

Columbia County Building Permit Application

Revised 9/13-04

For Office Use Only Application # 0709-08 Date Received 9/5 By JW Permit # 26208
 Application Approved by - Zoning Official BSLK Date 11.09.03 Plans Examiner DKYTH Date 9-10-07
 Flood Zone X P¹ Plat Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments NOC and EIT MISSING Authorization not signed by contractor

Applicants Name Melanie Roder Phone 623-7829
 Address 387 SW Kemp Ct Lake City, FL 32024
 Owners Name Venture Point LLC Phone 755-3707
 911 Address 215 SW Federal Ct Ft. White, FL 32038
 Contractors Name Aaron Simaque Homes Phone 867-0692
 Address P.O. Box 2695 Lake City, FL 32056
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address William Myers Design / Nick Geisler
 Mortgage Lenders Name & Address Millennium Bank
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 32-55-16-03745-316 Estimated Cost of Construction 90,000
 Subdivision Name Sunview Estates Addition Lot 16 Block _____ Unit _____ Phase _____
 Driving Directions 47 S TR on SW Sunview St, TR on SW Federal Ct, 3rd lot on right.

Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage 5.01 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 80'-0" Side 180'-10" Side 80'-0" Rear 567'-1"
 Total Building Height 16'-2" Number of Stories 1 Heated Floor Area 1670 Roof Pitch 4/12
70796 1315

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 standard of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

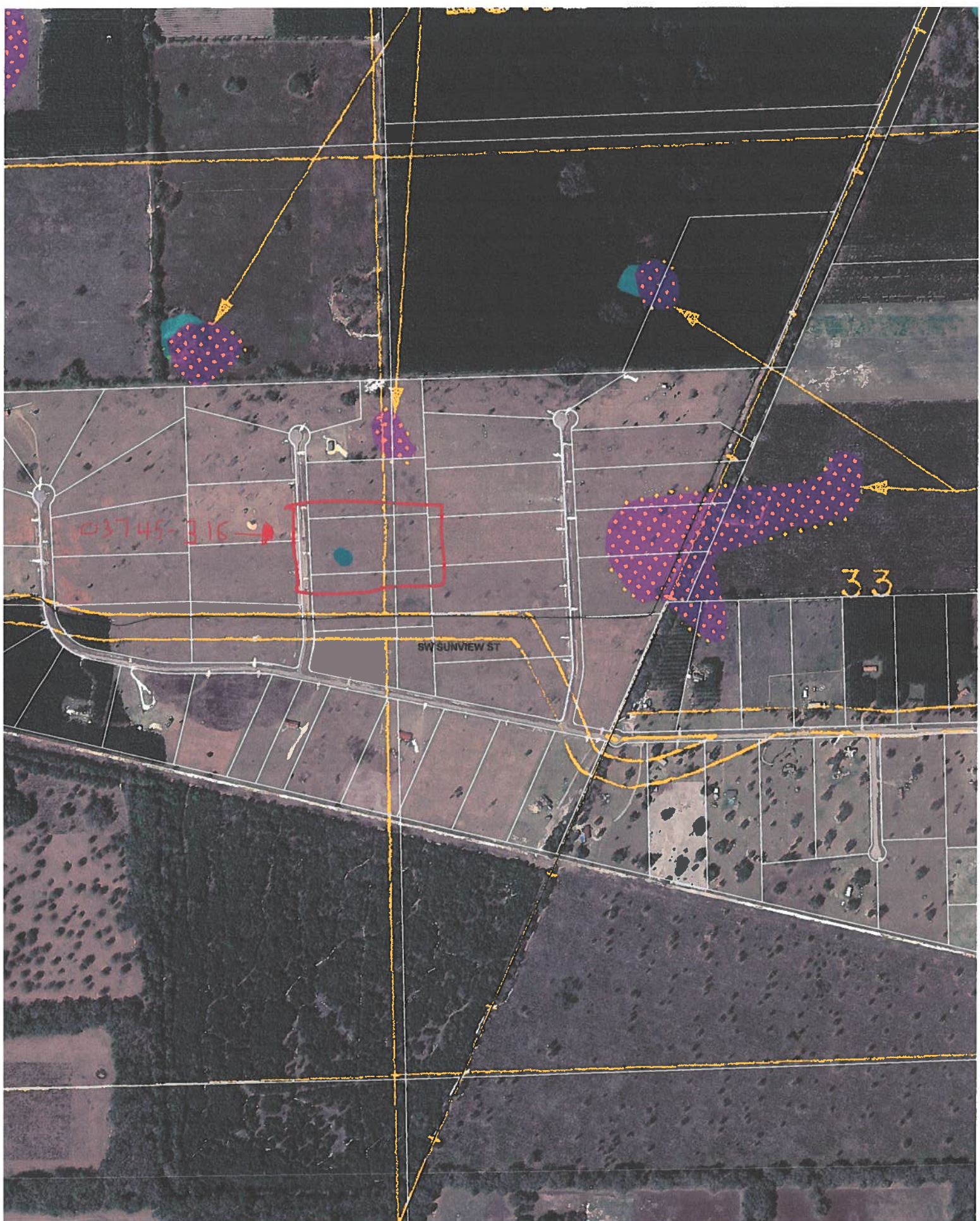
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor) _____
 Linda R. Roder
 Commission #DD30327
 Expires: Mar 24, 2008
 Bonded Thru Atlantic Bonding Co. _____
 Contractor Signature _____
 Contractors License Number RB29603130
 Competency Card Number _____
 NOTARY STAMP/SEAL

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 29 day of Aug 2007.
 Personally known or Produced Identification _____

Linda R. Roder
 Notary Signature
 Spoke w/ Melanie



0709-08

0709-08

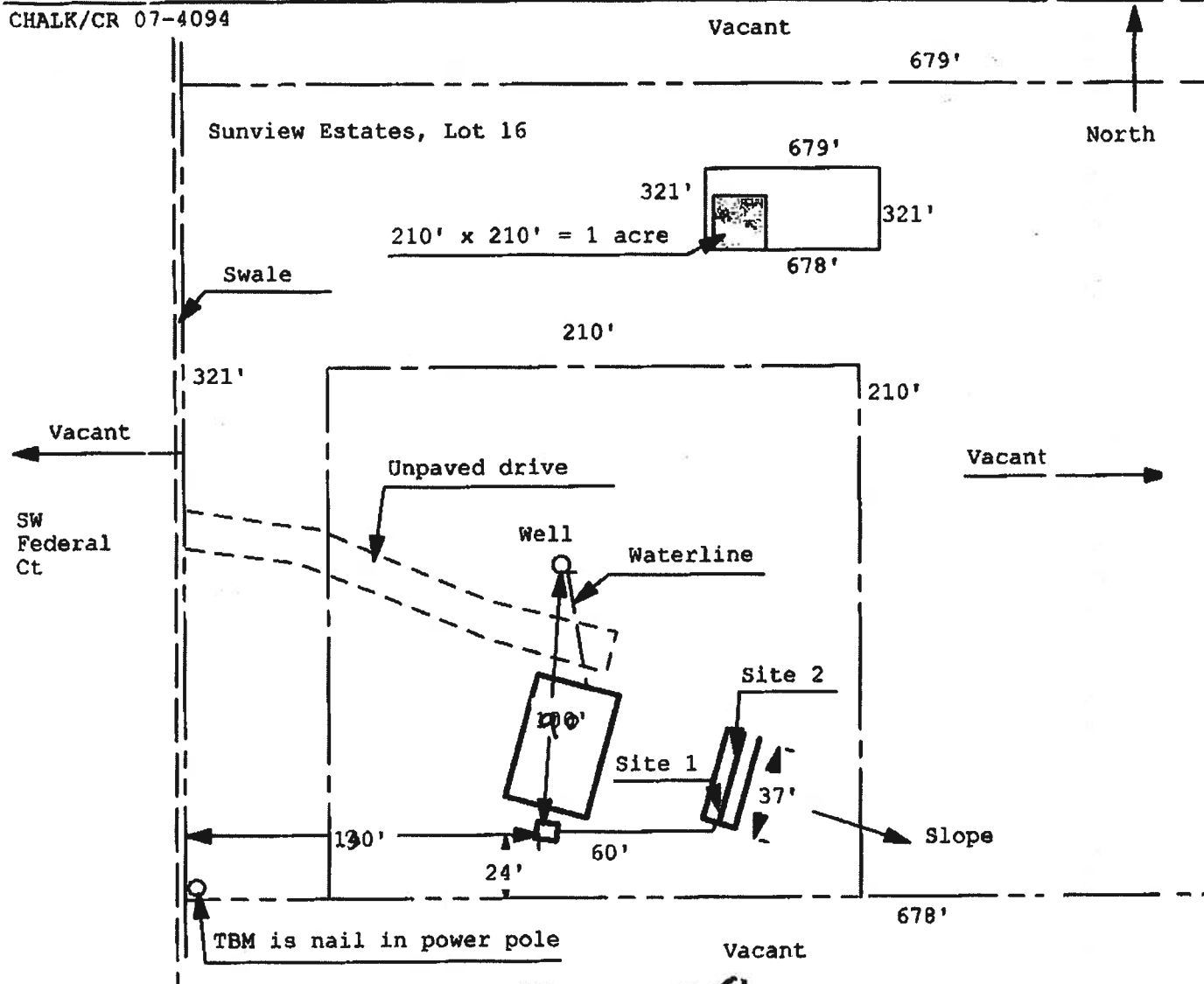
07-0699

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0699

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHALK/CR 07-4094



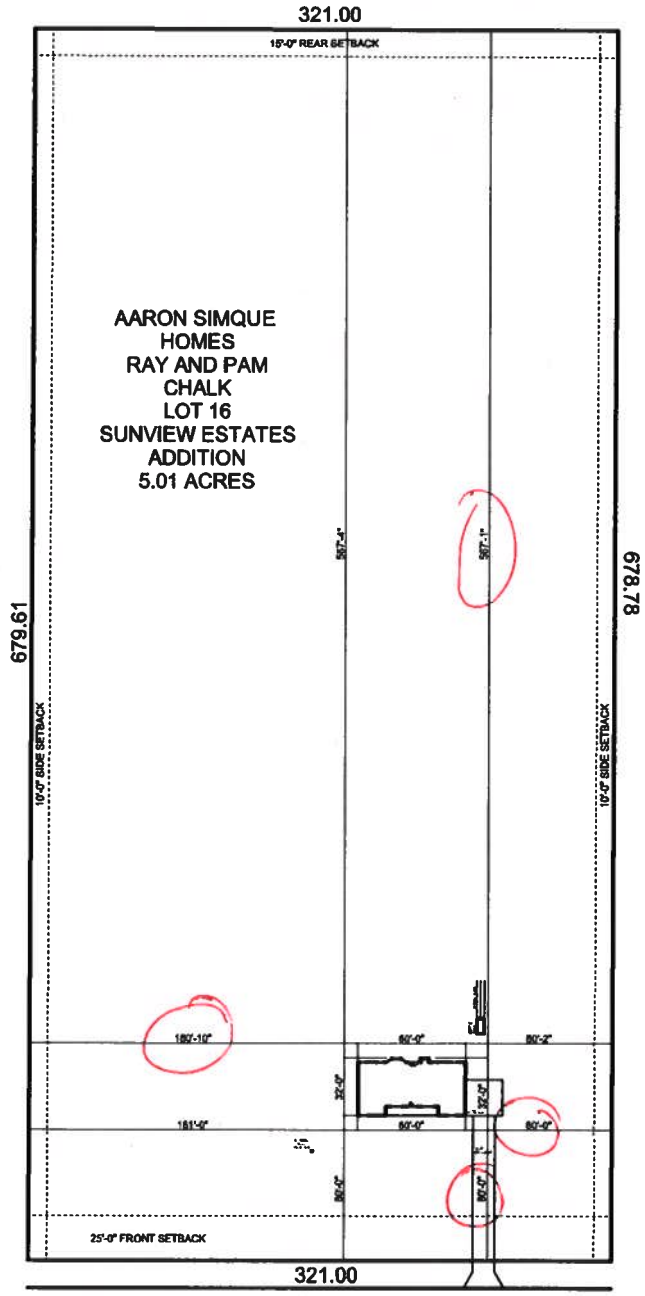
1 inch = 60 feet

Site Plan Submitted By Paul Lopez Date 7/22/07

Plan Approved Not Approved Date 8/31/07

By M. R. Columbia CPHU

Notes: _____



SCALE: 1" = 100'-0" SW FEDERAL CT

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 8/19/2007 DATE ISSUED: 8/20/2007

ENHANCED 9-1-1 ADDRESS:

215 SW FEDERAL CT

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

32-5S 16-03745-316

Remark :

LOT 13 SUNVIEW ESTATES ADD S/D

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

516

AUG 20 2007

911 Addressing/GIS Dept

Notice of Authorization

I, Aaron Simque, do hereby authorize Melanie Roder,

To be my representative and act on my behalf in all aspects of applying for a

Building permit to be located in Columbia County.

215 SW Federal Ct
Fort White, FL 32038

Contractor's signature

Date

Sworn and subscribed before me this 29 day of Aug, 2007



Notary Public



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Personally known _____
Produced ID (Type): _____

0709-08

FORM 600A-2004R Tested sealed ducts must be certified in this house.

EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Aaron Simque - Venture Point LLC	Builder:	Aaron Simque
Address:		Permitting Office:	<i>Columbia</i>
City, State:	Columbia County, FL 32024-	Permit Number:	<i>24208</i>
Owner:	Spec House	Jurisdiction Number:	<i>221000</i>
Climate Zone:	North		

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 34.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 13.00	___
4. Number of Bedrooms	2	___	b. N/A		___
5. Is this a worst case?	No	___	c. N/A		___
6. Conditioned floor area (ft ²)	1670 ft ²	___	13. Heating systems		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)			a. Electric Heat Pump	Cap: 34.0 kBtu/hr	___
a. U-factor:	Description Area			HSPF: 7.70	___
(or Single or Double DEFAULT)	7a. (Dble Default) 266.0 ft ²	___	b. N/A		___
b. SHGC:			c. N/A		___
(or Clear or Tint DEFAULT)	7b. (Clear) 266.0 ft ²	___	14. Hot water systems		
8. Floor types			a. Electric Resistance	Cap: 80.0 gallons	___
a. Slab-On-Grade Edge Insulation	R=5.0, 190.0(p) ft	___		EF: 0.90	___
b. N/A		___	b. N/A		___
c. N/A		___	c. Conservation credits		___
9. Wall types			(HR-Heat recovery, Solar		
a. Frame, Wood, Exterior	R=13.0, 1234.0 ft ²	___	DHP-Dedicated heat pump)		
b. N/A		___	15. HVAC credits		PT, ___
c. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		
d. N/A		___	HF-Whole house fan,		
e. N/A		___	PT-Programmable Thermostat,		
10. Ceiling types			MZ-C-Multizone cooling,		
a. Under Attic	R=30.0, 1670.0 ft ²	___	MZ-H-Multizone heating)		
b. N/A		___			
c. N/A		___			
11. Ducts(Leak Free)					
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 20.0 ft	___			
b. N/A		___			

Glass/Floor Area: 0.16 Total as-built points: 17080 **PASS**
 Total base points: 20315

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.
PREPARED BY: *[Signature]*
DATE: 8-31-07
 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.
OWNER/AGENT: _____
DATE: _____

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



BUILDING OFFICIAL: _____
DATE: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
 EnergyGauge® (Version: FLRCPB v4.5.2)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1670.0	18.59	5588.0	1.Double, Clear	W	1.5	8.0	45.0	38.52	0.96	1660.0
				2.Double, Clear	W	1.5	8.0	25.0	38.52	0.96	922.0
				3.Double, Clear	W	1.5	8.0	20.0	38.52	0.96	738.0
				4.Double, Clear	W	1.5	8.0	80.0	38.52	0.96	2952.0
				5.Double, Clear	E	1.5	8.0	20.0	42.06	0.96	805.0
				6.Double, Clear	E	6.5	8.0	60.0	42.06	0.57	1434.0
				7.Double, Clear	E	6.5	8.0	13.3	42.06	0.57	318.0
				8.Double, Clear	E	1.5	8.0	2.7	42.06	0.96	107.0
				As-Built Total:	266.0						8936.0
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		13.0		1234.0		1.50 1851.0	
Exterior	1234.0	1.70	2097.8								
Base Total:	1234.0		2097.8	As-Built Total:		1234.0		1851.0			
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				20.0		4.10 82.0	
Exterior	20.0	6.10	122.0								
Base Total:	20.0		122.0	As-Built Total:		20.0		82.0			
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points	
Under Attic	1670.0	1.73	2889.1	1. Under Attic		30.0		1670.0		1.73 X 1.00 2889.1	
Base Total:	1670.0		2889.1	As-Built Total:		1670.0		2889.1			
FLOOR TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Slab	190.0(p)	-37.0	-7030.0	1. Slab-On-Grade Edge Insulation		5.0		190.0(p)		-36.20 -6878.0	
Raised	0.0	0.00	0.0								
Base Total:			-7030.0	As-Built Total:		190.0		-6878.0			
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
	1670.0	10.21	17050.7					1670.0		10.21 17050.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024-

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 20717.6			Summer As-Built Points: 23930.8					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
20717.6	0.3250	6733.2	23931	1.00 (1.09 x 1.000 x 0.91)	0.260	0.950	5863.0	
			23930.8	1.00	0.992	0.260	0.950	5863.0

(sys 1: Central Unit 34000btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1670.0	20.17	6063.0	1.Double, Clear	W	1.5	8.0	45.0	20.73	1.01	943.0
				2.Double, Clear	W	1.5	8.0	25.0	20.73	1.01	523.0
				3.Double, Clear	W	1.5	8.0	20.0	20.73	1.01	419.0
				4.Double, Clear	W	1.5	8.0	80.0	20.73	1.01	1676.0
				5.Double, Clear	E	1.5	8.0	20.0	18.79	1.02	383.0
				6.Double, Clear	E	6.5	8.0	60.0	18.79	1.23	1389.0
				7.Double, Clear	E	6.5	8.0	13.3	18.79	1.23	308.0
				8.Double, Clear	E	1.5	8.0	2.7	18.79	1.02	51.0
				As-Built Total:				266.0	5692.0		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		13.0	1234.0	3.40		4195.6	
Exterior	1234.0	3.70	4565.8								
Base Total:	1234.0		4565.8	As-Built Total:			1234.0			4195.6	
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1. Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	12.30	246.0								
Base Total:	20.0		246.0	As-Built Total:			20.0			168.0	
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	1670.0	2.05	3423.5	1. Under Attic		30.0	1670.0	2.05 X 1.00		3423.5	
Base Total:	1670.0		3423.5	As-Built Total:			1670.0			3423.5	
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	190.0(p)	8.9	1691.0	1. Slab-On-Grade Edge Insulation		5.0	190.0(p)	7.60		1444.0	
Raised	0.0	0.00	0.0								
Base Total:			1691.0	As-Built Total:			190.0			1444.0	
INFILTRATION				Area X BWPM = Points				Area X WPM = Points			
	1670.0	-0.59	-985.3				1670.0	-0.59		-985.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024-

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 15004.0			Winter As-Built Points: 13937.8					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
15004.0	0.5540	8312.2	(sys 1: Electric Heat Pump 34000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			13937.8	1.000	(1.069 x 1.000 x 0.93)	0.443	0.950	5829.6
			13937.8	1.00	0.994	0.443	0.950	5829.6

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT										
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier	X	Credit	=	Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio				Multiplier		
Bedrooms														
2		2635.00	=	80.0	0.90	2		1.00		2693.56		1.00		5387.1
As-Built Total:													5387.1	

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
6733		8312		5270		20315	
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
5863		5830		5387		17080	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Columbia County, FL, 32024-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.6

The higher the score, the more efficient the home.

Spec House, , Columbia County, FL, 32024-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 34.0 kBtu/hr ___
3. Number of units, if multi-family	1	___		SEER: 13.00 ___
4. Number of Bedrooms	2	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1670 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)			13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 34.0 kBtu/hr ___
(or Single or Double DEFAULT)	7a. (Dble Default) 266.0 ft ²	___		HSPF: 7.70 ___
b. SHGC:			b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 266.0 ft ²	___	c. N/A	___
8. Floor types			14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 190.0(p) ft	___	a. Electric Resistance	Cap: 80.0 gallons ___
b. N/A		___		EF: 0.90 ___
c. N/A		___	b. N/A	___
9. Wall types			c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1234.0 ft ²	___	(HR-Heat recovery, Solar	___
b. N/A		___	DHP-Dedicated heat pump)	___
c. N/A		___	15. HVAC credits	PT, ___
d. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		___	HF-Whole house fan,	
10. Ceiling types			PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1670.0 ft ²	___	MZ-C-Multizone cooling,	
b. N/A		___	MZ-H-Multizone heating)	
c. N/A		___		
11. Ducts(Leak Free)				
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 20.0 ft	___		
b. N/A		___		

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

Project Name:	Aaron Simque - Venture Point LLC	Builder:	Aaron Simque
Address:		Permitting Office:	
City, State:	Columbia County, FL 32024-	Permit Number:	
Owner:	Spec House	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

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

Signature: _____
 Printed Name: _____
 Florida Rater Certification #: _____
 DATE: _____

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



BUILDING OFFICIAL: _____
 DATE: _____

Notice of Authorization

I Aaron Simque, hereby authorize Melanie Roder to be my representative
And act on my behalf in all aspects of applying for a roofing permit to be located in
Columbia County.



Contractor's signature

9/11/07
Date



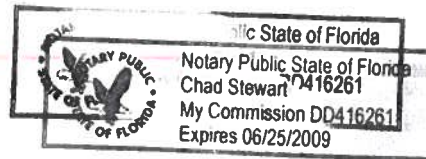
Notary Public

Sworn and subscribed to on this 11 day of September, 2007

X

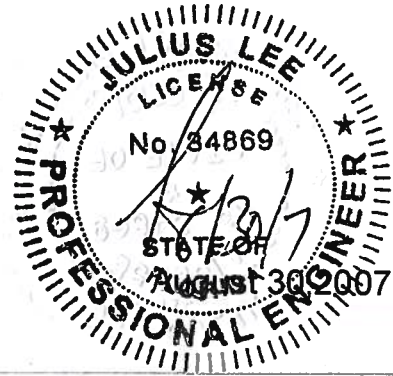
Personally know

Produced Identification (type)





Project Information for: L251701
 Builder: Aaron Simque Homes
 Address: 215 Southwest Federal Court
 ... Ft. White, Florida 32038
 County: Columbia
 Truss Count: 12
 Design Program: MiTek 20/20.6.3
 Building Code: FBC2004/TPI2002



Truss Design Load Information:
Gravity: Wind:

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B
 Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Aaron D. Simque Florida Registered Building Contractor License No. RB29003130
 Address: Aarom Simque Homes, Inc. Route 9 Box 785-33 Lake City, FL 32024

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1884321	CJ1	8/30/07
2	J1884322	CJ3	8/30/07
3	J1884323	EJ5	8/30/07
4	J1884324	HJ7	8/30/07
5	J1884325	T01	8/30/07
6	J1884326	T01G	8/30/07
7	J1884327	T02	8/30/07
8	J1884328	V1G	8/30/07
9	J1884329	V2	8/30/07
10	J1884330	V3	8/30/07
11	J1884331	V4	8/30/07
12	J1884332	V5	8/30/07



Project Information for: L251701

Builder: Aaron Simque Homes
 Address: 215 Southwest Federal Court
 Ft. White, Florida 32038
 County: Columbia
 Truss Count: 12

Design Program: MITek 20/20 6.3
 Building Code: FBC2004/TP12002

Truss Design Load Information:

Gravity: Wind:

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

Floor (psf): N/A

Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Aaron D. Simque Florida Registered Building Contractor License No. RB29003130
 Address: Aaron Simque Homes, Inc. Route 9 Box 785-33 Lake City, FL 32024
 Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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 ANS/TP1 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANS/TP1 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Dwg. #	Truss ID	Date
1	J1884321	CJ1	8/30/07
2	J1884322	CJ3	8/30/07
3	J1884323	EJ5	8/30/07
4	J1884324	HJ7	8/30/07
5	J1884325	T01	8/30/07
6	J1884326	T01G	8/30/07
7	J1884327	T02	8/30/07
8	J1884328	V1G	8/30/07
9	J1884329	V2	8/30/07
10	J1884330	V3	8/30/07
11	J1884331	V4	8/30/07
12	J1884332	V5	8/30/07

August 30, 2007



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, erection and bracing, consult BCSI-1 or HB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Oroffo Drive, Madison, WI 53719

August 30, 2007

Truss Plate
Truss Fabrication Engineer
Truss Plate No. 318888
Truss Plate No. 318888
Truss Plate No. 318888
Truss Plate No. 318888
Truss Plate No. 318888

LOAD CASE(S) Standard

Builders FirstSource, Lake City, WI 32055

6.300 s Feb 15 2006 MITEK Industries, Inc. Fri Aug 24 10:15:50 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L251701	CJ1	JACK	8	1	J1884321



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE
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August 30, 2007

Truss Case
 Truss Case No. 31888
 Florida PB No. 31888
 1100 Central Hwy. #100
 Boynton Beach, FL 33435

LOAD CASE(S) Standard

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MITek Industries, Inc. Fri Aug 24 10:15:50 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L251701	CJ3	JACK	8	1	J1884322
					CHALK RES.

August 30, 2007

Truss Design Engineer
 Truss Design No. 31888
 1100 Central Ave. #1100
 Boynton Beach, FL 33426

- NOTES**
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Extent(2) zone; Lumber DOL=1.60 plate gfp
 - *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3 and 201 lb uplift at joint 2.
- Continued on page 2

JOINT STRESS INDEX

2 = 0.15

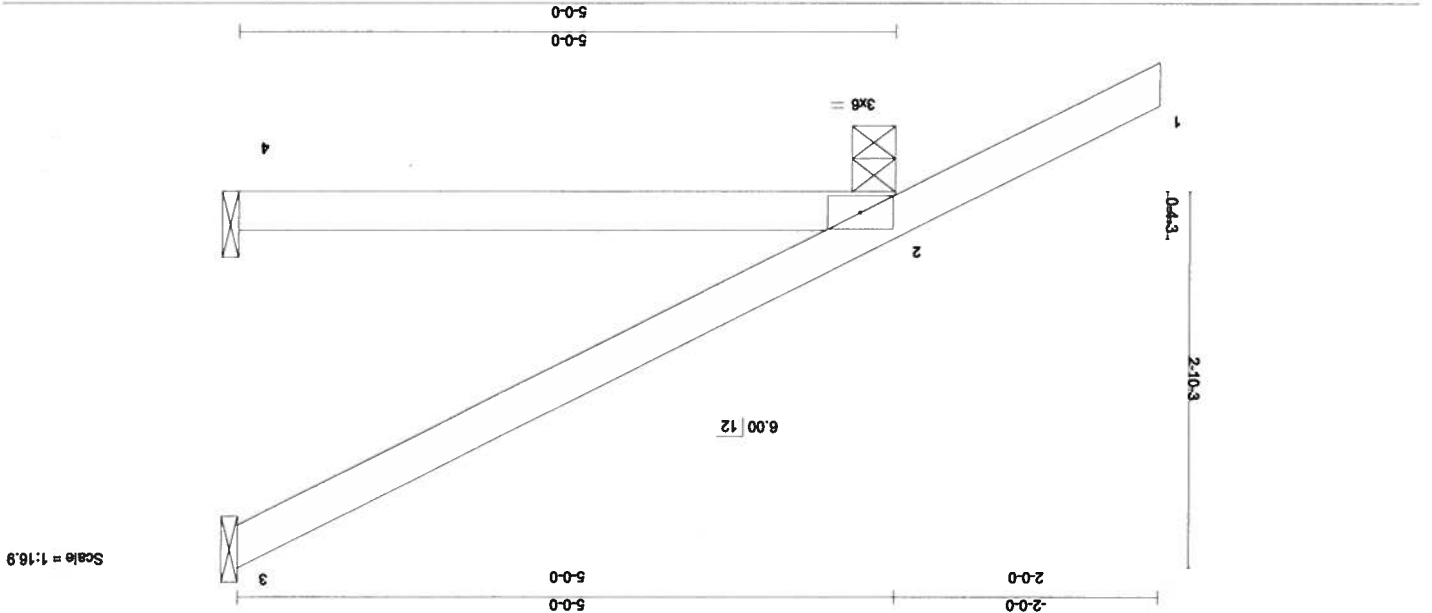
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-87/36
 BOT CHORD 2-4=0/0

REACTIONS (lb/size) 3=102/Mechanical, 2=296/0-4-0, 4=24/Mechanical
 Max Horiz 2=178(load case 6)
 Max Uplift 3=-86(load case 6), 2=-201(load case 6)
 Max Grav 3=102(load case 1), 2=296(load case 1), 4=72(load case 2)

LUMBER TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2

BRACING TOP CHORD Structural wood sheathing directly applied or 5-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	in (oc)	L/D	PLATES	GRIP	Weight: 19 lb
TCDL 20.0	Plates Increase 1.25	TC 0.30	Vert(L) -0.03	2-4	>999	360	MT20	244/190	
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(TL) -0.05	2-4	>999	240			
BCLL 10.0	* Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00	3	n/a	n/a			
BCDL 5.0	Code FBC2004/TP12002	(Matrix)							



Job	Truss	Truss Type	Qty	Ply	CHALK RES.	Job Reference (optional)
L251701	EJS	JACK	22	1		J1884323



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE M11-7473 BEFORE USE

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August 30, 2007

Truss Design Engineer
 Florida PE No. 31888
 1100 Central Expressway
 Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1251701	EJS	JACK	22	1	J1884323

Builders FirstSource, Lake City, FL 32055

6,300 s Feb 15 2006 MITEK Industries, Inc. Fri Aug 24 10:15:51 2007 Page 2

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Continued on page 2

- (B)
 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back
 lb uplift at joint 3 and 254 lb uplift at joint 2.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 live loads.
 2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other
 B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grp DOL=1.60.
 1) Wind: ASCE 7-02; 10mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp

NOTES

2 = 0.44

JOINT STRESS INDEX

FORCES (lb) - Maximum Compression/Maximum Tension

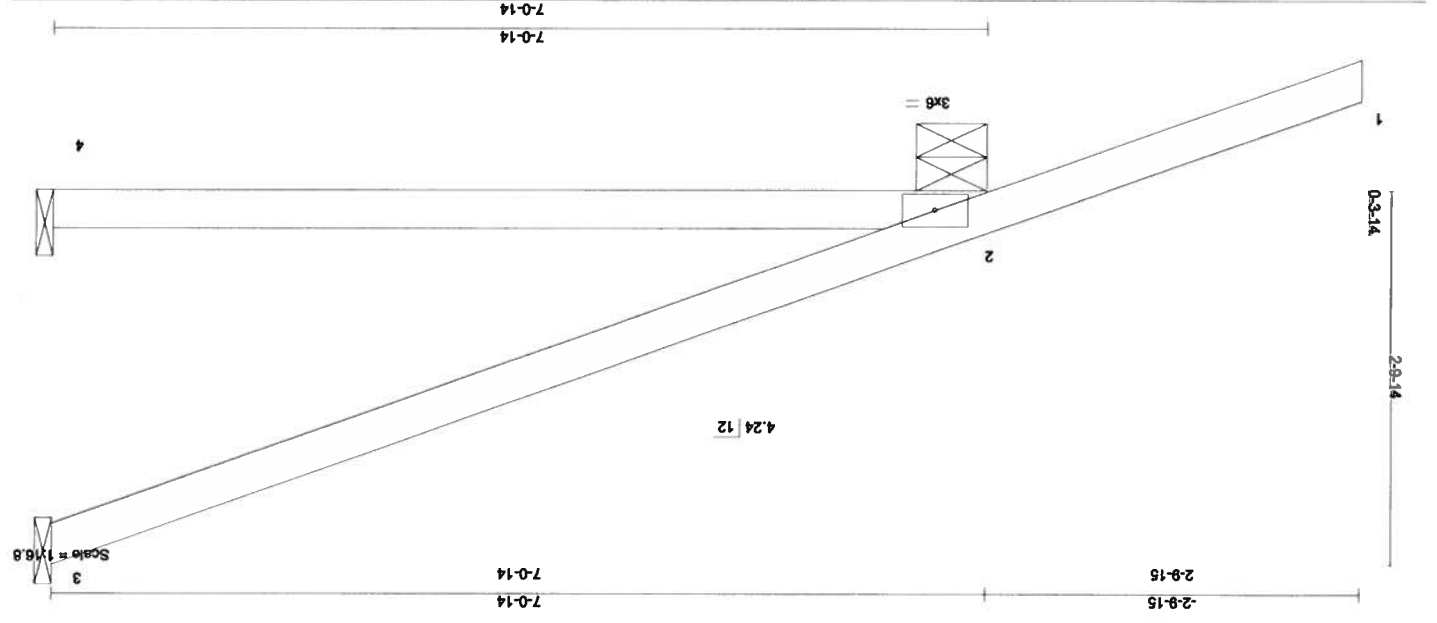
BOT CHORD	2-4=0/0
TOP CHORD	1-2=0/50, 2-3=-68/42

REACTIONS (lb/size) 3=183/Mechanical, 2=341/0-6-6, 4=37/Mechanical
 Max Horiz 2=168(load case 3)
 Max Uplift 3=-143(load case 3), 2=-254(load case 3)
 Max Grav 3=183(load case 1), 2=341(load case 1), 4=96(load case 2)

LUMBER	TOP CHORD	2 X 4 SYP No.2
BRACING	TOP CHORD	Structural wood sheathing directly applied or 7-0-14 oc purlins.
	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

LOADING (psf)	SPACING	CSI	DEFL	in (oc)	L/D	PLATES	GRIP
BCDL 5.0	2-0-0	0.55	Vert(TL)	-0.08	2-4	MT20	244/190
BCLL 10.0	Lumber Increase 1.25	0.27	Horz(TL)	-0.13	>619		
TCDL 7.0	* Rep Stress Incr NO	0.00			n/a		
TCLL 20.0	Code FBC2004/TP12002				n/a		

Weight: 26 lb



Job	L261701	Truss	HJ7	JACK	4	Ply	CHALK RES.	J1884324
					1			

Job Reference (optional)



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITRE REFERENCE PAGE M11-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITRE connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designers and / or contractor per ANSI / TP1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HB-91 Handling, Lifting and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 8300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 Donoho Drive, Madison, WI 53719

August 30, 2007

Truss Plate Institute
 Truss Design Engineer
 1100 Central Way, Suite 100
 Madison, WI 53719
 Phone: 608.271.1100
 Fax: 608.271.1101
 Email: info@trussplate.com

LOAD CASE(S) Standard
 (1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=54
 Trapezoidal Loads (plf)
 Vert: 2=4(F=25, B=25)-10-3=-95(F=-21, B=-21), 2=0(F=5, B=5)-10-4=-18(F=-4, B=-4)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L251701	HJ7	JACK	4	1	J1884324

Builders FirstSource, Lake City, WI 32055 6.300 s Feb 15 2006 Mittek Industries, Inc. Fri Aug 24 10:15:51 2007 Page 2



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 BEFORE USE
 This design is based upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with Mitek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designers and / or contractor per ANSI / TP1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

August 30, 2007

Continued on page 2
 (1) Unbalanced roof live loads have been considered for this design.

Truss Design Engineer
 Truss Design No. 2-1000
 1100 Central Express Drive
 Weymouth, MA 01978

JOINT STRESS INDEX
 2 = 0.57, 3 = 0.68, 4 = 0.71, 5 = 0.68, 6 = 0.57, 8 = 0.33, 9 = 0.56, 10 = 0.46 and 11 = 0.33

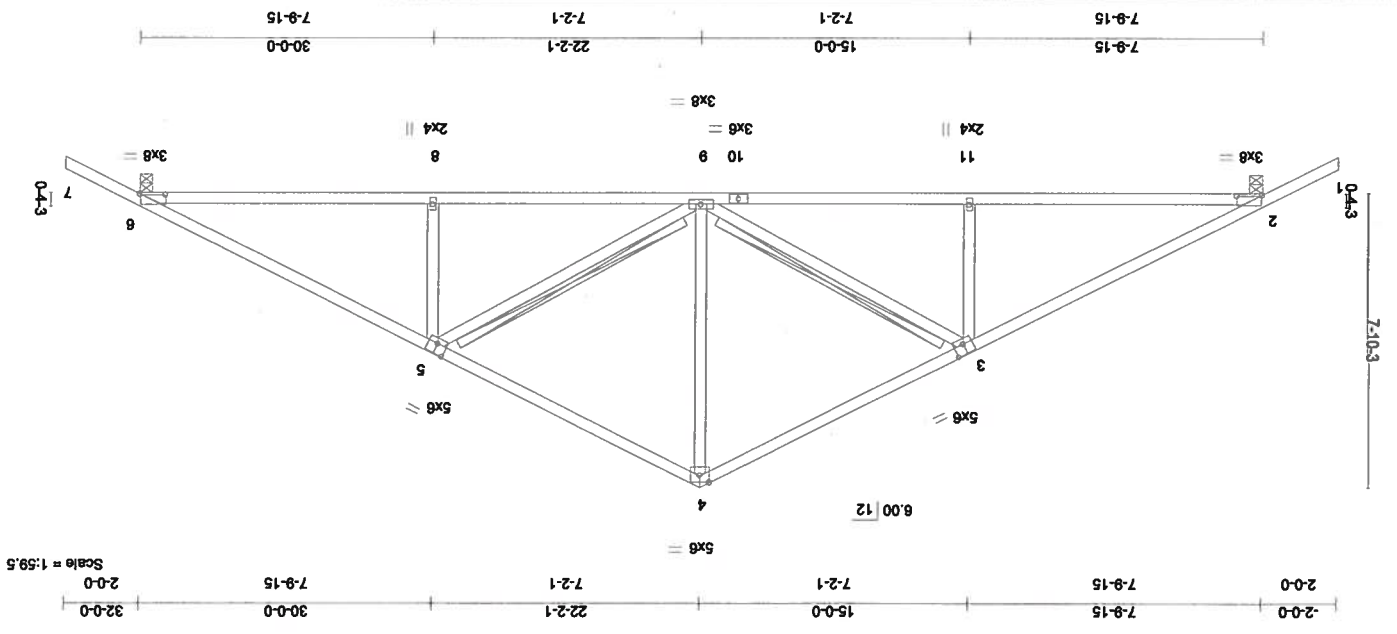
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1678/894, 3-4=-1150/723, 4-5=-1150/723, 5-6=-1678/894, 6-7=0/47
 BOT CHORD 2-11=-601/1410, 10-11=-602/1408, 8-9=-602/1408, 9-10=-602/1408, 6-8=-601/1410
 WEBS 3-11=0/242, 3-9=-550/391, 4-9=-341/581, 5-9=-550/391, 5-8=0/242

REACTIONS (lb/size) 2=1066/0-4-0, 6=1066/0-4-0
 Max Horz 2=-124(load case 7)
 Max Uplift 2=-302(load case 6), 6=-302(load case 7)

BRACING
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3
 Structural wood sheathing directly applied or 4-4-12 oc purlins.
 Rigid ceiling directly applied or 8-0-12 oc T-Brace:
 2 X 4 SYP No.3 - 3-9,
 5-9
 Fasten T and l braces to narrow edge of web with 10d Common wire nails, 9in o.c. with 4in minimum end distance.
 Brace must cover 90% of web length.

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/D	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.38	Vert(L) 0.10	9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.39	Vert(TL) -0.20	2-11	>999	240		
BCLL 10.0	* Rep Stress Incr YES	WB 0.34	Horz(TL) 0.07	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)						

Plate Offsets (X,Y): [2:0-8-4,0-0-6],[3:0-3-0,0-3-4],[4:0-3-0,0-2-4],[5:0-3-0,0-3-4],[6:0-8-4,0-0-6]



Job	Truss	Truss Type	Qty	Ply	CHALK RES.	Job Reference (optional)
L251701	T01	COMMON	10	1		J1884325

6,300 s Feb 15 2006 Mitek Industries, Inc. Fri Aug 24 10:15:52 2007 Page 1
 Builders FirstSource, Lake City, Fl 32055



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per AISI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendations available from the Wood Truss Council of America, 1 WTCA Center, 8300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 Donatto Drive, Madison, WI 53719

August 30, 2007

Truss Plate
 Truss Plate No. 21888
 1 1/2" x 1/2" x 1/2" x 1/2"
 Boynton Babson, FL 32945

LOAD CASE(S) Standard

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2 and 302 lb uplift at joint 6.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) *This truss has been designed for a 1.0 psf bottom chord live load nonconcurrent with any other live loads.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

NOTES

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MITEK Industries, Inc. Fri Aug 24 10:15:52 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1261701	T01	COMMON	10	1	J1884325



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITTEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TFI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-51 Handling, Installation and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

August 30, 2007

Continued on page 2

JOINT STRESS INDEX
 2 = 0.75, 3 = 0.87, 4 = 0.33, 5 = 0.56, 6 = 0.33, 7 = 0.58, 8 = 0.87, 9 = 0.75, 11 = 0.33, 12 = 0.95, 13 = 0.33, 14 = 0.85, 15 = 0.95, 16 = 0.33, 17 = 0.33, 18 = 0.24, 19 = 0.33, 20 = 0.33, 21 = 0.33, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.33, 26 = 0.33, 27 = 0.33, 28 = 0.33, 29 = 0.33 and 30 = 0.33

Vertical Line
 Truss - Design
 Truss - Detail
 Truss - Fabrication
 Truss - Erection
 Truss - Storage
 Truss - Shipping
 Truss - Unloading
 Truss - Installation
 Truss - Bracing
 Truss - Connections
 Truss - Components
 Truss - Materials
 Truss - Tools
 Truss - Safety
 Truss - Quality
 Truss - Inspection
 Truss - Maintenance
 Truss - Repairs
 Truss - Replacement
 Truss - Demolition
 Truss - Disposal

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/51, 2-3=-3996/2087, 3-4=-5796/3134, 4-5=-5794/3132, 5-6=-5794/3132, 6-7=5794/3132, 7-8=-5796/3133, 8-9=-3996/2087, 9-10=0/51
 BOT CHORD 2-16=-1828/3523, 15-16=-1823/3509, 14-15=-3471/6559, 13-14=-3471/6559, 12-13=-3471/6559, 11-12=-1799/3509, 9-11=-1804/3523
 WEBS 3-16=-82/242, 3-15=-1447/2603, 4-15=-697/488, 5-15=-868/480, 5-13=0/179, 5-12=-868/480, 7-12=-697/488, 8-12=-1447/2603, 8-11=-81/242

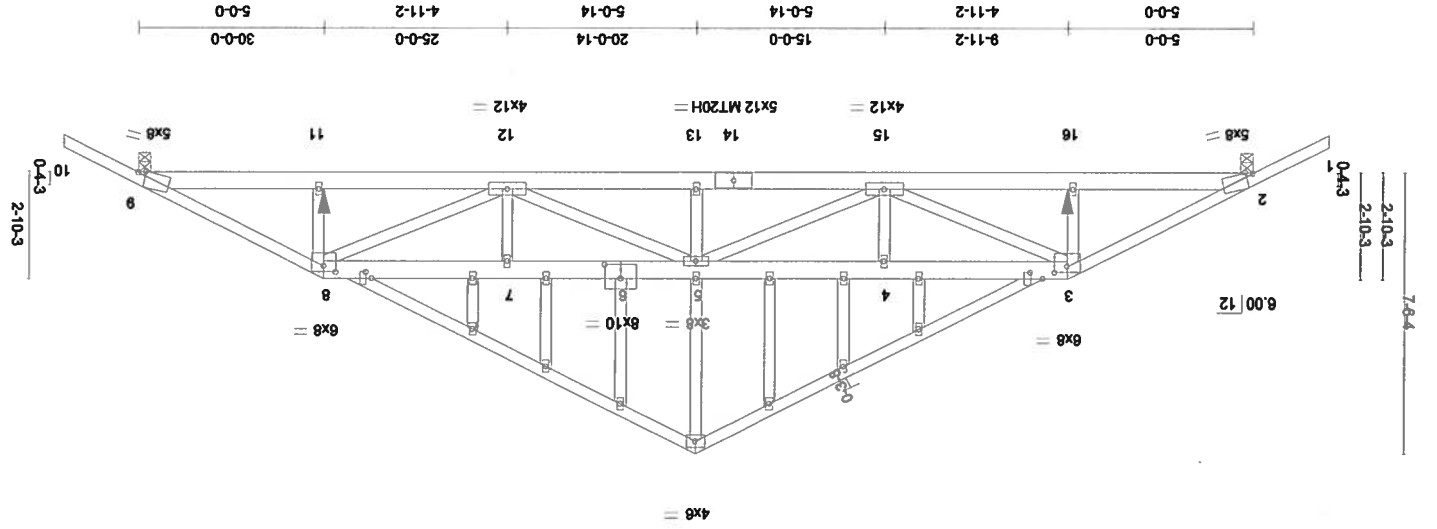
REACTIONS (lb/size) 2=2051/0-4-0, 9=2051/0-4-0
 Max Horiz 2=75(load case 5)
 Max Uplift 2=-1046(load case 5), 9=-1046(load case 5)

LUMBER TOP CHORD 2 X 4 SYP No.2 *Except*
 3-6 2 X 6 SYP No.1D, 6-8 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3
 OTHERS 2 X 4 SYP No.3
BRACING TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins. Except:
 3-4-0 oc bracing: 3-8
 Rigid ceiling directly applied or 4-6-3 oc bracing.

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.67	Vert(LL) 0.42	13	>850	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.77	Vert(TL) -0.66	13	>542	240	MT20H	187/143
BCLL 10.0	* Rep Stress Incr NO	WB 0.83	Horz(TL) 0.13	9	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)						

Weight: 245 lb

Plate Offsets (X,Y): [2:0-2-6,Edge], [3:0-4-0,0-1-15], [6:0-5-0,0-4-8], [8:0-4-0,0-1-15], [9:0-2-6,Edge], [17:0-2-0,0-3-15], [19:0-2-0,0-1-15]



Builders FirstSource, Lake City, FI 32055
 6.300 s Feb 15 2006 Mittek Industries, Inc. Fri Aug 24 10:15:53 2007 Page 1

Job	Truss	Truss Type	Qty	Ply	CHALK RES.	Job Reference (optional)
L251701	T01G	GABLE	2			J1884326
			1			



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 563 D'Onofrio Drive, Madison, WI 53719

August 30, 2007

TRUSS DESIGN ENGINEER
 1100 CHESTER AVE. SUITE 100
 BOYNTON TOWNSHIP, NJ 08008

- LOAD CASE(S) Standard**
 (1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-8=-127(F=-73), 8-10=-54, 2-16=-10, 11-16=-17(F=-7), 9-11=-10
 Concentrated Loads (lb)
 Vert: 16=-187(F) 11=-187(F)
- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MITEK "Standard Gable End Detail"
 - Provide adequate drainage to prevent water ponding.
 - *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - All bearings are assumed to be SYP No.2 crushing capacity of 555.00 psi
 - Provide mechanical connection (by others) or truss to bearing plate capable of withstanding 1046 lb uplift at joint 2 and 1046 lb uplift at joint 9.
 - Girder carries hip end with 5-0-0 end setback.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - Gable truss supports 1' 0" max. rake gable overhang.

Job	Truss	Truss Type	Qty	Ply	CHALK RES.	Job Reference (optional)
1251701	T01G	GABLE	2			
J1884326			1			

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 BEFORE USE

This design is based upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with Mittek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TP1 as referenced by the building code. For general guidelines regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

August 30, 2007

Truss Design Engineer
 Florida Professional Engineer
 License No. 31888
 1100 Central Way
 Boynton Beach, FL 33435

LOAD CASE(S) Standard
 Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-54, 4-7=-54, 7-6=-10
 Concentrated Loads (lb)
 Vert: 13=-258

- NOTES**
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - All beams are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 271 lb uplift at joint 2, 278 lb uplift at joint 8 and 352 lb uplift at joint 6.

Builders FirstSource, Lake City, FL 32055 6.300 s Apr 19 2006 Mittek Industries, Inc. Thu Aug 30 13:53:48 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L251701	T02	COMMON	14	1	J1884327
					CHALK RES.

August 30, 2007

Continued on page 2

1 = 0.23, 2 = 0.33, 3 = 0.33, 4 = 0.33, 5 = 0.24, 6 = 0.33, 7 = 0.33, 8 = 0.33, 9 = 0.23, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33, 14 = 0.15, 15 = 0.33, 16 = 0.33 and 17 = 0.33

JOINT STRESS INDEX

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-81/41, 2-3=-47/79, 3-4=-34/109, 4-5=-37/163, 5-6=-37/163, 6-7=-34/106, 7-8=-47/61, 8-9=-54/41
 BOT CHORD 1-17=0/82, 16-17=0/82, 15-16=0/82, 14-15=0/82, 13-14=0/82, 12-13=0/82, 11-12=0/82, 10-11=0/82, 9-10=0/82
 WEBS 5-13=-94/0, 4-15=-120/110, 3-16=-77/84, 2-17=-187/185, 6-12=-120/110, 7-11=-77/84, 8-10=-187/185

Truss Design and Detailing
 1000 Park Drive
 Madison, WI 53719
 Tel: 608.271.1111
 Fax: 608.271.1112

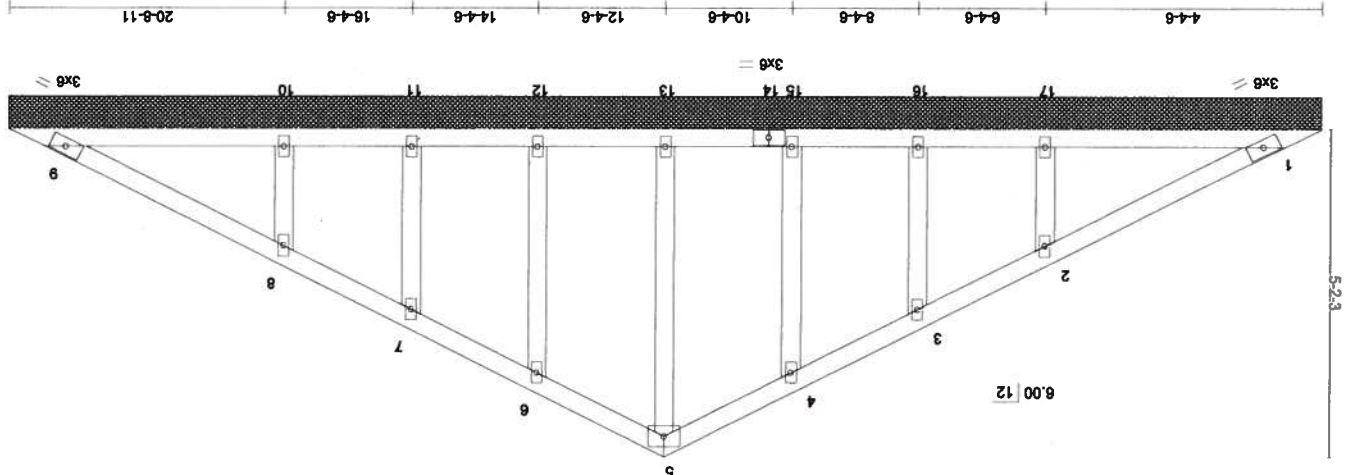
REACTIONS (lb/size)

1=103/20-8-11, 9=103/20-8-11, 13=112/20-8-11, 15=140/20-8-11, 16=80/20-8-11, 17=244/20-8-11, 11=80/20-8-11, 10=244/20-8-11
 Max Horiz 1=71(load case 5)
 Max Uplift 1=-32(load case 7), 9=-25(load case 7), 15=-91(load case 6), 16=-56(load case 6), 17=-164(load case 6), 12=-90(load case 7), 11=-57(load case 7), 10=-164(load case 7)
 Max Grav 1=103(load case 1), 9=103(load case 1), 13=112(load case 1), 15=144(load case 10), 16=80(load case 1), 17=244(load case 10), 12=144(load case 11)

LUMBER TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.3
 OTHERS 2 X 4 SYP No.3

BRACING TOP CHORD Structural wood sheathing directly applied or 6-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0 oc bracing.

LOADING (psf)	SPACING	CSI	DEFL	in (oc)	l/defl	L/d	PLATES	GRIP
20.0	2-0-0	0.11	0.00	9	n/a	999	MT20	244/190
TCLL	Plates Increase 1.25	TC 0.11	Vert(TL) n/a	-	n/a	999		
TCDL	Lumber Increase 1.25	BC 0.07	Horz(TL) 0.00	-	n/a	999		
BCLL	* Rep Stress Incr YES	WB 0.05			n/a	999		
BCLD	Code FBC2004/TP12002	(Matrix)			n/a	999		
5.0					n/a	999		



REFER TO DRAWING VALTRUSS1103 FOR VALLEY TRUSS DETAIL INFORMATION.

Scale = 1:35.2



Builders FirstSource, Lake City, WI 32055 6.300 s Feb 15 2006 Mittek Industries, Inc. Fri Aug 24 10:15:55 2007 Page 1

Job	Truss	Truss Type	Qty	Ply	CHALK RES.	Job Reference (optional)
L251701	V1G	GABLE	1	1		J1884328

August 30, 2007

Truss Plate
Truss Gable Connector
Truss Plate No. 21800
1 1/2" x 3/8" x 1/2" x 1/2"
Boynton Beeson, FL 33455

LOAD CASE(S) Standard

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 10mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 1, 25 lb uplift at joint 9, 91 lb uplift at joint 15, 56 lb uplift at joint 16, 164 lb uplift at joint 17, 90 lb uplift at joint 12, 57 lb uplift at joint 11 and 164 lb uplift at joint 10.

NOTES

Builders FirstSource, Lake City, FL 32055 6.300 s Feb 15 2006 Mittek Industries, Inc. Fri Aug 24 10:15:55 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1251701	V1G	GABLE	1	1	J1884328



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installation and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 Donofrio Drive, Madison, WI 53719

August 30, 2007

Truss Design Engineer
 Thomas P. No. 31888
 1100 Central Expressway
 Boynton Beach, FL 33426

LOAD CASE(S) Standard

- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1, 22 lb uplift at joint 5, 128 lb uplift at joint 9 and 128 lb uplift at joint 6.
- 6) Non Standard bearing condition. Review required.

NOTES

Builders FirstSource, Lake City, FL 32055 6.300 s Feb 15 2006 MITEK Industries, Inc. Fri Aug 24 10:15:56 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L251701	V2	GABLE	1	1	J1884329



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473 BEFORE USE
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August 30, 2007

Truss Plate
 Truss Design Center
 P.O. Box 21888
 Fort Lauderdale, FL 33321

LOAD CASE(S) Standard

- 6) Non Standard bearing condition. Review required.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 6 lb uplift at joint 5, 19 lb uplift at joint 7, 96 lb uplift at joint 8 and 96 lb uplift at joint 6.

NOTES

Builders FirstSource, Lake City, FL 32055 6:300 s Apr 19 2006 Mitek Industries, Inc. Thu Aug 30 13:56:23 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L261701	V3	GABLE	1	1	J1884330
					CHALK RES.



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HB-91 Handling, Installation and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 Donohoe Drive, Madison, WI 53719

August 30, 2007

Truss Plate
 Truss Design
 Florida Plate No. 11888
 1-800-CHESS-PLATE
 Boynton Beach, FL 33435

LOAD CASE(S) Standard

- 6) Non Standard bearing condition. Review required.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1, 39 lb uplift at joint 3 and 56 lb uplift at joint 4.

NOTES

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 Mitek Industries, Inc. Fri Aug 24 10:15:57 2007 Page 2

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1251701	V4	GABLE	1	1	J1884331



Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MI-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITER connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCS-1 or HB-91 Handling Installation and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 Donoho Drive, Madison, WI 53719

August 30, 2007

Truss Design Engineer
 Truss Plate No. 2188B
 1100 Chestnut Bay Blvd
 Boynton Beach, FL 33426

LOAD CASE(S) Standard

6) Non Standard bearing condition. Review required.

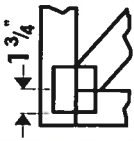
NOTES

Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 Mitek Industries, Inc. Fri Aug 24 10:15:58 2007 Page 2

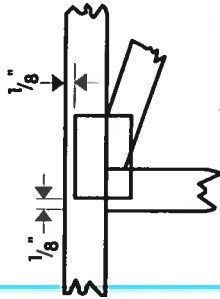
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1251701	V6	GABLE	1	1	J1884332

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



* This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

4 X 4

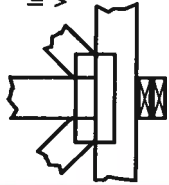
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



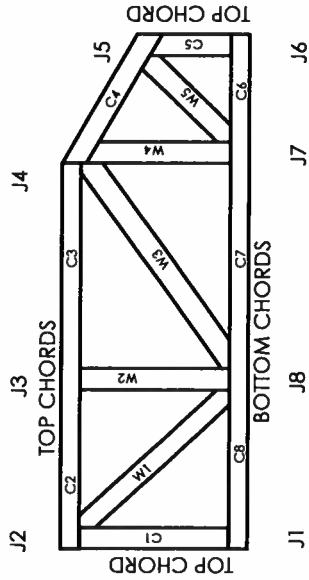
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561



MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

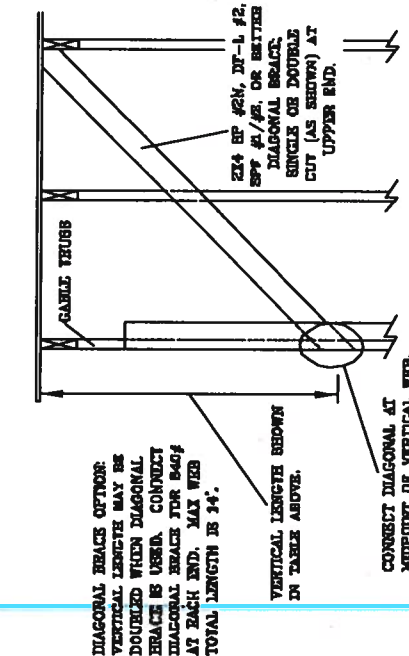
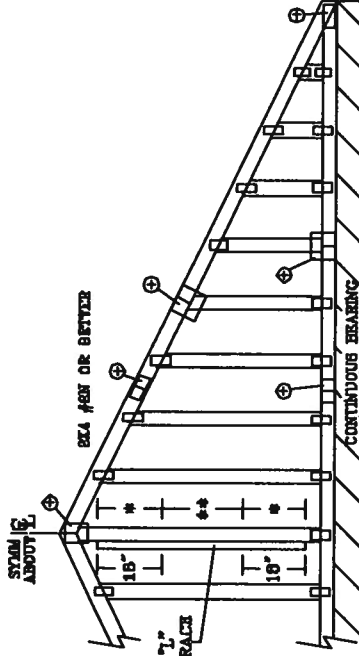
Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length ($\pm 6"$ from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purfins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH	GABLE SPECIES	BRACE GRADE	BRACE NO	(1) 2x4 7' BRACE		(2) 2x4 7' BRACE		(1) 2x6 7' BRACE		(2) 2x6 7' BRACE		
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	
O.C.	SPF	#1 / #2	3' 4"	6' 10"	6' 11"	7' 1"	6' 3"	8' 8"	10' 10"	11' 2"	12' 11"	13' 3"
	HF	STUD	3' 3"	4' 11"	6' 5"	6' 6"	6' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	5' 6"	5' 6"	6' 3"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"
24"	SP	#1	3' 8"	5' 10"	6' 3"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	6' 10"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
	DFL	STUD	3' 6"	5' 0"	6' 0"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
O.C.	SPF	#1 / #2	3' 4"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	14' 0"
	HF	STUD	3' 3"	5' 0"	6' 0"	6' 11"	8' 1"	8' 6"	12' 6"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 3"	5' 2"	6' 2"	6' 10"	7' 11"	8' 5"	12' 4"	12' 4"	14' 0"	14' 0"
16"	SP	#1	4' 2"	8' 8"	7' 2"	7' 11"	8' 8"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
		#2	4' 0"	8' 2"	7' 11"	8' 8"	9' 2"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
	DFL	STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	8' 5"	12' 6"	13' 8"	14' 0"	14' 0"
O.C.	SPF	#1 / #2	4' 3"	7' 4"	6' 3"	6' 11"	8' 11"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
	HF	STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 6"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	6' 11"	7' 10"	8' 9"	8' 9"	10' 5"	13' 6"	13' 6"	14' 0"	14' 0"
12"	SP	#1	4' 8"	7' 4"	6' 11"	7' 10"	8' 9"	9' 5"	10' 6"	11' 2"	13' 8"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	8' 9"	10' 6"	11' 2"	13' 8"	14' 0"	14' 0"
	DFL	STUD	4' 4"	7' 2"	7' 2"	8' 9"	8' 9"	10' 5"	10' 11"	13' 6"	14' 0"	14' 0"
		STANDARD	4' 4"	7' 1"	7' 1"	8' 9"	8' 9"	10' 6"	10' 11"	13' 6"	14' 0"	14' 0"



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	#1 / #2	STANDARD	#2	STUD
DOUGLAS FIR-LARCH	#2	STANDARD	#3	STANDARD
SOUTHERN PINE	#2	STUD	#3	STANDARD

GROUP B:

SPRUCE-PINE-FIR	#1	STUD
DOUGLAS FIR-LARCH	#1	STUD
SOUTHERN PINE	#2	STUD

GROUP A:

SPRUCE-PINE-FIR	#1	STUD
DOUGLAS FIR-LARCH	#1	STUD
SOUTHERN PINE	#2	STUD

GROUP B:

SPRUCE-PINE-FIR	#1	STUD
DOUGLAS FIR-LARCH	#1	STUD
SOUTHERN PINE	#2	STUD

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE DELFT CONNECTIONS FOR 130 PLF OVER CONTINUOUS BRACING (6 PSF VC DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0" OUTLENGERS WITH 8' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH 7' BRACE WITH 104 NAILS.

FOR (1) 7' BRACE: SPACE NAILS AT 8" O.C. ON 18" END ZONES AND 4" O.C. BETWEEN ZONES.

FOR (2) 7' BRACE: SPACE NAILS AT 3" O.C. ON 18" END ZONES AND 8" O.C. BETWEEN ZONES.

7' BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO. SPACES
LESS THAN 8' 0"	104 OR 108
GREATER THAN 8' 0", BUT LESS THAN 11' 8"	204
GREATER THAN 11' 8"	204

+ REFER TO COMMON TENDS DESIGN FOR PEAK, SPLICE, AND REEL PLATES.

JULIUS LEE'S CONS. ENGINEERS P.A.
 1455 SW 4th AVENUE
 DELRAY BEACH, FL 33444-3161

REF: ASCT7-02-CAB130M5
 DATE: 11/26/09
 DRWG: MTRK STD CABLES 15 I II
 -ENG

MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0"

No. 34869
 STATE OF FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 3100 J-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPI TRUSS PLATE INSTITUTE, 982 DORCHESTER DR., SUITE 200, MADISON, VA 22726) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LN, MADISON, VA 22719) FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS ASSEMBLY. ALL TRUSSES SHOWN ARE UNBRACED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING.

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH	CABLE SPECIES	BRACE GRADE	(1) 1X4 7" BRACE		(2) 2X4 7" BRACE		(1) 2X6 7" BRACE		(2) 2X8 7" BRACE	
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	5' 6"	6' 8"	7' 10"	6' 9"	10' 3"	6' 0"	10' 7"	12' 3"
	HF	STUD	4' 5"	5' 10"	7' 10"	5' 10"	9' 1"	7' 10"	9' 1"	12' 3"
	SP	STANDARD	3' 9"	4' 5"	7' 10"	5' 10"	9' 1"	7' 10"	9' 1"	12' 3"
	DFL	#1	5' 8"	6' 8"	7' 10"	6' 9"	10' 3"	6' 9"	10' 7"	12' 3"
24" O.C.	SPF	#3	5' 6"	6' 8"	7' 10"	6' 9"	10' 3"	6' 5"	11' 1"	12' 3"
	HF	STUD	4' 6"	5' 11"	7' 10"	5' 11"	9' 4"	6' 5"	10' 3"	12' 3"
	SP	STANDARD	3' 10"	4' 6"	7' 10"	5' 11"	9' 4"	6' 5"	10' 3"	12' 3"
	DFL	#3	4' 6"	5' 11"	7' 10"	5' 11"	9' 4"	6' 5"	10' 3"	12' 3"
16" O.C.	SPF	#1 / #2	3' 8"	4' 8"	5' 11"	4' 8"	8' 1"	8' 1"	9' 4"	12' 3"
	HF	STUD	3' 5"	4' 8"	5' 11"	4' 8"	8' 1"	8' 1"	9' 4"	12' 3"
	SP	STANDARD	3' 7"	4' 8"	5' 11"	4' 8"	8' 1"	8' 1"	9' 4"	12' 3"
	DFL	#3	3' 7"	4' 8"	5' 11"	4' 8"	8' 1"	8' 1"	9' 4"	12' 3"
12" O.C.	SPF	#1 / #2	4' 0"	5' 4"	6' 8"	4' 0"	7' 7"	6' 3"	8' 7"	12' 3"
	HF	STUD	3' 11"	5' 4"	6' 8"	4' 0"	7' 7"	6' 3"	8' 7"	12' 3"
	SP	STANDARD	3' 11"	5' 4"	6' 8"	4' 0"	7' 7"	6' 3"	8' 7"	12' 3"
	DFL	#3	4' 0"	5' 4"	6' 8"	4' 0"	7' 7"	6' 3"	8' 7"	12' 3"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCER-PINE-YE	#1 / #2	STANDARD
HEM-FIR	#2	STANDARD
DOUGLAS FIR-LARCH	#3	STANDARD

GROUP B:

HEM-FIR	#1 & #2	
DOUGLAS FIR-LARCH	#3	

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCER-PINE-YE	#1 / #2	STANDARD
HEM-FIR	#2	STANDARD
DOUGLAS FIR-LARCH	#3	STANDARD

GROUP B:

HEM-FIR	#1 & #2	
DOUGLAS FIR-LARCH	#3	

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BRACING (6 PSP W/ DEAD LOAD).

CABLE END SUPPORTS LOAD FROM ± 0° OUTLOOKERS WITH 3' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH 7" BRACE WITH 10d NAILS.

* FOR (1) 7" BRACE: SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

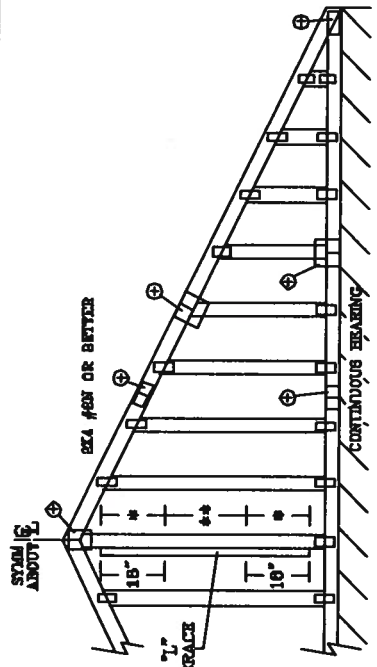
** FOR (2) 7" BRACES: SPACE NAILS AT 5" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

7" BRACING MUST BE A MINIMUM OF SIX OF WEB MEMBER LENGTH.

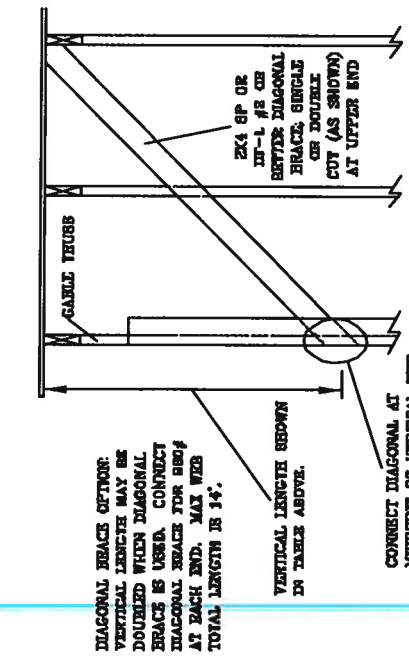
CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 0"	2X4
GREATER THAN 11' 0"	2X6A

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPICE, AND BEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTHS.



BEARING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SUPPORTING, INSTALLING AND BRACING. REFER TO BESS 1-03 CEILING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CEILING PLATE INSTITUTE, 383 DUNDREDF RD., SUITE 200, HANSDEN, VA 52719, AND VICA (VULCAN TRUSS) COUNCIL OF AMERICA, 6800 ENTERPRISE LN., HARRISON, VA 52719, 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 ROOF CEILING.

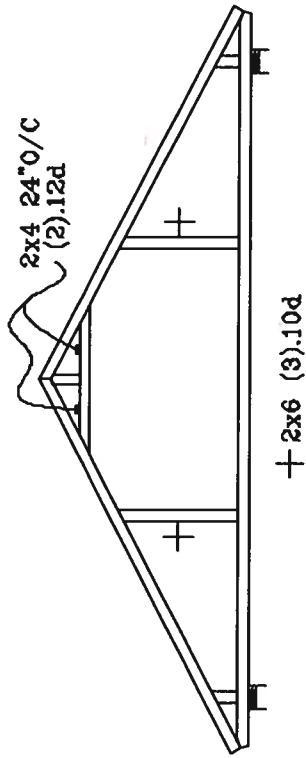
JULIUS LEE'S
CONS. ENGINEERS P.A.
1465 BR 403 AVENUE
DELRAY BEACH, FL 33444-8611

REF: ASCE7-02-GABI:3090
DATE: 11/26/09
DWG: MYPE STD GABLE SW 2 97
-ENG

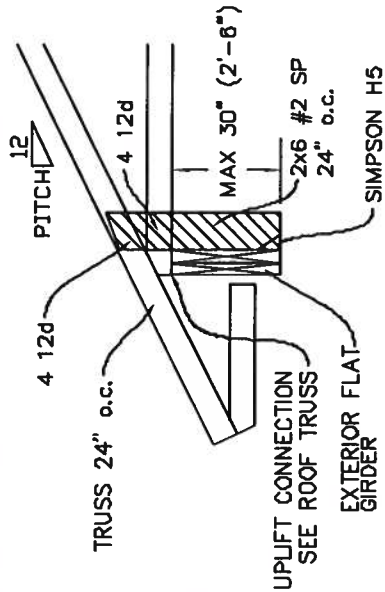
MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

No. 34686
STATE OF FLORIDA

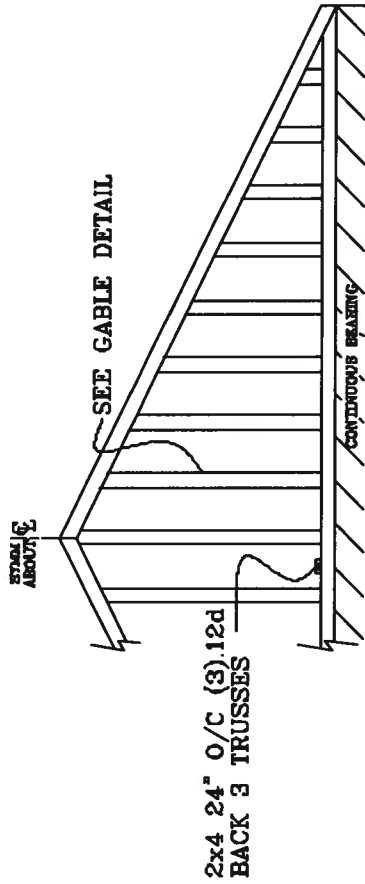
TYPICAL ATTIC TRUSS BRACING



TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS

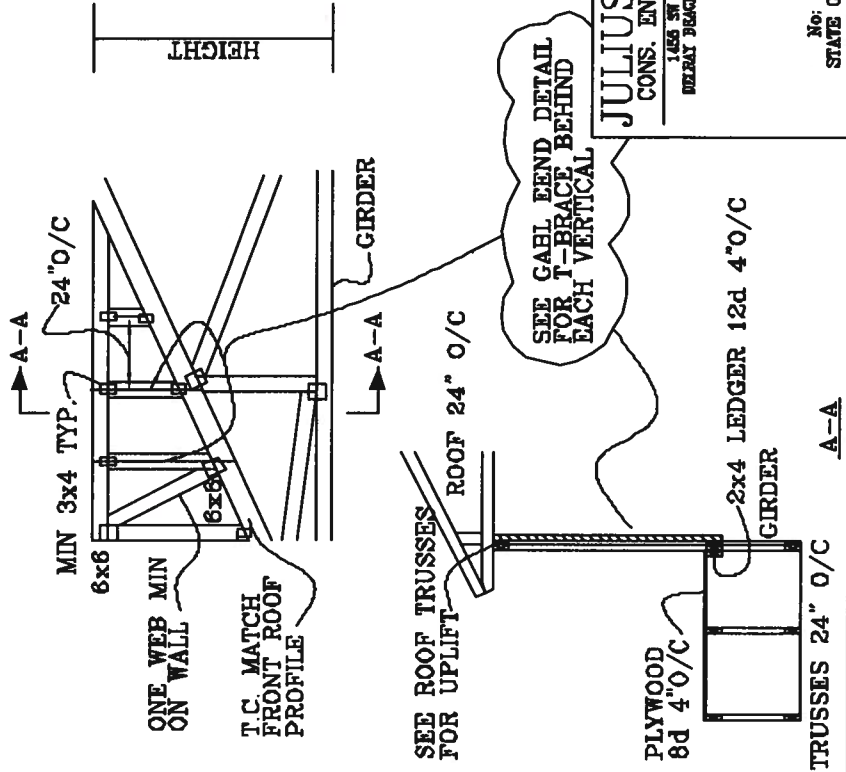


GABLE END TRUSS DETAIL



ADD ON BC BRACING ON GABLE TRUSS. ORDER PERMANENT BRACING DESIGNS BY ARCHITECT OR FOR

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 45th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

PIGGYBACK DETAIL

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

110 MPH WIND, 30' MEAN HGT, ASCE 7-93, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SEC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

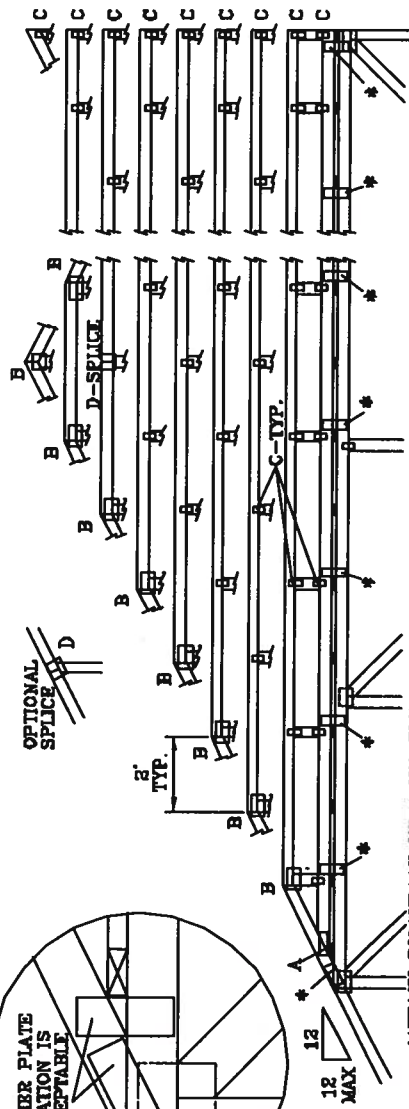
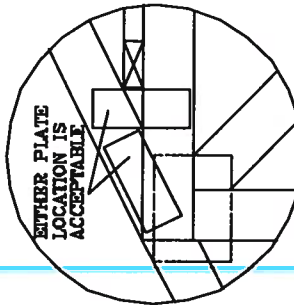
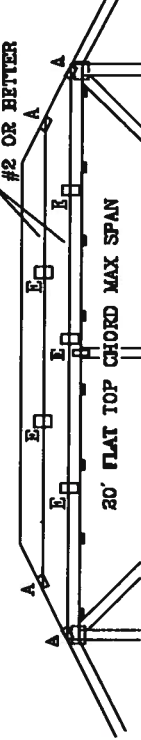
WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

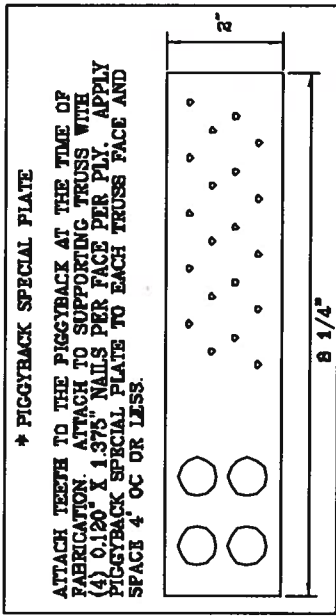
ATTACH TRULOX PLATES WITH (6) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.6X4	2.6X4	3X6
B	4X6	6X6	6X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	6X5	6X5	5X6
E	4X6 OR 5X6 TRULOX AT 4' OC, ROTATED VERTICALLY			



*ATTACH PIGGYBACK WITH 5X6 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

WEB LENGTH	WEB BRACING CHART
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 6d 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 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 634,018 634,017 & 647,045

BEARINGS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 2011 IBC BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS AND ROOFING INSTITUTE, 1000 W. WASHINGTON, VA 23799 AND IBC CODES, TRUSS COUNCIL OF AMERICA, 1500 CHERRY BLVD, WASHINGTON, VA 22202 FOR MORE INFORMATION.
 THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIBB CEILING.

JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1458 SW 25th AVENUE
 DEERBAY RIDGE, FL 30444-2411

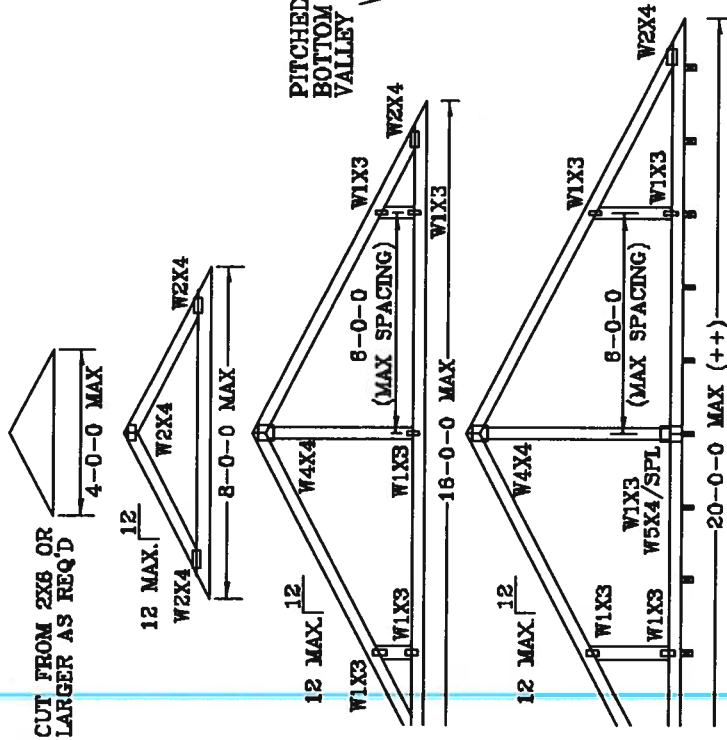
MAX LOADING	REF PIGGYBACK
55 PSF AT	DATE 11/26/03
1.33 DUR. FAC.	DRWCMITEK STD PIGGY
50 PSF AT	-ENG JL
47 PSF AT	
1.15 DUR. FAC.	
SPACING 24.0"	

No: 94889
 STATE OF FLORIDA

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
 BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
 WEBS 2X4 SP #3 OR BETTER.

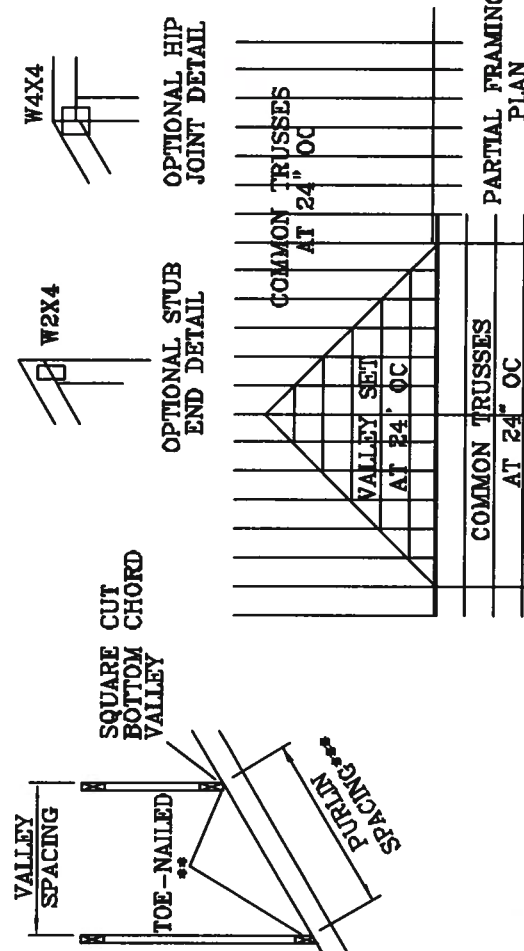
- * 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- ** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
 SBC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR
 ASCE 7-98 130 MPH WIND 15' MEAN HEIGHT, ENCLOSED
 BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=6 PSF.



CUT FROM 2X8 OR LARGER AS REQ'D

*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.
 ** LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



THIS DRAWING REPLACES DRAWING A105

TC LL	20	PSF	REF	VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/08
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DUR.FAC.	1.25	1.25		
SPACING	24"			

JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1455 SW 4th AVENUE
 DELRAY BEACH, FL 33444-2014

No. 94869
 STATE OF FLORIDA

REVISIONS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE DESIGNER HAS PROVIDED THE BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS MANUFACTURE. THE TRUSS MANUFACTURER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

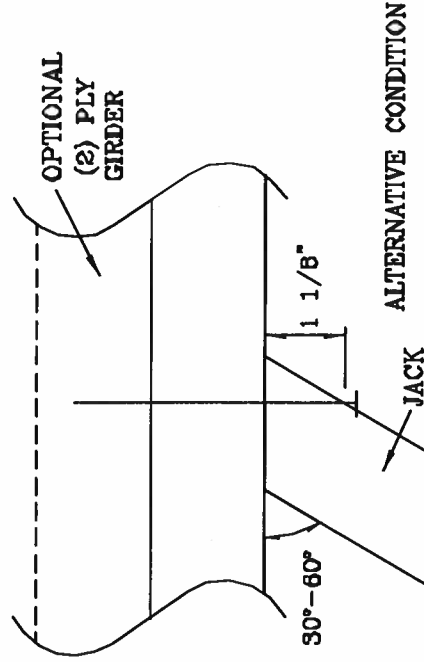
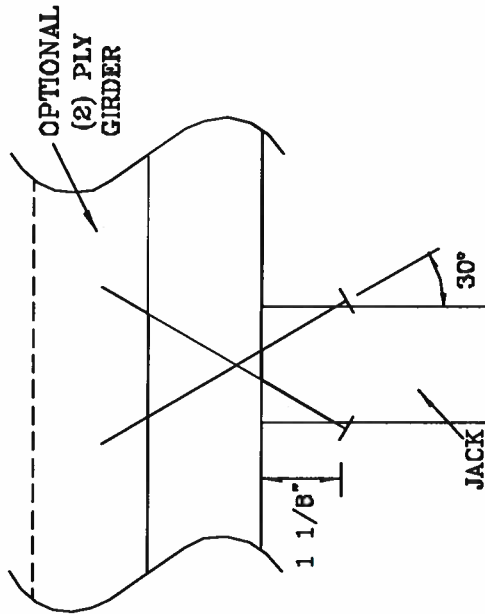
PER ANSI/AP&PA NDS-1997 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING; EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM LATERAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



THIS DRAWING REPLACES DRAWING 784040

<p style="text-align: center;">JULIUS LEE'S CONS. ENGINEERS P.A. 1400 BY 4TH AVENUE MELBOURNE BEACH, FL 32944-1101</p> <p style="text-align: right;">No: 34869 STATE OF FLORIDA</p>	PSF	REF	TOE-NAIL
	PSF	DATE	11/26/09
	PSF	DRWG	CNTONAIL103
	PSF	-ENG	JL
TOT. LD.		PSF	
DUR. FAC.		1.00	
SPACING			

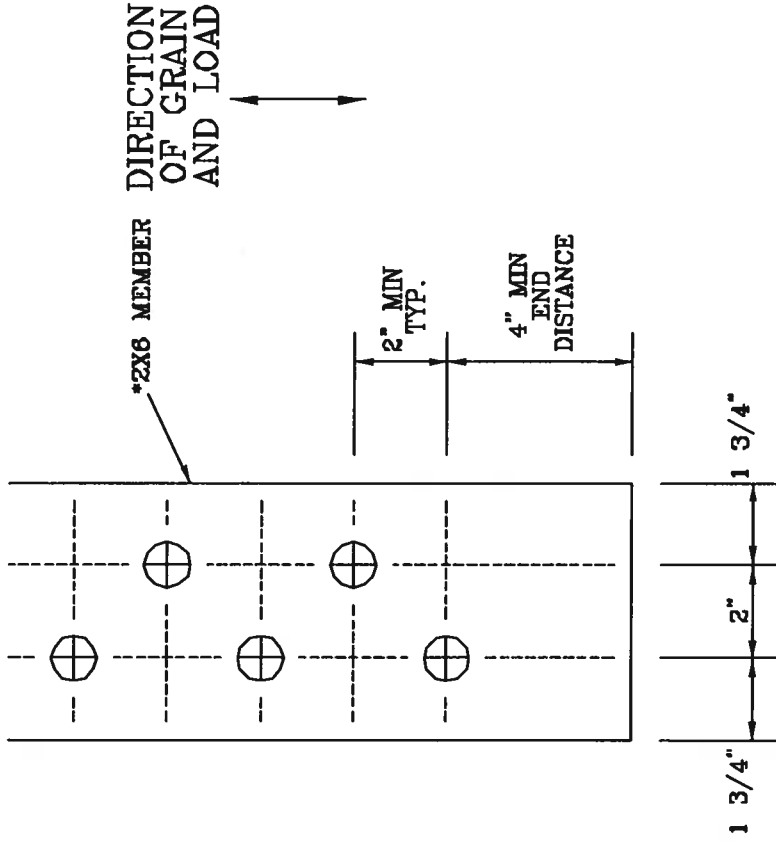
REMARKS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SUPPORTING, DETAILING AND BRACING. REFER TO BSI'S 1-08 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CEILING PLATE INSTITUTE, 588 ZIMMERLID DR., SUITE 200, HAZLETON, VI 30719 AND VITA (VOID TRUSS) MANUAL OF ARIZONA, 6800 ENTERPRISE LN, WAGNER, VI 30719 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 ROOF DECKING.

1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.
 BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A828.016

JULIUS LEE'S CONS. ENGINEERS P.A. 1400 BT 403 AVENUE DEERBET BEACH, FL 33444-2101	TC LL	PSF	REF	BOLT SPACING
	TC DL	PSF	DATE	11/26/03
	BC DL	PSF	DRWG	CNBOLTSPI103
	BC LL	PSF		-ENG JL
TOT. LD.		PSF		
DUR. FAC.				
SPACING				
No: 34899 STATE OF FLORIDA				

VARIOUS TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 2001 I-10 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 500 DUNFORD DR., SUITE 200, MAUNSON, VA 28759 AND VITA CYCLO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MAUNSON, VA 28759 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 GRID CEILING.

TRULOX CONNECTION DETAIL

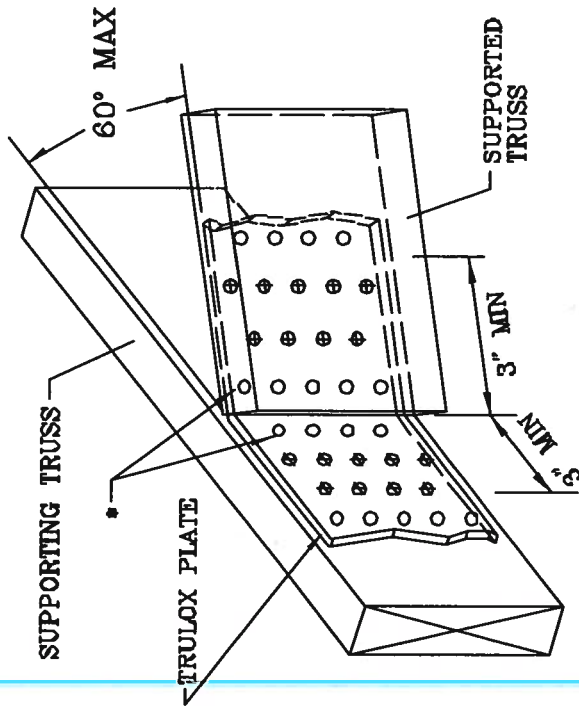
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

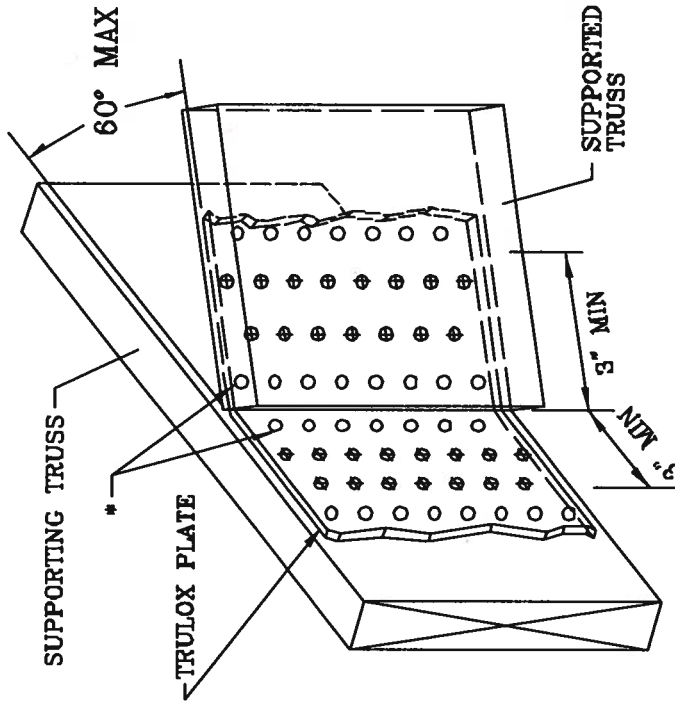
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
6X6	15	990#



MINIMUM 5X6 TRULOX PLATE

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,844 1,152,217 1,152,017 1,159,154 & 1,151,524

JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 87th AVE. AUSTIN
DUBLAT BRANCH, FL 32844-0888

No: 34889
STATE OF FLORIDA

REF TRULOX

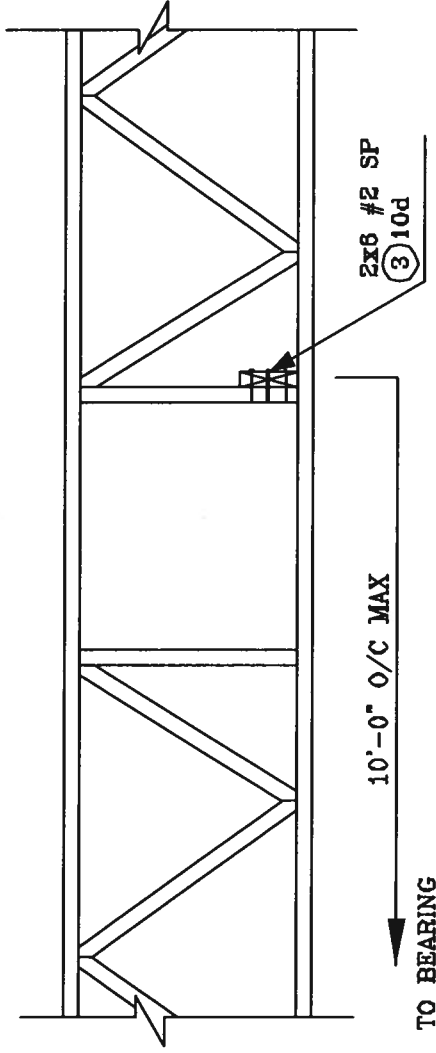
DATE 11/26/09

DRWG CNTRULOX1103

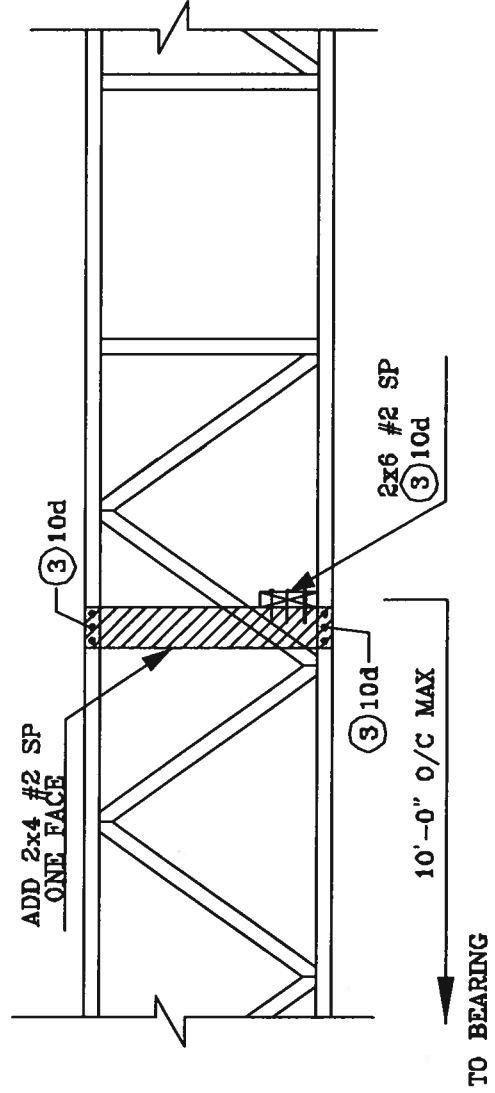
-ENG JL

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND PLACING (REFER TO BCJ 1-10 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE) 10000 W. STATE HIGHWAY 26, 28779, AND AJOA (JOINT TRUSS COUNCIL OF AMERICA) 6380 DUNBAR BLVD, DUNBAR, VA 22829). ALL TRUSSES MUST BE PROPERLY INSTALLED IN THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING

**STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS**

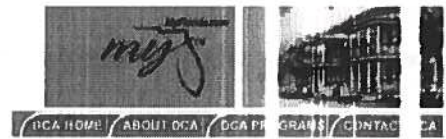


**ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP**



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 43D AVENUE
DELRAY BEACH, FL 33444-2161

No: 34969
STATE OF FLORIDA



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- ▶ HOUSING & COMMUNITY DEVELOPMENT
- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY

FL #	FL175-R2						
Application Type	Revision						
Code Version	2004						
Application Status	Approved						
Comments	<input type="checkbox"/>						
Archived	<input type="checkbox"/>						
Product Manufacturer	Firestone Metal Products, LLC.						
Address/Phone/Email	1950 NW 18th Street Pompano Beach, FL 33069 (954) 968-3100 ext 26 sal@unaclad.com						
Authorized Signature	Sal Delfino sal@unaclad.com						
Technical Representative	Sal Delfino						
Address/Phone/Email	1950 NW 18th Street Pompano Beach, FL 33071 (954) 968-3100 sal@unaclad.com						
Quality Assurance Representative	Sal Delfino						
Address/Phone/Email	1950 NW 18th Street Pompano Beach, FL 33069 (954) 968-3100 sal@unaclad.com						
Category	Roofing						
Subcategory	Metal Roofing						
Compliance Method	Certification Mark or Listing						
Certification Agency	Miami-Dade BCCO - CER						
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>TAS-100</td> <td>1995</td> </tr> <tr> <td>TAS-125</td> <td>2003</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	TAS-100	1995	TAS-125	2003
<u>Standard</u>	<u>Year</u>						
TAS-100	1995						
TAS-125	2003						
Equivalence of Product Standards Certified By							
Product Approval Method	Method 1 Option A						
Date Submitted	07/28/2005						
Date Validated	07/28/2005						

Date Pending FBC Approval 08/02/2005
 Date Approved 08/24/2005

Summary of Products

FL #	Model, Number or Name	Description
175.1	UC-11	Integral Snap-Seam Metal Roofing
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Acceptable for use in HVHZ.		Certification Agency Certificate Installation Instructions Verified By:
175.2	UC-3	Standing Seam Metal Roofing
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Acceptable for use in HVHZ.		Certification Agency Certificate Installation Instructions Verified By:
175.3	UC-4	"No-Clip" Metal Roofing
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Acceptable for use in HVHZ.		Certification Agency Certificate Installation Instructions Verified By:
175.4	UC-9	Snap-Seam Metal Roofing
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Acceptable for use in HVHZ.		Certification Agency Certificate Installation Instructions Verified By:

[Back](#) [Next](#)

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
 2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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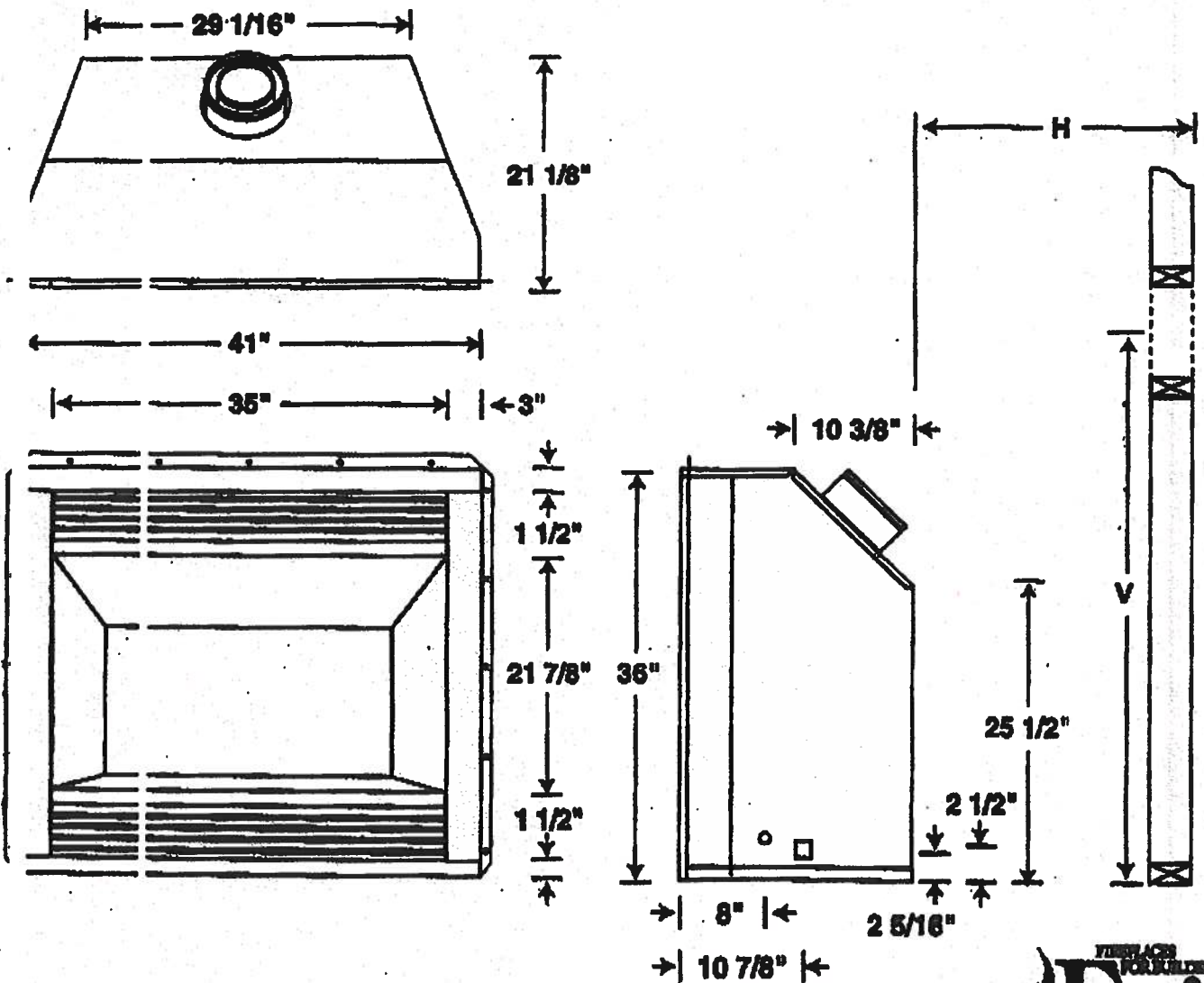
Product Approval Accepts:





36" Direct Vent Fireplace
(5" - 8" Vent Pipe)

Typ. Ground Floor Installation (1-45° Elbow)			Installations requiring a 45° and 90° Elbow		
Horiz. Run (H)	Min. Height (V)	Required Vent Pipe	Horiz. Run (H)	Min. Height (V)	Required Vent Pipe
17" max.	36"	12" max.	30" max.	47 1/4"	none
			48" max.	57 1/4"	12"
			60" max.	69 1/4"	24"
			84" max.	81 1/4"	36"
			144" max.	93 1/4"	48"



THE RENAISSANCE SERIES

Victorian

36" AND 42" DIRECT VENT GAS FIREPLACES
Model V36 and V42

Timeless Beauty— And The Latest Technologies

MI's Victorian direct vent gas fireplaces are the ideal match for today's energy-efficient homes. The Victorian is the centerpiece of our exciting new Renaissance Series, which offers a consistent look, sizing, and construction across the entire line... plus beautiful new features homeowners will love!

Homeowner Highlights:

Distinctive looks—Features random flame pattern and realistic glowing ember bed burner... plus exquisite new split oak ceramic fiber logs.

Operation and maintenance are a breeze—Operates from wall switch or remote control. Hinged glass door swings open for easy maintenance and never needs adjustment.

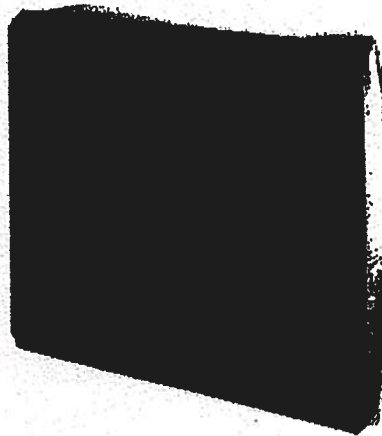
Attractive accessories—You have an array of eye-catching extras, including brass or platinum louvers and trim, realistic textured brick liner kits, and much more.

Builder Benefits:

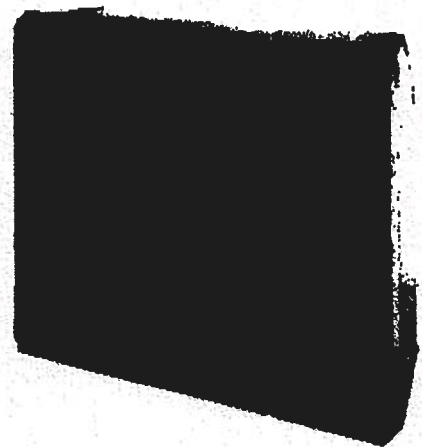
Secure, straight installation—We've added full-length nailing flanges, and drywall stops.

Venting options—Our 45° slant back design lets you choose between horizontal and vertical venting for painless installation. Your choice of hard or flexible venting.

More standard features—Flex gas connector, shut-off valve and pre-wired "J" box are all standard.



V36N features black rolled louvers.



V42NH features black rolled louvers and textured herringbone brick-lined interior.

Victorian Direct Vent Fireplace Product Offering Summary

36" & 42" Direct Vent Fireplace Models Available With The Following:

- Millivolt Or Electronic Ignition
- Natural Or Propane Fuel
- Black, Standard Brick, And Herringbone Pattern Refractory Brick Interiors
- All fireplaces use 3" - 8" pipe. 36" models @ 32,000 Btu/42" models @ 33,000 Btu.



Victorian models offer random, tiered flame patterns and gorgeous glowing ember bed burners.

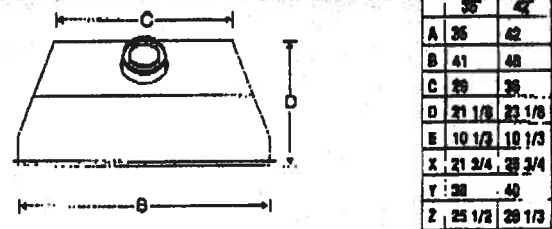


Hinged tool-less entry door swings open for easy maintenance.

Accessory Offering Summary

- Smooth Face, Stamped Steel and Rolled Black Louver Panels
- Louver Trim (Brushed Brass & Platinum)
- Perimeter Trim Kits (Black, Brushed Brass & Platinum)
- Standard & Herringbone Refractory Brick Liners
- Remote Control Kits
- Fan Kits
- Deflection Hoods

Dimensions



DESA International
www.desaint.com
For more information, call (800) 888-2050

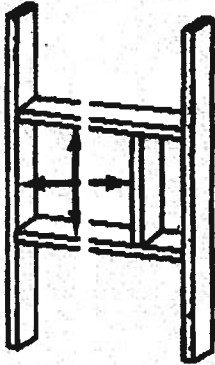


Victorian

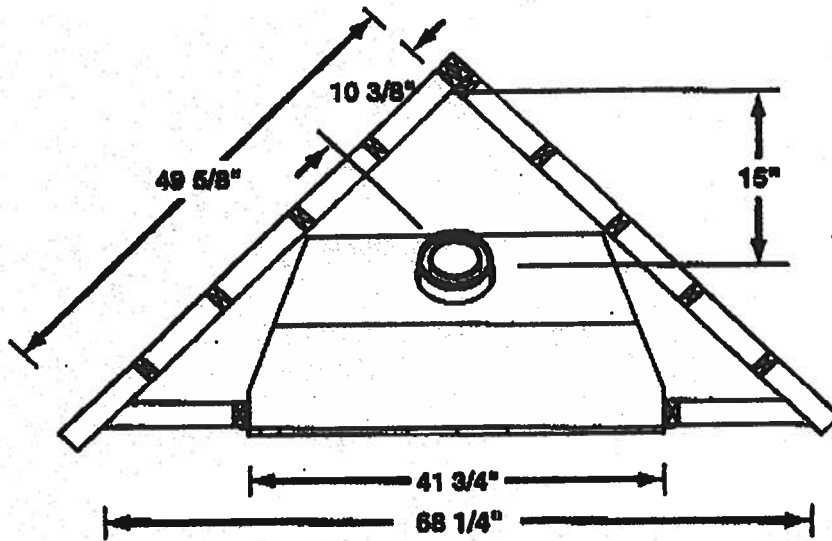
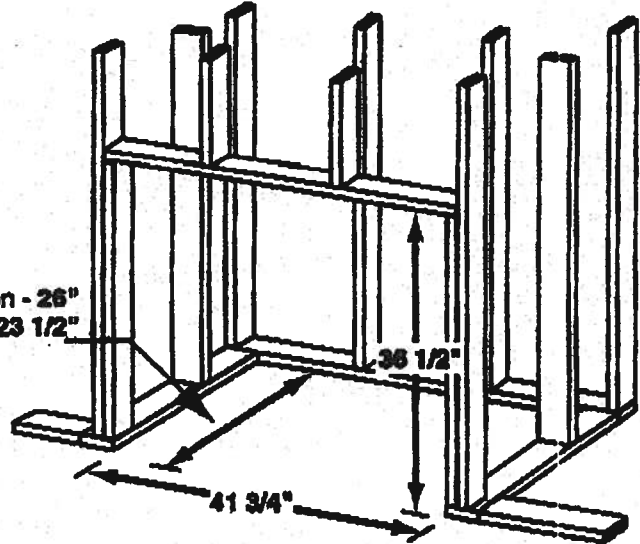
6" Direct Vent Fireplace

Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)



Vertical Termination - 26"
Horizontal Termination - 23 1/2"



NOTE:

Bit-in Features Such as Mantels, Bookshelves, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information



http://www.BarrickMining.com/contacts_eng.asp



Organization Product Manufacturer
Organization Name: General American Door - Product Manufacturer



Approved Status: (All)

Cancel

Search

Result List for Organizations

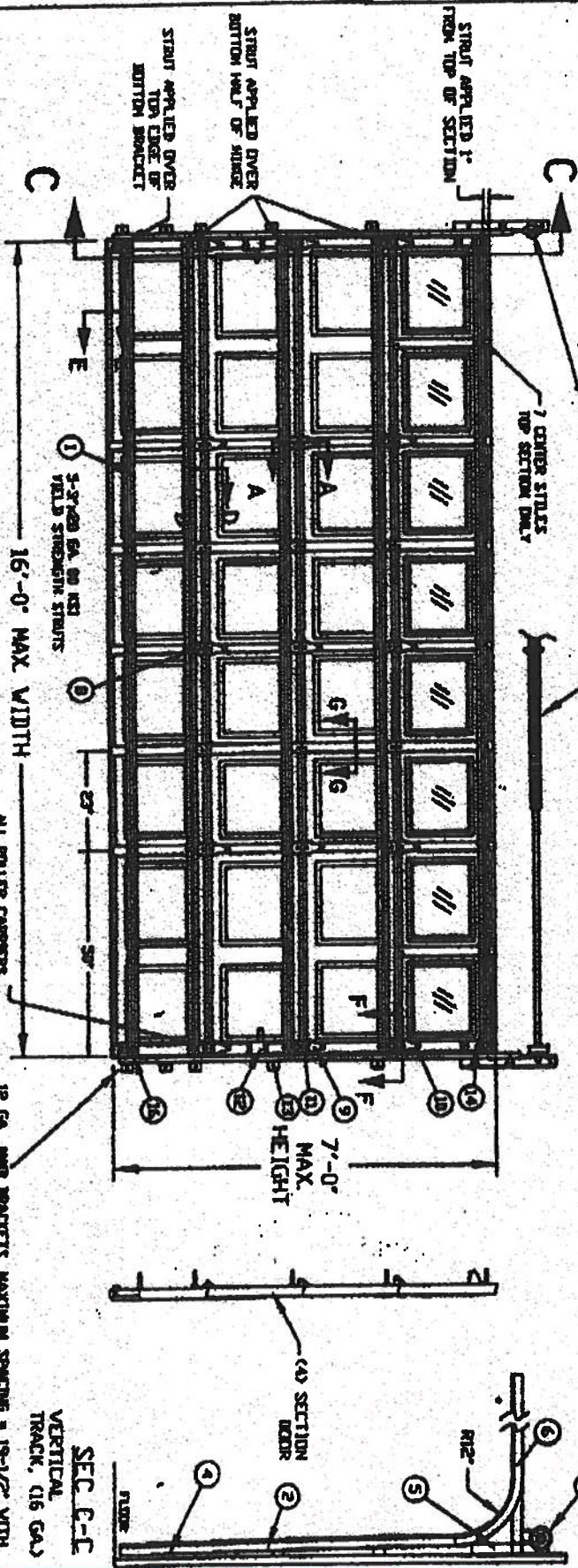
Displaying 1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American	Madison	James Campbell	608-591000	Product Manufacturer	06/01/2009	Approved

Org Code: PDM System ID: 3985

Displaying 1 of 1

- NOTES:**
1. SECTION REPORT OF 2007 AND 1957 ARE APPLICABLE AND MAY BE USED IN ANY COMPARISON TO APPLICABLE VARIOUS OTHER SECTIONS.
 2. SECTION REPORT OF 2007 AND 1957 ARE APPLICABLE AND MAY BE USED IN ANY COMPARISON TO APPLICABLE VARIOUS OTHER SECTIONS.
 3. SECTION REPORT OF 2007 AND 1957 ARE APPLICABLE AND MAY BE USED IN ANY COMPARISON TO APPLICABLE VARIOUS OTHER SECTIONS.
 4. SECTION REPORT OF 2007 AND 1957 ARE APPLICABLE AND MAY BE USED IN ANY COMPARISON TO APPLICABLE VARIOUS OTHER SECTIONS.
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 10. SECTION REPORT OF 2007 AND 1957 ARE APPLICABLE AND MAY BE USED IN ANY COMPARISON TO APPLICABLE VARIOUS OTHER SECTIONS.



INSIDE ELEVATION

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LARGEST BRACKET ATTACH 3" FROM FLUSH, 2ND BRACKET NEAR THE HORIZONTAL, 5" OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

SEC E-C

VERTICAL TRACK, (16 GA.)

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF

GENERAL AMERICAN IRON COMPANY
3020 BASSILL ROAD
MONTICEMERY, IL 60053



DATE: 10-20-00

BY: 1 7" HAW. BASSILL PANEL STEEL DOOR - VERTICAL AND PER

TEST REPORT: V13220-1

PAGE 1 OF 2

TEST REPORT: V13220-1

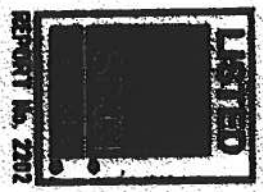
TEST REPORT: V13220-1

TEST REPORT: V13220-1

TEST REPORT: V13220-1

TEST REPORTS IN FILE [V13220-1] SERIES:

MAXIMUM WIND VELOCITY	MAXIMUM WIND PRESSURE	WIND DIRECTION	WIND SPEED	WIND PERIOD	WIND DURATION	WIND PERIOD	WIND DURATION
16'	7'	23°	3'	5'	2 IN.		



The seal on this drawing only covers the product and dimensions and configurations for the product as described herein. The seal on this drawing only covers the product and dimensions and configurations for the product as described herein.

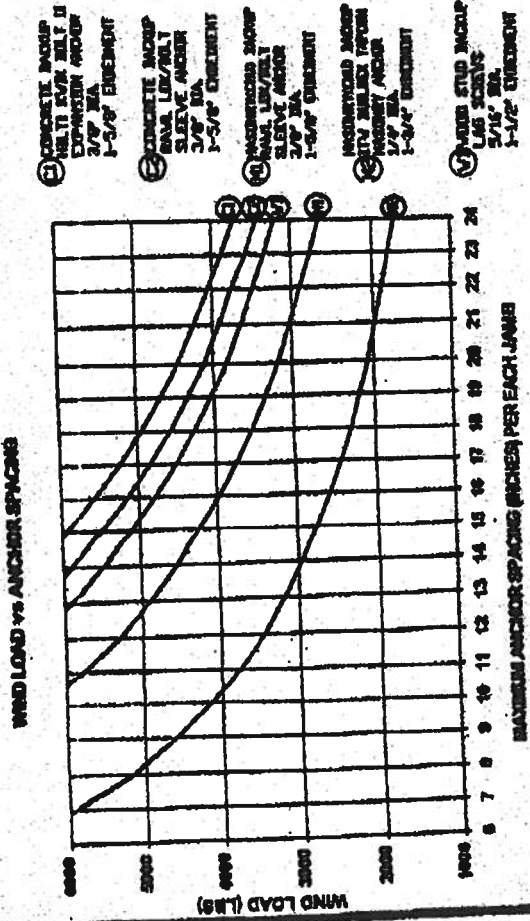
2x6 JAMB TO SUPPORT STRUCTURE ATTACHMENT
 2x6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE VOID JAMB SHALL BE ANCHORED TO BUILDING VOID FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

- NOTES:**
- 1) ALL DOOR OPENING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" FRISTS.
 - 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SDOCI STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTB 10, CURRENT EDITION.
 - 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
 - 4) VOID FRAME BUILDING STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2x6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
 - 5) REINFORCED CMU OR CONCRETE 2x6 VOID JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT CMU WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2000 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
 - 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
 - 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS COND SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"
 - 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2x6 WALL STUDS.
 - 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
 - 10) THE VOID LOAD VS ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 16' X 8' AT A MINIMUM 42 PSF DESIGN VOID LOAD.
 - 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2x6 VOID JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2x6 VOID JAMB ANCHORS, AN ADDITIONAL 2x6 VOID JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO VOID JAMB ANCHORS.

COLUMBIA DOOR COMPANY
 2800 BASELINE ROAD
 MONTGOMERY, IL 62308
 PHONE: 618-338-7700
 FAX: 618-338-7700
 E-MAIL: SALES@CDOOR.COM
 WWW: WWW.CDOOR.COM

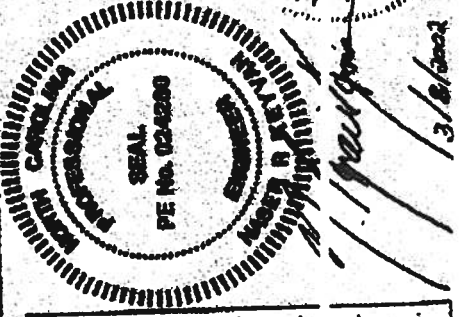
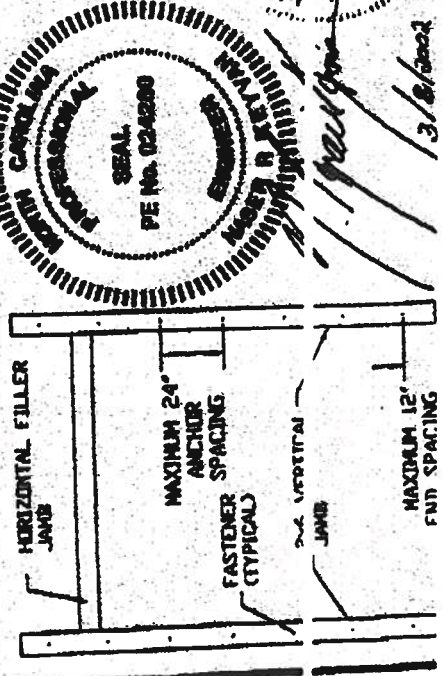
DESIGNED BY: []
 CHECKED BY: []
 DATE: []

JAMB TO STRUCTURE ATTACHMENT
 FOR VOID LOADED GARAGE DOORS



DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = VOID LOAD (LBS)

EXAMPLE
 30 LBS X 0.6 FT WIDE X 8 FT HIGH = 3040 LBS
 ① USE 16" SPACING
 ② USE 22" SPACING
 ③ USE 21" SPACING
 ④ USE 19" SPACING
 SEE NOTE #1 FOR ANCHORS REINFORCED CMU VOID JAMB ANCHORS



FLORIDA DEPARTMENT OF Community Affairs

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Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>

Product Manufacturer
Address/Phone/Email
MI Windows and Doors
650 W Market St
Gratz, PA 17030
(717) 365-3300 ext 2101
surich@miwd.com

Authorized Signature
Steven Urlich
surich@miwd.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Window



(Administrator / Operations Administrator)



AAMA CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Hil Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION		RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA ANNOVA 101/L.S. 2-87 H-RSP-30-82		CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
COMPANY AND PLANT LOCATION				FRAME	SASH	
MI Windows & Doors, Inc. (Oldemar, FL) MI Windows & Doors, Inc. (Smyrna, TN)		MTL-8 MTL-9	105/185 SH (F+) (AL) (ODD) (OG) (ASTM)	2'0" x 5'2"	2'10" x 2'7"	

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 01-50390.02

Date of Report: June 14, 2004

**NOTE: PLEASE REVIEW,
AND ADVISE ALL IMMEDIATELY
IF DATA / TESTS SHOWN, NEEDS
CORRECTION.**

Date: At July 1, 2005

cc: AAMA
JGS/dt
ACP-04 (Rev. 5/03)

Validated for Certification:

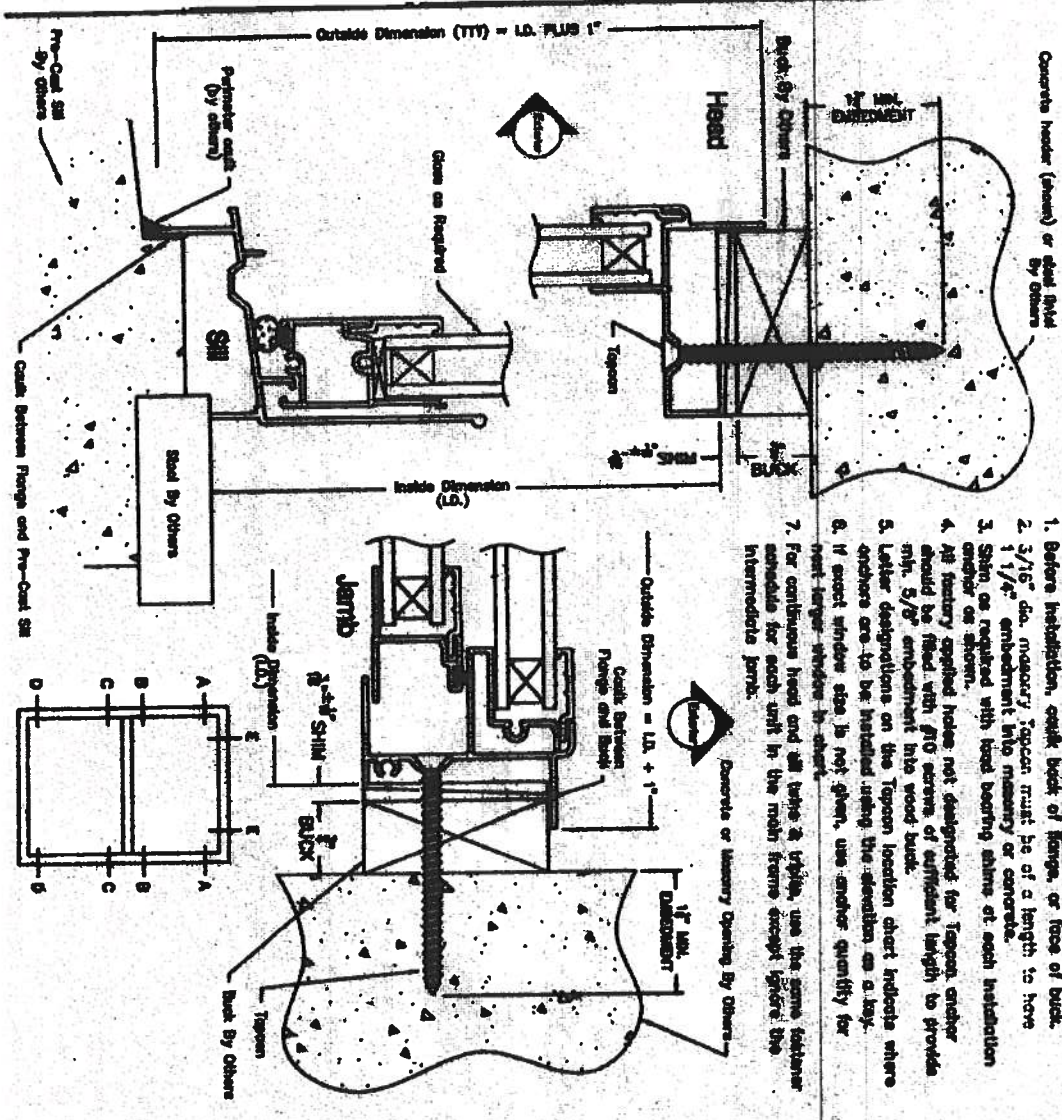
John B. Smith
Associated Laboratories, Inc.

Authorized for Certification:

Dean Lewis
American Architectural Manufacturers Association

ONE BY (3/4) BLOCKS (SHOWN)

1. Before installation, seek back of Kerf, or face of back.
2. 3/16" dia. masonry Tapcon must be of a length to have 1 1/2" embedment into masonry or concrete.
3. Shim as required with lead bearing shims of each installation either on shims.
4. All factory supplied holes not designated for Topcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood back.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the dimension as a key.
6. If exact window size is not given, use greater quantity for next larger window in chart.
7. For continuous head and sill units, use the same fastener schedule for each unit in the main frame except ignore the intermediate joints.



TWO BY (1 1/2) BLOCKS

TWO BY blocks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for "one by" blocks except use #10 screws of sufficient length for 1 1/2" minimum embedment into back.

DATE	WINDOW SIZE	TAPCON LOCATION CHART			
		QT. TO ORDER	SMALL TO ORDER	DEPT. 1 TO ORDER	DEPT. 2 TO ORDER
12	18 1/2 x 23 1/2	4	A	B	C
13	18 1/2 x 23 1/2	4	A	B	C
14	18 1/2 x 23 1/2	4	A	B	C
15	18 1/2 x 23 1/2	4	A	B	C
16	18 1/2 x 23 1/2	4	A	B	C
17	18 1/2 x 23 1/2	4	A	B	C
18	20 1/2 x 25 1/2	4	A	B	C
19	20 1/2 x 25 1/2	4	A	B	C
20	20 1/2 x 25 1/2	4	A	B	C
21	20 1/2 x 25 1/2	4	A	B	C
22	20 1/2 x 25 1/2	4	A	B	C
23	20 1/2 x 25 1/2	4	A	B	C
24	20 1/2 x 25 1/2	4	A	B	C
25	20 1/2 x 25 1/2	4	A	B	C
26	20 1/2 x 25 1/2	4	A	B	C
27	20 1/2 x 25 1/2	4	A	B	C
28	20 1/2 x 25 1/2	4	A	B	C
29	20 1/2 x 25 1/2	4	A	B	C
30	20 1/2 x 25 1/2	4	A	B	C
31	20 1/2 x 25 1/2	4	A	B	C
32	20 1/2 x 25 1/2	4	A	B	C
33	20 1/2 x 25 1/2	4	A	B	C
34	20 1/2 x 25 1/2	4	A	B	C
35	20 1/2 x 25 1/2	4	A	B	C
36	20 1/2 x 25 1/2	4	A	B	C
37	20 1/2 x 25 1/2	4	A	B	C
38	20 1/2 x 25 1/2	4	A	B	C
39	20 1/2 x 25 1/2	4	A	B	C
40	20 1/2 x 25 1/2	4	A	B	C
41	20 1/2 x 25 1/2	4	A	B	C
42	20 1/2 x 25 1/2	4	A	B	C
43	20 1/2 x 25 1/2	4	A	B	C
44	20 1/2 x 25 1/2	4	A	B	C
45	20 1/2 x 25 1/2	4	A	B	C
46	20 1/2 x 25 1/2	4	A	B	C
47	20 1/2 x 25 1/2	4	A	B	C
48	20 1/2 x 25 1/2	4	A	B	C
49	20 1/2 x 25 1/2	4	A	B	C
50	20 1/2 x 25 1/2	4	A	B	C
51	20 1/2 x 25 1/2	4	A	B	C
52	20 1/2 x 25 1/2	4	A	B	C
53	20 1/2 x 25 1/2	4	A	B	C
54	20 1/2 x 25 1/2	4	A	B	C
55	20 1/2 x 25 1/2	4	A	B	C
56	20 1/2 x 25 1/2	4	A	B	C
57	20 1/2 x 25 1/2	4	A	B	C
58	20 1/2 x 25 1/2	4	A	B	C
59	20 1/2 x 25 1/2	4	A	B	C
60	20 1/2 x 25 1/2	4	A	B	C
61	20 1/2 x 25 1/2	4	A	B	C
62	20 1/2 x 25 1/2	4	A	B	C
63	20 1/2 x 25 1/2	4	A	B	C
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65	20 1/2 x 25 1/2	4	A	B	C
66	20 1/2 x 25 1/2	4	A	B	C
67	20 1/2 x 25 1/2	4	A	B	C
68	20 1/2 x 25 1/2	4	A	B	C
69	20 1/2 x 25 1/2	4	A	B	C
70	20 1/2 x 25 1/2	4	A	B	C
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72	20 1/2 x 25 1/2	4	A	B	C
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74	20 1/2 x 25 1/2	4	A	B	C
75	20 1/2 x 25 1/2	4	A	B	C
76	20 1/2 x 25 1/2	4	A	B	C
77	20 1/2 x 25 1/2	4	A	B	C
78	20 1/2 x 25 1/2	4	A	B	C
79	20 1/2 x 25 1/2	4	A	B	C
80	20 1/2 x 25 1/2	4	A	B	C
81	20 1/2 x 25 1/2	4	A	B	C
82	20 1/2 x 25 1/2	4	A	B	C
83	20 1/2 x 25 1/2	4	A	B	C
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85	20 1/2 x 25 1/2	4	A	B	C
86	20 1/2 x 25 1/2	4	A	B	C
87	20 1/2 x 25 1/2	4	A	B	C
88	20 1/2 x 25 1/2	4	A	B	C
89	20 1/2 x 25 1/2	4	A	B	C
90	20 1/2 x 25 1/2	4	A	B	C
91	20 1/2 x 25 1/2	4	A	B	C
92	20 1/2 x 25 1/2	4	A	B	C
93	20 1/2 x 25 1/2	4	A	B	C
94	20 1/2 x 25 1/2	4	A	B	C
95	20 1/2 x 25 1/2	4	A	B	C
96	20 1/2 x 25 1/2	4	A	B	C
97	20 1/2 x 25 1/2	4	A	B	C
98	20 1/2 x 25 1/2	4	A	B	C
99	20 1/2 x 25 1/2	4	A	B	C
100	20 1/2 x 25 1/2	4	A	B	C

*TAPCON TYPE WASHED MASONRY SCREWS INCLUDE TAPCON, RAIN, & SURFCON

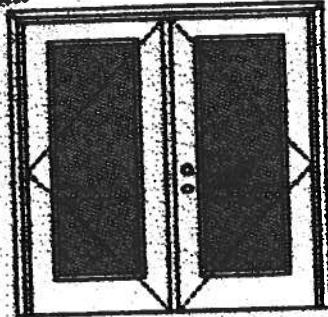
A	MINIMUM 1/2" EMBEDMENT INTO MASONRY
B	MINIMUM 1/2" EMBEDMENT INTO MASONRY
C	MINIMUM 1/2" EMBEDMENT INTO MASONRY
D	MINIMUM 1/2" EMBEDMENT INTO MASONRY
E	MINIMUM 1/2" EMBEDMENT INTO MASONRY

MI HOME PRODUCTS
 GRATZ, PA
 180/2100 SHIRT HOLE FRAME FRAME
 INSTALLATION DETAILS & FASTENER SCHEDULE
 DNL 09/19/04
 N.I.S. MIHPC0089
 1 OF 1

XX
 Glazed C Stewing Unit

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
 Maximum unit size - 5'0" x 6'6"

Design Pressure
+40.5/-40.5
 (Limited water unless specific threshold design is used.)

Large Glass 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 criteria required.

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GL SS:



1/2 GL SS:



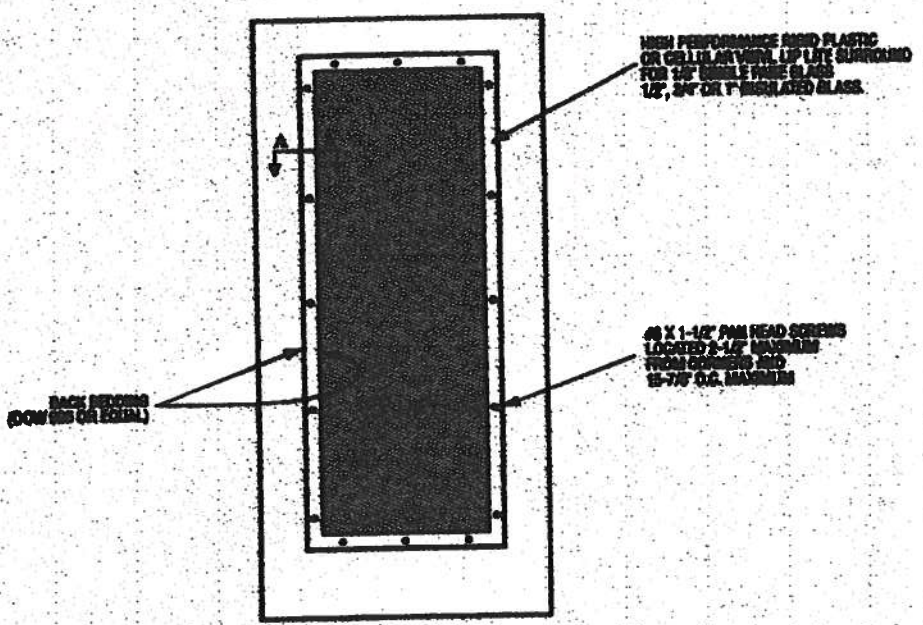
*This glass unit may also be used in the following door styles: 5-panel; 6-panel with accent; Eyebrow 5-panel; Eyebrow 6-panel with accent.

Johnson
 Window Systems

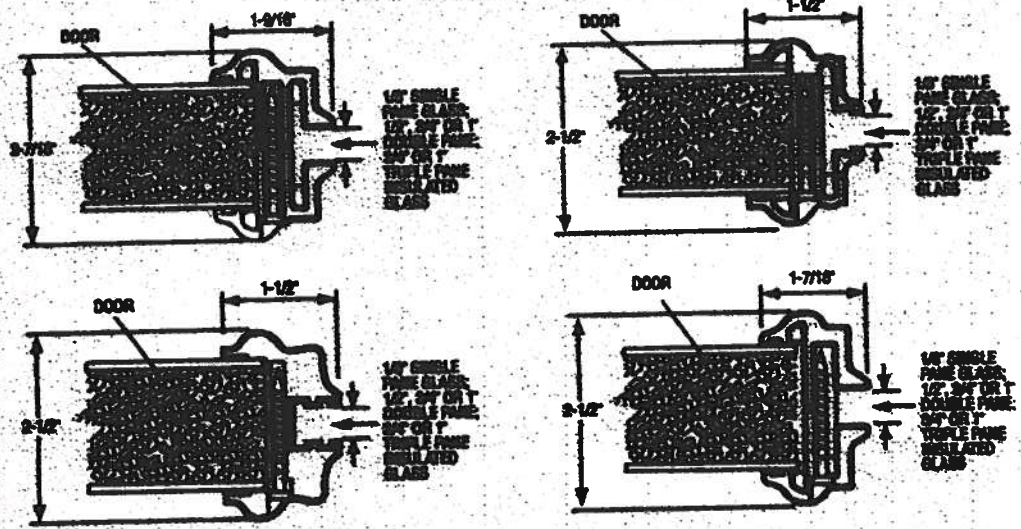
March 2, 2000
 Current
 and not
 subject to change without notice.



**GLASS INSERT IN DOOR
OR SIDELITE PANEL**



**SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND**



March 21 2002
Our goal is proper product placement when you call.
Design our product and adjust to change without cost.


Exclusively from

Masonite International Corporation

XX

Glazed (swing Unit)

WOOD-EDGE STEEL DOORS

APPROX 8 DOOR STYLES: 3/4 GLAZED:



424 Series



425 Series



426 Series

FULL GLASS:



120 Series



124, 125, 122 Series



128 Series



140 Series



200 Series

CERTIFYING TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both sides 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. Slab glazed with insulated glass mounted in a rigid plastic lip into surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

FRDOO T 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 2004 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Baltezor

State of Florida, Professional Engineer
Kurt Baltezor, P.E. - License Number 68633

Johnson
The Professionals

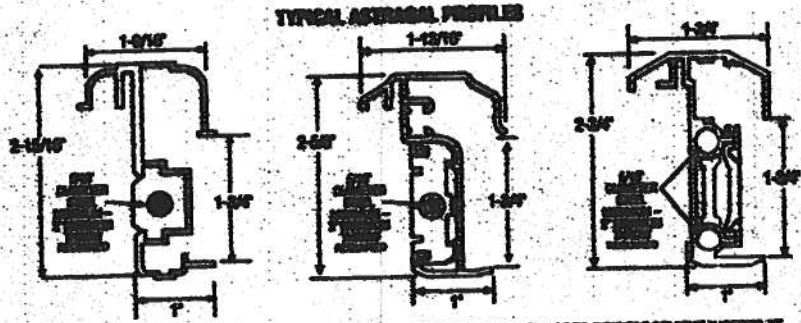
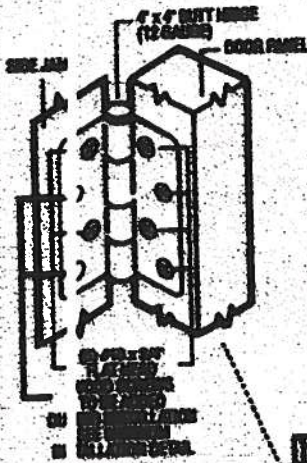
March 21, 2008
Our work is a direct result of your investment in our qualifications, design and product.
Thank you for your business.

Exclusively from
FREDDERELLA
Premium Quality Doors
Masonite
Masonite International Corporation

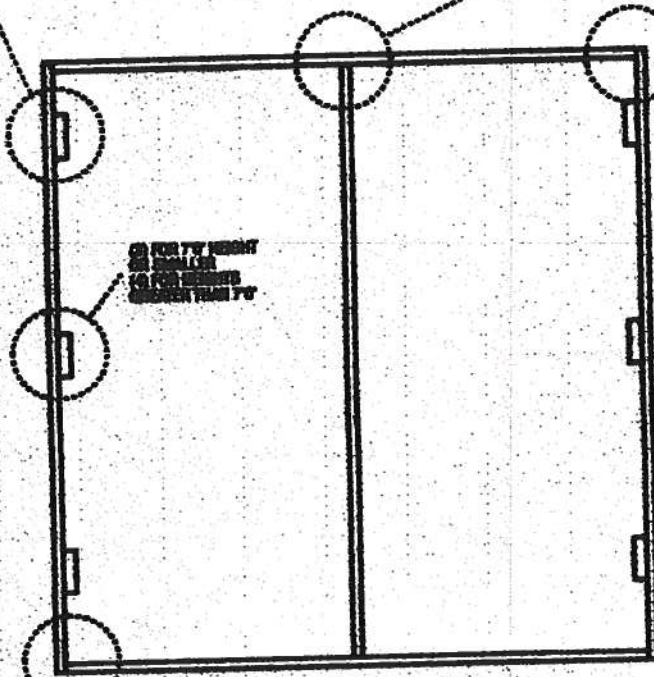
XX
Unit

OUTSWING UNITS WITH DOUBLE DOOR

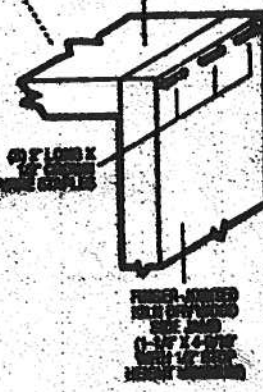
TYPICAL H HIDE ATTACHMENT



ALUMINUM EXTRUDED ASTRAGAL 2.0\"/>

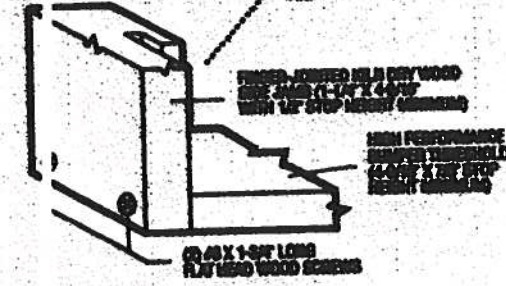


TYPICAL HEADER & SIDE JAMB ATTACHMENT



2\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



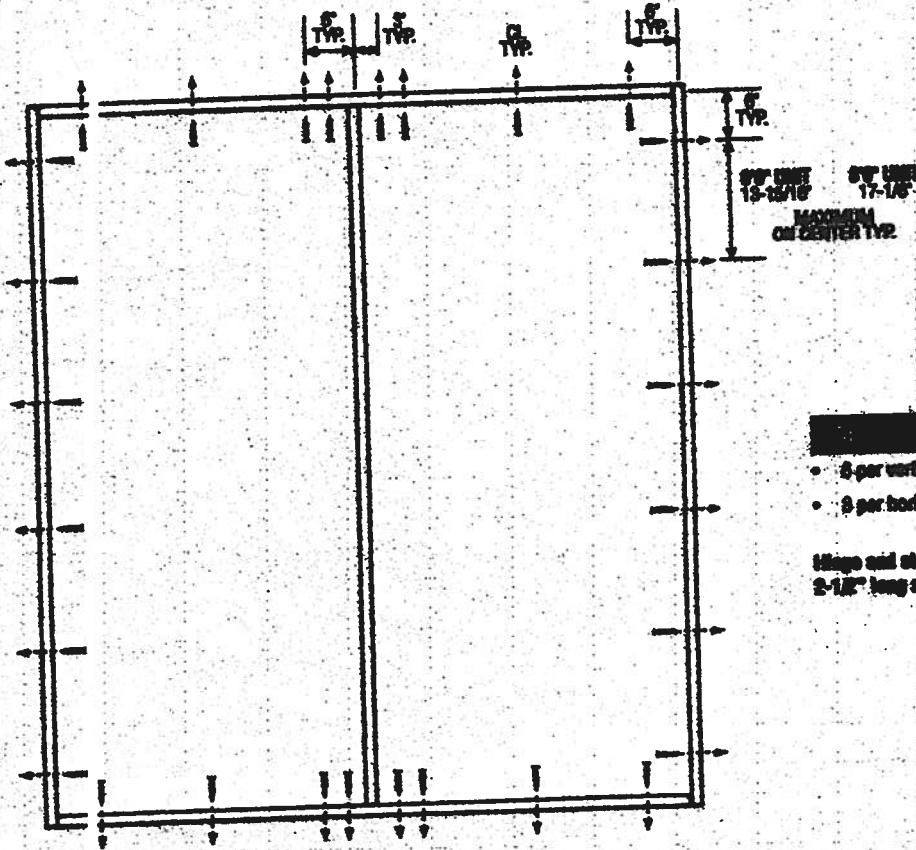
March 1, 2002
Our new design program of product improvement makes specifications design & product detail subject to change without notice.




 Excluding from Masonite International Corporation

XX
Unit

DOUBLE DOOR



- 3 per vertical framing member
- 3 per horizontal framing member

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

Fastening Hardware:

- Cor. plates requires that GRADE 2 or better (ANSI/ASMA A188.2) cylindrical and deadlock hardware be installed.

Note:

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

March 1, 1988
Our most
design is
and program of product improvement makes specifications.
product and subject to change without notice.

PREMOR
Premium Quality Doors



Exclusively from

Masonite

Masonite International Corporation

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Aaron Simque - Venture Point LLC

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

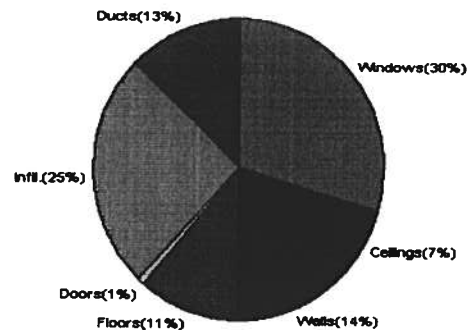
8/31/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	28823 Btuh	Total cooling load calculation	42288 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.0 34000	Sensible (SHR = 0.75)	72.3 25500
Heat Pump + Auxiliary(0.0kW)	118.0 34000	Latent	121.5 8500
		Total (Electric Heat Pump)	80.4 34000

WINTER CALCULATIONS

Winter Heating Load (for 1670 sqft)

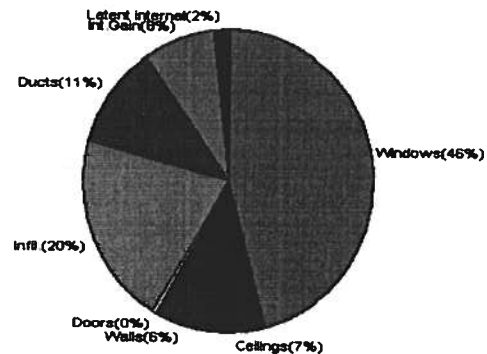
Load component	Load		
Window total	266 sqft	8563	Btuh
Wall total	1234 sqft	4053	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	1670 sqft	1968	Btuh
Floor total	190 sqft	3107	Btuh
Infiltration	178 cfm	7216	Btuh
Duct loss		3659	Btuh
Subtotal		28823	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		28823	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1670 sqft)

Load component	Load		
Window total	266 sqft	19288	Btuh
Wall total	1234 sqft	2574	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	1670 sqft	2766	Btuh
Floor total		0	Btuh
Infiltration	156 cfm	2901	Btuh
Internal gain		3320	Btuh
Duct gain		4248	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		35293	Btuh
Latent gain(ducts)		500	Btuh
Latent gain(infiltration)		5696	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		6996	Btuh
TOTAL HEAT GAIN		42288	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 8-31-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Aaron Simque - Venture Point LLC

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

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

8/31/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	W	25.0	32.2	805 Btuh
3	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	W	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
8	2, Clear, Metal, 0.87	E	2.7	32.2	86 Btuh
Window Total			266(sqft)		8563 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1234	3.3	4053 Btuh
Wall Total			1234		4053 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
Door Total			20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1670	1.2	1968 Btuh
Ceiling Total			1670		1968Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	190.0 ft(p)	16.4	3107 Btuh
Floor Total			190		3107 Btuh
Envelope Subtotal:					17949 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	Load
	Natural	0.80	13360 1234	178.1	7216 Btuh
Ductload	(DLM of 0.145)				3659 Btuh
All Zones	Sensible Subtotal All Zones				28823 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	28823 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28823 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

8/31/2007

EQUIPMENT

1. Electric Heat Pump	#	34000 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

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

8/31/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	W	25.0	32.2	805 Btuh
3	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	W	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
8	2, Clear, Metal, 0.87	E	2.7	32.2	86 Btuh
Window Total			266(sqft)		8563 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1234	3.3	4053 Btuh
Wall Total			1234		4053 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
Door Total			20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1670	1.2	1968 Btuh
Ceiling Total			1670		1968Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	190.0 ft(p)	16.4	3107 Btuh
Floor Total			190		3107 Btuh
Zone Envelope Subtotal:					17949 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	Load
	Natural	0.80	13360 1234	178.1	7216 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.145)				3659 Btuh
Zone #1	Sensible Zone Subtotal				28823 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

8/31/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	28823 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28823 Btuh

EQUIPMENT

1. Electric Heat Pump	#	34000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
 (Frame types - metal, wood or insulated metal)
 (U - Window U-Factor or 'DEF' for default)
 (HTM - ManualJ Heat Transfer Multiplier)
 Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
 For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

8/31/2007

Component Loads for Whole House										
Window	Type*		Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS	Ormt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	45.0	0.0	45.0	29	80	3578 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	25.0	0.0	25.0	29	80	1988 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590 Btuh
4	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	80.0	0.0	80.0	29	80	6361 Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590 Btuh
6	2, Clear, 0.87, None,N,N	E	6.5ft	8ft.	60.0	28.7	31.3	29	80	3318 Btuh
7	2, Clear, 0.87, None,N,N	E	6.5ft	8ft.	13.3	8.1	5.2	29	80	649 Btuh
8	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	2.7	0.0	2.7	29	80	212 Btuh
Window Total					266 (sqft)					19288 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1234.0			2.1		2574 Btuh
Wall Total					1234 (sqft)					2574 Btuh
Doors	Type		Area (sqft)			HTM		Load		
1	Insulated - Exterior		20.0			9.8		196 Btuh		
Door Total					20 (sqft)					196 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		1670.0			1.7		2766 Btuh
Ceiling Total					1670 (sqft)					2766 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		5.0		190 (ft(p))			0.0		0 Btuh
Floor Total					190.0 (sqft)					0 Btuh
Envelope Subtotal:									24823 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)		CFM=		Load	
	SensibleNatural		0.70		13360 1234		178.1		2901 Btuh	
Internal gain			Occupants		Btuh/occupant		Appliance		Load	
			4		X 230 +		2400		3320 Btuh	
Sensible Envelope Load:									31044 Btuh	
Duct load	(DGM of 0.137)									4248 Btuh
Sensible Load All Zones									35293 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

8/31/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	31044 Btuh
	Sensible Duct Load	4248 Btuh
	Total Sensible Zone Loads	35293 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35293 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5696 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	500 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6996 Btuh
	TOTAL GAIN	42288 Btuh

EQUIPMENT

1. Central Unit	#	34000 Btuh
-----------------	---	------------

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

8/31/2007

Component Loads for Zone #1 - Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	45.0	0.0	45.0	29	80	3578	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	25.0	0.0	25.0	29	80	1988	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590	Btuh
4	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	80.0	0.0	80.0	29	80	6361	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590	Btuh
6	2, Clear, 0.87, None,N,N	E	6.5ft	8ft.	60.0	28.7	31.3	29	80	3318	Btuh
7	2, Clear, 0.87, None,N,N	E	6.5ft	8ft.	13.3	8.1	5.2	29	80	649	Btuh
8	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	2.7	0.0	2.7	29	80	212	Btuh
Window Total					266 (sqft)					19288 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1234.0		2.1		2574 Btuh		
Wall Total					1234 (sqft)				2574 Btuh		
Doors	Type		R-Value		Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total					20 (sqft)				196 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		1670.0		1.7		2766 Btuh		
Ceiling Total					1670 (sqft)				2766 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		5.0		190 (ft(p))		0.0		0 Btuh		
Floor Total					190.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										24823 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)		CFM=		Load		
	SensibleNatural		0.70		13360 1234		155.9		2901 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			4		X 230 +		2400		3320 Btuh		
Sensible Envelope Load:										31044 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.137)		4248 Btuh	
Sensible Zone Load										35293 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Columbia County, FL 32024-

Aaron Simque - Venture Point LLC

Professional Version
Climate: North

8/31/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	31044 Btuh
	Sensible Duct Load	4248 Btuh
	Total Sensible Zone Loads	35293 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35293 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5696 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	500 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6996 Btuh
	TOTAL GAIN	42288 Btuh

EQUIPMENT

1. Central Unit	#		34000 Btuh
-----------------	---	--	------------

*Key: Window types (Pn - Number of panes of glass)
 (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
 (U - Window U-Factor or 'DEF' for default)
 (InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
Aaron Simque - Venture Point LLC

Code Only
Professional Version
Climate: North

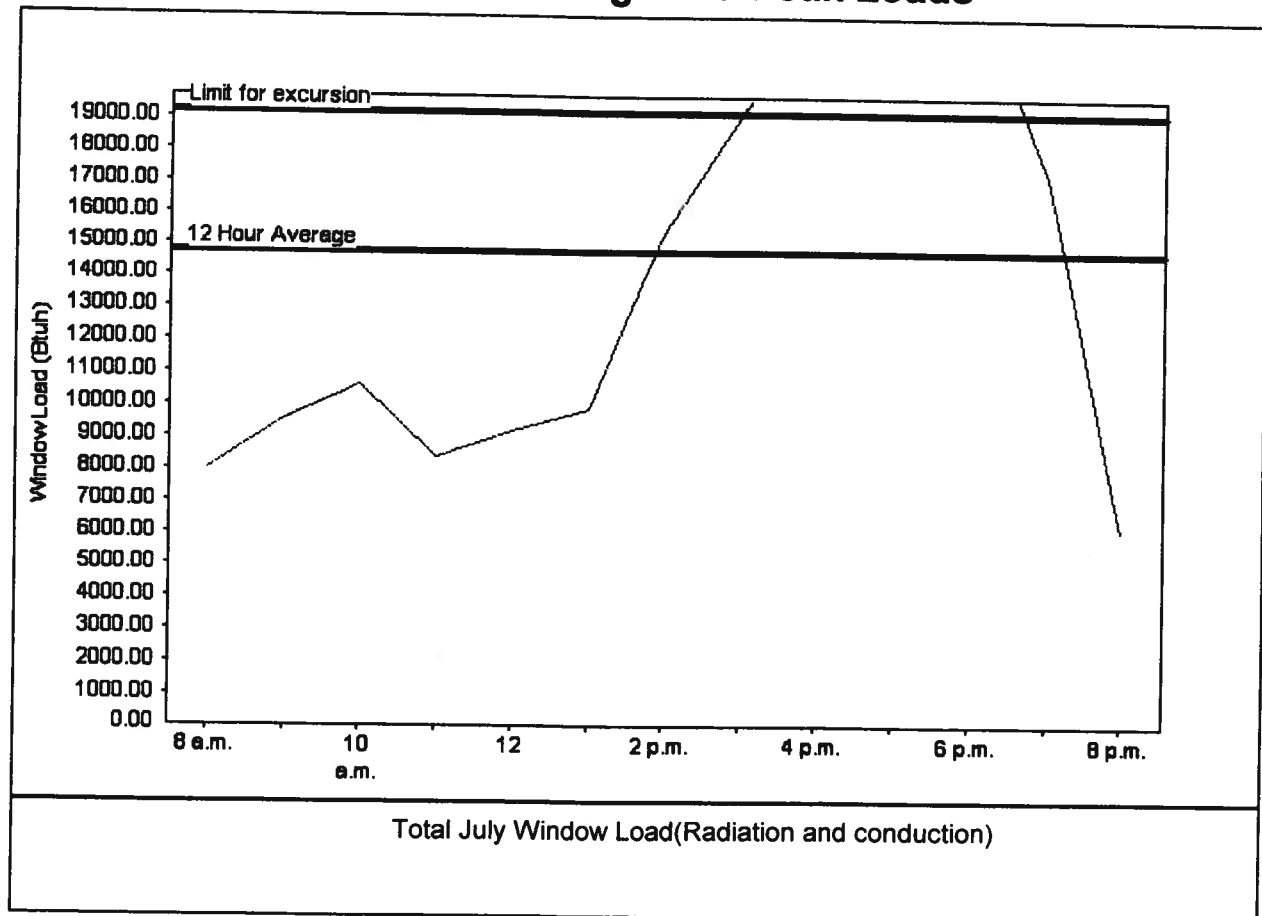
Columbia County, FL 32024-

8/31/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14779 Btu
Summer setpoint	75 F	Peak window load for July	24268 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	19212 Btu
Latitude	29 North	Window excursion (July)	5056 Btu/h

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____





TRUSS INFORMATION-

O.H. INCREASED TO 24" TO COVER BAY
 NOTE - BAY WALL HGT. DETERMINED
 BY OTHERS. DROP HEADER REQUIRED.

6/12 SLOPE
 REMOVE O.H.'s WHERE NECESSARY

BEARING HEIGHT SCHEDULE
 8'-0"

NOTES:

- 1) REFER TO HD 9 (RECOMMENDATIONS FOR TRUSS INSTALLATION AND TIEBACK BRACKS) REFER TO DRAWING 10 (TRUSS) FOR TRUSS BRACKS REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACKS REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2.0 C MAXIMUM SPACING UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) S/42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTRUS UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED.
- 8) BEARING ADVERTINTEL (R09) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU!



Builder: ARRON SIMQUE HOMES
Client: CHALK RESIDENCE
Project: CUSTOM
Drawn: BPC
Checked: L251701

Builder: Builders FirstSource
 Bunnell
 Lake City
 Sanford
 Phone: 904-437-5349 FAX: 904-437-3944
 Phone: 904-772-6100 FAX: 904-772-4973
 Phone: 386-795-6664 FAX: 386-795-7973
 Phone: 407-322-0094 FAX: 407-322-9593

