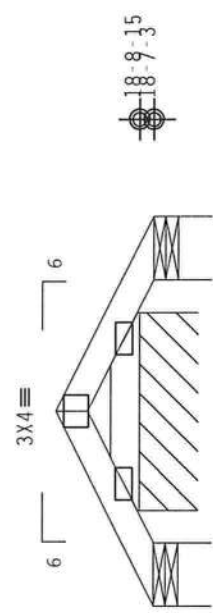
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

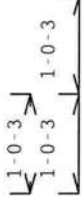
SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 2.00
TC - From 62 PLF at 2.00 to 62 PLF at 4.00
BC - From 4 PLF at 0.00 to 4 PLF at 4.00

Wind reactions based on MWFRS pressures.



2X4 (A1) = 2X4 (A1) =



4-0-0 Over 3 Supports

R-23 U=9 W=7.826"

R-23 U=9 W=7.826"

R-87 PLF U=24 PLF W=2-0-6

Design Crit: TPI-2002(STD)

Cq/RT=1.00(1.25)/10(0) 7.37.0521

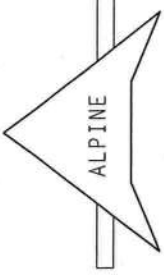
Scale = .5" / Ft.

QTY:1	FL/-/4/-/R/-	TC LL	20.0 PSF	REF	R8228- 59792
		TC DL	10.0 PSF	DATE	01/07/08
		BC DL	10.0 PSF	DRW	HCUSR8228 08007039
		BC LL	0.0 PSF	HC-ENG	JB/AP
		TOT.LD.	40.0 PSF	SEQN-	9649 REV
		DUR.FAC.	1.25		
		SPACING	24.0"	JREF-	1TDY8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE COUNCIL OF AMERICAN TRUSS MANUFACTURERS, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WEA (WOOD ENGINEERING ASSOCIATES) COUNCIL OF AMERICA, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC, BY AIA/ASA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/SS/K) ASTM A653 GRADE 40/60 (M, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE DESIGNER'S ACCEPTANCE AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE DESIGNER'S ACCEPTANCE AND PROFESSIONAL ENGINEERING RESPONSIBILITY IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0.278

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

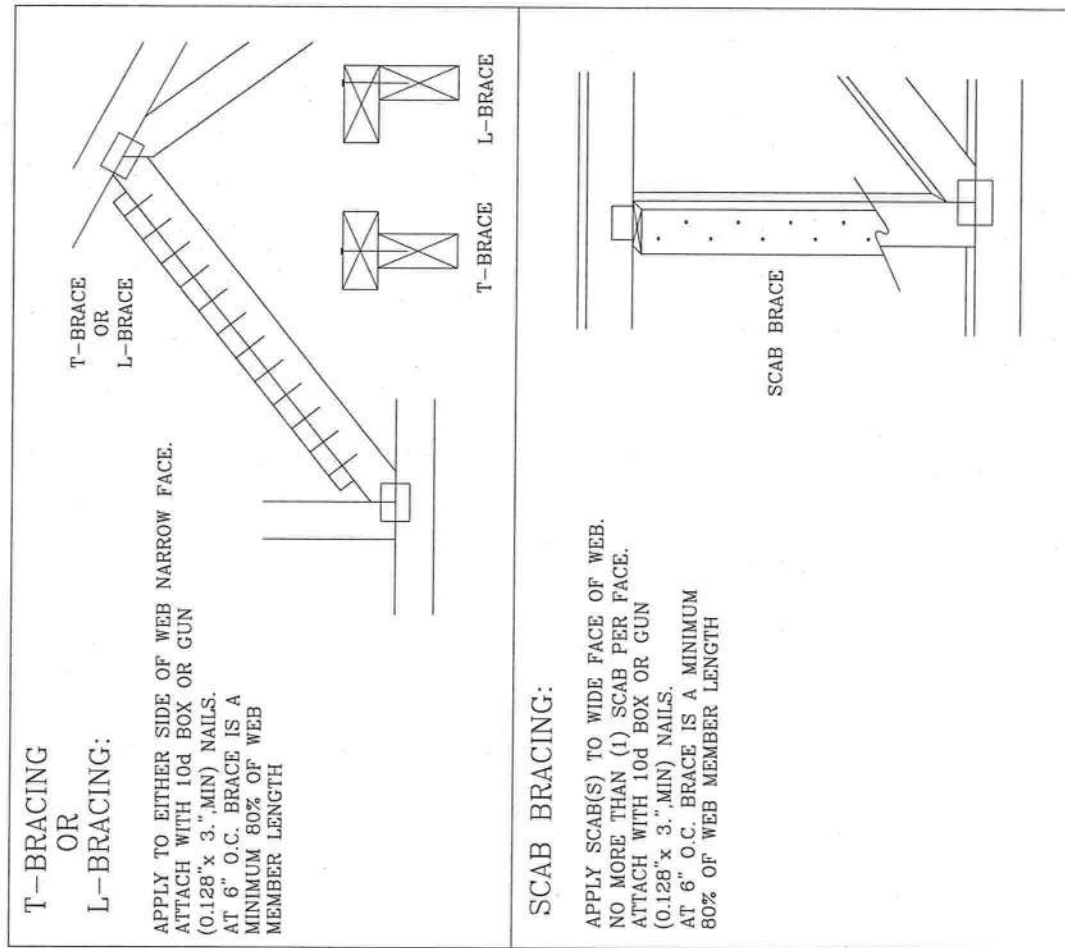
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLUB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



THIS DRAWING REPLACES DRAWING 579.640

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

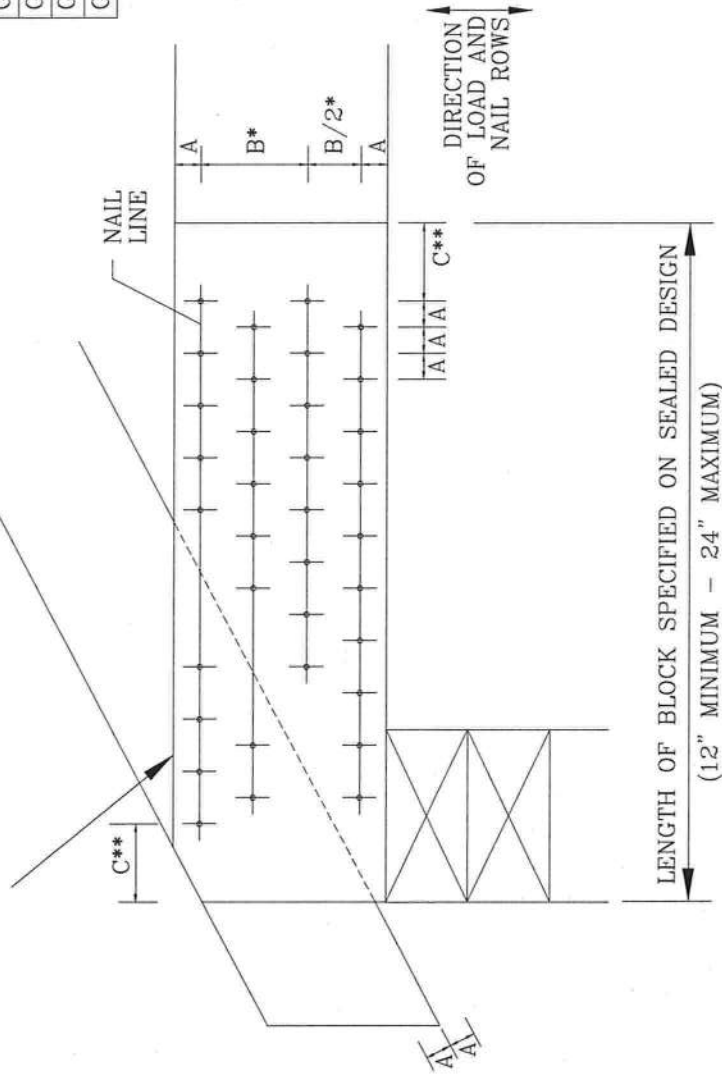
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (F_c -perp) IS AT LEAST THAT OF THE CHORD.



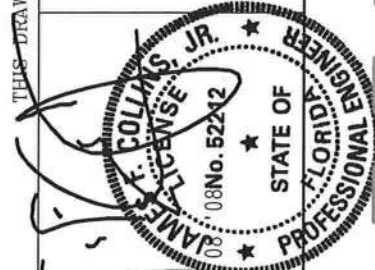
NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3",MIN)	3	6	8	11	14
GUN (0.131"X 3",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

~~THIS DRAWING REPLACES DRAWING B139 AND CNRGBLK0699~~

REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGBLK0207
-ENG	SJP/KAR



IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH THE FOLLOWING PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AFAFA AND THE GALV. STEEL CONNECTOR PLATES ARE MADE OF 20/18/16GA UH/55/24/ A563 GRADE 40/60 UH/55/24 DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER DESIGN. PER 2002 SEC. 17. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE ENGINEER'S RESPONSIBILITY FOR THE DESIGN OF THE STRUCTURE, THE TABLE AND THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER AISC/1/PI 1 SEC. 2.



TW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

PIGGYBACK DETAIL

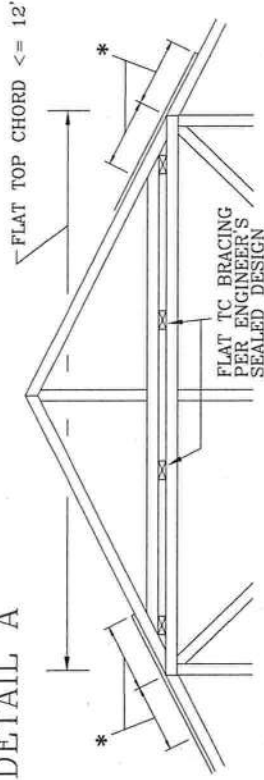
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT. II,
EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF,

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

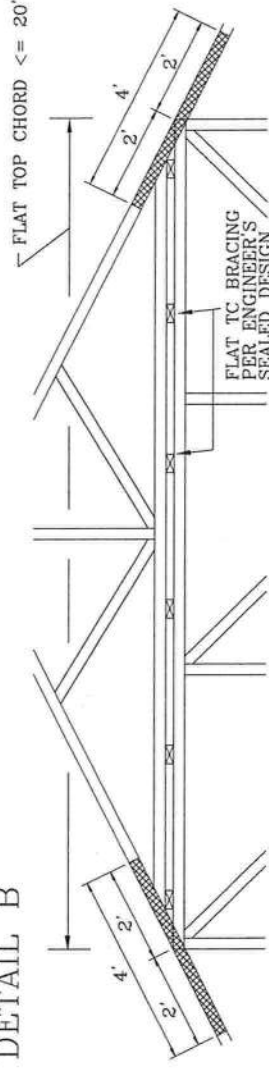
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

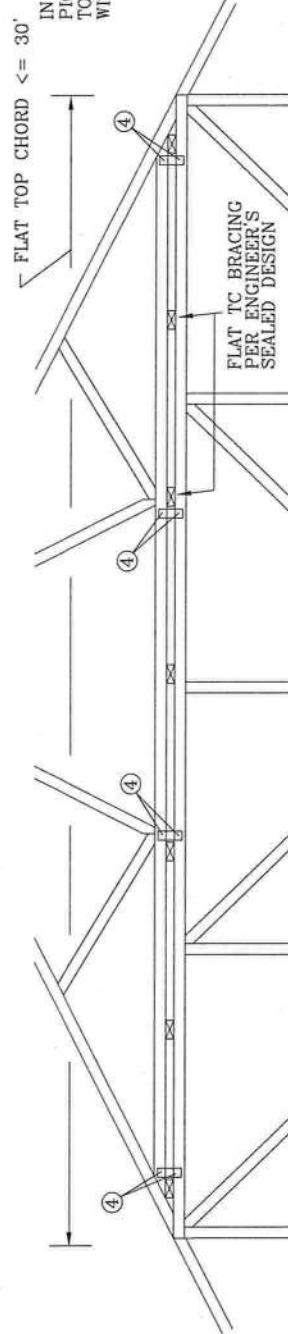
* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5")
OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP
CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND
SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY)
ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

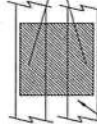
DETAIL C



CAP TRUSS TOENAILLED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.

X- FLAT TOP CHORD $\leq 30'$

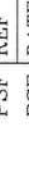
IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



(4) 8d COMMON NAILS (0.131"X2.5")

8" X 8" X 1 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS AT TC.

THIS DRAWING REPLACES DRAWINGS 581.670 & 961.860



ALPINE
BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS COUNCIL OF AMERICA, 3000 ENTERPRISE DRIVE, SUITE 312, MEMPHIS, TN 38117, FOR ADDITIONAL INFORMATION. THESE TRUSSES ARE DESIGNED TO BE USED IN CONFORMANCE WITH THE TPI TRUSS COUNCIL OF AMERICA'S TRUSS DESIGN SPECIFICATIONS. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BEG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&P) AND TPI. ITW, BEG CONNECTOR PLATES ARE MADE OF 2024/T1664 (X/H/SS/XO ASTM A653 GRADE 40/60 (X/K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS TRUSS, TO ALL TRUSS JOINTS. BRACING IS REQUIRED ON ALL TRUSSES. BRACING SHALL BE PER ANSI/AISC 360 OF TPI 1-2005. SEAL ALL JOINTS WITH AN APPROVED SEALANT. THE SUITABILITY AND ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



REF	PIGGYBACK	PSF	TC LL	PSF	
DATE	2/23/07	PSF	TC DL		
DRWG	PIGBACKA0207	PSF	BC DL		
-ENG	DLJ/KAR	PSF	BC LL		
			NOT. LD. MAX	60	PSF
			DUR. FAC.	1.15	
			SPACING	24.0"	

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

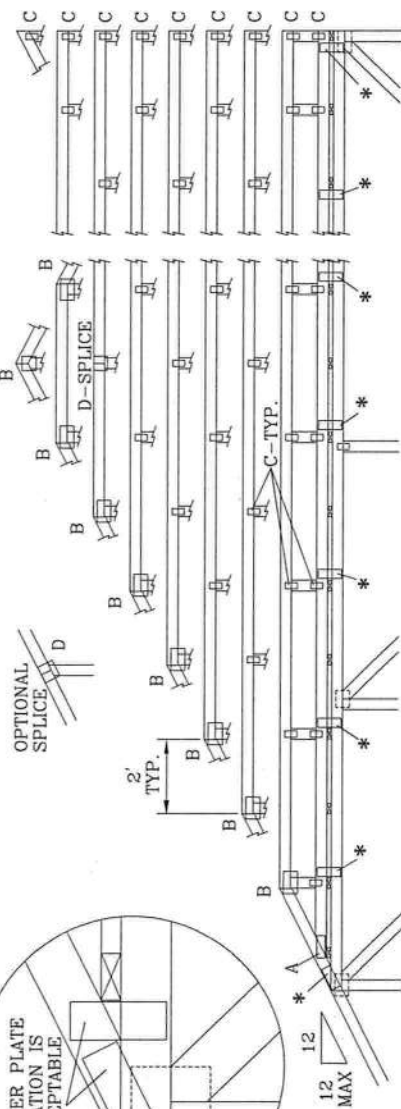
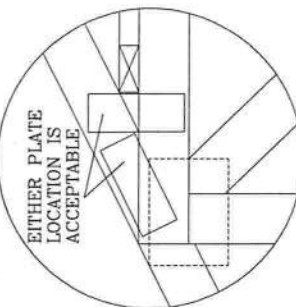
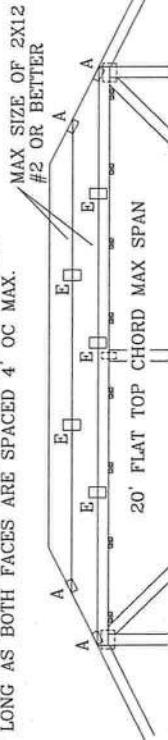
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

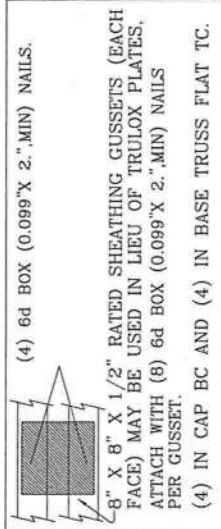
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING THE TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) AND OTHERS. THE DESIGNER'S RESPONSIBILITY IS TO ENSURE THAT THE TRUSSES ARE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ITV BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

PIGGYBACK DETAIL



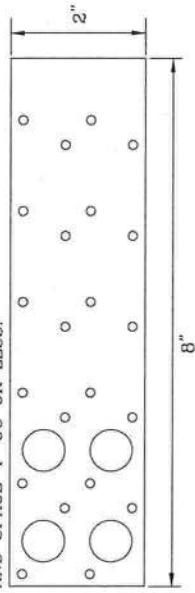
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113" X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4" OC

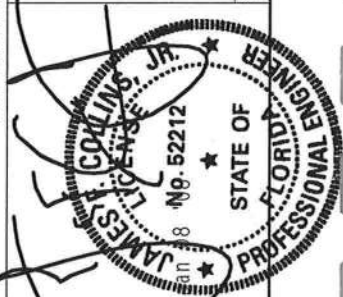
* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

MAX LOADING	REF	PIGGYBACK
55 PSF AT 1.33 DUR. FAC.	DATE	2/23/07
50 PSF AT 1.25 DUR. FAC.	DRWG	PIGBACKB0207
47 PSF AT 1.15 DUR. FAC.	-ENG	DLI/KAR
SPACING	24.0"	





Project Summary

Client: Dion Taylor
Address:
City: Lake City, FL 32055
Phone: 755-1862
Fax:

Company: Glenn I. Jones, Inc.
Representative: Glenn Jr.
Address: 811 N. 5th. St.
City: Lake City, FL 32055
Phone: (904) 752-5389
Fax: (904) 755-3401
Comment:

Design Data

Project Name:
Reference City: Lake City, Florida
Daily Temperature Range: Medium
Latitude: 30 Degrees
Elevation: 26 Feet

	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum.	Indoor Dry Bulb	Grains Difference
Winter:	27	N/A	N/A	70	N/A
Summer:	96	78	50%	75	51

Check Figures

Total Building Supply CFM: 800
Square feet of room area: 1,334
CFM per square foot: 0.6
Square feet per ton: 699.121

Building Loads

Total heating required with outside air: 27,645 Btuh 27.645 MBH
Total sensible gain: 17,173 Btuh 82 %
Total latent gain: 3,862 Btuh 18 %
Total cooling required with outside air: 21,035 Btuh
1.753 Tons (based on sensible + latent)
1.908 Tons (based on 75% sensible capacity)

Notes

Calculations are based on 7th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

Miscellaneous Project Data

Project File Name: UNTITLED

System Input Data

---System 1---	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum.	Indoor Dry Bulb	Grains Difference
Winter:	27	N/A	N/A	70	N/A
Summer:	96	78	50%	75	51

External Overhangs

No.	Projection	Offset	No.	Projection	Offset
1	3	1	6	0	0
2	5	1	7	0	0
3	4	1	8	0	0
4	2	1	9	0	0
5	10	1	10	0	0

Duct Sizing Inputs

	Runouts	Main Trunk
Duct Material:	Flexible Duct	Fiberglass Duct Board
Roughness Factor:	0.010000	0.003000
Pressure Drop:	0.1000 In.wg/100 Ft.	0.1000 In.wg/100 Ft.
Minimum Velocity:	450.0 Ft./Minute	650.0 Ft./Minute
Maximum Velocity:	750.0 Ft./Minute	900.0 Ft./Minute
Minimum Height:	0 Inches	0 Inches
Maximum Height:	0 Inches	0 Inches

Outside Air Data

	Winter	Summer
Infiltration:	0.900 AC/Hr	0.400 AC/Hr
Volume of Conditioned Space:	X 10672 Cu.Ft.	X 10672 Cu.Ft.
	9,605 Cu.Ft./Hr	4,269 Cu.Ft./Hr
	X 0.0167	X 0.0167
Total Building Infiltration:	160.08 CFM	71.14667 CFM
Total Building Ventilation:	0 CFM	0 CFM
---System 1---		
Infiltration & Ventilation Sensible Gain Multiplier:	23.10 = (1.10 X 21.00 Summer Temp. Difference)	
Infiltration & Ventilation Latent Gain Multiplier:	34.86 = (0.68 X 51.27 Grains Difference)	
Infiltration & Ventilation Sensible Loss Multiplier:	47.30 = (1.10 X 43.00 Winter Temp. Difference)	



Total Building Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	177	5,521	0	4,893	4,893
8O Glass Door Double Clear Glass Metal Frame	42	1,309	0	983	983
10D Door Wood Solid Core	42	830	0	476	476
12D Wall R-11 + 1/2" Asphlt Board(R-1.3)	1,035	3,560	0	2,037	2,037
16G Ceiling R-30 Insulation	1,334	1,894	0	1,979	1,979
22A Slab on Grade No Edge Insulation	162	5,643	0	0	0
Subtotals for structure:	2,792	18,757	0	10,368	10,368
Active People:	6	0	1,380	1,800	3,180
Inactive People:	0	0	0	0	0
Appliances:	0	0	0	1,800	1,800
Lighting:	0	0		0	
Ductwork:	0	1,317	0	1,561	1,561
Infiltration: Winter CFM: 160.1, Summer CFM: 71.1	261	7,571	2,482	1,644	4,126
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				17,173	
Temperature Swing Multiplier:				X1.00	
Building Load Totals:		27,645	3,862	17,173	21,035

Check Figures

Total Building Supply CFM:	800	CFM per square foot:	0.6
Square feet of room area:	1,334	Square feet per ton:	699.121

Building Loads

Total heating required with outside air:	27,645 Btuh	27,645 MBH
Total sensible gain:	17,173 Btuh	82 %
Total latent gain:	3,862 Btuh	18 %
Total cooling required with outside air:	21,035 Btuh	1.753 Tons (based on sensible + latent)
		1.908 Tons (based on 75% sensible capacity)

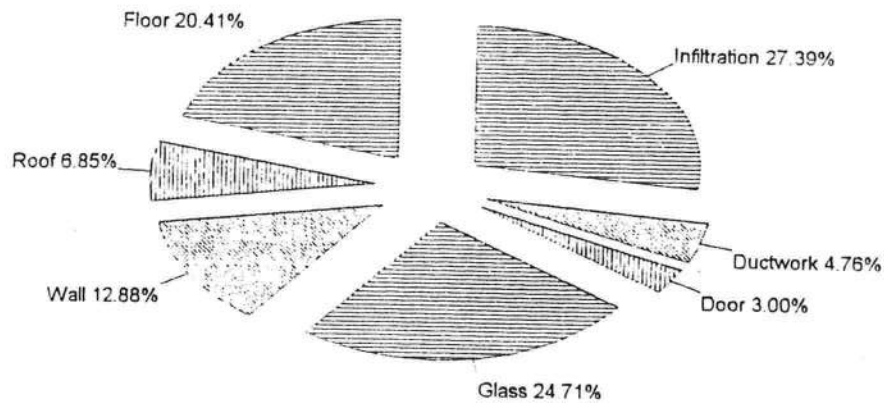
Notes

Calculations are based on 7th edition of ACCA Manual J.
 All computed results are estimates as building use and weather may vary.
 Be sure to select a unit that meets both sensible and latent loads.

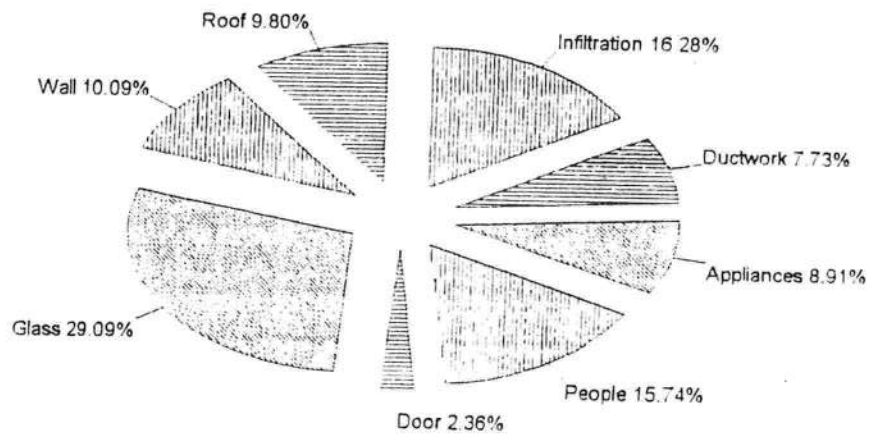


Building Load Pie Charts

Total Building Loss 27,645 BTUH



Total Building Gain 21,035 BTUH





System #1 Zone #1 Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	177	5,521	0	4,893	4,893
8O Glass Door Double Clear Glass Metal Frame	42	1,309	0	983	983
10D Door Wood Solid Core	42	830	0	476	476
12D Wall R-11 + 1/2" Asphlt Board(R-1.3)	1,035	3,560	0	2,037	2,037
16G Ceiling R-30 Insulation	1,334	1,894	0	1,979	1,979
22A Slab on Grade No Edge Insulation	162	5,643	0	0	0
Subtotals for structure:	2,792	18,757	0	10,368	10,368
Active People:	6	0	1,380	1,800	3,180
Inactive People:	0	0	0	0	0
Appliances:	0	0	0	1,800	1,800
Lighting:	0	0	0	0	0
Ductwork:	0	1,317	0	1,561	1,561
Infiltration: Winter CFM: 160.1, Summer CFM: 71.1	261	7,571	2,482	1,644	4,126
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				17,173	
Temperature Swing Multiplier:				X1.00	
Zone Load Totals:		27,645	3,862	17,173	21,035

Check Figures

Supply CFM:	800	CFM per square foot:	0.6
Square feet of room area:	1,334	Square feet per ton:	699.121

Zone Loads

Total heating required with outside air:	27,645 Btuh	27.645 MBH
Total sensible gain:	17,173 Btuh	82 %
Total latent gain:	3,862 Btuh	18 %
Total cooling required with outside air:	21,035 Btuh	1.753 Tons (based on sensible + latent)
		1.908 Tons (based on 75% sensible capacity)

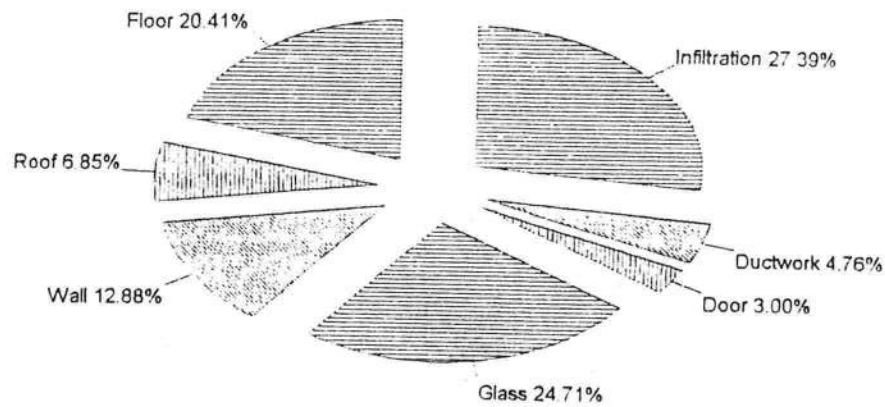


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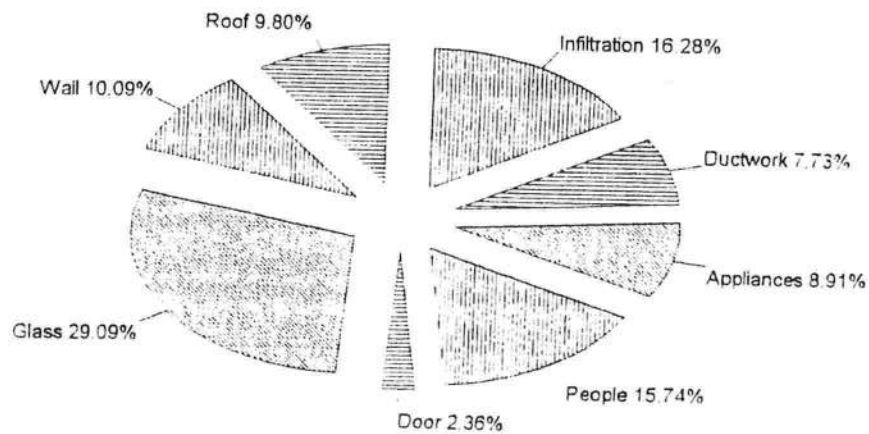
Page 6

System #1 Zone #1 Load Pie Charts

Total Zone Loss 27,645 BTUH



Total Zone Gain 21,035 BTUH





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Detailed Room Loads

1. M. Bedroom

Room Length:	14.0 Feet	System Number:	1
Room Width:	17.0 Feet	Zone Number:	1
Area:	238.0 Square Feet	Supply Air:	121 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	1,904.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	121 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	7 Inches	% of Supply:	0 %
Runout Air Velocity:	452 Feet/Minute	Actual Winter Infiltration Air:	18 CFM
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	8 CFM
Actual Loss:	0.107 In.wg/100 Ft.		allocated

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
N -WALL-12D 17 X 8	121	0.080	3.4	416	2.0	0	238
W -WALL-12D 14 X 8	97	0.080	3.4	334	2.0	0	191
N -GLAS-3C 2-P O-4 S-1 100%S	15	0.725	31.2	468	23.4	0	351
W -GLAS-3C 2-P O-4 S-1 65%S	15	0.725	31.2	468	40.1	0	601
UP-CEIL-16G DARK 14 X 17	238	0.033	1.4	338	1.5	0	353
FLOOR-22A 31 FT	31	0.810	34.8	1,080	0.0	0	0
Subtotals for structure:	517			3104		0	1734
Infiltration: Winter: 18.4, Summer: 8.2:	30		29.000	870	6.300	285	189
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	199	0.100	0	192
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							2115
Temperature Swing Multiplier:							X1.00
Room Totals:				4,173		285	2,115



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Detailed Room Loads

2. M. Bath

Room Length:	5.0 Feet	System Number:	1
Room Width:	8.0 Feet	Zone Number:	1
Area:	40.0 Square Feet	Supply Air:	32 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	320.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	32 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	3 Inches	% of Supply:	0 %
Runout Air Velocity:	660 Feet/Minute	Actual Winter Infiltration Air:	6 CFM
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	2 CFM
Actual Loss:	0.746 In.wg/100 Ft.		allocated

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
N -WALL-12D 8 X 8	55	0.080	3.4	189	2.0	0	108
N -GLAS-3C 2-P O-4 S-1 100%S	9	0.725	31.2	281	23.4	0	211
UP-CEIL-16G DARK 5 X 8	40	0.033	1.4	57	1.5	0	59
FLOOR-22A 8 FT	8	0.810	34.8	279	0.0	0	0
Subtotals for structure:	112			806		0	378
Infiltration: Winter: 5.5, Summer: 2.5:	9		29.000	261	6.333	86	57
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	53	0.100	0	44
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							479
Temperature Swing Multiplier:							X1.00
Room Totals:				1,120		86	479



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Detailed Room Loads

3. Bath

Room Length:	8.0 Feet	System Number:	1
Room Width:	5.0 Feet	Zone Number:	1
Area:	40.0 Square Feet	Supply Air:	2 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	320.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	2 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	0 Inches	% of Supply:	0 %
Runout Air Velocity:	0* Feet/Minute	Actual Winter Infiltration Air:	0 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	0 CFM allocated
Actual Loss:	0.000 In.wg/100 Ft.		

*Runout velocity constraints were not met due to duct schedule limitations.

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
UP-CEIL-16G DARK 8 X 5	40	0.033	1.4	57	1.5	0	59
Subtotals for structure:	40			57		0	59
Infiltration: Winter: 0.0, Summer: 0.0:	0		0.000	0	0.000	0	0
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	3	0.100	0	6
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							65
Temperature Swing Multiplier:							X1.00
Room Totals:				60		0	65



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Detailed Room Loads

4. Bedroom 2

Room Length:	11.0 Feet	System Number:	1
Room Width:	13.0 Feet	Zone Number:	1
Area:	143.0 Square Feet	Supply Air:	103 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	1,144.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	103 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	6 Inches	% of Supply:	0 %
Runout Air Velocity:	526 Feet/Minute	Actual Winter Infiltration Air:	18 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	8 CFM allocated
Actual Loss:	0.179 In.wg/100 Ft.		

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
W -WALL-12D 13 X 8	89	0.080	3.4	306	2.0	0	175
S -WALL-12D 11 X 8	73	0.080	3.4	251	2.0	0	144
W -GLAS-3C 2-P O-4 S-1 65%S	15	0.725	31.2	468	40.1	0	601
S -GLAS-3C 2-P O-4 S-1 100%S	15	0.725	31.2	468	23.4	0	351
UP-CEIL-16G DARK 11 X 13	143	0.033	1.4	203	1.5	0	212
FLOOR-22A 24 FT	24	0.810	34.8	836	0.0	0	0
Subtotals for structure:	359			2532		0	1483
Infiltration: Winter: 18.4, Summer: 8.2:	30		29.000	870	6.300	285	189
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	170	0.100	0	167
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							1839
Temperature Swing Multiplier:							X1.00
Room Totals:				3,572		285	1,839



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Detailed Room Loads

5. Bedroom 3

Room Length:	10.0 Feet	System Number:	1
Room Width:	12.0 Feet	Zone Number:	1
Area:	120.0 Square Feet	Supply Air:	54 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	960.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	54 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	4 Inches	% of Supply:	0 %
Runout Air Velocity:	616 Feet/Minute	Actual Winter Infiltration Air:	9 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	4 CFM allocated
Actual Loss:	0.432 In.wg/100 Ft.		

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
S -WALL-12D 12 X 8	81	0.080	3.4	279	2.0	0	159
S -GLAS-3C 2-P O-4 S-1 100%S	15	0.725	31.2	468	23.4	0	351
UP-CEIL-16G DARK 10 X 12	120	0.033	1.4	170	1.5	0	178
FLOOR-22A 12 FT	12	0.810	34.8	418	0.0	0	0
Subtotals for structure:	228			1335		0	688
Infiltration: Winter: 9.2, Summer: 4.1:	15		29.000	435	6.267	143	94
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	89	0.100	0	78
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							860
Temperature Swing Multiplier:							X1.00
Room Totals:				1,859		143	860



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Detailed Room Loads

6. Living Room

Room Length:	13.0 Feet	System Number:	1
Room Width:	18.0 Feet	Zone Number:	1
Area:	234.0 Square Feet	Supply Air:	125 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	1,872.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	125 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	7 Inches	% of Supply:	0 %
Runout Air Velocity:	467 Feet/Minute	Actual Winter Infiltration Air:	31 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	14 CFM allocated
Actual Loss:	0.114 In.wg/100 Ft.		

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
S -WALL-12D 18 X 8	93	0.080	3.4	320	2.0	0	183
S -DOOR-10D 3 X 7	21	0.460	19.8	415	11.3	0	238
S -GLAS-3C 2-P O-4 S-1 100%S	30	0.725	31.2	935	23.4	0	702
UP-CEIL-16G DARK 13 X 18	234	0.033	1.4	332	1.5	0	3.17
FLOOR-22A 18 FT	18	0.810	34.8	627	0.0	0	0
Subtotals for structure:	396			2629		0	1470
Infiltration: Winter: 31.3, Summer: 13.9:	51		29.020	1,480	6.294	485	321
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	205	0.100	0	179
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							1970
Temperature Swing Multiplier:							X1.00
Room Totals:				4,314		485	1,970



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Detailed Room Loads

7. Kitchen

Room Length:	11.0 Feet	System Number:	1
Room Width:	10.0 Feet	Zone Number:	1
Area:	110.0 Square Feet	Supply Air:	39 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	880.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	39 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	4 Inches	% of Supply:	0 %
Runout Air Velocity:	449* Feet/Minute	Actual Winter Infiltration Air:	6 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	2 CFM allocated
Actual Loss:	0.231 In.wg/100 Ft.		

*Runout velocity constraints were not met due to duct schedule limitations.

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
N -WALL-12D 10 X 8	71	0.080	3.4	244	2.0	0	140
N -GLAS-3C 2-P O-4 S-1 100%S	9	0.725	31.2	281	23.4	0	211
UP-CEIL-16G DARK 11 X 10	110	0.033	1.4	156	1.5	0	163
FLOOR-22A 10 FT	10	0.810	34.8	348	0.0	0	0
Subtotals for structure:	200			1029		0	514
Infiltration: Winter: 5.5, Summer: 2.5:	9		29.000	261	6.333	86	57
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	65	0.100	0	177
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	1,200
Lighting:							0
Sensible Gain Total:							1948
Temperature Swing Multiplier:							X1.00
Room Totals:				1,355		86	1,948



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Detailed Room Loads

8. Dining Room

Room Length:	11.0 Feet	System Number:	1
Room Width:	11.0 Feet	Zone Number:	1
Area:	121.0 Square Feet	Supply Air:	98 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	968.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	98 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	6 Inches	% of Supply:	0 %
Runout Air Velocity:	501 Feet/Minute	Actual Winter Infiltration Air:	26 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	11 CFM allocated
Actual Loss:	0.163 In.wg/100 Ft.		

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
N -WALL-12D 11 X 8	46	0.080	3.4	158	2.0	0	91
N -G.DR-80 2-P O-4 S-1 100%S	42	0.725	31.2	1,309	23.4	0	983
UP-CEIL-16G DARK 11 X 11	121	0.033	1.4	172	1.5	0	180
FLOOR-22A 11 FT	11	0.810	34.8	383	0.0	0	0
Subtotals for structure:	220			2022		0	1254
Infiltration: Winter: 25.8, Summer: 11.4:	42		29.000	1,218	6.286	399	264
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	162	0.100	0	152
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							1670
Temperature Swing Multiplier:							X1.00
Room Totals:				3,402		399	1,670



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Detailed Room Loads

9. Utility

Room Length:	5.0 Feet	System Number:	1
Room Width:	12.0 Feet	Zone Number:	1
Area:	60.0 Square Feet	Supply Air:	50 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	480.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	50 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	4 Inches	% of Supply:	0 %
Runout Air Velocity:	577 Feet/Minute	Actual Winter Infiltration Air:	6 CFM
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	2 CFM
Actual Loss:	0.378 In.wg/100 Ft.		allocated

Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
N -WALL-12D 12 X 8	87	0.080	3.4	299	2.0	0	171
E -WALL-12D 5 X 8	40	0.080	3.4	138	2.0	0	79
N -GLAS-3C 2-P O-4 S-1 100%S	9	0.725	31.2	281	23.4	0	211
UP-CEIL-16G DARK 5 X 12	60	0.033	1.4	85	1.5	0	89
FLOOR-22A 17 FT	17	0.810	34.8	592	0.0	0	0
Subtotals for structure:	213			1395		0	550
Infiltration: Winter: 5.5, Summer: 2.5:	9		29.000	261	6.333	86	57
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	83	0.100	0	121
Active People: 230 lat/per, 300 sen/per:	0					0	0
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	600
Lighting:							0
Sensible Gain Total:							1328
Temperature Swing Multiplier:							X1.00
Room Totals:				1,739		86	1,328



Detailed Room Loads

10. Den

Room Length:	12.0 Feet	System Number:	1
Room Width:	19.0 Feet	Zone Number:	1
Area:	228.0 Square Feet	Supply Air:	175 CFM
Ceiling Height:	8.0 Feet	Required Vent. Air:	0 CFM
Volume:	1,824.0 Cubic Feet	Actual Winter Ventilation Air:	0 CFM
Number of Registers:	1	% of Supply:	0 %
Runout Air:	175 CFM	Actual Summer Ventilation Air:	0 CFM
Runout Duct Size:	8 Inches	% of Supply:	0 %
Runout Air Velocity:	502 Feet/Minute	Actual Winter Infiltration Air:	40 CFM allocated
Design Loss:	0.100 In.wg/100 Ft.	Actual Summer Infiltration Air:	18 CFM allocated
Actual Loss:	0.110 In.wg/100 Ft.		

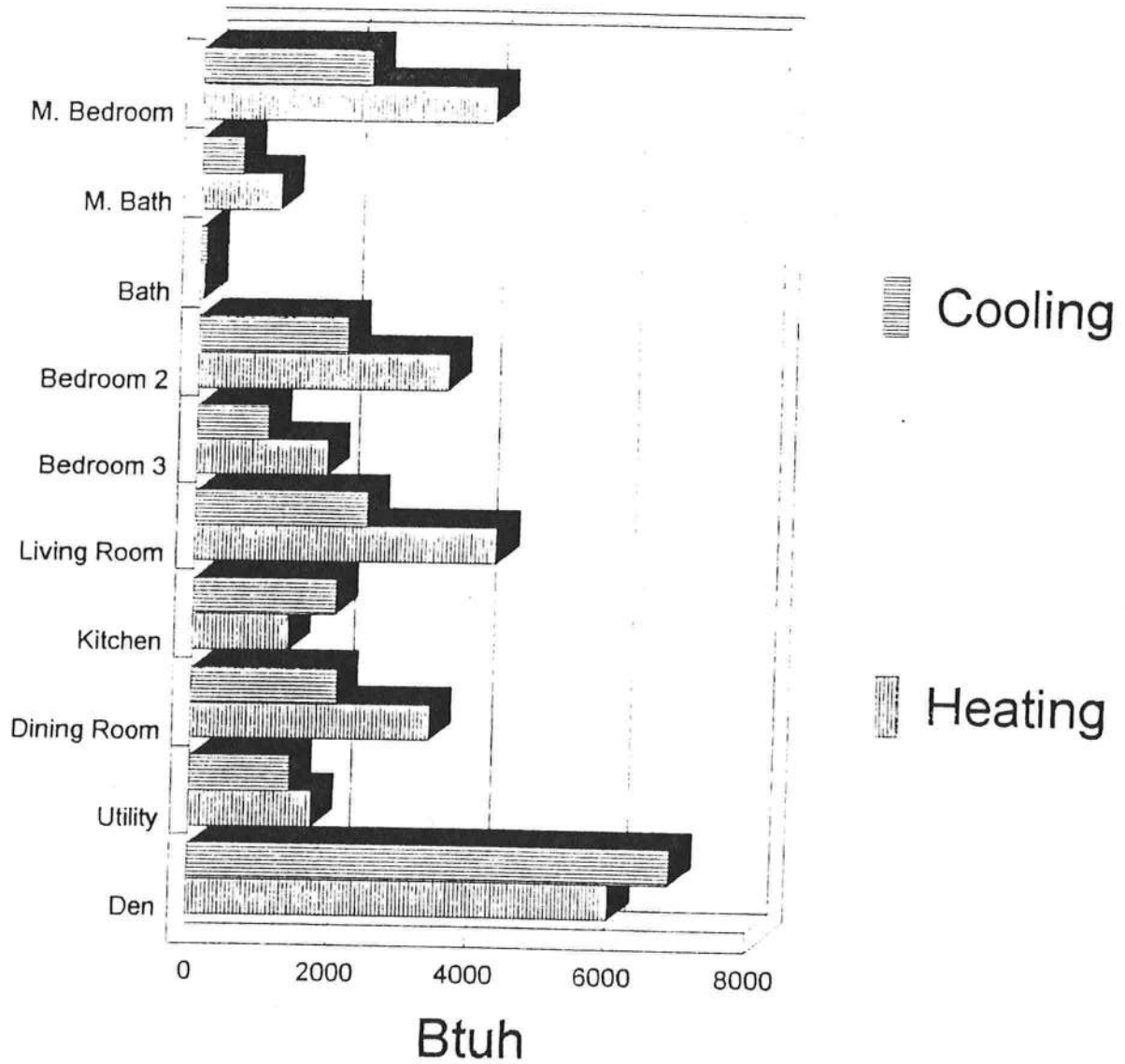
Item Description	Area Quantity	-U- Value	Htg HTM	Sen. Loss	Clg HTM	Latent Gain	Sen. Gain
E -WALL-12D 19 X 8	116	0.080	3.4	399	2.0	0	228
S -WALL-12D 12 X 8	66	0.080	3.4	227	2.0	0	130
E -DOOR-10D 3 X 7	21	0.460	19.8	415	11.3	0	238
E -GLAS-3C 2-P O-4 S-1 65%S	15	0.725	31.2	468	40.1	0	601
S -GLAS-3C 2-P O-4 S-1 100%S	30	0.725	31.2	935	23.4	0	702
UP-CEIL-16G DARK 12 X 19	228	0.033	1.4	324	1.5	0	339
FLOOR-22A 31 FT	31	0.810	34.8	1,080	0.0	0	0
Subtotals for structure:	507			3848		0	2238
Infiltration: Winter: 40.5, Summer: 18.0:	66		29.015	1,915	6.303	627	416
Ventilation: Winter: 0.0, Summer: 0.0:				0		0	0
Ductwork:			0.050	288	0.100	0	445
Active People: 230 lat/per, 300 sen/per:	6					1,380	1,800
Inactive People: 150 lat/per, 250 sen/per:	0					0	0
Appliances:						0	0
Lighting:							0
Sensible Gain Total:							4899
Temperature Swing Multiplier:							X1.00
Room Totals:				6,051		2,007	4,899



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Cooling and Heating Loads Bar Graphs



NOTICE OF COMMENCEMENT

26657

Tax Parcel Identification Number 03023-528

County Clerk's Office Stamp or Seal

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 28 Rolling Meadows, according to the plat
a) Street (job) Address: the rest in Plat Book 08 Pages 45 and 46 - 208 SW pop 6 in

2. General description of improvements: House

3. Owner Information
a) Name and address: Dion Taylor Po Box 3311 Lake City Fla 32056
b) Name and address of fee simple titleholder (if other than owner)
c) Interest in property

4. Contractor Information
a) Name and address: Dion Taylor Po Box 3311 Lake City Fla
b) Telephone No.: 386-288-5887 Fax No. (Opt.)

5. Surety Information
a) Name and address:
b) Amount of Bond:
c) Telephone No.:

6. Lender
a) Name and address: Inst:200812002035 Date:2/1/2008 Time:8:10 AM
b) Phone No. 12 DC,P.DeWitt Cason,Columbia County Page 1 of 1

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address:
b) Telephone No.: Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:

a) Name and address:
b) Telephone No.: Fax No. (Opt.)

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Dion Taylor
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Dion Taylor
Print Name

Rebecca S. Sullivan
The foregoing instrument was acknowledged before me, a Florida Notary, this 14th day of January, 20 08, by:
Dion Taylor as Notary Public (type of authority, e.g. officer, trustee, attorney
fact) for Dion Taylor (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification ☒ Type VA Federal Employee ID Badge

Notary Signature Rebecca S. Sullivan Notary Stamp or Seal:



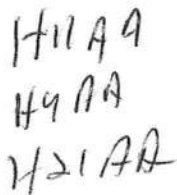
Rebecca S. Sullivan
COMMISSION # DD282696 EXPIRES
May 11, 2008
TROY FARM INSURANCE, INC.

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Dion Taylor
Signature of Natural Person Signing (in line #10 above.)

#8-004 Dion Taylor



25772

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC=5.0, wind BC DL=5.0 psi.

(A) 1x4 #3SRB SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113x2.5", min.) nails @ 6" OC.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC

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

11 GAUGE (0.120")X1.375" nails required for ruxox plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DWG. 160TL for nailing and ruxox plate requirements.

(G1) Gussel plates are 1/2" A/P A/RATED SHEATHING, 240, EXP 1 or 2. Apply gussel to each face of truss and attach with evenly distributed 8d Sinker (0 113x2 375). Nails specified in circles. Hatched lines indicate portions on gussels protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile.

Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001

End Distance 1-3/4" Edge Distance 5/8"

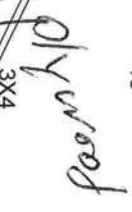
Spacing Between Rows 5/8" Spacing in a Row 1-3/4"

Maximum Number of Rows for Member Size:

2x4 4 Rows

Wind reactions based on MWFRS pressures.

Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure
Deflection meets L/240 live and L/180 total load



LEFT JIG = 19'2"

PLT. TYP.-WAVE

DESIGN CRIT=CUSTOM/TP1-2002 FT/RT=10%(0%)/0(0)

QTY=1 TOTAL=1

REV. 9.02.03.0610.16

RIGHT JIG = 15'8"11
SEQ = 78380
SCALE = 0.1250

WARNING: THESE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DONOHUE DR., SUITE 200, MADISON, WI 53719, AND NCTA AMERICAN TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LA, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PENETRATING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, NO CHORD SHALL HAVE PRESENT ATTACHED STRUCTURAL

1. **INFORMATION:** THE DESIGNER HAS CONDUCTED VISUAL INSPECTIONS OF THE BUILDING AND THE BUILDING ENGINEERED PRODUCTS, INC. SHALL NOT BE DESIGNER OR INSPECTION CONTRACTOR RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRING THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL) DESIGN SPEC BY AISC AND TPI, ALPINE CONNECTOR PLATES ARE MADE OF 2008F1604 (ALPINE) ASTM A653 GRADE 4080 (TPI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND WELDED OTHERWISE LOCATED 4080 (TPI) GALV. STEEL. SEE DRAWING FOR WELDING DETAILS. SEE TPI DRAWING FOR WELDING DETAILS. (1) SHALL BE PER ANNEX A3 OF TPI 2002 SPEC. 1. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AISIP111 SEC. 2.

TC LL	20.0psf	REF
TC DL	10.0psf	DATE 02-11-2010
BC DL	10.0psf	DRWG
BC LL	0.0psf	AH
TOT.LD.	40.0psf	O/A LEN. 401100
DUR.FAC.	1.25	JOB #. 8-004
SPACING 24.0"		TYPE HIPS

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B
wind TC DL=5.0 psf, wind BC DL=5.0 psf, W=7.00 GCP(+)=0.55

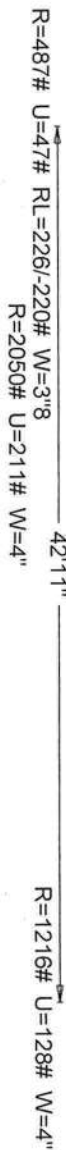
Wind reactions based on MWFRS pressures.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load

11 GAUGE (0.120")X1.375" nails required for trulox plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DWG 1607L for nailing and trulox plate requirements.



DESIGN CRIT=FBC2007RES/TP1.2002 F T/RT=10M(0%) Y QXQ,

QTY=4 TOTAL=4

REV. 9.02.03.0610.16

RIGHT JIG = 18'6"11
SEQ = 78363
SCALE = 0.1087

WARNING: SEVERE RUIRE EXTREME CARE IN FABRICC, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO B031-1.03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI) TRUSS PLATE INSTALLATION AND BRACING FOR 2018/1864 (W/H)S141 A563 GRADE 4090 (W/H)S141 GALV STEEL. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR, ALPINE ENGINEERED PRODUCTS, INC. TO BE RECEIVED PRIOR TO FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MD NATIONAL DESIGN SPEC, BY A563/A1, TPI, ALPINE CONNECTOR PLATES ARE MADE OF 2018/1864 (W/H)S141 A563 GRADE 4090 (W/H)S141 GALV STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 1804-2. AN INSPECTION OF PLATES CLOSETED BY (1) SHALL BE CONDUCTED BY THE TRUSS MANUFACTURER TO VERIFY THE CORRECTNESS OF THE DESIGN. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLY FOR THE TRUSS COMPONENT DESIGN SHOWN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/PTP 1 SEC. 2.

TC LL	20.0psf	REF
TC DL	10.0psf	DATE 02-11-2010
BC DL	10.0psf	DRWG
BC LL	0.0psf	AH
TOT.LD.	40.0psf	O/A LEN. 401'100
DUR.FAC.	1.25	JOB #: 8-004
SPACING	24.0"	TYPE HIPS

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

Roof overhang supports 2.00 psf soffit load.

(B) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

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

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

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

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind. 15.00 ft mean hgt. ASCE 7-05, PART ENC. Bldg. not located within 6.50 ft from roof edge. CAT II, EXP B.
wind TC DL=5.0 psf, wind BC DL=5.0 psf. [w=1.00 GCp(+/-)=0.55]

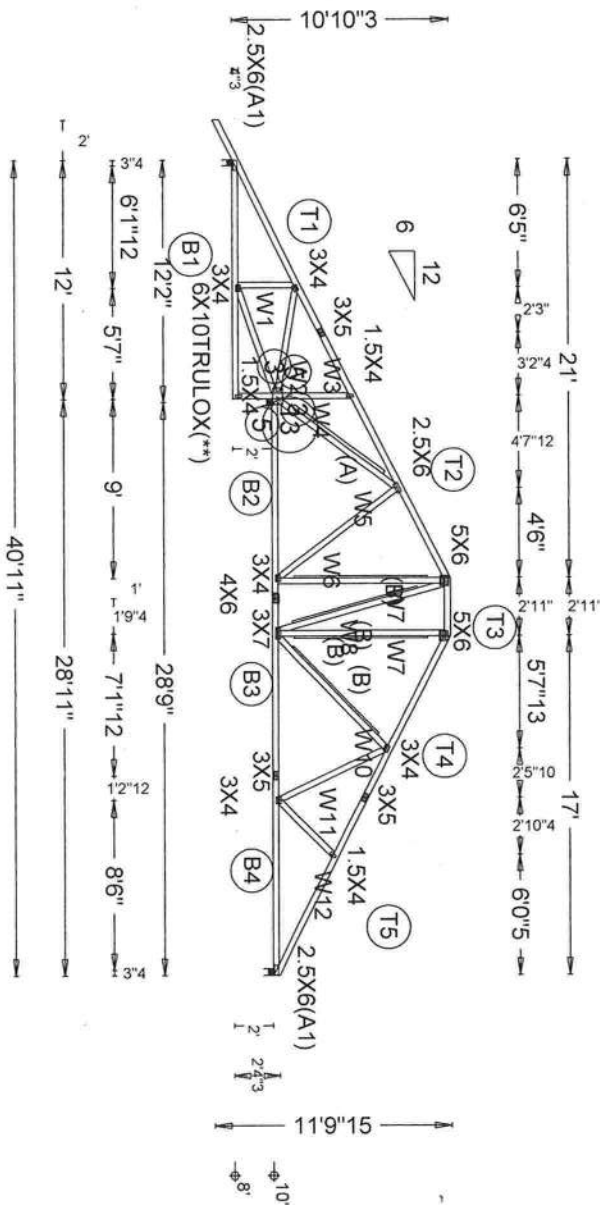
Wind reactions based on MWFRS pressures.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

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

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

11 GAUGE (0.120")X1.375" nails required for truss plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DWG 160TL for nailing and truss plate requirements.



R=470# U=48# RL=232/-226# W=3"8 42'11" R=1214# U=126# W=4"

R=2051# U=209# W=4"

LEFT RAKE = 2'2"13
LEFT JIG = 237"10
DESC. = H21AX
PLT. TYP -WAVE

QTY= 1 TOTAL=1

REV. 9.02.03.0610.16

RIGHT JIG = 19'2"
SEQ = 78366
SCALE = 0.1062

DESIGN CRIT = FRC200/RES/TP-2002 T/FRT-10%/N/A/010
WARNING THESE TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 585 DONOFRIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING. UNLESS OTHERWISE INDICATED, ALL TRUSS MEMBERS SHALL BE MADE OF 2018R6GA (W/HIS) ASTM A653 GRADE 4080 (W/KH) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED OR OTHERWISE INDICATED, ALL TRUSS MEMBERS SHALL BE MADE OF 2018R6GA (W/HIS) ASTM A653 GRADE 4080 (W/KH) GALV. STEEL. THIS DRAWING INDICATES ACCEPTANCE OF THE TRUSS DESIGN AND THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TP1 SEC. 2.

TC LL	20.0psf	REF	
TC DL	10.0psf	DATE	02-11-2010
BC DL	10.0psf	DRWG	
BC LL	0.0psf	AH	
TOT.LD.	40.0psf	O/A LEN.	40'1100
DUR.FAC.	1.25	JOB #.	8-004
SPACING	24.0"	TYPE	HIPS

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

Roof overhang supports 2.00 psf soffit load.

(B) 2x4 #3 or better. "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.) nails @ 6" OC.

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

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

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

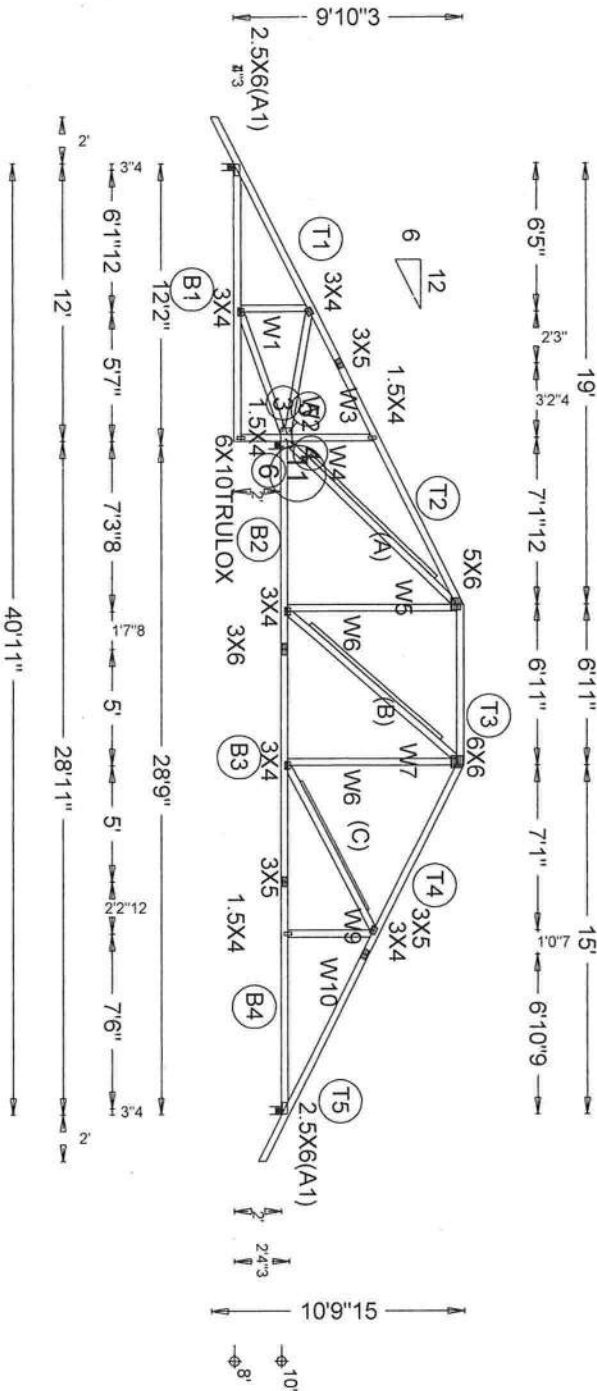
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART 7, ENCL. bldg. not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.55
Wind reactions based on MMWFRS pressures.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.) nails @ 6" OC.

(C) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.) nails @ 6" OC.

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

11 GAUGE (0.120"X1.375" nails required for trulox plate attachment. Nails specified in circles must be applied to each face of each truss ply. See DWG 1607L for nailing and trulox plate requirements.



R=545# U=55# RL=238/220# W=3"8
R=1789# U=201# W=4" R=1303# U=144# W=4"

LEFT RAKE = 22°13
LEFT JIG = 21°4'13
DESC = H19AX
PLT TYP - WAVE

DESIGN CRIT = B2C200/MSR/PS-5000 FTR1 = 10(N/KN)/500

QTY = 1 TOTAL = 1

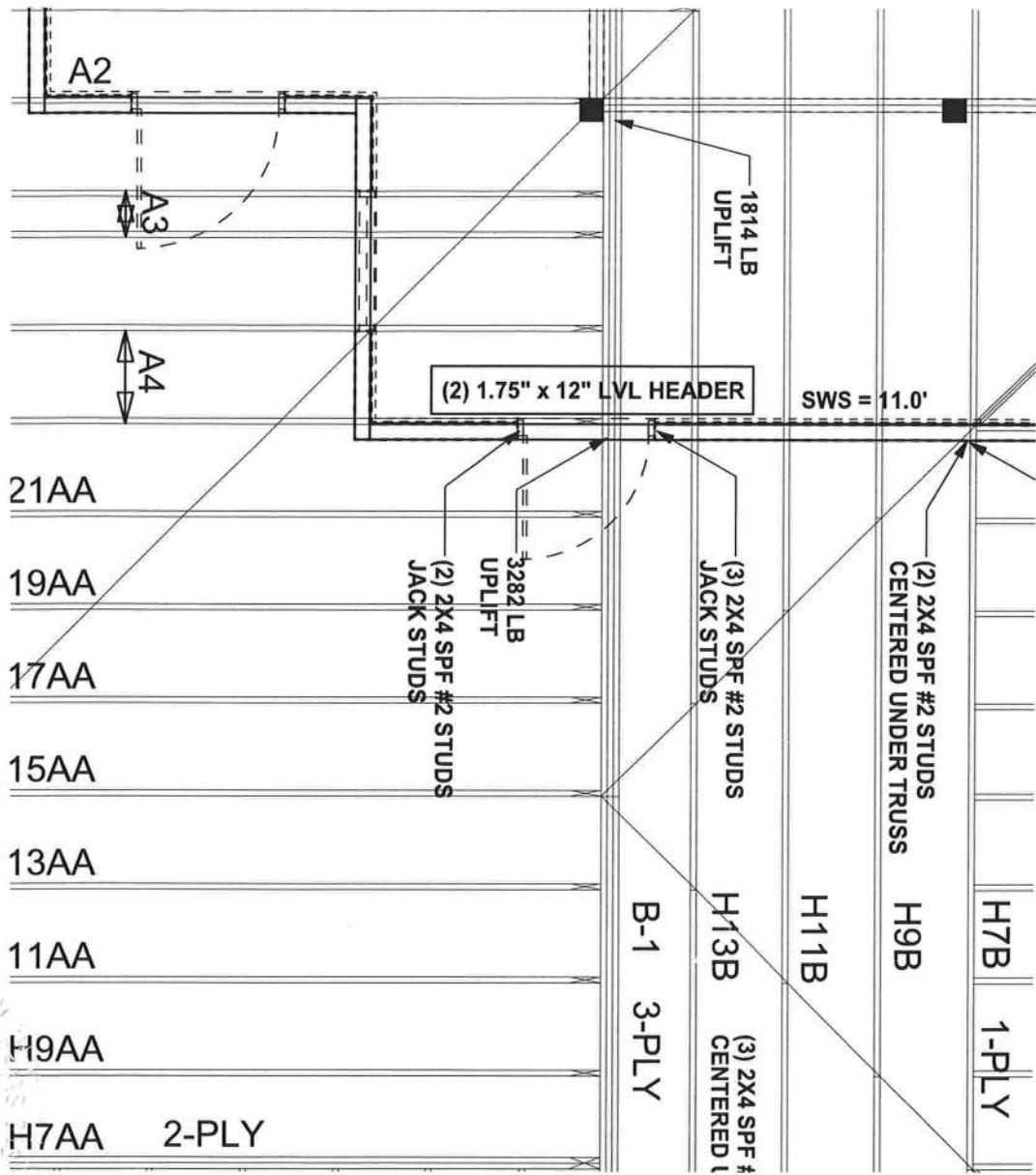
REV. 9.02.03.0610.16

RIGHT RAKE = 22°13
RIGHT JIG = 16°1'12
SEO = 78369
SCALE = 0.1239

****WARNINGS**** REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DONORF DR., SUITE 200, MADISON, WI 53719 AND WCA (WOOD TRUSS COUNCIL) 1000 W. 10TH AVE., SUITE 100, MINNEAPOLIS, MN 55405. THESE INSTRUCTIONS ARE TO BE USED IN CONJUNCTION WITH THE TRUSS MANUFACTURER'S INSTRUCTIONS. THESE INSTRUCTIONS ARE NOT TO BE USED IN CONJUNCTION WITH ANY OTHER INSTRUCTIONS. THE TRUSS MANUFACTURER'S INSTRUCTIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ****IMPORTANT**** COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. FOR WOOD TRUSSES AND NDS NATIONAL DESIGN SPEC. FOR STEEL TRUSSES. THE TRUSS MANUFACTURER'S INSTRUCTIONS SHALL BE USED IN CONJUNCTION WITH THIS DESIGN. POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1.2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/PTI 1 SEC. 2.

TC LL	20.0psf	REF
TC DL	10.0psf	DATE 02-11-2010
BC DL	10.0psf	DRWG
BC LL	0.0psf	AH
TOT.LD.	40.0psf	O/A LEN. 401'00
DUR.FAC.	1.25	JOB #. 8-004
SPACING	24.0"	TYPE HIPS

26657



Dion Taylor	
Spec House	
ADDRESS: 208 SW Poppy Glen Columbia County, Florida	
Mark Disosway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871	
PRINTED DATE: January 22, 2010	STRUCTURAL BY:
FINALS DATE: 09 / Jan / 08	
JOB NUMBER: 801092	
DRAWING NUMBER S-3	
OF 3 SHEETS	

SEAL



WoodWorks®
SOFTWARE FOR WOOD DESIGN

COMPANY
Mark Disosway PE
POB 868, Lake City, FL 32056
386-754-5419
Sezed by : Evan Beamsley
Jan. 22, 2010 15:40:16

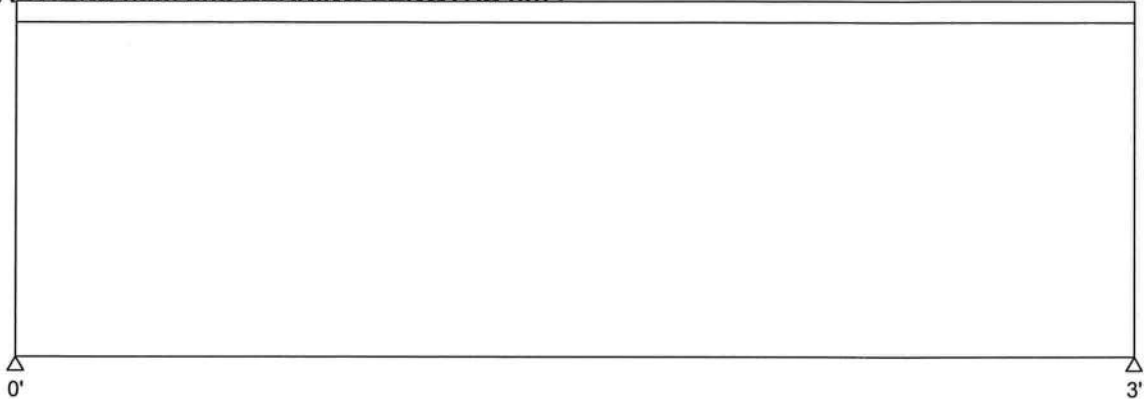
PROJECT
Job Number 801092
Taylor Dion
Spec House
208 SW Poppy Glen
Beam1

Design Check Calculation Sheet
Sizer 2004

LOADS: (lbs, psf, or plf)

Load	Type	Distribution	Magnitude Start End	Location [ft] Start End	Pattern Load?
Load1	Dead	Point	6630	0.83	No
Load2	Constr.	Point	6630	0.83	No

MAXIMUM REACTIONS (lbs) and BEARING LENGTHS (in) :



Dead	4806		1860
Live	4788		1842
Total	9595		3701
Bearing:			
LC number	2		2
Length	3.7		1.4

LVL n-ply, 2.0E, 2850Fb, 1-3/4x11-7/8", 2-Plys

Self Weight of 11.98 plf automatically included in loads;

Lateral support: top= full, bottom= at supports; Load combinations: ICC-IBC;

SECTION vs. DESIGN CODE NDS-2001: (lbs, lbs-ft, or in)

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	$f_v^* = 291$	$F_v' = 356$	$f_v^*/F_v' = 0.82$
Bending(+)	$f_b = 1166$	$F_b' = 3566$	$f_b/F_b' = 0.33$
Live Defl'n	$0.00 = <L/999$	$0.10 = L/360$	0.05
Total Defl'n	$0.01 = <L/999$	$0.15 = L/240$	0.08

*The effect of point loads within a distance d of the support has been included as per NDS 3.4.3.1

ADDITIONAL DATA:

FACTORS:	F	CD	CM	Ct	CL	CV	Cfu	Cr	Cftr	Ci	Cn	LC#
Fb'+	2850	1.25	-	1.00	1.000	1.00	-	1.00	1.00	-	-	2
Fv'	285	1.25	-	1.00	-	-	-	-	1.00	-	1.00	2
Fcp'	750	-	-	1.00	-	-	-	-	1.00	-	-	-
E'	2.0 million	-	-	1.00	-	-	-	-	1.00	-	-	2

Bending(+): LC# 2 = D+C, M = 7991 lbs-ft

Shear : LC# 2 = D+C, V = 9595, V design* = 8071 lbs

Deflection: LC# 2 = D+C EI= 488.41e06 lb-in²/ply

Total Deflection = 1.50 (Dead Load Deflection) + Live Load Deflection.

(D=dead L=live S=snow W=wind I=impact C=construction CLd=concentrated)

(All LC's are listed in the Analysis output)

DESIGN NOTES:

- Please verify that the default deflection limits are appropriate for your application.
- SCL-BEAMS (Structural Composite Lumber): the attached SCL selection is for preliminary design only. For final member design contact your local SCL manufacturer.
- Size factors vary from one manufacturer to another for SCL materials. They can be changed in the database editor.
- BUILT-UP SCL-BEAMS: contact manufacturer for connection details when loads are not applied equally to all plys.

2Hw: Connie
**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001531**

DATE: 09/13/2010

BUILDING PERMIT NO. 26657

APPLICANT DION TAYLOR

PHONE 386.288.5087

ADDRESS POB 3311

LAKE CITY

FL 32056

OWNER DION TAYLOR

PHONE 386.288.5087

ADDRESS 208 SW POPPY GLN

LAKE CITY

FL 32024

CONTRACTOR DION TAYLOR

PHONE 386.288.5087

LOCATION OF PROPERTY 90-W TO SR. 247-S TO CALLAHAN.TL TO MORNING GLORY DR,TR TO

BUTTERCUP DR,TR TO POPPY GLN,TL @ THE END OF CUL-DE-SAC ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS

28

PARCEL ID # 15-4S-16-03023-528

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

SIGNATURE: *[Signature]*

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

✓

APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: *[Signature]*

DATE: 15 Sept 10

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

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



COLUMBIA COUNTY OFFICIAL CITY OF ALBUQUERQUE

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 15-4S-16-03023-528

Building permit No. 000026657

Use Classification SFD/UTILITY

Fire: 70.62

Permit Holder DION TAYLOR

Waste: 184.25

Owner of Building DION TAYLOR

Total: 254.87

Location: 208 SW POPPY GLN, LAKE CITY, FL 32024

Date: 11/24/2010

Ray Cur

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE BANA AVE

City: LAKE CITY

Phone: 752-1703

Site Location: Subdivision Rolling Meadows

Lot # 28 Block# 26651

Address 208 SW POPPY BLVD

Permit # 26651

Product used

☒ Premise

Imidacloprid

0.1%

☐ Termidor

Fipronil

0.12%

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated

Dwelling / Garage
Front Back Porch

Square feet

3214

Linear feet

280

Gallons Applied

300

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

8/8/08

Date

1200

Time

JAMES D PARKER

Print Technician's Name

F254 / JANNY

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©