DATE 08/24/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026166

APPLICANT AARON CADY PHONE 867-1458

ADDRESS P.O. BOX 123 LAKE CITY FL 32056

OWNER AARON CADY PHONE 752-2878

ADDRESS 243 NW BUTTERCUP DR LAKE CITY FL 32025

CONTRACTOR CADY HOMES PHONE 867-1458

LOCATION OF PROPERTY 247S, TL ON CALLAHAN RD, TR ON MORNING GLORY DR, TR ON BUTTERCUP, 6TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 94000.00

HEATED FLOOR AREA 1880.00 TOTAL AREA 2572.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 21

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 15-4S-16-03023-546 SUBDIVISION ROLLING MEADOWS

LOT 46 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001437		CGC1508421		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
CULVERT	07-659	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: PLAT REQUIRES FINISH FLOOR ELEVATION OF 108 FT,ELEVATION CONFIRMATION LETTER REQUIRED

Check # or Cash 3340

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 470.00 CERTIFICATION FEE $ 12.86 SURCHARGE FEE $ 12.86

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 595.72

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Warranty Deed

This Indenture, made this, August 13, 2007 A.D.
Between
Milestone HS, LLC, a Florida Limited Liability Company whose post office address is: P.O. Box 3001, Lake City, Florida 32025 a company existing under the laws of the State of Florida, Grantor and **Cady Homes & Associates, Inc., a Florida Corporation** whose post office address is: P.O. Box 123, Lake City, Florida 32056, Grantee,

Inst:200712018628 Date:8/16/2007 Time:2:43 PM
Doc Stamp-Deed:353.50
DC,P.DeWitt Cason ,Columbia County Page 1 of 1

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 46, of Rolling Meadows, a subdivision according to the plat thereof in Plat Book 8, Pages 45 & 46, of the Public Records of Columbia County, Florida.

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

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

Parcel Identification Number: **03023-546**

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

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

Milestone HS, LLC

Signed and Sealed in Our Presence:

By: _____
Robert S. Stewart
Its: Manager

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

Witness Print Name: Jonathan Rocco

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this _____ day of August, 2007, by Robert S. Stewart, the Manager of Milestone HS, LLC, a Florida Limited Liability Company existing under the laws of the State of Florida, on behalf of the company. He/She is personally known to me or has produced DL as identification.

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

_____ (Seal)
Notary Public
Notary Printed Name: _____

My Commission Expires::

Prepared by:

Sierra Title, LLC,
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 07-0304

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By: Sharon Feagle
Deputy Clerk
Date 08-16-2007

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

Closer's Choice Florida Corporate Deed/Letter

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0708-45 Date Received 8/16/07 By G Permit # 14371/26166

Application Approved by - Zoning Official BLK Date 23.08.07 Plans Examiner OKJTH Date 8-21-07

Flood Zone X Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dev.

Comments Plat Requires Finish Floor Elevation of 108 ft. Elevation Confirmation letter Required ~~FW~~, NOC, ~~EH~~,

Applicants Name AARON CADY Phone 386-867-1458

Address P.O. BOX 123 LAKE CITY FL. 32056

Owners Name CADY HOMES Phone 386-752-2878

911 Address 243 NW Buttercup Dr, Lake City, FL. ~~32055~~ 32025

Contractors Name CADY HOMES Phone 386-752-2878

Address P.O. BOX 123 L. CITY FL. 32056

Fee Simple Owner Name & Address CADY HOMES & ASSOCIATES, INC.

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address DISOSWAY P.E L. CITY FL.

Mortgage Lenders Name & Address CAPITOL CITY BANK GAINEVILLE FL.

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progressive Energy

Property ID Number 15-4S-16-03023-546 Estimated Cost of Construction 90,000 -

Subdivision Name ROLLING MEADOWS Lot 46 Block ____ Unit ____ Phase ____

Driving Directions HWY. 247 S. TO CAHAN RD MAKE LEFT GO TO MORNING GLORY DR. MAKE RIGHT FOLLOW TO BUTTERCUP MAKE RIGHT HOUSE ON RIGHT (6th)

Type of Construction FRAME Number of Existing Dwellings on Property 0

Total Acreage .5 Lot Size 170X175 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 40' Side 55' Side 55' Rear 70'

Total Building Height 21' 9" Number of Stories 1 Heated Floor Area 1880 Roof Pitch 4/12

TOTAL 2572

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature AARON CADY

Contractors License Number CGC1508421

Competency Card Number ____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 16th day of August 20 07.

Personally known ✓ or Produced Identification ____

Notary Signature

Jonathan M. Handy
Commission # DD437748
Expires June 6, 2009
Bonded Troy Fain - Insurance, Inc 800-385-7019

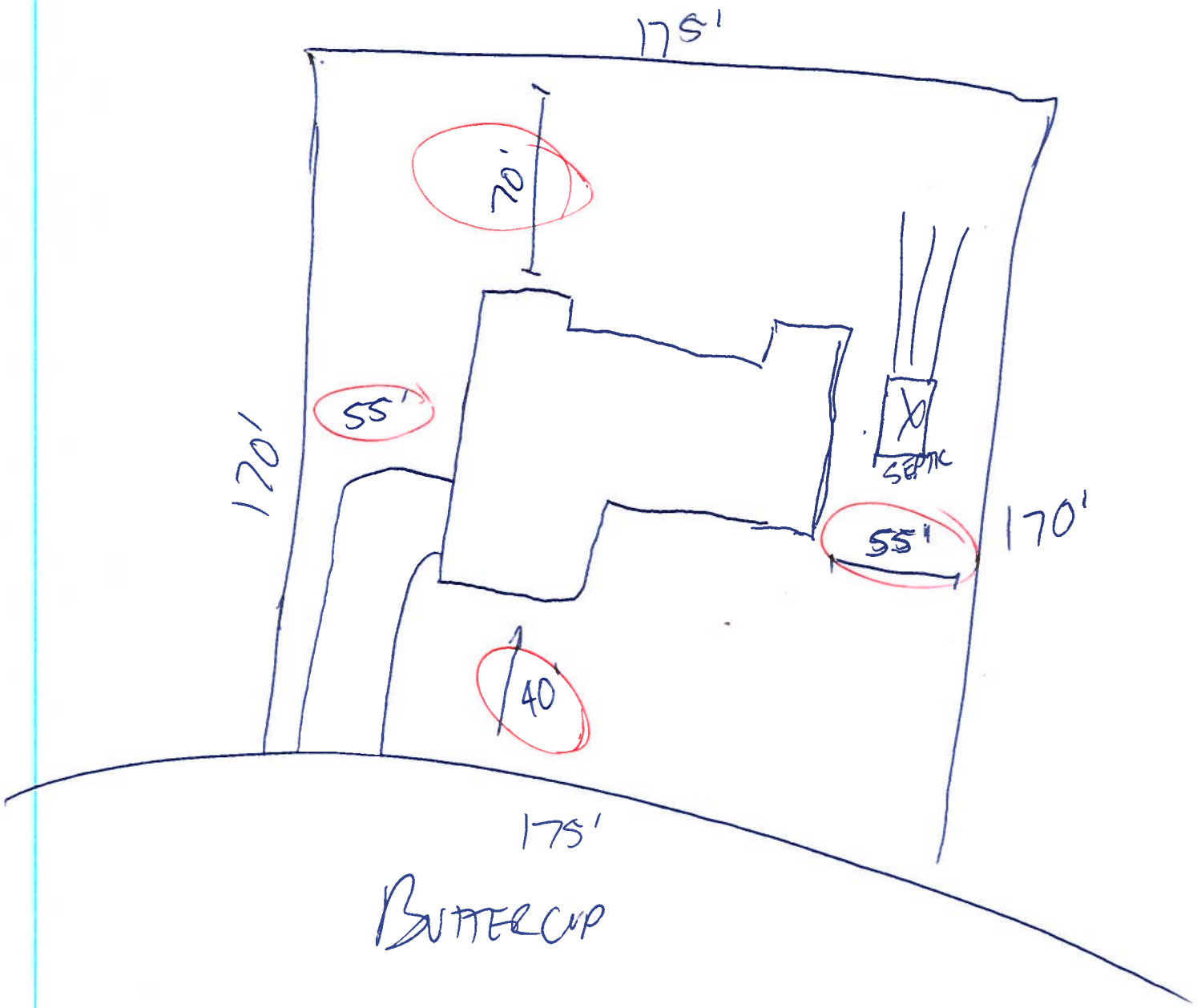
Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Rolling Meadows Subdivision
Section 15, Township 4 South, Range 16 East

LOT#	ADDRESS
LOT1	121 SW MORNING GLORY DR
LOT2	145 SW MORNING GLORY DR
LOT3	165 SW MORNING GLORY DR
LOT4	187 SW MORNING GLORY DR
LOT5	209 SW MORNING GLORY DR
LOT6	231 SW MORNING GLORY DR
LOT7	253 SW MORNING GLORY DR
LOT8	283 SW MORNING GLORY DR
LOT9	299 SW MORNING GLORY DR
LOT10	311 SW MORNING GLORY DR
LOT11	333 SW MORNING GLORY DR
LOT12	357 SW MORNING GLORY DR
LOT13	381 SW MORNING GLORY DR
LOT14	405 SW MORNING GLORY DR
LOT15	429 SW MORNING GLORY DR
LOT16	453 SW MORNING GLORY DR
LOT17	463 SW MORNING GLORY DR
LOT18	464 SW MORNING GLORY DR
LOT19	456 SW MORNING GLORY DR
LOT20	442 SW MORNING GLORY DR
LOT21	418 SW MORNING GLORY DR
LOT22	396 SW MORNING GLORY DR
*LOT23	374 SW MORNING GLORY DR
*LOT23	124 SW BUTTERCUP DR
*LOT24	158 SW BUTTERCUP DR
*LOT24	116 SW POPPY GLN
LOT25	136 SW POPPY GLN
LOT26	158 SW POPPY GLN
LOT27	182 SW POPPY GLN
LOT28	208 SW POPPY GLN
LOT29	209 SW POPPY GLN
LOT30	159 SW POPPY GLN
LOT31	137 SW POPPY GLN
*LOT32	206 SW BUTTERCUP DR
*LOT32	117 SW POPPY GLN
LOT33	254 SW BUTTERCUP DR
LOT34	296 SW BUTTERCUP DR
LOT35	318 SW BUTTERCUP DR
LOT36	336 SW BUTTERCUP DR
LOT37	348 SW BUTTERCUP DR
LOT38	352 SW BUTTERCUP DR
LOT39	349 SW BUTTERCUP DR
LOT40	337 SW BUTTERCUP DR
LOT41	319 SW BUTTERCUP DR
LOT42	297 SW BUTTERCUP DR
LOT43	279 SW BUTTERCUP DR
LOT44	269 SW BUTTERCUP DR
LOT45	259 SW BUTTERCUP DR
LOT46	243 SW BUTTERCUP DR
LOT47	221 SW BUTTERCUP DR
LOT48	199 SW BUTTERCUP DR
LOT49	173 SW BUTTERCUP DR
LOT50	147 SW BUTTERCUP DR
*LOT51	338 SW MORNING GLORY DR
*LOT51	123 SW BUTTERCUP DR
LOT52	298 SW MORNING GLORY DR
LOT53	258 SW MORNING GLORY DR
LOT54	226 SW MORNING GLORY DR
LOT55	202 SW MORNING GLORY DR
LOT56	174 SW MORNING GLORY DR
LOT57	150 SW MORNING GLORY DR
LOT58	130 SW MORNING GLORY DR
LOT59	112 SW MORNING GLORY DR

(NOTE: * IDENTIFIES CORNER LOTS. CONTACT THE 9-1-1 ADDRESSING DEPARTMENT FOR CORRECT ADDRESS.)

15-45-16-03023-546

LOT 46 ROLLING MEADOWS



ASPEN
PEST CONTROL, INC.

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

243 SW Buttercup Dr. Lake City, Fl/ Lot 46 Rollingmeadows (Cady Homes)
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate
Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood
Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Michelle Fischer
Authorized Signature

8.16.07
Date

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:	**Cady Homes & Associates - Lot 46**	Builder:	**Cady Homes & Ass.**
Address:	**Lot: 51, Sub: Rolling Meadows, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, FL 32025-**	Permit Number:	26166
Owner:	**Spec House**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	1880 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 355.3 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=5.0, 224.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=13.0, 1396.7 ft²	
b. Frame, Wood, Adjacent	R=13.0, 148.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 1980.0 ft²	
b. N/A		
c. N/A		
11. Ducts(Leak Free)		
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	
b. N/A		
12. Cooling systems		
a. Central Unit	Cap: 41.0 kBtu/hr SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 41.0 kBtu/hr HSPF: 7.70	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.19

Total as-built points: 23486

Total base points: 25240

PASS

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

PREPARED BY: _____

DATE: 8-16-07

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1880.0	18.59	6291.0	1.Double, Clear	W	1.5	10.0	75.0	38.52	0.98	2828.0	
				2.Double, Clear	W	1.5	10.0	6.0	38.52	0.98	226.0	
				3.Double, Clear	N	7.5	10.0	40.0	19.20	0.76	581.0	
				4.Double, Clear	W	10.5	10.0	63.0	38.52	0.52	1258.0	
				5.Double, Clear	SW	10.5	10.0	20.0	40.16	0.48	385.0	
				6.Double, Clear	S	7.5	10.0	15.0	35.87	0.57	304.0	
				7.Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.0	
				8.Double, Clear	N	1.5	8.0	6.0	19.20	0.97	111.0	
				9.Double, Clear	E	1.5	8.0	16.0	42.06	0.96	644.0	
				10.Double, Clear	E	7.8	10.0	13.3	42.06	0.58	324.0	
				11.Double, Clear	E	1.5	10.0	56.0	42.06	0.98	2304.0	
				12.Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.0	
				As-Built Total:				**355.3**			**10018.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	148.0	0.70	103.6	1. Frame, Wood, Exterior	13.0	1396.7	1.50	2095.0
Exterior	1396.7	1.70	2374.4	2. Frame, Wood, Adjacent	13.0	148.0	0.60	88.8
Base Total:	**1544.7**		**2478.0**	**As-Built Total:**		**1544.7**		**2183.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	1.Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	6.10	122.0	2.Adjacent Insulated	20.0	1.60	32.0
Base Total:	**40.0**		**170.0**	**As-Built Total:**	**40.0**		**114.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1880.0	1.73	3252.4	1. Under Attic	30.0	1980.0	1.73 X 1.00	3425.4
Base Total:	**1880.0**		**3252.4**	**As-Built Total:**		**1980.0**		**3425.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	224.0(p)	-37.0	-8288.0	1. Slab-On-Grade Edge Insulation	5.0	224.0(p	-36.20	-8108.8
Raised	0.0	0.00	0.0					
Base Total:			**-8288.0**	**As-Built Total:**		**224.0**		**-8108.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	1880.0	10.21	19194.8				1880.0	10.21		19194.8
Summer Base Points: 23098.2				**Summer As-Built Points:**						**26827.3**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 41000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				26827	1.00	(1.09 x 1.000 x 1.00)	0.260	0.950		7222.7
23098.2	**0.3250**		**7506.9**	**26827.3**	**1.00**	**1.090**	**0.260**	**0.950**		**7222.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1880.0	20.17	6826.0	1.Double, Clear	W	1.5	10.0	75.0	20.73	1.01	1563.0	
				2.Double, Clear	W	1.5	10.0	6.0	20.73	1.01	125.0	
				3.Double, Clear	N	7.5	10.0	40.0	24.58	1.01	997.0	
				4.Double, Clear	W	10.5	10.0	63.0	20.73	1.17	1530.0	
				5.Double, Clear	SW	10.5	10.0	20.0	16.74	1.63	544.0	
				6.Double, Clear	S	7.5	10.0	15.0	13.30	2.27	451.0	
				7.Double, Clear	N	1.5	8.0	30.0	24.58	1.00	737.0	
				8.Double, Clear	N	1.5	8.0	6.0	24.58	1.00	147.0	
				9.Double, Clear	E	1.5	8.0	16.0	18.79	1.02	306.0	
				10.Double, Clear	E	7.8	10.0	13.3	18.79	1.22	305.0	
				11.Double, Clear	E	1.5	10.0	56.0	18.79	1.01	1065.0	
				12.Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.0	
				As-Built Total:				**355.3**			**7977.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	148.0	3.60	532.8	1. Frame, Wood, Exterior	13.0	1396.7	3.40	4748.8
Exterior	1396.7	3.70	5167.8	2. Frame, Wood, Adjacent	13.0	148.0	3.30	488.4
Base Total:	**1544.7**		**5700.6**	**As-Built Total:**		**1544.7**		**5237.2**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	1.Exterior Insulated	20.0	8.40	168.0
Exterior	20.0	12.30	246.0	2.Adjacent Insulated	20.0	8.00	160.0
Base Total:	**40.0**		**476.0**	**As-Built Total:**	**40.0**		**328.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1880.0	2.05	3854.0	1. Under Attic	30.0	1980.0	2.05 X 1.00	4059.0
Base Total:	**1880.0**		**3854.0**	**As-Built Total:**		**1980.0**		**4059.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	224.0(p)	8.9	1993.6	1. Slab-On-Grade Edge Insulation	5.0	224.0(p	7.60	1702.4
Raised	0.0	0.00	0.0					
Base Total:			**1993.6**	**As-Built Total:**		**224.0**		**1702.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points	
	1880.0	-0.59	-1109.2			1880.0	-0.59		-1109.2	
Winter Base Points:			**17741.0**	**Winter As-Built Points:**						**18194.4**
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	
				(sys 1: Electric Heat Pump 41000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				18194.4	1.000	(1.069 x 1.000 x 1.00)	0.443	0.950	8182.8	
17741.0	**0.5540**	**9828.5**		**18194.4**	**1.00**	**1.069**	**0.443**	**0.950**	**8182.8**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.90	3		1.00	2693.56	1.00	8080.7
				As-Built Total:							**8080.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	Heating Points	Hot Water Points	Total Points	Cooling Points	Heating Points	Hot Water Points	Total Points
7507	**9829**	**7905**	**25240**	**7223**	**8183**	**8081**	**23486**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** 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 cir 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* = 85.8

The higher the score, the more efficient the home.

Spec House, Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 41.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1880 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 355.3 ft²			a. Electric Heat Pump	Cap: 41.0 kBtu/hr
	b. SHGC:					HSPF: 7.70
	(or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=5.0, 224.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1396.7 ft²				EF: 0.90
	b. Frame, Wood, Adjacent	R=13.0, 148.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1980.0 ft²		15.	HVAC credits	PT,
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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.

Energy Code Compliance

Duct System Performance Report

Project Name:	Cady Homes & Associates - Lot 46	Builder:	Cady Homes & Ass.
Address:		Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	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)** ☐ **Receive credit if Q_n,tot≤ 0.03**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ **(Q_n,out)** ☐ **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.htp

BUILDING OFFICIAL: _____

DATE: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 755-[illegible]
FAX (904) 755-7[illegible]
[illegible]
LAKE CITY, FLORIDA [illegible]
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

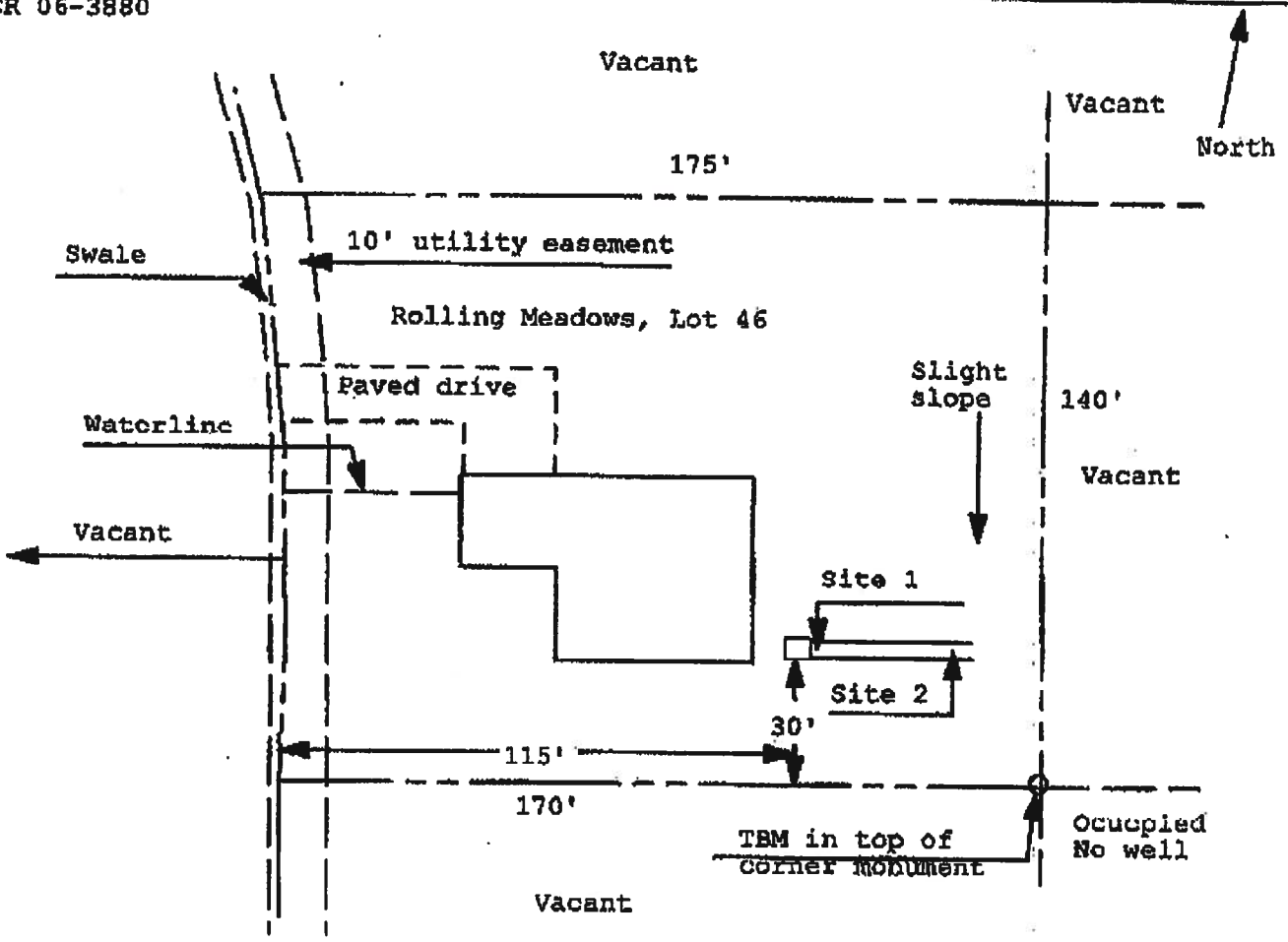
Donald D. Hall
DDH/jk

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

Permit Application Number: 07-0659

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CADY/CR 06-3880



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 8/14/07

Plan Approved X Not Approved ____ Date 8/23/07

By [signature] APPROVED Columbia CHD CPHU

Notes: ____

12 month permit

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
08/27/07	Footer	John	Aaron Cady	OK	Rolling Meadows Lot 46	26166
08/27/07	Set Backs	John	Aaron Cady	OK	Rolling Meadows Lot 46	26166
09/04/07	Rough Plumbing	Randy	Aaron Cady	OK	Rolling Meadows Lot 46	26166
09/05/07	Slab	Randy	Aaron Cady	OK	Rolling Meadows Lot 46	26166
10/08/07	Nailing	Randy	Aaron Cady	OK	Rolling Meadows Lot 46	26166
12/26/07	Framing	Wayne	Aaron Cady	Not Right	Rolling Meadows Lot 46	26166
12/26/07	Electrcial	Wayne	Aaron Cady	OK	Rolling Meadows Lot 46	26166
12/26/07	Plumbing	Wayne	Aaron Cady	Not Right	Rolling Meadows Lot 46	26166
12/26/07	A/C	Wayne	Aaron Cady	OK	Rolling Meadows Lot 46	26166

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
01/24/08	Recheck Framing	Wayne	Aaron Cady	OK	Rolling Meadows Lot 46	26166
01/24/08	Recheck Plumbing	Wayne	Aaron Cady	OK	Rolling Meadows Lot 46	26166

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001437

DATE 08/24/2007 PARCEL ID # 15-4S-16-03023-546

APPLICANT AARON CADY PHONE 867-1458

ADDRESS P.O. BOX 123 LAKE CITY FL 32056

OWNER AARON CADY PHONE 752-2878

ADDRESS 243 NW BUTTERCUP DR LAKE CITY FL 32025

CONTRACTOR CADY HOMES PHONE 867-1458

LOCATION OF PROPERTY 247S, TL ON CALLAHAN RD, TR ON MORNING GLORY DR, TR ON BUTTERCUP, 6TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 46

SIGNATURE Aaron Cady

INSTALLATION REQUIREMENTS

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

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

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY FLORIDA

Tax Folio Number:

State of: **Florida**
County of: **Columbia**

File Number: **07-0304**

NOTICE OF COMMENCEMENT

The undersigned hereby gives notice that improvement will be made to certain real property, and, in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of Property:

   Lot 46, of ROLLING MEADOWS, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 45-46, of the Public Records of Columbia County, Florida.

2. General Description of Improvements: Single Family Dwelling

3. Owner Information:
   a. Name and Address: Cady Homes & Associates, P.O Box 123 Florida 32056

   b. Interest in property: Fee Simple

   c. Names and address of fee simple title holder (if other than owner):

4. Contractor: Cady Homes & Associates, Inc.

5. Surety: NONE

6. Lender: Capital City Bank, 3760 NW 83rd Street, Suite 2, Gainesville, Florida 32606

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.

8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): .

Cady Homes & Associates, Inc.

Aaron M. Cady, Vice President.

Inst:200712019139 Date:8/22/2007 Time:4:49 PM
DC,P.DeWitt Cason ,Columbia County Page 1 of 1

Sworn to and subscribed before me August 13, 2007 by Aaron M. Cady as Vice President of Cady Homes & Associates, Inc. who is personally known to me or who did provide Florida Drivers License as identification.

Notary Public
My Commission Expires:

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 05/17/2010

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By: Sharon Feagle
Deputy Clerk
Date 08-22-2007

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

ASPEN
PEST CONTROL, INC.

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

243 SW Buttercup Dr. Lake City, Fl/ Lot 46 Rollingmeadows (Cady Homes)
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Michelle Fischer
Authorized Signature

8.16.07
Date

Project Information for:	L227908		
Builder:	CADY HOMES	Date:	2/23/2007
Lot:	LOT 46 ROLLING MEADOWS	Start Number:	1391
Subdivision:	N/A	SEI Ref:	L227908
County or City:	COLUMBIA COUNTY		
Truss Page Count:	45		

Truss Design Load Information (UNO) Design Program: MiTek

Gravity		Wind		Building Code:	FBC2004
Roof (psf):	42	Wind Standard:	ASCE 7-02		
Floor (psf):	55	Wind Speed (mph):	110		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

CADY, AARON M CGC1508421
Address: P.O. BOX 3356
LAKE CITY, FL 32056 Designer: 24

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549 Phone: 813-849-5769

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitablity and use of Carrying Member hanger capacity.

THOMAS E. MILLER LICENSE No. 56877 STATE OF FLORIDA PROFESSIONAL ENGINEER FEB 23 2007

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0223071391	2/23/2007	41	T25G	0223071431	2/23/2007
2	CJ3	0223071392	2/23/2007	42	T26	0223071432	2/23/2007
3	CJ5	0223071393	2/23/2007	43	T26G	0223071433	2/23/2007
4	CJ5S	0223071394	2/23/2007	44	T27	0223071434	2/23/2007
5	EJ2	0223071395	2/23/2007	45	T28	0223071435	2/23/2007
6	EJ7	0223071396	2/23/2007				
7	EJ7T	0223071397	2/23/2007				
8	HJ2	0223071398	2/23/2007				
9	HJ9	0223071399	2/23/2007				
10	PB05	0223071400	2/23/2007				
11	PB05A	0223071401	2/23/2007				
12	T01	0223071402	2/23/2007				
13	T02	0223071403	2/23/2007				
14	T02	0223071404	2/23/2007				
15	T03	0223071405	2/23/2007				
16	T04	0223071406	2/23/2007				
17	T05	0223071407	2/23/2007				
18	T06	0223071408	2/23/2007				
19	T07	0223071409	2/23/2007				
20	T08	0223071410	2/23/2007				
21	T09	0223071411	2/23/2007				
22	T10	0223071412	2/23/2007				
23	T11	0223071413	2/23/2007				
24	T12	0223071414	2/23/2007				
25	T13	0223071415	2/23/2007				
26	T14	0223071416	2/23/2007				
27	T15	0223071417	2/23/2007				
28	T15	0223071418	2/23/2007				
29	T16	0223071419	2/23/2007				
30	T17	0223071420	2/23/2007				
31	T18	0223071421	2/23/2007				
32	T19	0223071422	2/23/2007				
33	T20	0223071423	2/23/2007				
34	T20G	0223071424	2/23/2007				
35	T21	0223071425	2/23/2007				
36	T22	0223071426	2/23/2007				
37	T22G	0223071427	2/23/2007				
38	T23	0223071428	2/23/2007				
39	T24	0223071429	2/23/2007				
40	T25	0223071430	2/23/2007				

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

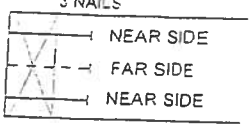
TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM	SYP
3.5" LONG	.131	83.3
	.135	89.6
	.162	118.3
3.25" LONG	.128	80.5
	.131	83.3
	.148	102.1
3.0" LONG	.120	70.5
	.128	80.5
	.131	83.3
	.148	102.1

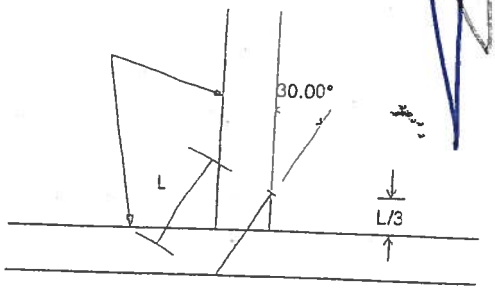
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

SQUARE CUT

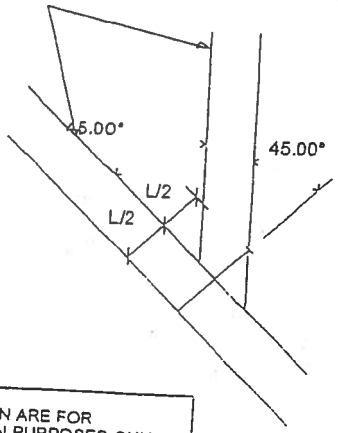
SIDE VIEW (2x4, 2x6) 3 NAILS



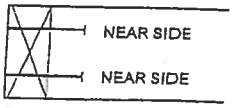
SIDE VIEW (2x3) 2 NAILS



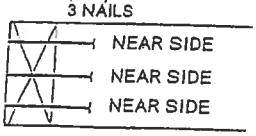
45 DEGREE ANGLE BEVEL CUT



SIDE VIEW (2x3, 2x4) 2 NAILS



SIDE VIEW (2x6) 3 NAILS



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.

THOMAS E. MILLER LICENSE No. 56877 STATE OF FLORIDA PROFESSIONAL ENGINEER

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

8:10:18 AM 12/7/2006

Licensee Details

Licensee Information

Name:	**CADY, AARON MATTHEW** (Primary Name) **CADY HOMES & ASSOCIATES INC** (DBA Name)
Main Address:	**POST OFFICE BOX 3356** **LAKE CITY Florida 32056-3356**
License Mailing:	
LicenseLocation:	**701 S W STONERIDGE DR** **LAKE CITY FL 32025**
County:	**COLUMBIA**

License Information

License Type:	**Certified General Contractor**
Rank:	**Cert General**
License Number:	**CGC1508421**
Status:	**Current,Active**
Licensure Date:	**01/27/2005**
Expires:	**08/31/2008**

Special Qualifications	Qualification Effective
Qualified Business License Required	01/27/2005

View Related License Information
View License Complaint

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ. FL 33549

Dwg.#0223071391

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	CJ1	JACK	9	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:47 2007 Page 1

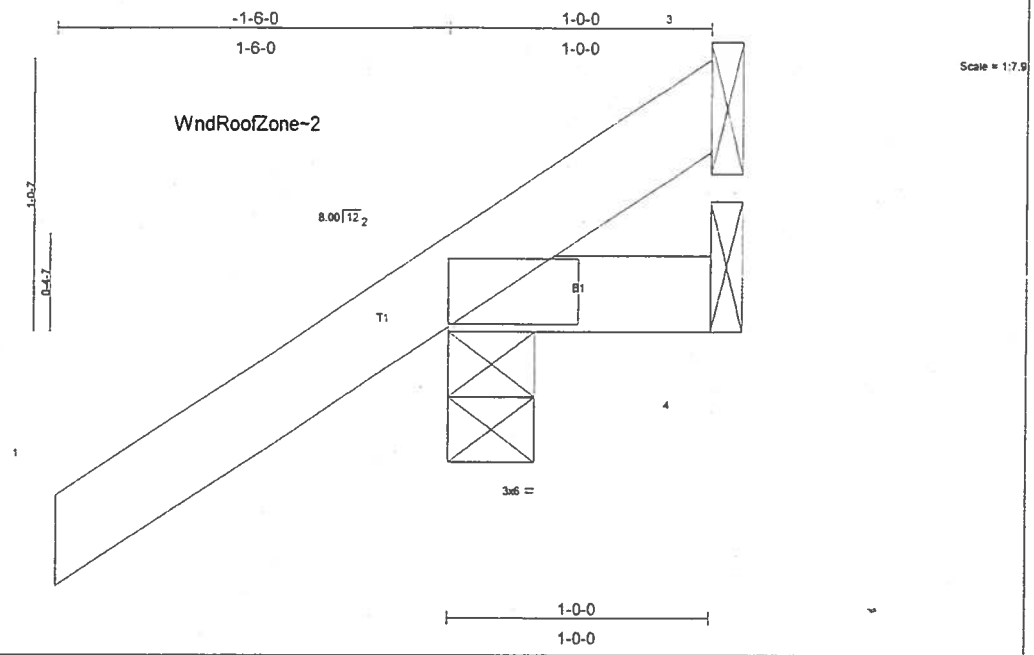


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=189/0-4-0, 4=14/Mechanical, 3=-41/Mechanical
Max Horz 2=94(load case 5)
Max Uplift2=-189(load case 5), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=70(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-55/48
BOT CHORD 2-4=0/0

NOTES
1) 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 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071392

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	CJ3	JACK	6	1	Job Reference (optional)

Builders FirstSource. Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:47 2007 Page 1

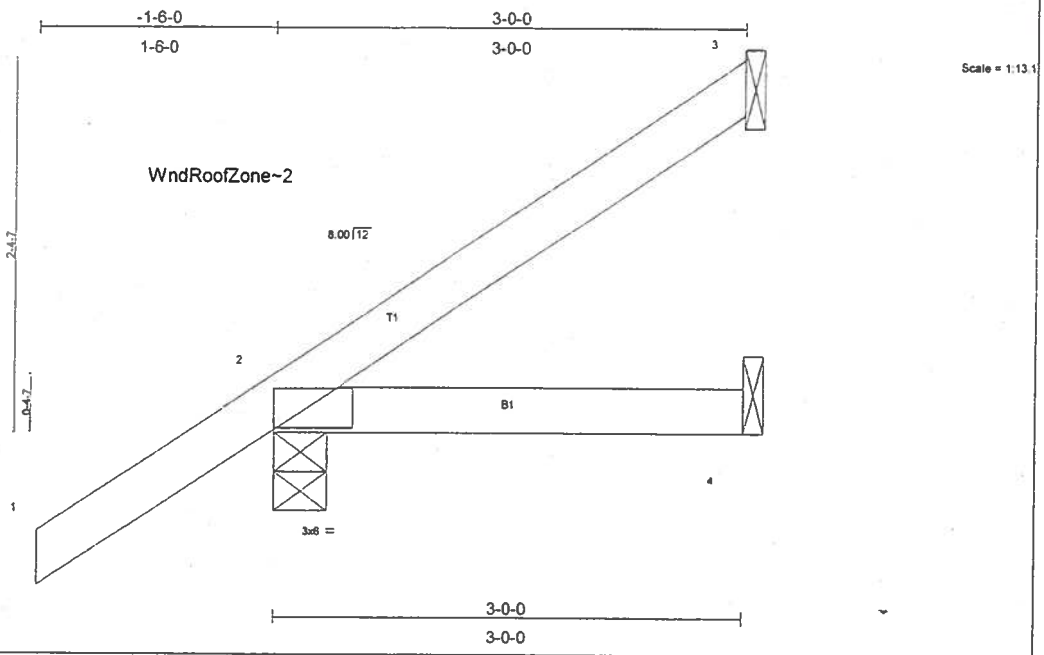


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-47(load case 5), 2=-143(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-60/19
BOT CHORD 2-4=0/0

NOTES
1) 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 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071393

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	CJ5	JACK	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:48 2007 Page 1

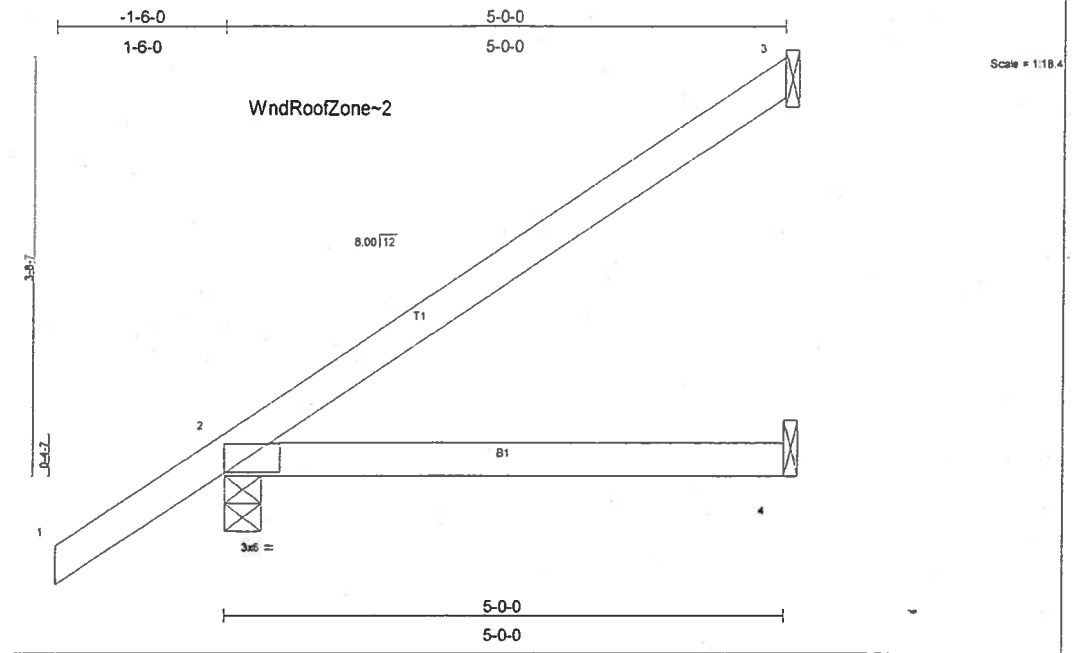


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
Max Horz 2=215(load case 5)
Max Uplift3=-121(load case 5), 2=-138(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-100/50
BOT CHORD 2-4=0/0

NOTES
1) 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 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071394

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	CJ5S	JACK	1	1	Job Reference (optional)

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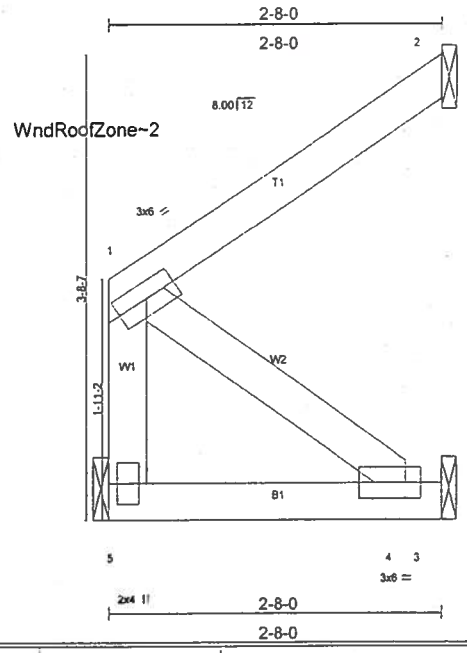

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=103/Mechanical, 2=66/Mechanical, 3=37/Mechanical
Max Horz 5=76(load case 5)
Max Uplift2=-72(load case 5), 3=-45(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-66/0, 1-2=-55/29
BOT CHORD 4-5=-83/6, 3-4=0/0
WEBS 1-4=-8/105

NOTES
1) 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 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 2 and 45 lb uplift at joint 3.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071395

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	EJ2	JACK	2	1	Job Reference (optional)

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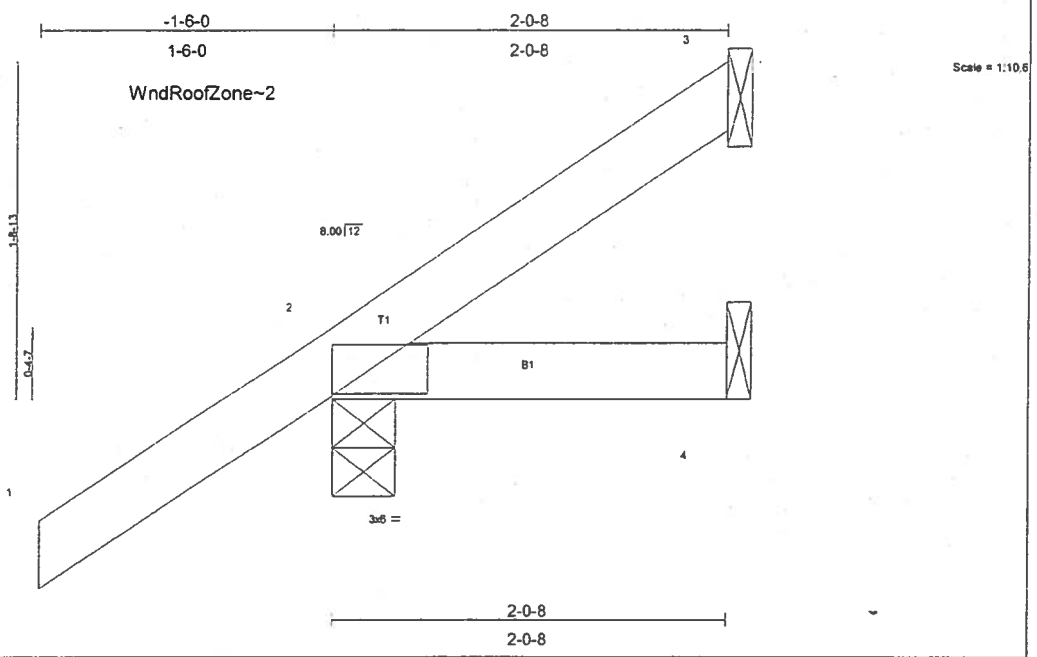

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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 2-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=8/Mechanical, 2=208/0-4-0, 4=27/Mechanical
Max Horz 2=124(load case 5)
Max Uplift3=-19(load case 6), 2=-158(load case 5)
Max Grav 3=25(load case 3), 2=208(load case 1), 4=27(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-54/14
BOT CHORD 2-4=0/0

NOTES
1) 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 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 3 and 158 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071396

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	EJ7	JACK	19	1	Job Reference (optional)

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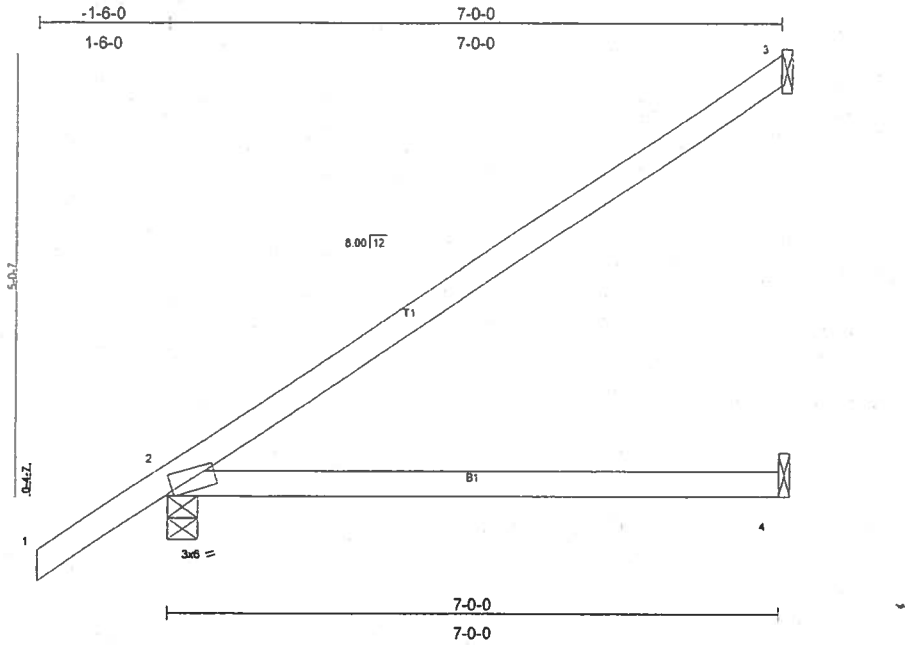

Plate Offsets (X,Y): [2:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.14	2-4	>599	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.22	2-4	>362	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=164/Mechanical, 2=385/0-4-0, 4=109/Mechanical
Max Horz 2=277(load case 5)
Max Uplift3=-165(load case 5), 2=-142(load case 5), 4=-1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-126/73
BOT CHORD 2-4=0/0

NOTES
1) 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 Interior(1) 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 3, 142 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071397

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	EJ7T	SPECIAL	8	1	Job Reference (optional)

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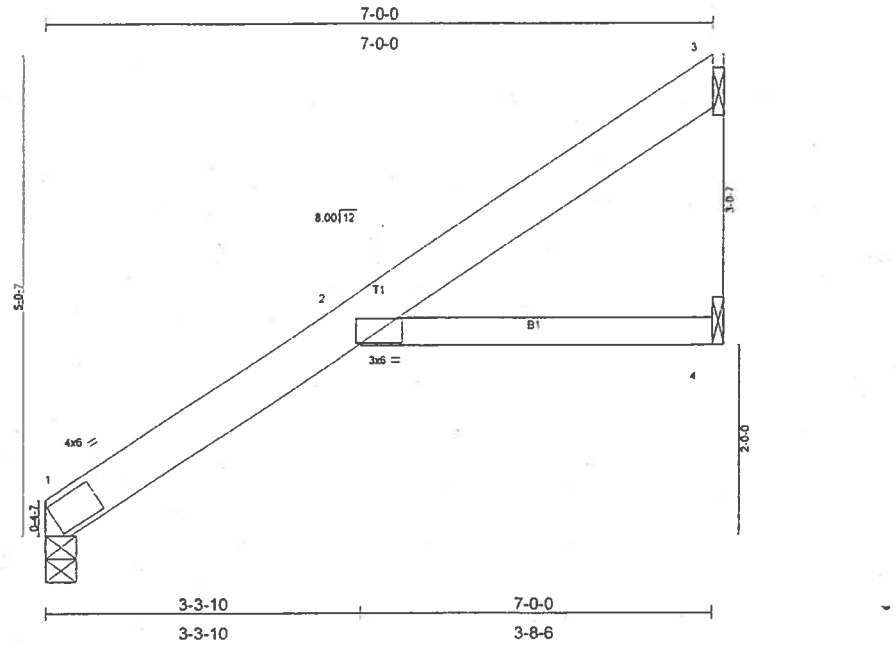

Plate Offsets (X,Y): [2:0-5-7,0-0-2], [2:3-0-7,0-3-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.10	2	>837	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.13	2	>641	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.08	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2

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

REACTIONS (lb/size) 1=240/0-4-0, 3=217/Mechanical, 4=55/Mechanical
Max Horz 1=208(load case 5)
Max Uplift1=-35(load case 5), 3=-187(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-156/10, 2-3=-124/114
BOT CHORD 2-4=0/0

NOTES
1) 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 Interior(1) 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.
2) Refer to girder(s) for truss to truss connections.
3) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 187 lb uplift at joint 3.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071398

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	HJ2	JACK	2	1	Job Reference (optional)

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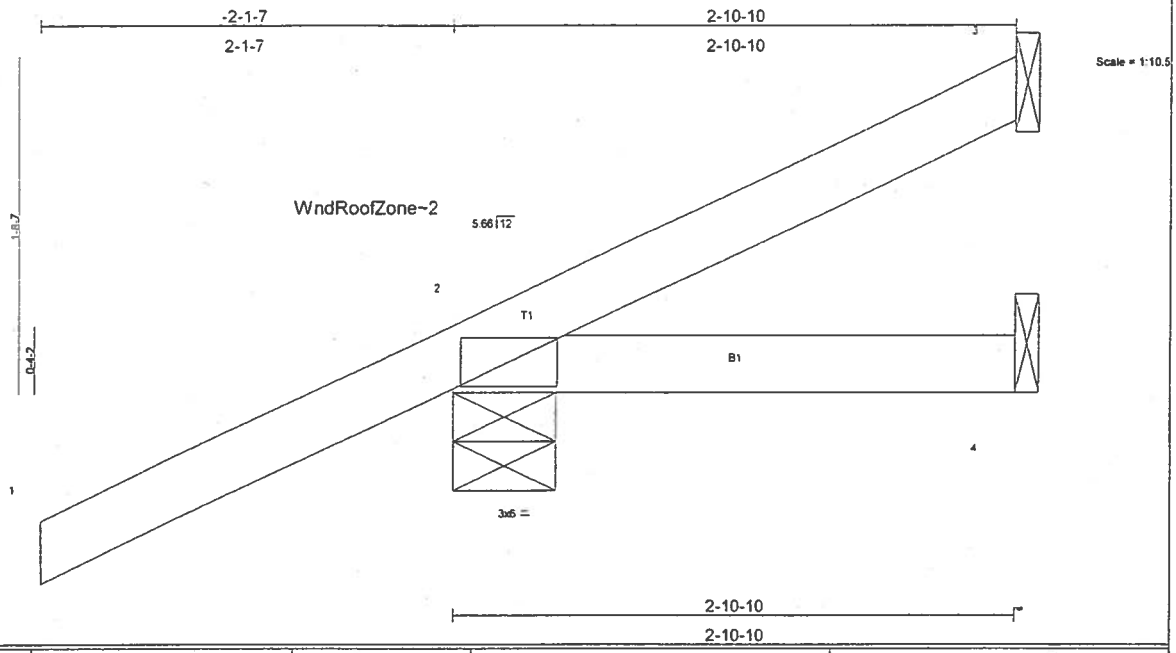

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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 2-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-25/Mechanical, 2=218/0-6-7, 4=18/Mechanical
Max Horz 2=79(load case 4)
Max Uplift3=-25(load case 1), 2=-204(load case 4)
Max Grav 3=59(load case 2), 2=218(load case 1), 4=18(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-38/27
BOT CHORD 2-4=0/0

NOTES
1) 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; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3 and 204 lb uplift at joint 2.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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)-to-3=-39(F=8, B=8), 2=0(F=15, B=15)-to-4=-22(F=4, B=4)

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071399

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	HJ9	JACK	3	1	Job Reference (optional)

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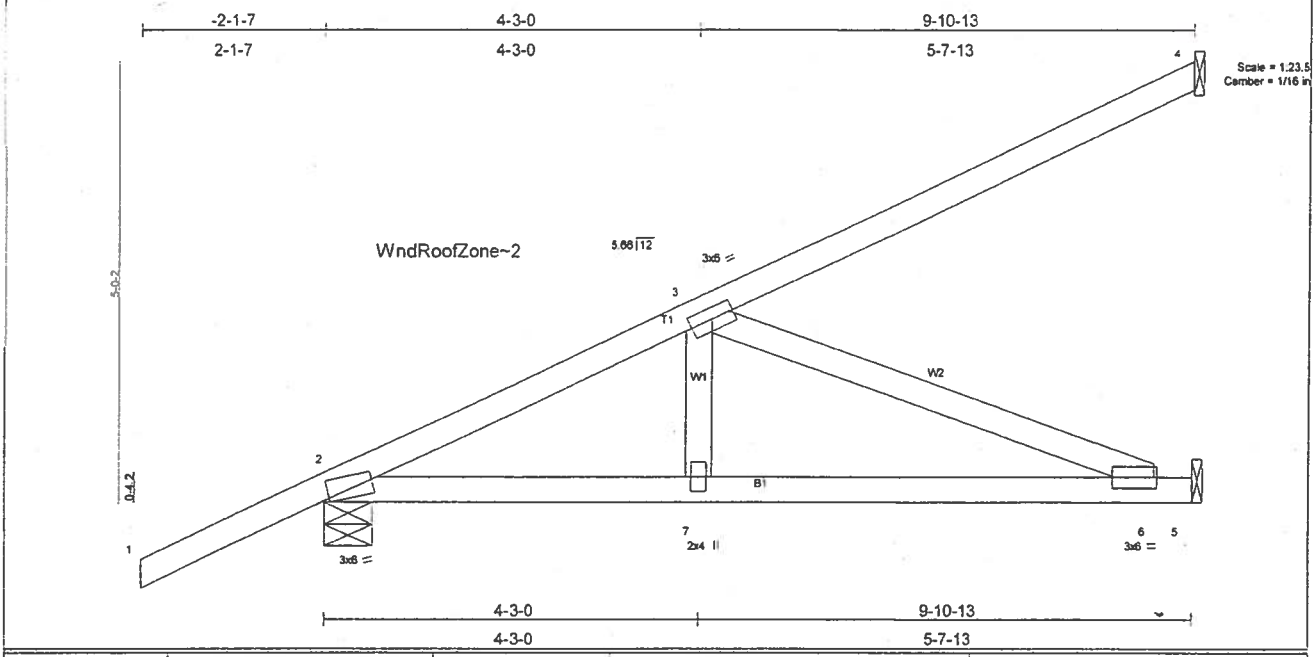


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.17	6-7	>672	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=266/Mechanical, 2=488/0-6-7, 5=386/Mechanical
Max Horz 2=343(load case 4)
Max Uplift4=-266(load case 4), 2=-187(load case 4), 5=-96(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-741/57, 3-4=-149/83
BOT CHORD 2-7=-330/657, 6-7=-330/657, 5-6=0/0
WEBS 3-7=0/210, 3-6=-705/355

NOTES
1) 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; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 4, 187 lb uplift at joint 2 and 96 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

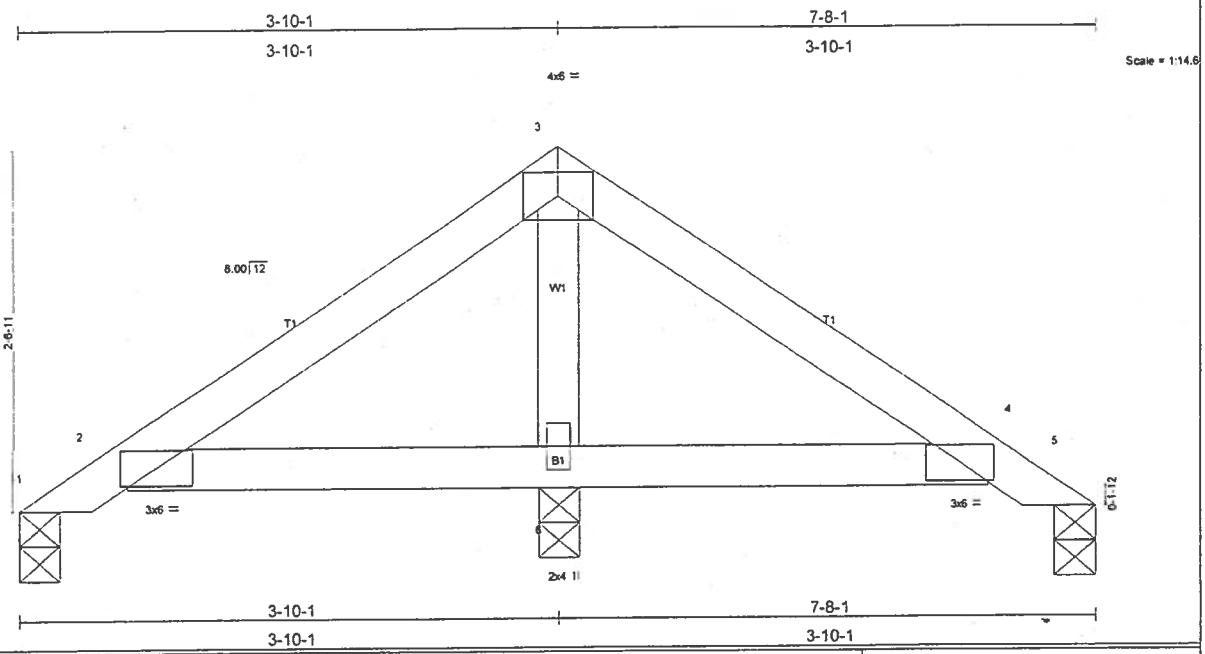
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071400

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	PB05	PIGGYBACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:53 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 1=40/0-3-8, 5=40/0-3-8, 6=517/0-3-8
Max Horz 1=85(load case 4)
Max Uplift1=-13(load case 6), 5=-35(load case 3), 6=-171(load case 5)
Max Grav 1=64(load case 9), 5=64(load case 10), 6=517(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/78, 2-3=-72/215, 3-4=-59/215, 4-5=-31/23
BOT CHORD 2-6=-131/99, 4-6=-131/99
WEBS 3-6=-378/175

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 35 lb uplift at joint 5 and 171 lb uplift at joint 6.

LOAD CASE(S) Standard

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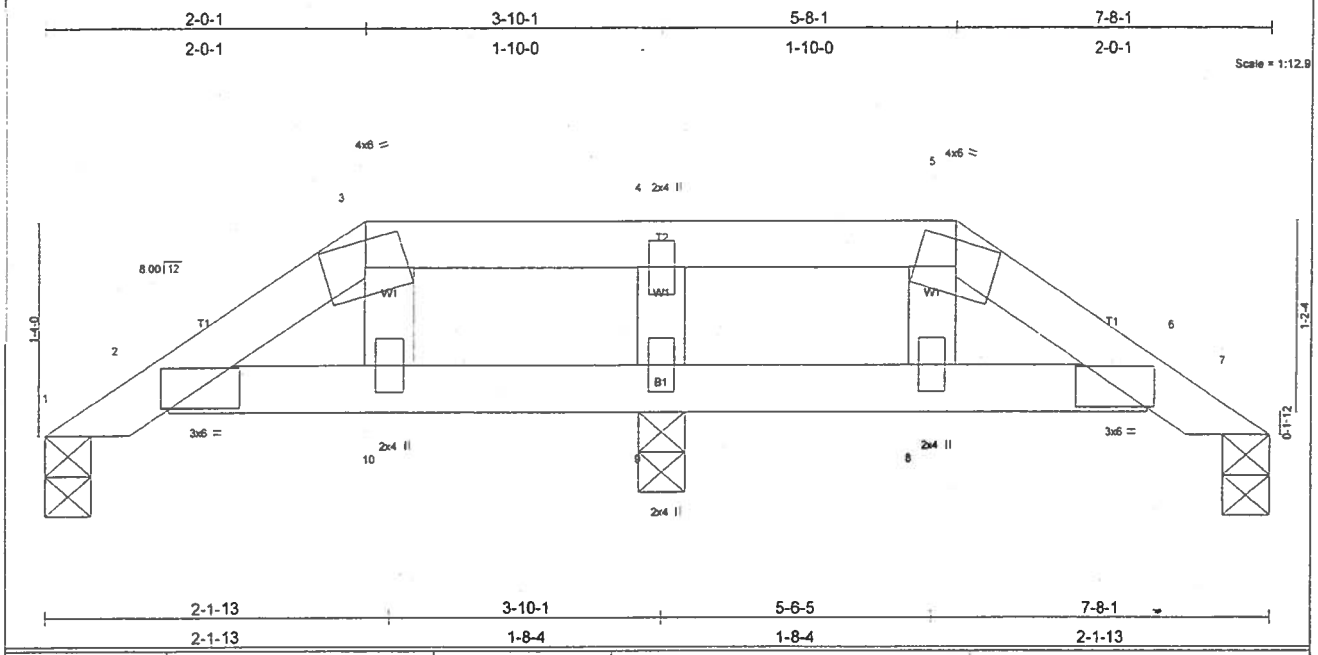
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071401

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	PB05A	HIP CAP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:55 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.01	10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

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

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

REACTIONS (lb/size) 1=131/0-3-8, 7=131/0-3-8, 9=334/0-3-8
Max Horz 1=43(load case 4)
Max Uplift1=-47(load case 5), 7=-51(load case 6), 9=-122(load case 4)
Max Grav 1=134(load case 9), 7=134(load case 10), 9=334(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-65/42, 2-3=-108/48, 5-6=-108/43, 6-7=-65/31, 3-4=-83/52, 4-5=-83/52
BOT CHORD 2-10=-36/83, 9-10=-31/83, 8-9=-31/83, 6-8=-33/83
WEBS 3-10=-2/31, 5-8=-2/27, 4-9=-178/109

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 1, 51 lb uplift at joint 7 and 122 lb uplift at joint 9.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071402

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T01	SPECIAL	1	3	Job Reference (optional)

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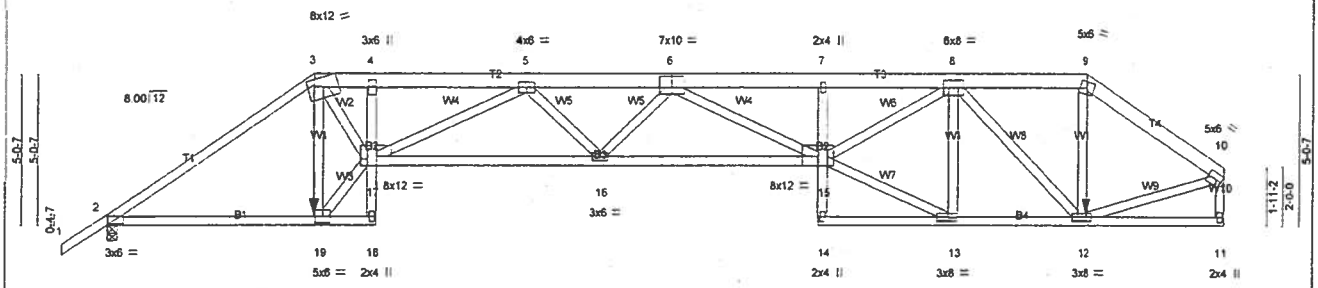
1-6-0	7-0-0	9-0-0	13-10-11	18-9-5	23-8-0	28-2-0	32-8-0	37-4-0
1-6-0	7-0-0	2-0-0	4-10-11	4-10-11	4-10-11	4-6-0	4-6-0	4-8-0

Scale = 1:68.6
Camber = 1/4 in



7-0-0	9-0-0	16-4-0	23-8-0	28-2-0	32-8-0	37-4-0
7-0-0	2-0-0	7-4-0	7-4-0	4-6-0	4-6-0	4-8-0

Plate Offsets (X,Y): [2:0-6-7,0-0-10], [6:0-5-0,0-4-8], [13:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.41	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.66	15-16	>669	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.83	Horz(TL)	0.33	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 724 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=3278/0-4-0, 11=3419/Mechanical
Max Horz 2=249(load case 4)
Max Uplift2=-1361(load case 3), 11=-1375(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-5293/2305, 3-4=-8580/3991, 4-5=-8829/4104, 5-6=-11736/5415, 6-7=-11212/5150, 7-8=-11006/5083, 8-9=-3279/1422, 9-10=-3945/1692, 10-11=-3339/1384
BOT CHORD 2-19=-2041/4288, 18-19=-135/194, 17-18=-76/60, 4-17=-418/272, 16-17=-5290/11195, 15-16=-5630/11972, 14-15=-36/160, 7-15=-522/341, 13-14=-102/207, 12-13=-2389/5228, 11-12=-51/132
WEBS 3-19=-3924/1962, 17-19=-2841/6116, 3-17=-3686/7778, 5-17=-2715/1290, 5-16=-252/834, 6-16=-382/251, 6-15=-859/492, 13-15=-2517/5525, 8-15=-3170/6773, 8-13=-2033/1014, 8-12=-2857/1401, 9-12=-802/1759, 10-12=-1475/3268

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1361 lb uplift at joint 2 and 1375 lb uplift at joint 11.
8) Girder carries tie-in span(s): 6-2-1 from 9-0-0 to 23-8-0; 2-10-10 from 9-0-0 to 23-8-0
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 256 lb up at 7-0-0, and 539 lb down and 256 lb up at 32-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-117(F=-63), 4-7=-135(F=-81), 7-9=-117(F=-63), 9-10=-54, 2-19=-30, 18-19=-65(F=-35), 15-17=-42(F=-12), 12-14=-65(F=-35), 11-12=-30
Concentrated Loads (lb)
Vert: 19=-539(F) 12=-539(F)

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

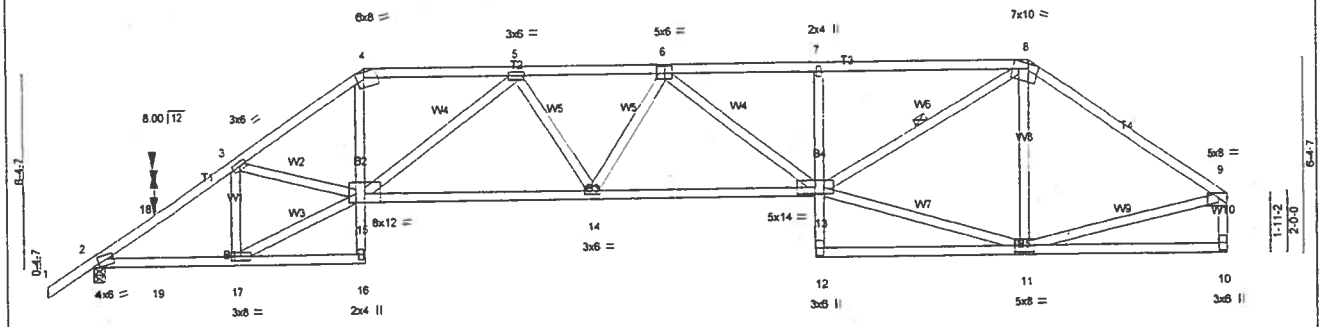
Dwg.#0223071403

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:07:58 2007 Page 1

-1-6-0	2-0-8	4-8-7	9-0-0	13-10-11	18-9-5	23-8-0	30-8-0	37-4-0
1-6-0	2-0-8	2-7-15	4-3-9	4-10-11	4-10-11	4-10-11	7-0-0	6-8-0

Scale = 1:67.7
Camber = 1/4 in



2-0-8	4-8-7	9-0-0	16-4-0	23-8-0	30-8-0	37-4-0
2-0-8	2-7-15	4-3-9	7-4-0	7-4-0	7-0-0	6-8-0

Plate Offsets (X,Y): [2:0-2-1,0-0-10], [4:0-3-0,Edge], [6:0-3-0,0-3-0], [8:0-4-0,Edge], [9:0-3-8,Edge], [17:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.38	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.61	13-14	>723	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.73	Horz(TL)	0.28	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-7 oc bracing.
WEBS 1 Row at midpt 8-13

REACTIONS (lb/size) 2=1673/0-4-0, 10=1554/Mechanical
Max Horz 2=226(load case 3)
Max Uplift2=-578(load case 3), 10=-523(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-18=-2471/862, 3-18=-2410/859, 3-4=-3210/1297, 4-5=-2594/1103, 5-6=-3487/1456, 6-7=-3305/1349, 7-8=-3282/1363, 8-9=-1821/669, 9-10=-1452/537
BOT CHORD 2-19=-854/1972, 17-19=-854/1972, 16-17=-31/31, 15-16=0/64, 4-15=-554/1486, 14-15=-1447/3295, 13-14=-1522/3531, 12-13=0/100, 7-13=-336/302, 11-12=-16/87, 10-11=-112/167
WEBS 3-17=-786/415, 15-17=-914/2154, 3-15=-287/690, 5-15=-975/573, 5-14=-150/417, 6-14=-132/203, 6-13=-320/202, 11-13=-493/1416, 8-13=-1038/2165, 8-11=-529/327, 9-11=-569/1310

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 578 lb uplift at joint 2 and 523 lb uplift at joint 10.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 29 lb up at 2-0-8 on top chord, and 45 lb down and 21 lb up at 2-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-8=-54, 8-9=-54, 2-16=-30, 13-15=-30, 10-12=-30
Concentrated Loads (lb)
Vert: 18=17(F) 19=-45(F)
2) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-4=-12, 4-8=46, 8-9=22, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-18, 2-4=4, 8-9=31
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=29(F) 19=21(F)
3) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 2

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE'60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071404

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T02	SPECIAL	1	1	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=15, 2-4=22, 4-8=46, 8-9=-12, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-23, 2-4=-31, 8-9=-4
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=29(F) 19=21(F)
4) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=56, 2-4=38, 4-8=24, 8-9=24, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-65, 2-4=-46, 8-9=32
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=28(F) 19=17(F)
5) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=17, 2-4=24, 4-8=24, 8-9=38, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-25, 2-4=-32, 8-9=46
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=28(F) 19=17(F)
6) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=36, 2-4=18, 4-8=12, 8-9=12, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-45, 2-4=-26, 8-9=20
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=26(F) 19=6(F)
7) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-4=12, 4-8=12, 8-9=18, 2-16=-6, 13-15=-6, 10-12=-6
Horz: 1-2=-14, 2-4=-20, 8-9=26
Drag: 4-5=-0, 7-8=0
Concentrated Loads (lb)
Vert: 18=26(F) 19=6(F)
8) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-8=-54, 8-9=-14, 2-16=-30, 13-15=-30, 10-12=-30
Concentrated Loads (lb)
Vert: 18=17(F) 19=-45(F)
9) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-8=-54, 8-9=-54, 2-16=-30, 13-15=-30, 10-12=-30
Concentrated Loads (lb)
Vert: 18=17(F) 19=-45(F)

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071405

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T03	SPECIAL	1	1	Job Reference (optional)

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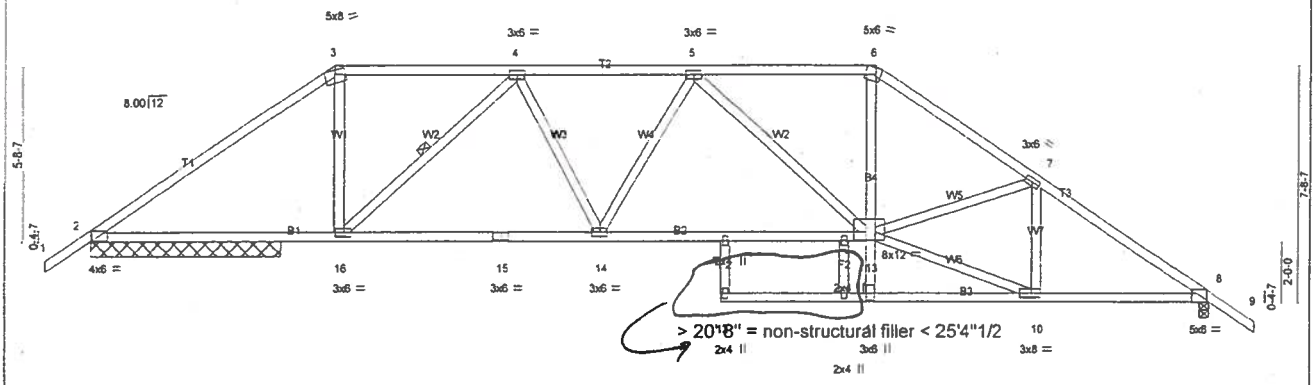
-1-6-0 | 8-0-0 | 13-10-11 | 19-9-5 | 25-8-0 | 30-11-9 | 36-8-0 | 38-2-0

1-6-0 | 8-0-0 | 5-10-11 | 5-10-11 | 5-10-11 | 5-3-9 | 5-8-7 | 1-6-0

Scale = 1:67.3
Camber = 7/16 in



8-0-0 | 16-8-4 | 20-8-0 | 25-4-8 | 30-11-9 | 36-8-0

8-0-0 | 8-8-4 | 3-11-12 | 4-8-8 | 5-7-1 | 5-8-7

Plate Offsets (X,Y): [2:0-0-7,0-0-2], [6:0-2-0,Edge], [8:0-0-13,Edge], [10:0-3-8,0-1-8], [13:0-4-9,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.65	12	>676	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-1.09	12	>400	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.19	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 213 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 13-14
WEBS 1 Row at midpt 4-16
JOINTS 1 Brace at Jt(s): 13

REACTIONS (lb/size) 2=1667/6-3-3, 8=1716/0-4-0
Max Horz 2=-254(load case 3)
Max Uplift2=-489(load case 5), 8=-530(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2439/721, 3-4=-1956/672, 4-5=-2731/885, 5-6=-2474/749, 6-7=-2991/831, 7-8=-2550/701, 8-9=0/45
BOT CHORD 2-16=-680/1932, 15-16=-878/2572, 14-15=-878/2572, 13-14=-839/2759, 11-13=0/251, 6-13=-258/1314, 11-12=0/0, 10-11=-136/0, 8-10=-484/2028
WEBS 3-16=-278/921, 4-16=-953/504, 4-14=-43/379, 5-14=-84/100, 5-13=-494/429, 10-13=-461/2304, 7-13=-245/499, 7-10=-646/184

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 2 and 530 lb uplift at joint 8.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

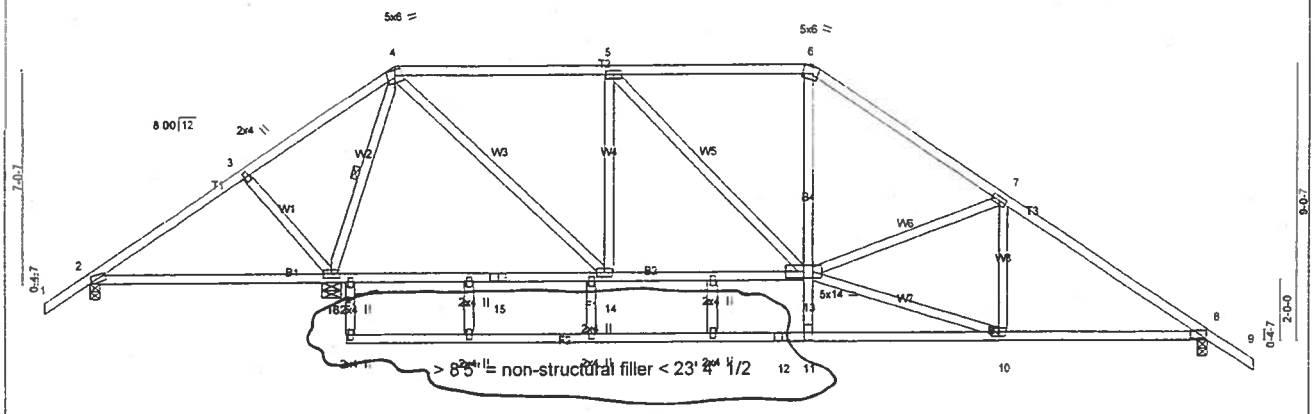
Dwg.#0223071406

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T04	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:00 2007 Page 1

1-6-0	5-2-7	10-0-0	17-0-0	23-8-0	29-11-9	36-8-0	38-2-0
1-6-0	5-2-7	4-9-9	7-0-0	6-8-0	6-3-9	6-8-7	1-6-0

Scale = 1:67.3
Camber = 1/16 in



7-11-9	8-5-0	17-0-0	23-4-8	29-11-9	36-8-0
7-11-9	0-5-7	8-7-0	6-4-8	6-7-1	6-8-7

Plate Offsets (X,Y): [2:0-0-13,0-0-6], [6:0-2-0,Edge], [8:0-6-7,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.19	2-16	>490	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	0.17	2-16	>559	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 246 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 2-16.
WEBS 1 Row at midpt 4-16
JOINTS 1 Brace at Jt(s): 14, 13

REACTIONS (lb/size) 2=121/0-4-0, 8=1221/0-4-0, 16=1916/0-7-3
Max Horz 2=-300(load case 3)
Max Uplift2=-250(load case 5), 8=-479(load case 6), 16=-637(load case 4)
Max Grav 2=182(load case 9), 8=1223(load case 10), 16=1916(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-109/432, 3-4=-103/566, 4-5=-933/470, 5-6=-1152/495, 6-7=-1463/527, 7-8=-1669/533, 8-9=0/45
BOT CHORD 2-16=-330/300, 15-16=-125/268, 14-15=-125/268, 13-14=-304/932, 11-13=0/116, 6-13=-72/420, 11-12=0/0, 10-11=-8/40, 8-10=-300/1299
WEBS 3-16=-238/267, 4-16=-1518/450, 4-14=-430/1243, 5-14=-613/365, 5-13=-123/322, 10-13=-314/1319, 7-13=-179/273, 7-10=-167/124

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 2, 479 lb uplift at joint 8 and 637 lb uplift at joint 16.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

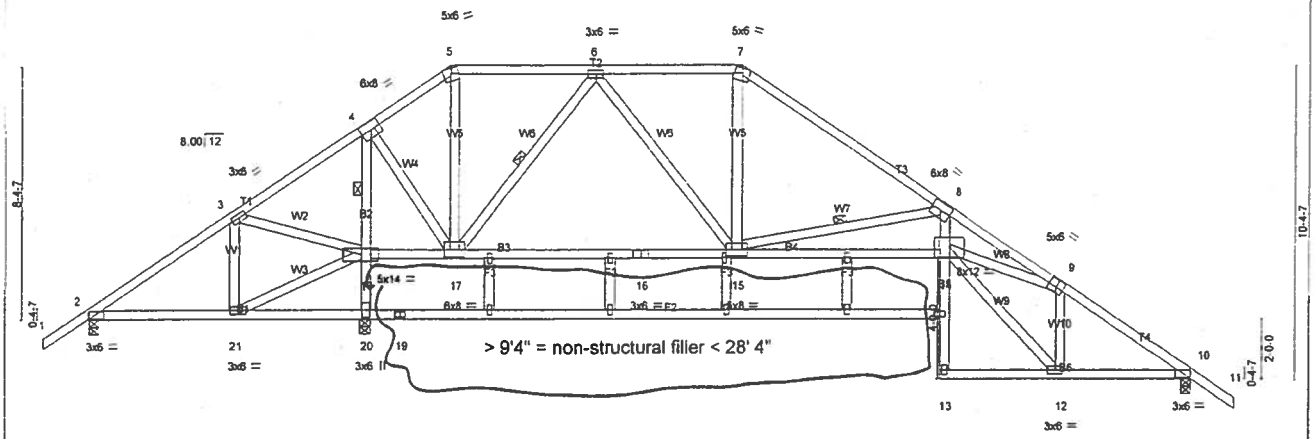
Dwg.#0223071407

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:02 2007 Page 1

1-6-0	4-10-7	9-4-0	12-0-0	16-10-0	21-8-0	28-4-0	32-3-9	36-8-0	38-2-0
1-6-0	4-10-7	4-5-9	2-8-0	4-10-0	4-10-0	6-8-0	3-11-9	4-4-7	1-6-0

Scale = 1:68.2
Camber = 3/16 in



4-10-7	9-4-0	12-0-0	21-8-0	28-4-0	32-3-9	36-8-0
4-10-7	4-5-9	2-8-0	9-8-0	6-8-0	3-11-9	4-4-7

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [9:0-3-0,0-3-0], [10:0-3-9,0-1-8], [15:0-2-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.35	14-15	>931	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.56	14-15	>580	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.31	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 270 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-18
WEBS 1 Row at midpt 6-17, 8-15
JOINTS 1 Brace at Jt(s): 18, 17, 15, 14

REACTIONS (lb/size) 2=-352/0-4-0, 20=2652/0-4-0, 10=967/0-4-0
Max Horz 2=-347(load case 3)
Max Uplift2=-593(load case 10), 20=-694(load case 5), 10=-448(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-36/1241, 3-4=-420/2220, 4-5=-44/706, 5-6=-12/574, 6-7=-669/331, 7-8=-896/312, 8-9=-3681/944, 9-10=-1288/488, 10-11=0/45
BOT CHORD 2-21=-996/377, 20-21=-36/9, 19-20=0/0, 18-20=-2567/671, 4-18=-2778/622, 17-18=-1806/765, 16-17=-262/332, 15-16=-262/332, 14-15=-630/3183, 13-14=0/69, 8-14=-337/1855, 12-13=-17/55, 10-12=-256/1002
WEBS 3-21=-296/630, 18-21=-1068/415, 3-18=-956/499, 4-17=-490/2163, 5-17=-569/117, 6-17=-1167/408, 6-15=-224/859, 7-15=-38/176, 8-15=-2574/843, 12-14=-362/1428, 9-14=-324/2072, 9-12=-940/306

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 593 lb uplift at joint 2, 694 lb uplift at joint 20 and 448 lb uplift at joint 10.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071408

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:03 2007 Page 1

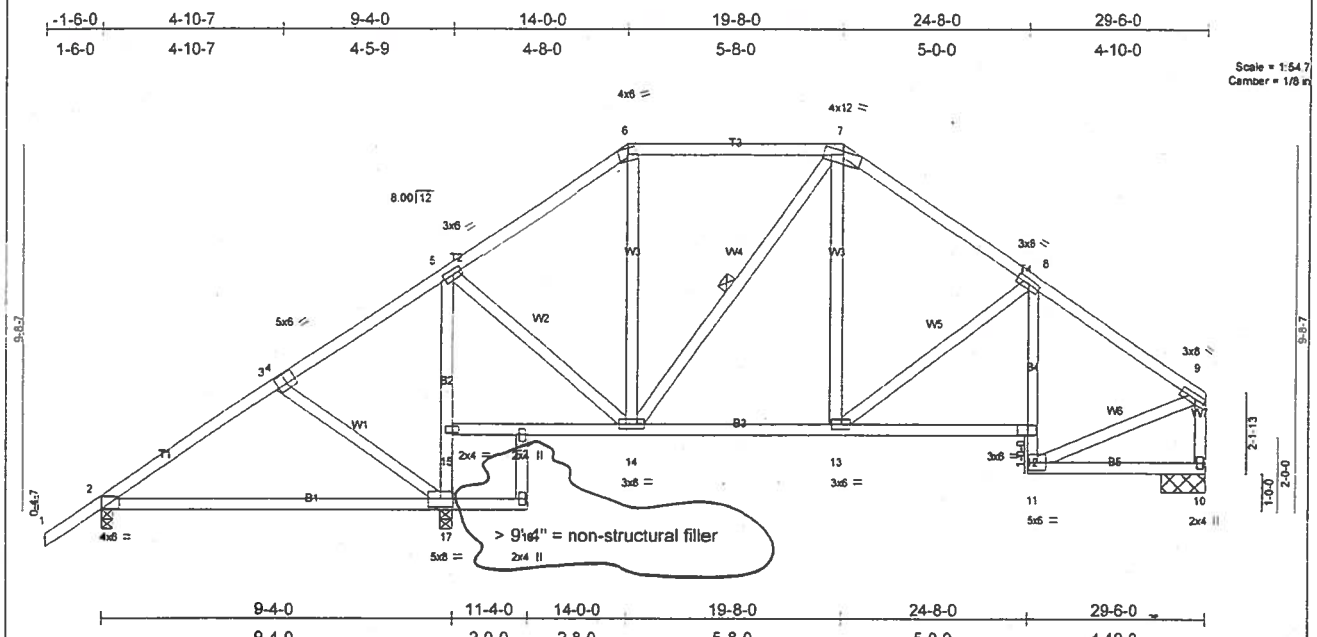


Plate Offsets (X,Y): [2:0-0-3,Edge], [4:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.30	2-17	>363	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	0.24	2-17	>451	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.08	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 189 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 7-14

REACTIONS (lb/size) 2=470/0-4-0, 10=847/1-2-0, 17=1289/0-4-0
Max Horz 2=337(load case 4)
Max Uplift2=-330(load case 5), 10=-300(load case 6), 17=-479(load case 5)
Max Grav 2=477(load case 9), 10=847(load case 1), 17=1289(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-340/327, 3-4=-126/342, 4-5=-121/362, 5-6=-610/344, 6-7=-450/336, 7-8=-808/367, 8-9=-869/328, 9-10=-839/329
BOT CHORD 2-17=-320/251, 16-17=0/0, 15-17=-933/254, 5-15=-856/267, 14-15=-149/52, 13-14=-119/613, 12-13=-228/754, 11-12=-133/70, 8-12=-100/98, 10-11=-29/43
WEBS 3-17=-255/254, 5-14=-79/537, 6-14=-64/146, 7-14=-306/92, 7-13=-100/330, 8-13=-188/195, 9-11=-184/669

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 330 lb uplift at joint 2, 300 lb uplift at joint 10 and 479 lb uplift at joint 17.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877. BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071409

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:04 2007 Page 1

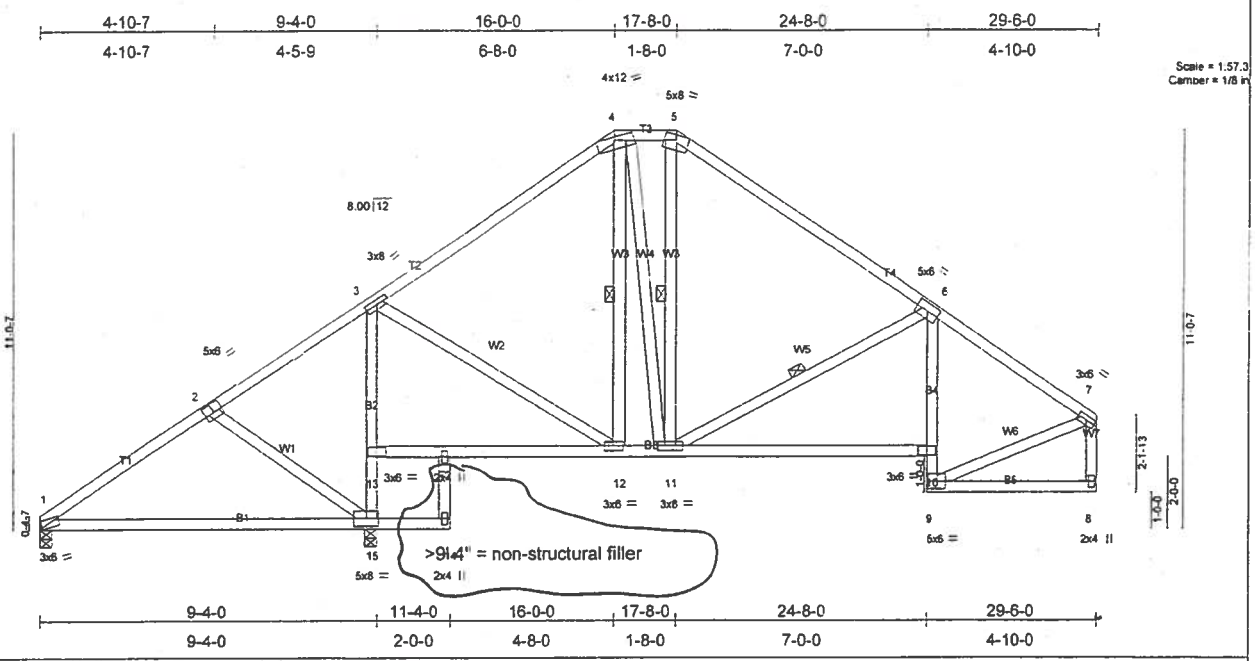


Plate Offsets (X Y) [1:Edge,0-2-10], [2:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.33	1-15	>327	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	0.27	1-15	>405	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 196 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
9-9-0 oc bracing: 1-15
6-0-0 oc bracing: 9-10.
WEBS 1 Row at midpt 4-12, 5-11, 6-11

REACTIONS (lb/size) 1=365/0-4-0, 8=844/Mechanical, 15=1307/0-4-0
Max Horz 1=361(load case 4)
Max Uplift1=-301(load case 6), 8=-321(load case 6), 15=-506(load case 5)
Max Grav 1=371(load case 9), 8=844(load case 1), 15=1307(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-329/395, 2-3=-123/429, 3-4=-665/383, 4-5=-509/401, 5-6=-723/370, 6-7=-873/355, 7-8=-843/351
BOT CHORD 1-15=-346/245, 14-15=0/0, 13-15=-945/269, 3-13=-835/289, 12-13=-185/77, 11-12=-101/461, 10-11=-278/805, 9-10=-135/85, 6-10=-52/115, 8-9=-19/32
WEBS 2-15=-254/259, 3-12=0/464, 4-12=-174/8, 5-11=-139/243, 6-11=-350/269, 7-9=-225/691, 4-11=-183/396

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 1, 321 lb uplift at joint 8 and 506 lb uplift at joint 15.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071410

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T08	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:06 2007 Page 1

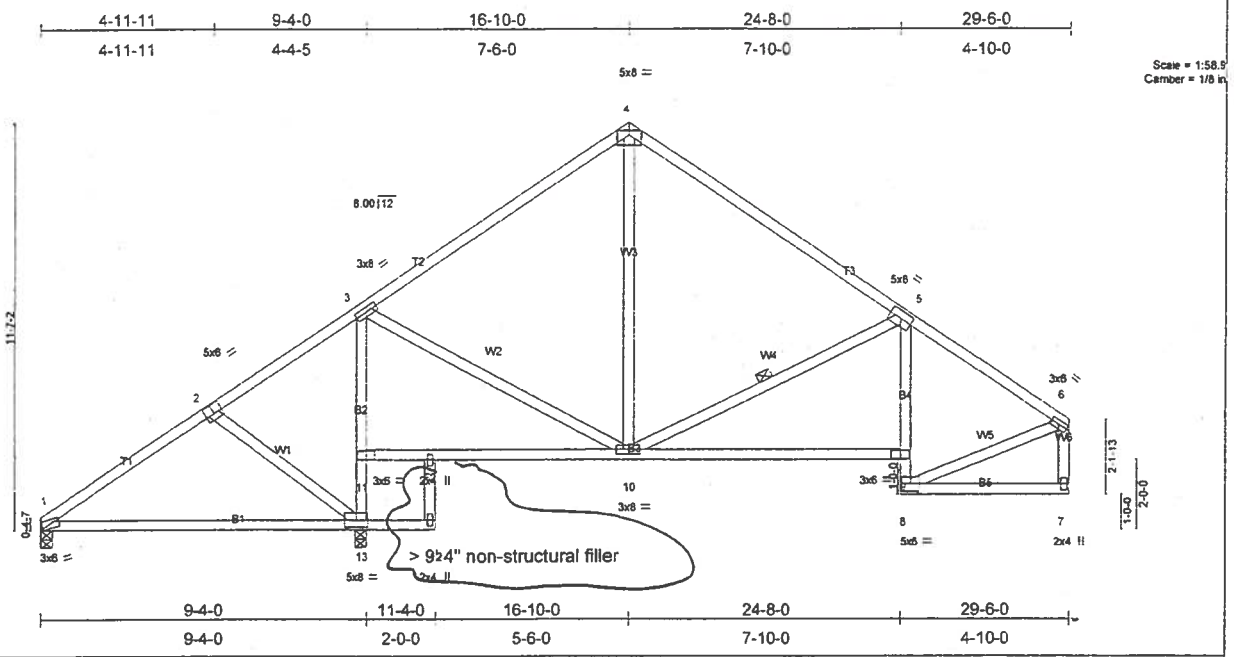


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.34	1-13	>323	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	0.27	1-13	>400	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.09	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 174 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS (lb/size) 1=366/0-4-0, 7=845/Mechanical, 13=1305/0-4-0
Max Horz 1=380(load case 4)
Max Uplift1=-307(load case 6), 7=-315(load case 6), 13=-514(load case 5)
Max Grav 1=373(load case 9), 7=845(load case 1), 13=1305(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-325/417, 2-3=-138/447, 3-4=-690/384, 4-5=-699/348, 5-6=-876/350, 6-7=-846/345
BOT CHORD 1-13=-342/239, 12-13=0/0, 11-13=-840/275, 3-11=-836/297, 10-11=-190/95, 9-10=-285/819, 8-9=-135/87, 5-9=-40/115, 7-8=-15/28
WEBS 2-13=-249/251, 3-10=0/471, 4-10=-134/252, 5-10=-415/307, 6-8=-228/697

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 1, 315 lb uplift at joint 7 and 514 lb uplift at joint 13.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE-56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS. INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071411

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:07 2007 Page 1

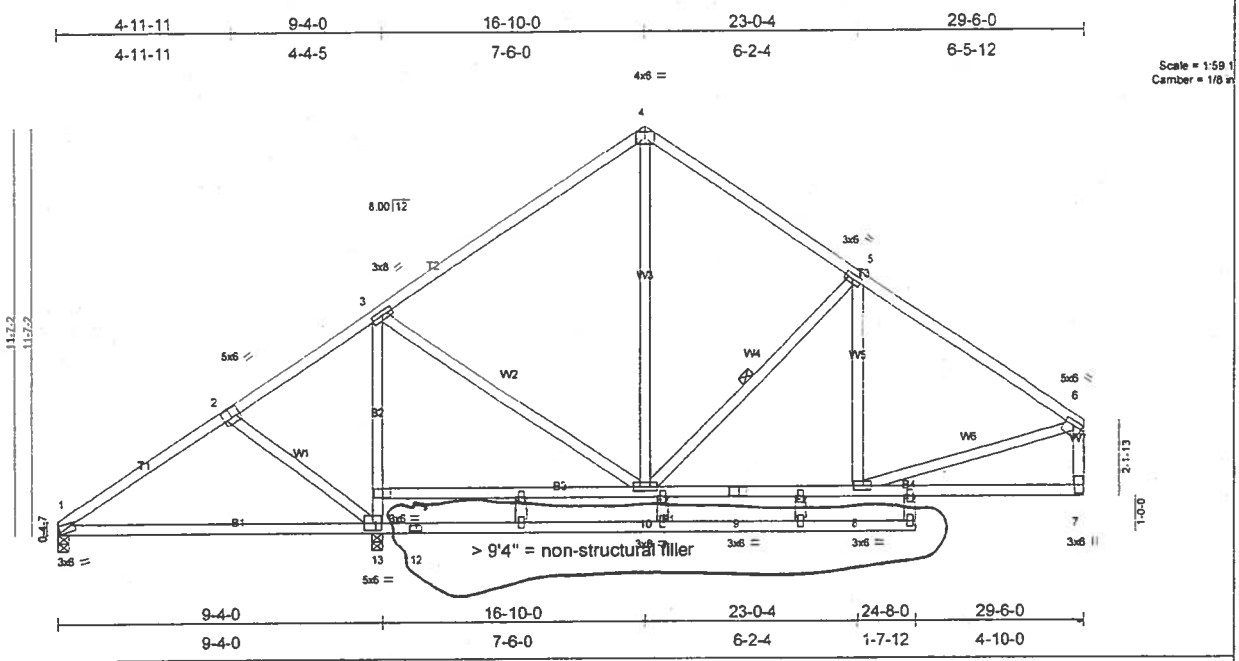


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-3-0,0-3-0], [4:0-2-15,Edge], [6:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.33	1-13	>326	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	0.27	1-13	>402	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 202 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-6 oc bracing.
WEBS 1 Row at midpt 5-10
JOINTS 1 Brace at Jt(s): 11, 10

REACTIONS (lb/size) 1=408/0-4-0, 13=1218/0-4-0, 7=861/Mechanical
Max Horz 1=380(load case 4)
Max Uplift1=-326(load case 6), 13=-462(load case 5), 7=-324(load case 6)
Max Grav 1=412(load case 9), 13=1218(load case 1), 7=861(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-394/441, 2-3=-189/462, 3-4=-647/394, 4-5=-618/378, 5-6=-879/358, 6-7=-762/338
BOT CHORD 1-13=-424/295, 12-13=0/0, 11-13=-885/222, 3-11=-766/242, 10-11=-265/140, 9-10=-192/653, 8-9=-192/653, 7-8=-82/139
WEBS 2-13=-241/243, 3-10=0/378, 4-10=-200/257, 5-10=-335/252, 5-8=0/84, 6-8=-134/537

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left 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.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 1, 462 lb uplift at joint 13 and 324 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071412

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T10	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:08 2007 Page 1

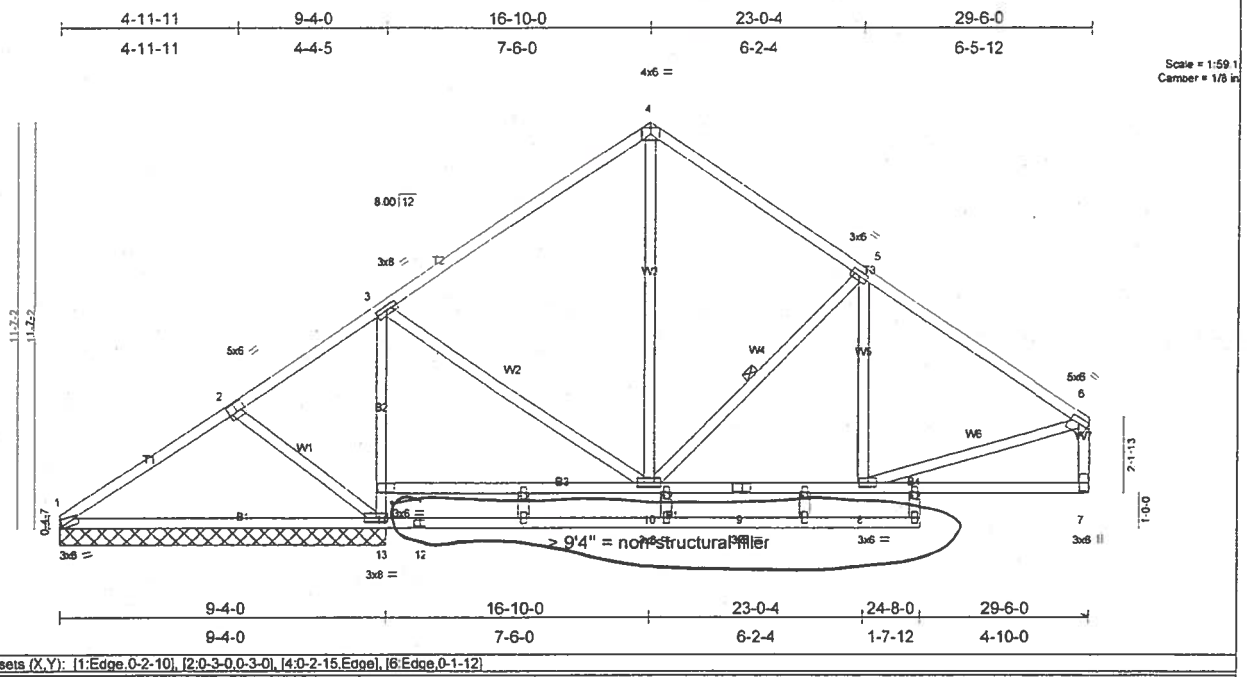


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-3-0,0-3-0], [4:0-2-15,Edge], [6:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.16	1-13	>698	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.27	1-13	>408	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 202 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10
JOINTS 1 Brace at Jt(s): 11, 10

REACTIONS (lb/size) 1=418/9-4-0, 13=1220/9-4-0, 7=863/Mechanical
Max Horz 1=380(load case 4)
Max Uplift1=-134(load case 6), 13=-466(load case 5), 7=-289(load case 6)
Max Grav 1=422(load case 9), 13=1220(load case 1), 7=863(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-410/216, 2-3=-239/255, 3-4=-649/342, 4-5=-621/326, 5-6=-881/314, 6-7=-764/302
BOT CHORD 1-13=-193/311, 12-13=0/0, 11-13=-877/359, 3-11=-758/380, 10-11=-70/147, 9-10=-155/654, 8-9=-155/654, 7-8=-82/139
WEBS 2-13=-253/219, 3-10=0/373, 4-10=-143/260, 5-10=-334/262, 5-8=0/84, 6-8=-77/539

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) All plates are 2x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 1, 466 lb uplift at joint 13 and 289 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071413

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T11	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:09 2007 Page 1

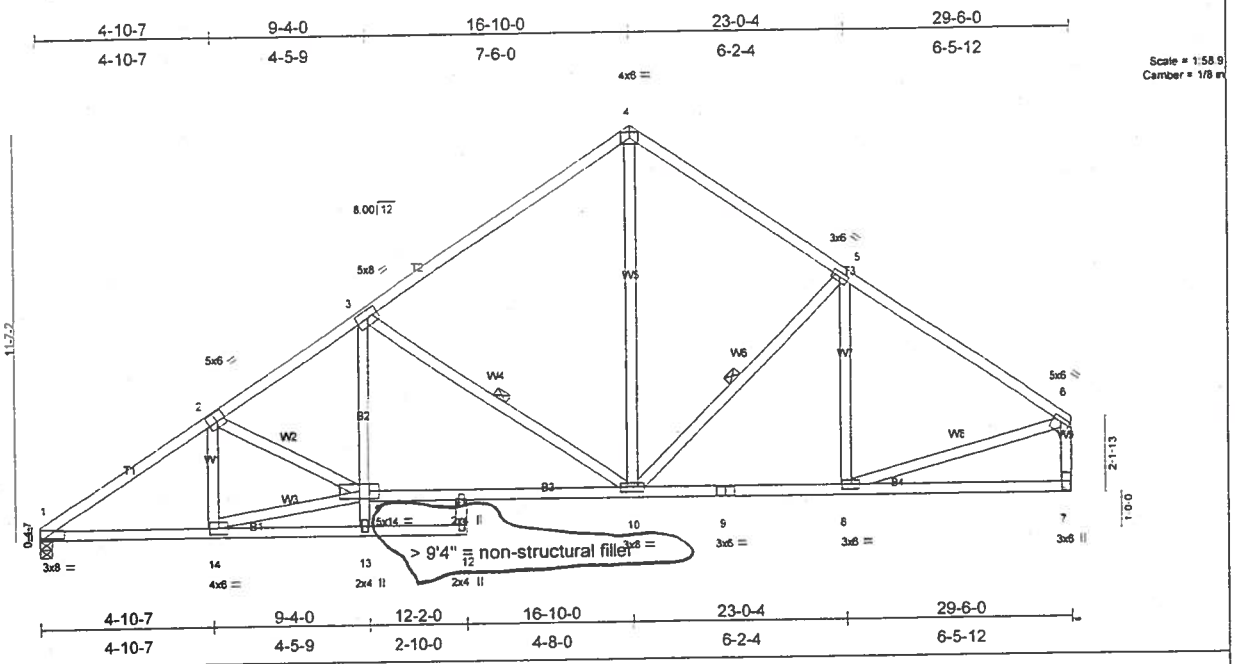


Plate Offsets (X,Y): [1:0-8-3,0-0-10], [2:0-3-0,0-3-0], [6:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.19	12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.31	12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 190 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 5-10

REACTIONS (lb/size) 1=1283/0-4-0, 7=1258/Mechanical
Max Horz 1=380(load case 4)
Max Uplift1=-379(load case 5), 7=-366(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2002/569, 2-3=-2026/627, 3-4=-1230/456, 4-5=-1202/494, 5-6=-1369/424, 6-7=-1157/379
BOT CHORD 1-14=-633/1584, 13-14=-108/0, 12-13=0/0, 11-13=0/168, 3-11=-115/643, 10-11=-582/1674, 9-10=-272/1059, 8-9=-272/1059, 7-8=-84/147
WEBS 2-14=-250/138, 11-14=-542/1680, 2-11=0/93, 3-10=-899/453, 4-10=-279/850, 5-10=-259/239, 5-8=-105/108, 6-8=-222/953

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 1 and 366 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071414

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:10 2007 Page 1

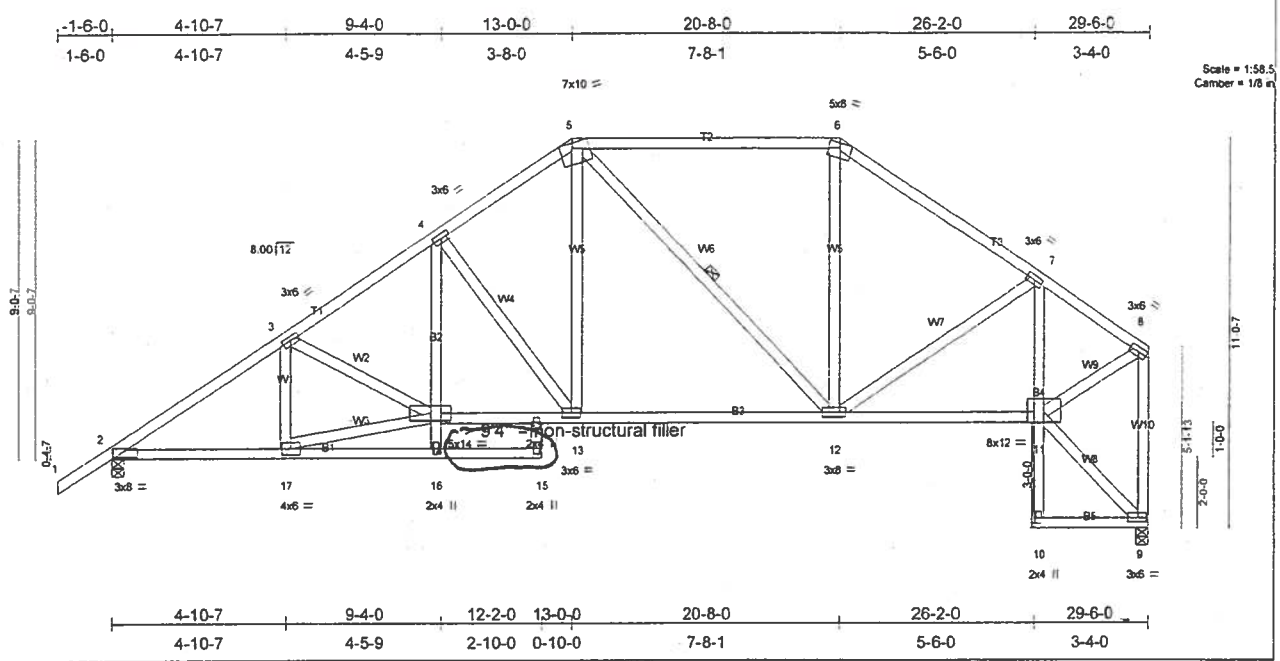


Plate Offsets (X,Y): [2:0-8-3,0-0-10], [5:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.18	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.30	15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.12	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 213 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-6-8 oc bracing: 2-17
6-0-0 oc bracing: 9-10
WEBS 1 Row at midpt 5-12
JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 2=1378/0-4-0, 9=1255/0-4-0
Max Horz 2=314(load case 4)
Max Uplift2=-461(load case 5), 9=-343(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1981/514, 3-4=-1988/575, 4-5=-1515/503, 5-6=-1053/412, 6-7=-1330/418, 7-8=-1121/321, 8-9=-1211/347
BOT CHORD 2-17=-550/1567, 16-17=-55/41, 15-16=0/0, 14-16=0/174, 4-14=-127/546, 13-14=-469/1591, 12-13=-386/1248, 11-12=-241/920, 10-11=0/42, 7-11=-407/161, 9-10=-6/4
WEBS 3-17=-245/152, 14-17=-509/1569, 3-14=-59/96, 4-13=-586/290, 5-13=-196/669, 5-12=-363/195, 6-12=-54/327, 7-12=-192/242, 8-11=-265/1043, 9-11=-5/12

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 2 and 343 lb uplift at joint 9.

LOAD CASE(S) Standard

2'-8-4 =non-structural filler

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877. BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS. INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ. FL 33549

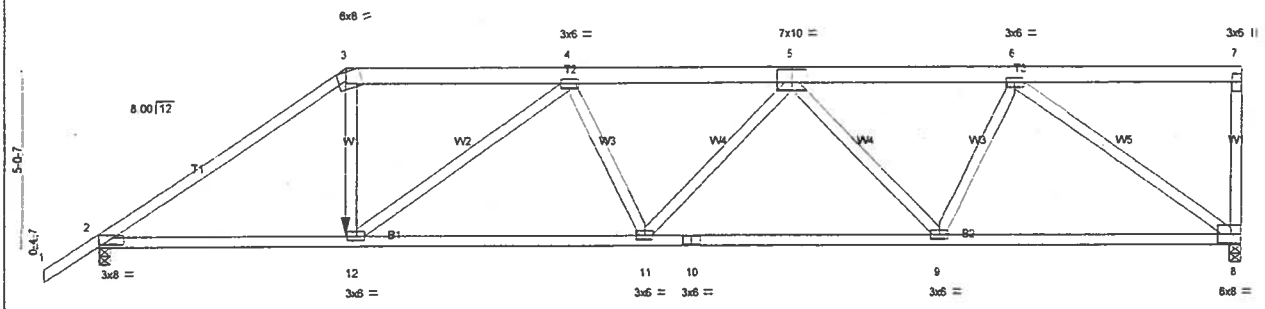
Dwg.#0223071415

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T13	MONO HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:11 2007 Page 1

-1-6-0	7-0-0	13-3-10	19-7-4	25-10-14	32-6-0
1-6-0	7-0-0	6-3-10	6-3-10	6-3-10	6-7-2

Scale = 1:58.4
Camber = 1/8 in



7-0-0	15-4-13	23-9-11	32-6-0
7-0-0	8-4-13	8-4-13	8-8-5

Plate Offsets (X,Y): [2:0-8-3,0-0-14], [3:0-2-12,Edge], [5:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.21	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.35	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 381 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-1 oc bracing.

REACTIONS (lb/size) 8=2971/0-4-0, 2=2841/0-4-0
Max Horz 2=275(load case 4)
Max Uplift8=-1551(load case 5), 2=-1352(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-4558/2253, 3-4=-3746/1953, 4-5=-5229/2674, 5-6=-4067/2057, 6-7=-116/14, 7-8=-359/298
BOT CHORD 2-12=-1924/3683, 11-12=-2731/5107, 10-11=-2660/4977, 9-10=-2660/4977, 8-9=-1810/3359
WEBS 3-12=-876/2020, 4-12=-1807/1000, 4-11=0/322, 5-11=-41/398, 5-9=-1358/901, 6-9=-600/1725, 6-8=-4002/2216

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1551 lb uplift at joint 8 and 1352 lb uplift at joint 2.
7) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 346 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-7=-117(F=-63), 2-12=-30, 8-12=-65(F=-35)
Concentrated Loads (lb)
Vert: 12=-539(F)

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS. INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

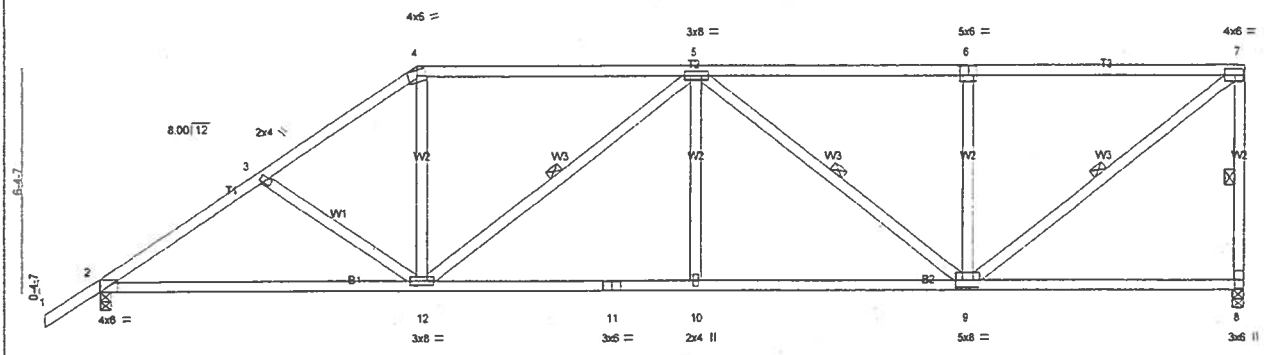
Dwg.#0223071416

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T14	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:12 2007 Page 1

-1-6-0	4-8-7	9-0-0	16-10-9	24-7-7	32-6-0
1-6-0	4-8-7	4-3-9	7-10-9	7-8-13	7-10-9

Scale = 1:58.4
Camber = 1/8 in



9-0-0	16-10-9	24-7-7	32-6-0
9-0-0	7-10-9	7-8-13	7-10-9

Plate Offsets (X,Y): [2:0-0-3,Edge], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.18	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.31	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-4 oc bracing.
WEBS 1 Row at midpt 7-8, 5-12, 5-9, 7-9

REACTIONS (lb/size) 8=1350/0-4-0, 2=1444/0-4-0
Max Horz 2=341(load case 5)
Max Uplift8=-568(load case 3), 2=-462(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2013/575, 3-4=-1831/571, 4-5=-1496/521, 5-6=-1375/559, 6-7=-1375/559, 7-8=-1237/582
BOT CHORD 2-12=-631/1614, 11-12=-698/1848, 10-11=-698/1848, 9-10=-698/1848, 8-9=-24/50
WEBS 3-12=-161/200, 4-12=-110/636, 5-12=-448/358, 5-10=0/220, 5-9=-601/217, 6-9=-431/370, 7-9=-681/1685

NOTES
1) 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 Interior(1) 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.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 568 lb uplift at joint 8 and 462 lb uplift at joint 2.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877. BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ. FL 33549

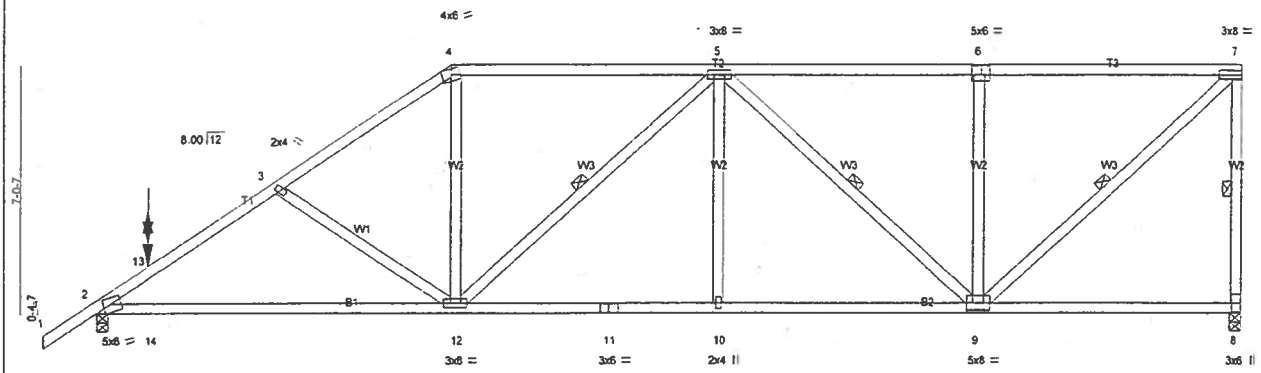
Dwg.#0223071417

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T15	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:13 2007 Page 1

-1-6-0	1-6-8	5-2-7	10-0-0	17-6-9	24-11-7	32-6-0
1-6-0	1-6-8	3-7-15	4-9-9	7-6-9	7-4-13	7-6-9

Scale = 1:58.4
Camber = 3/16 in



1-6-8	10-0-0	17-6-9	24-11-7	32-6-0
1-6-8	8-5-8	7-6-9	7-4-13	7-6-9

Plate Offsets (X,Y): [2:0-3-1,Edge], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.27	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.43	2-12	>895	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 192 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-0 oc bracing.
WEBS 1 Row at midpt 7-8, 5-12, 5-9, 7-9

REACTIONS (lb/size) 8=1348/0-4-0, 2=1414/0-4-0
Max Horz 2=372(load case 4)
Max Uplift8=-554(load case 2), 2=-539(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-13=-1943/592, 3-13=-1934/572, 3-4=-1768/553, 4-5=-1429/503, 5-6=-1197/472, 6-7=-1199/474, 7-8=-1242/568
BOT CHORD 2-14=-689/1585, 12-14=-689/1585, 11-12=-609/1648, 10-11=-609/1648, 9-10=-609/1648, 8-9=-18/38
WEBS 3-12=-204/258, 4-12=-111/600, 5-12=-296/304, 5-10=0/200, 5-9=-610/226, 6-9=-415/355, 7-9=-617/1571

NOTES
1) 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; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 554 lb uplift at joint 8 and 539 lb uplift at joint 2.
4) Load case(s) 1, 2, 3, 4, 5, 6, 7 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb up at 1-6-8 on top chord, and 32 lb down and 15 lb up at 1-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-8=-30
Concentrated Loads (lb)
Vert: 13=64(F) 14=-32(F)
2) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-4=-12, 4-7=46, 2-8=-6
Horz: 1-2=-18, 2-4=4
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=15(F)
3) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-4=18, 4-7=38, 2-8=-6
Horz: 1-2=-20, 2-4=-26
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=12(F)
4) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 2

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071418

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T15	MONO HIP	1	1	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=56, 2-4=38, 4-7=24, 2-8=-6
Horz: 1-2=-65, 2-4=-46
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=12(F)
5) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=17, 2-4=24, 4-7=24, 2-8=-6
Horz: 1-2=-25, 2-4=-32
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=7(F)
6) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=36, 2-4=18, 4-7=12, 2-8=-6
Horz: 1-2=-45, 2-4=-26
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=4(F)
7) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-4=12, 4-7=12, 2-8=-6
Horz: 1-2=-14, 2-4=-20
Drag: 4-5=-0
Concentrated Loads (lb)
Vert: 13=64(F) 14=2(F)

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE E. LUTZ, FL 33549

Dwg.#0223071419

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T16	HIP	1	1	Job Reference (optional)

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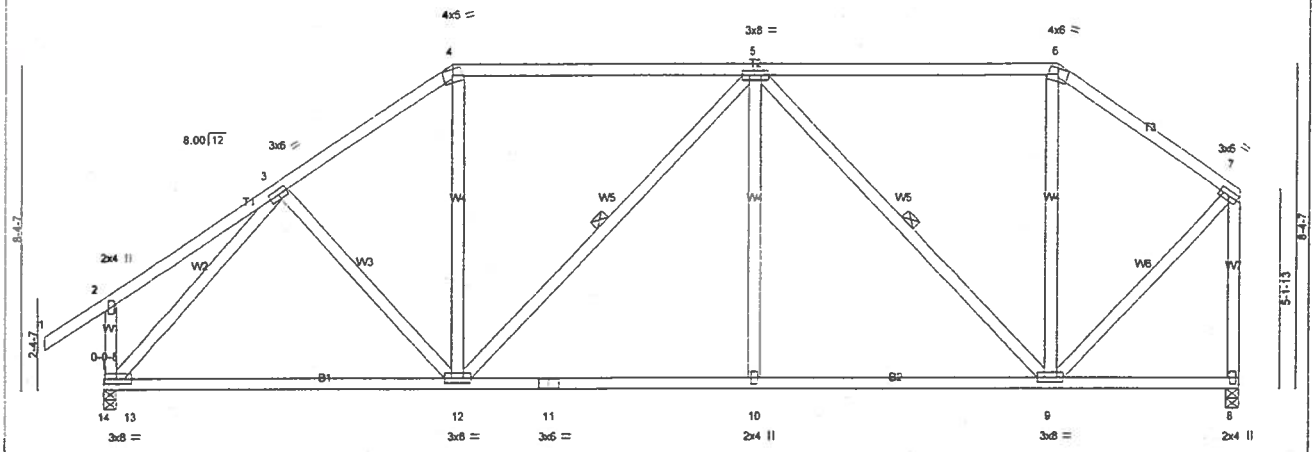
-1-6-0	4-7-12	9-0-0	16-10-0	24-8-0	29-6-0
1-6-0	4-7-12	4-4-4	7-10-0	7-10-0	4-10-0

Scale = 1:53.2
Camber = 1/16 in



9-0-0	16-10-0	24-8-0	29-6-0
9-0-0	7-10-0	7-10-0	4-10-0

Plate Offsets (X,Y): [13:0-3-7,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.20	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 201 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-12, 5-9

REACTIONS (lb/size) 13=1324/0-4-0, 8=1222/0-4-0
Max Horz 13=294(load case 5)
Max Uplift13=-428(load case 5), 8=-376(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-215/180, 3-4=-1219/469, 4-5=-980/441, 5-6=-648/294, 6-7=-828/290, 2-13=-309/274, 7-8=-1168/384
BOT CHORD 13-14=0/0, 12-13=-463/864, 11-12=-512/1135, 10-11=-512/1135, 9-10=-512/1135, 8-9=-14/13
WEBS 3-12=-182/247, 4-12=-43/295, 5-12=-301/262, 5-10=0/229, 5-9=-735/395, 6-9=0/133, 3-13=-1153/328, 7-9=-361/905

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; end vertical left 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 13 and 376 lb uplift at joint 8.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ. FL 33549

Dwg.#0223071420

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T17	HIP	1	1	Job Reference (optional)

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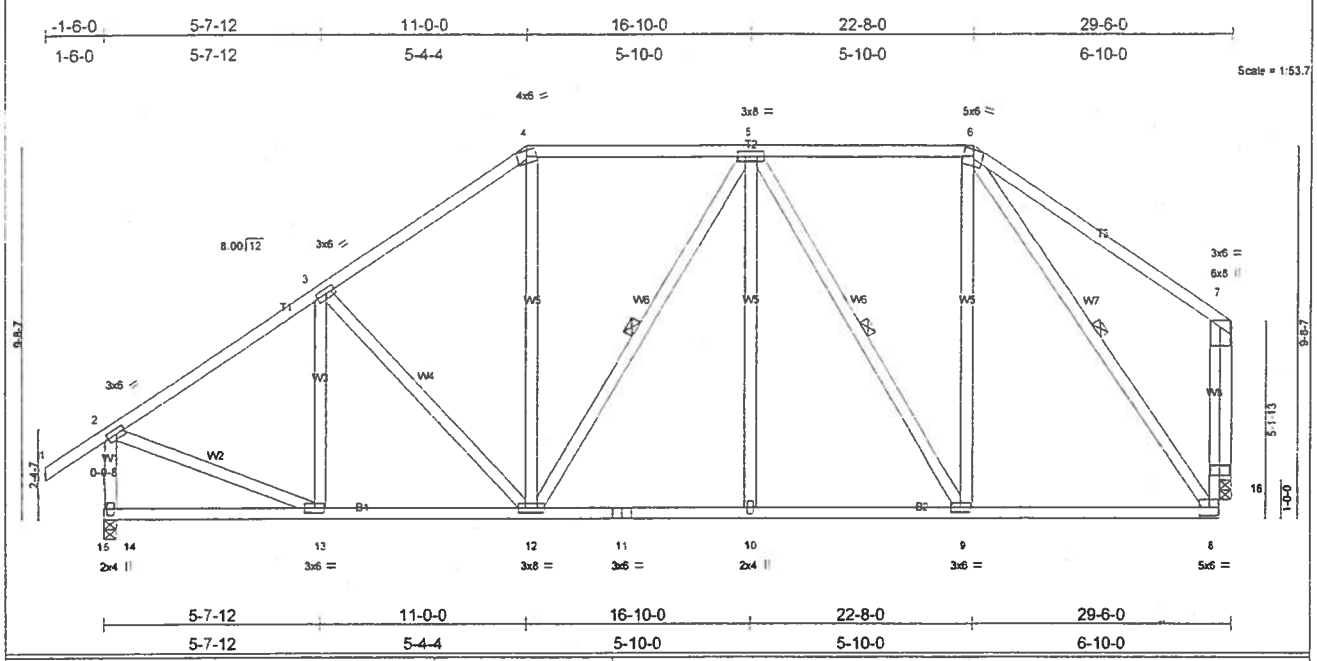

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.06	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.10	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.03	16	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 228 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-11 oc bracing.
WEBS 1 Row at midpt 5-12, 5-9, 6-8

REACTIONS (lb/size) 14=1312/0-4-0, 16=1218/0-3-8
Max Horz 14=328(load case 4)
Max Uplift14=-437(load case 5), 16=-339(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1219/386, 3-4=-1148/427, 4-5=-894/422, 5-6=-677/330, 6-7=-164/183, 2-14=-1223/454, 8-16=-319/1003, 7-16=-213/221
BOT CHORD 14-15=0/0, 13-14=-313/188, 12-13=-449/944, 11-12=-383/927, 10-11=-383/927, 9-10=-383/927, 8-9=-214/668
WEBS 3-13=-191/90, 3-12=-164/203, 4-12=-59/288, 5-12=-170/219, 5-10=0/166, 5-9=-538/320, 6-9=-235/649, 2-13=-151/949, 6-8=-1092/408

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; end vertical left 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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 14 and 339 lb uplift at joint 16.

LOAD CASE(S) Standard

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THOMAS E. MILLER PE 56877. BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS. INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ. FL 33549

Dwg.#0223071421

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T18	HIP	1	1	Job Reference (optional)

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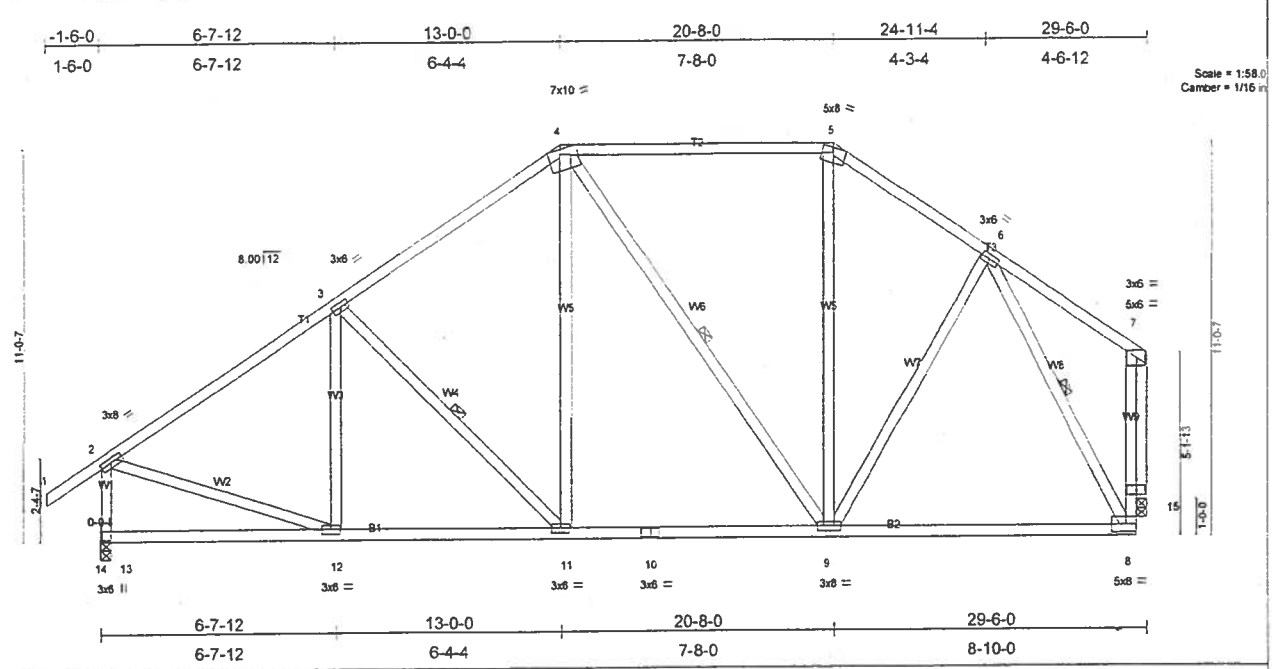

6-7-12	13-0-0	20-8-0	29-6-0		
6-7-12	6-4-4	7-8-0	8-10-0		

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [4:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.17	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	-0.02	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 221 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-11 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 6-8

REACTIONS (lb/size) 13=1312/0-4-0, 15=1218/0-3-8
Max Horz 13=374(load case 4)
Max Uplift13=-448(load case 5), 15=-354(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1264/405, 3-4=-1088/426, 4-5=-710/368, 5-6=-896/372, 6-7=-131/93, 2-13=-1209/465, 8-15=-259/1054, 7-15=-163/122
BOT CHORD 13-14=0/0, 12-13=-374/239, 11-12=-439/969, 10-11=-322/835, 9-10=-322/835, 8-9=-150/529
WEBS 3-12=-102/84, 3-11=-208/262, 4-11=-146/348, 4-9=-282/207, 5-9=-60/150, 6-9=-212/404, 2-12=-128/920, 6-8=-1045/319

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; end vertical left 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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 448 lb uplift at joint 13 and 354 lb uplift at joint 15.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071422

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T19	SPECIAL	1	1	Job Reference (optional)

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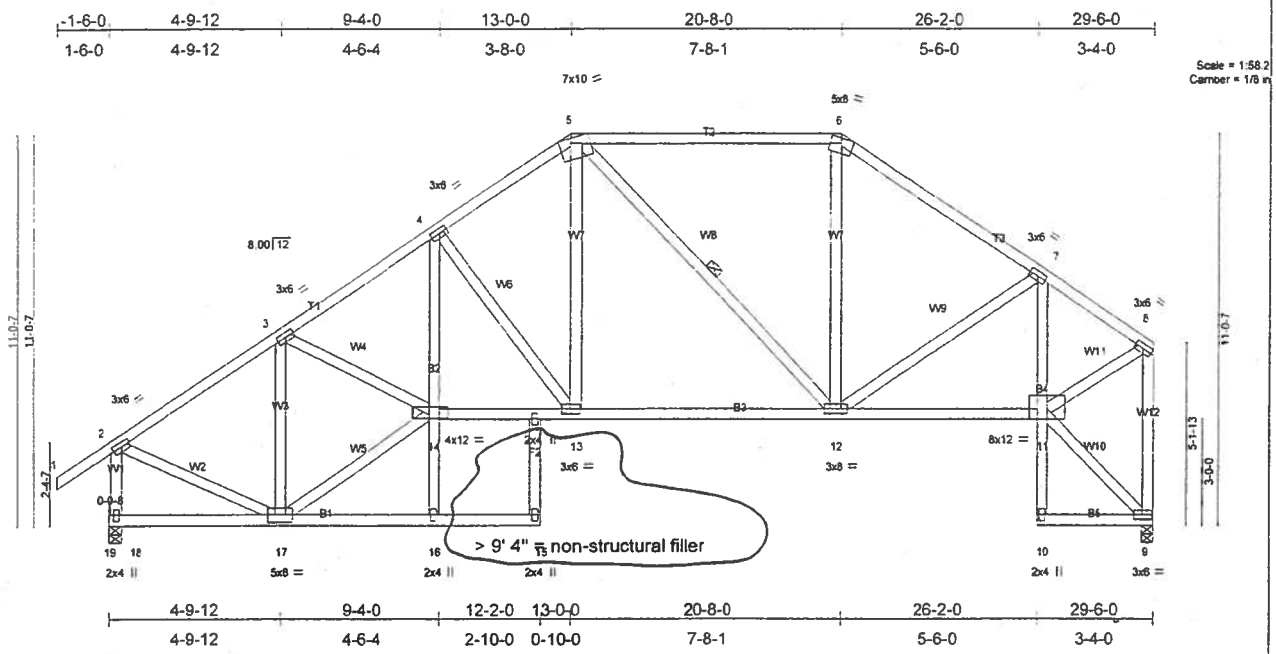

Plate Offsets (X,Y): [5:0-4-0,Edge], [14:0-6-10,0-1-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.18	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.29	15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.14	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 234 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-12
JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 18=1382/0-4-0, 9=1254/0-4-0
Max Horz 18=375(load case 4)
Max Uplift18=-440(load case 5), 9=-347(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1234/377, 3-4=-2013/681, 4-5=-1512/555, 5-6=-1052/427, 6-7=-1329/438, 7-8=-1120/327, 2-18=-1300/455, 8-9=-1210/351
BOT CHORD 18-19=0/0, 17-18=-349/238, 16-17=-11/0, 15-16=0/0, 14-16=0/172, 4-14=-212/582, 13-14=-567/1608, 12-13=-438/1245, 11-12=-245/919, 10-11=0/42, 7-11=-407/166, 9-10=-6/4
WEBS 3-17=-1004/396, 14-17=-524/1185, 3-14=-170/726, 4-13=-617/364, 5-13=-245/665, 5-12=-360/228, 6-12=-70/326, 7-12=-202/242, 2-17=-157/1020, 8-11=-276/1042, 9-11=-5/12

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; end vertical left 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 440 lb uplift at joint 18 and 347 lb uplift at joint 9.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071423

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T20	COMMON	6	1	Job Reference (optional)

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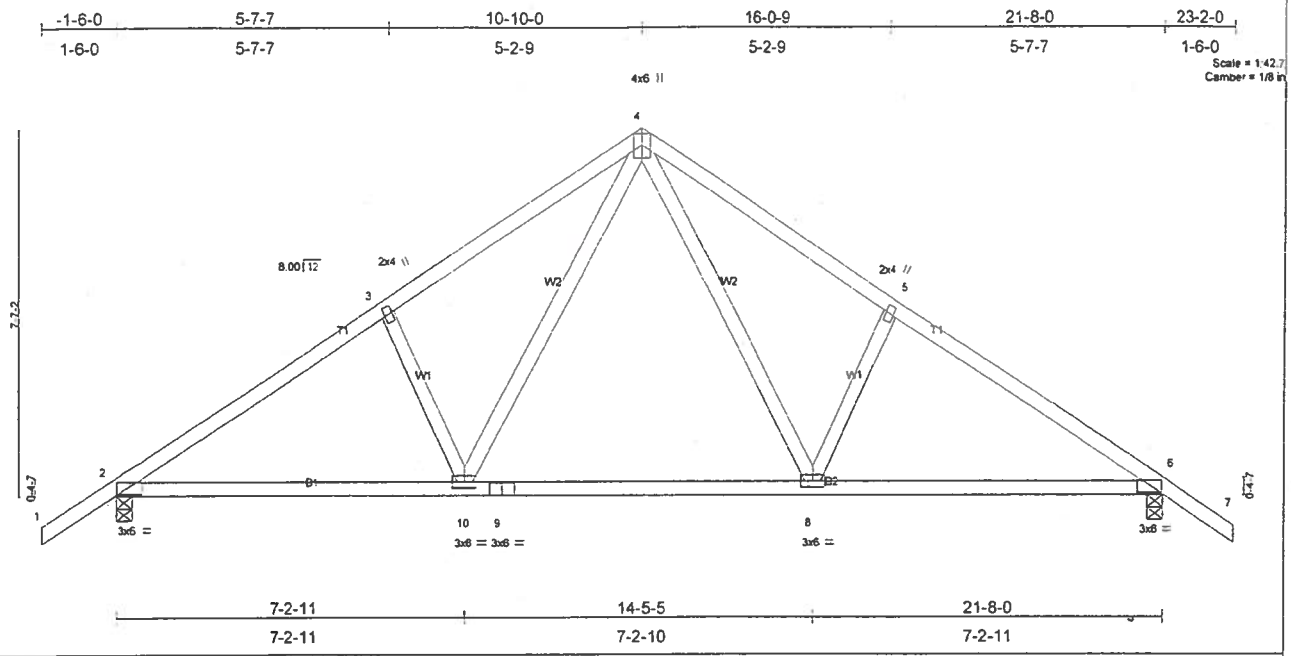

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.20	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.33	8-10	>775	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.35	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-1 oc bracing.

REACTIONS (lb/size) 2=1166/0-4-0, 6=1166/0-4-0
Max Horz 2=257(load case 4)
Max Uplift2=-449(load case 5), 6=-449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1606/507, 3-4=-1479/578, 4-5=-1479/578, 5-6=-1606/507, 6-7=0/45
BOT CHORD 2-10=-395/1253, 9-10=-159/851, 8-9=-159/851, 6-8=-311/1254
WEBS 3-10=-234/255, 4-10=-299/723, 4-8=-299/723, 5-8=-234/255

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 2 and 449 lb uplift at joint 6.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223071424

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T20G	COMMON	1	1	Job Reference (optional)

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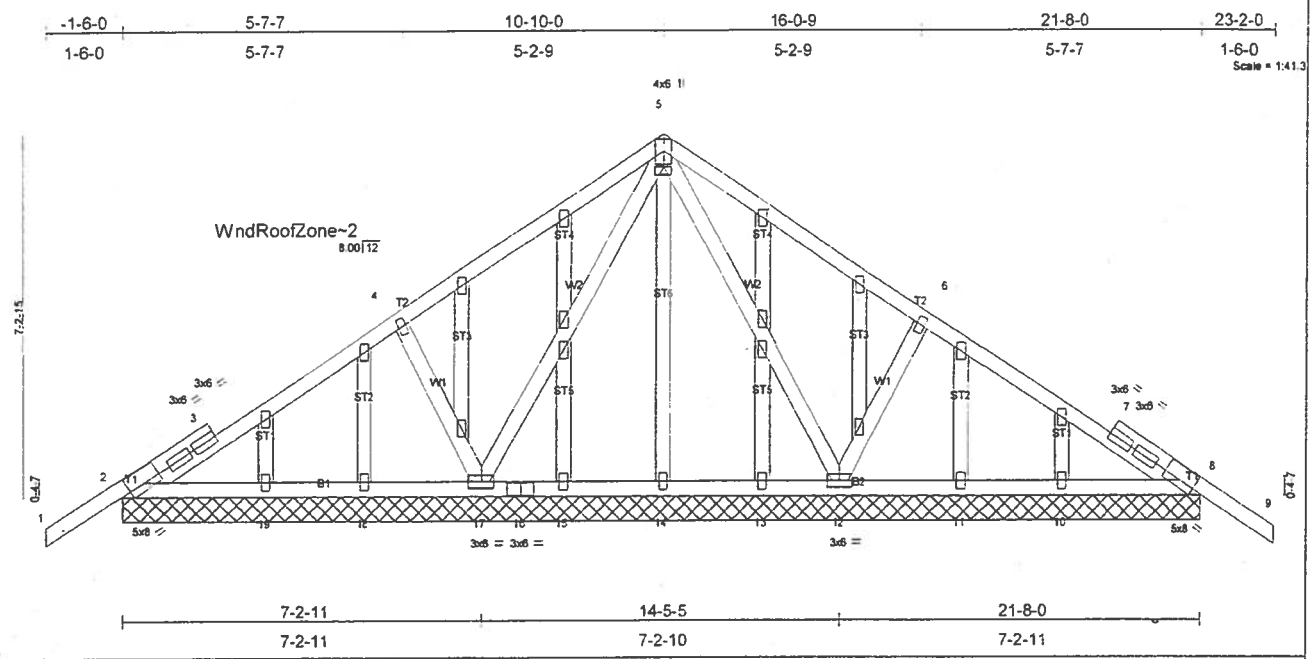

Plate Offsets (X,Y): [2:0-4-5,0-1-12], [5:0-2-0,0-0-0], [8:0-4-5,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	0.01	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	0.01	9	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 161 lb	

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

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

REACTIONS (lb/size) 2=221/21-8-0, 8=221/21-8-0, 17=519/21-8-0, 12=519/21-8-0, 14=66/21-8-0, 15=47/21-8-0, 18=44/21-8-0, 19=127/21-8-0, 13=47/21-8-0, 11=44/21-8-0, 10=127/21-8-0
Max Horz 2=245(load case 4)
Max Uplift2=-117(load case 5), 8=-139(load case 6), 17=-314(load case 5), 12=-291(load case 6), 19=-22(load case 6), 10=-20(load case 6)
Max Grav 2=235(load case 9), 8=235(load case 10), 17=519(load case 1), 12=519(load case 1), 14=66(load case 1), 15=48(load case 10), 18=57(load case 10), 19=127(load case 1), 13=48(load case 9), 11=57(load case 9), 10=127(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-125/92, 3-4=-101/111, 4-5=-76/235, 5-6=-11/235, 6-7=-45/109, 7-8=-70/37, 8-9=0/43
BOT CHORD 2-19=-82/211, 18-19=-82/211, 17-18=-82/211, 16-17=-33/252, 15-16=-33/252, 14-15=-33/252, 13-14=-33/252, 12-13=-33/252, 11-12=-36/170, 10-11=-36/170, 8-10=-36/170
WEBS 4-17=-261/261, 5-17=-256/101, 5-12=-256/97, 6-12=-261/263

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 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) 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"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 139 lb uplift at joint 8, 314 lb uplift at joint 17, 291 lb uplift at joint 12, 22 lb uplift at joint 19 and 20 lb uplift at joint 10.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.

LOAD CASE(S) Standard

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Dwg.#0223071425

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T21	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:22 2007 Page 1

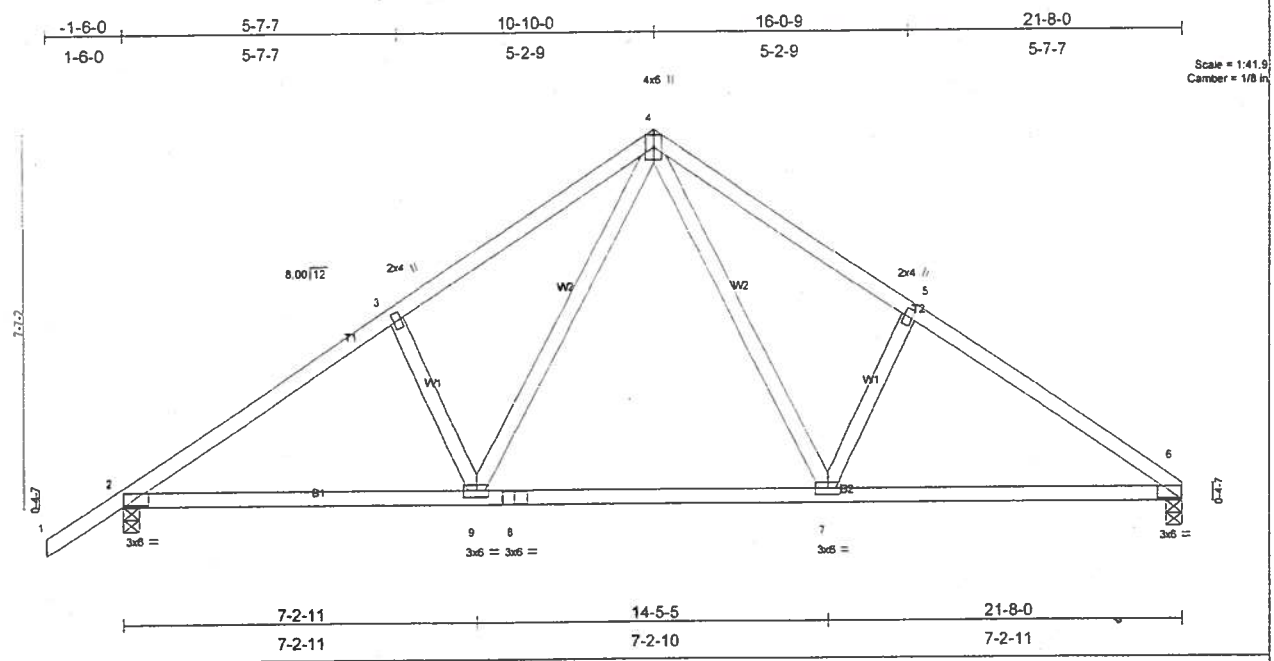

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.20	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.33	7-9	>785	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.38	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 109 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-8 oc bracing.

REACTIONS (lb/size) 6=1073/0-4-0, 2=1170/0-4-0
Max Horz 2=274(load case 4)
Max Uplift6=-350(load case 6), 2=-450(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1612/510, 3-4=-1485/580, 4-5=-1496/603, 5-6=-1622/530
BOT CHORD 2-9=-422/1258, 8-9=-186/856, 7-8=-186/856, 6-7=-343/1271
WEBS 3-9=-234/255, 4-9=-298/723, 4-7=-325/742, 5-7=-243/268

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 350 lb uplift at joint 6 and 450 lb uplift at joint 2.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-9=-30, 7-9=-80(F=-50), 6-7=-30

FEBRUARY 23,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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16105 N. FLORIDA AVE. STE B. LUTZ. FL 33549

Dwg.#0226071426

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T22	COMMON	1	1	Job Reference (optional)

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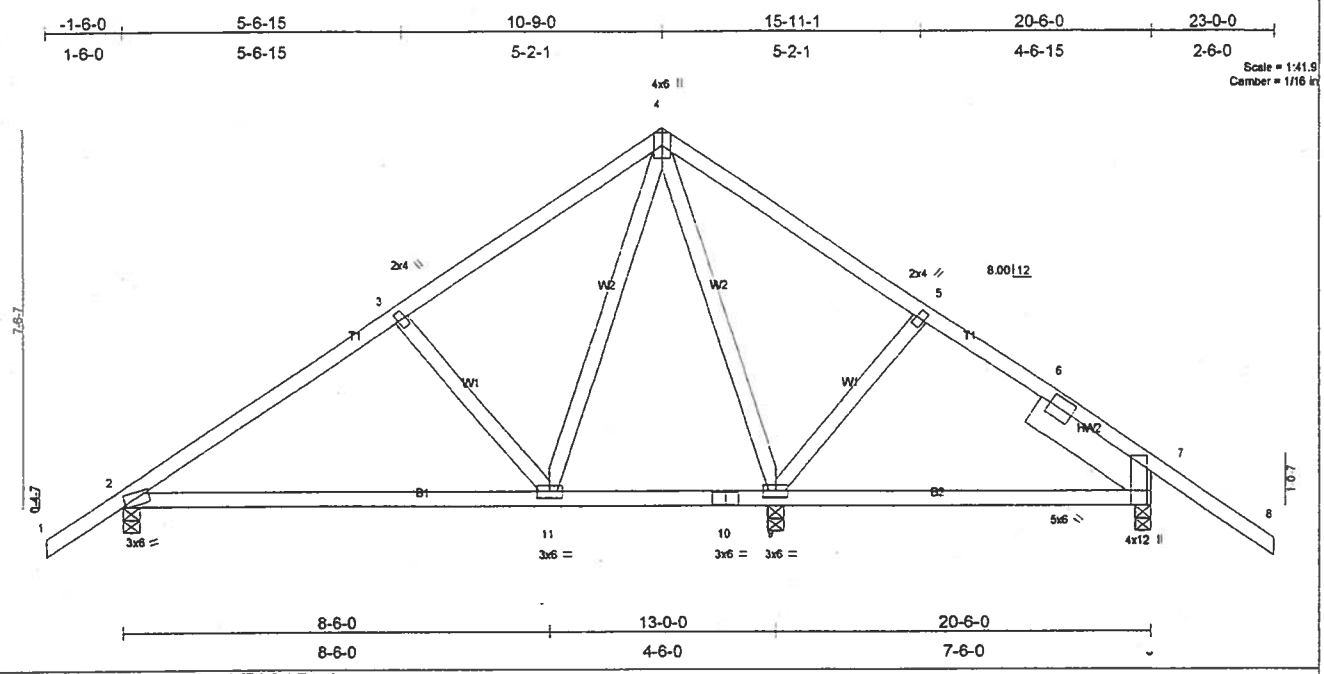

Plate Offsets (X,Y): [2:0-0-12,Edge], [7:0-8-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.14	7-9	>648	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.21	2-11	>718	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 119 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 2-10-12

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

REACTIONS (lb/size) 2=612/0-4-0, 9=887/0-4-0, 7=434/0-4-0
Max Horz 2=256(load case 4)
Max Uplift2=-279(load case 5), 9=-335(load case 5), 7=-362(load case 6)
Max Grav 2=618(load case 9), 9=887(load case 1), 7=447(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 4-5=-42/157, 5-6=-79/151, 6-7=-197/129, 7-8=0/48, 1-2=0/45, 2-3=-571/203, 3-4=-401/206
BOT CHORD 2-11=-199/432, 10-11=-62/200, 9-10=-62/200, 7-9=-19/114
WEBS 5-9=-234/240, 4-9=-581/138, 4-11=-147/443, 3-11=-274/260

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 279 lb uplift at joint 2, 335 lb uplift at joint 9 and 362 lb uplift at joint 7.

LOAD CASE(S) Standard

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071427

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T22G	COMMON	1	1	Job Reference (optional)

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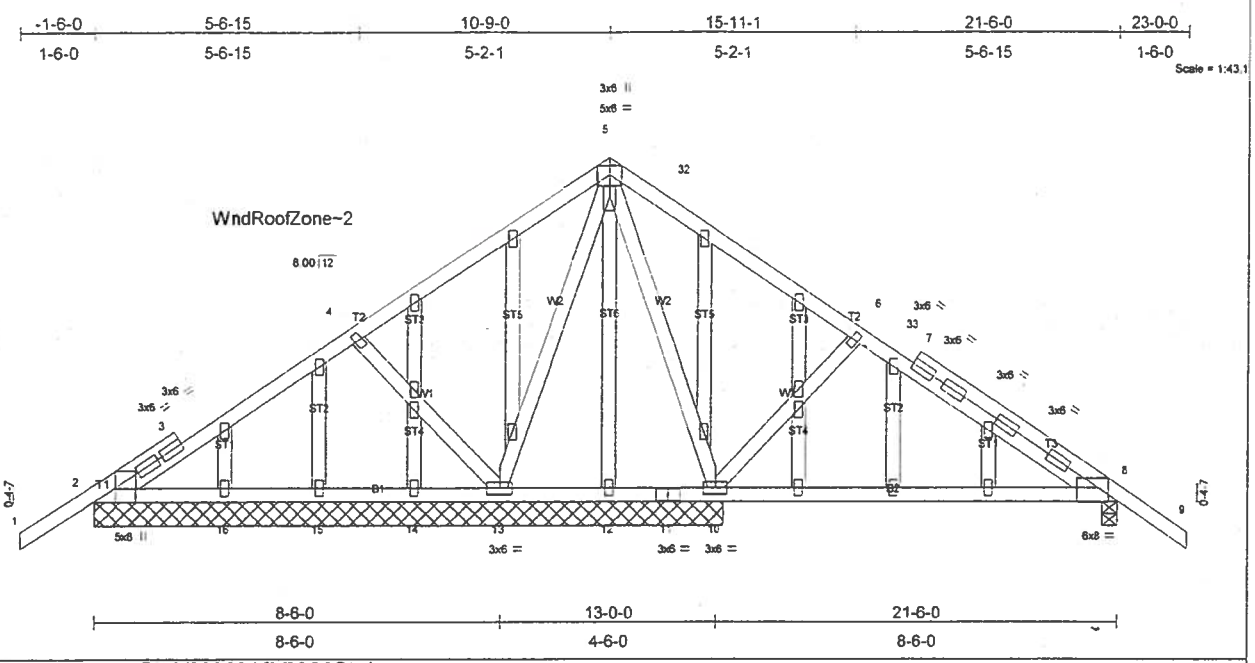

Plate Offsets (X,Y): [2:0-3-8,Edge], [5:0-2-8,0-1-8], [8:0-2-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.20	8-10	>497	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	0.17	8-10	>596	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 164 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 8-10.

REACTIONS (lb/size) 2=419/13-2-0, 8=360/0-4-0, 10=1116/13-2-0, 12=51/13-2-0, 14=173/13-2-0, 15=-22/13-2-0, 16=179/13-2-0
Max Horz 2=-243(load case 3)
Max Uplift2=-233(load case 5), 8=-285(load case 6), 10=-561(load case 6), 12=-46(load case 5), 14=-59(load case 5), 15=-22(load case 1), 16=-44(load case 5)
Max Grav 2=424(load case 9), 8=403(load case 10), 10=1116(load case 1), 12=66(load case 4), 14=173(load case 1), 15=58(load case 5), 16=179(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-409/167, 3-4=-337/186, 4-5=-190/164, 5-32=-36/333, 6-32=-39/216, 6-33=-85/90, 7-33=-91/90, 7-8=-213/82, 8-9=0/45
BOT CHORD 2-16=-186/280, 15-16=-186/280, 14-15=-186/280, 13-14=-186/280, 12-13=-30/226, 11-12=-30/226, 10-11=-30/226, 8-10=-18/153
WEBS 4-13=-304/277, 5-13=-157/189, 5-10=-650/305, 6-10=-401/327

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 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.
3) 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"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 2, 285 lb uplift at joint 8, 561 lb uplift at joint 10, 46 lb uplift at joint 12, 59 lb uplift at joint 14, 22 lb uplift at joint 15 and 44 lb uplift at joint 16.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-64(F=-10), 5-32=-64(F=-10), 32-33=-91(F=-37), 9-33=-54, 2-8=-30

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071428

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T23	COMMON	2	1	Job Reference (optional)

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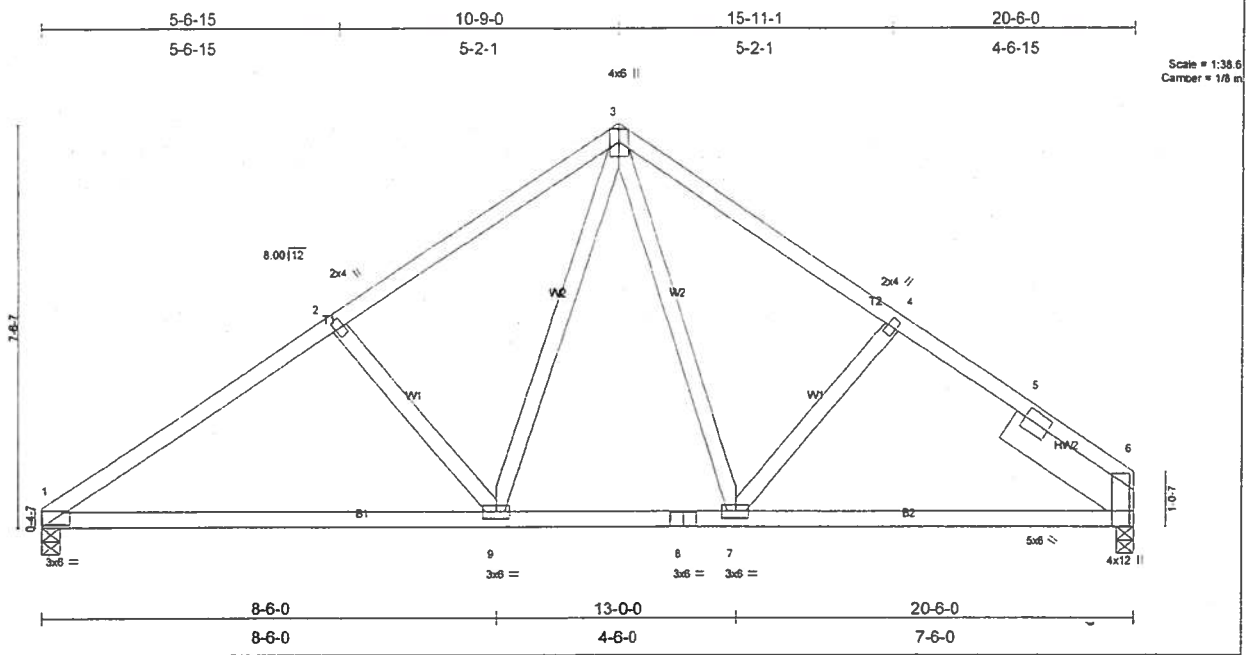

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [6:0-8-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.15	1-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.26	1-9	>954	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 2-10-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=854/0-4-0, 6=854/0-4-0
Max Horz 1=-251(load case 3)
Max Uplift1=-272(load case 5), 6=-266(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1159/387, 2-3=-990/389, 3-4=-917/365, 4-5=-1001/361, 5-6=-1076/342
BOT CHORD 1-9=-328/915, 8-9=-103/624, 7-8=-103/624, 6-7=-196/797
WEBS 2-9=-270/267, 3-9=-189/454, 3-7=-143/300, 4-7=-179/222

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 1 and 266 lb uplift at joint 6.

LOAD CASE(S) Standard

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071429

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T24	COMMON	1	2	Job Reference (optional)

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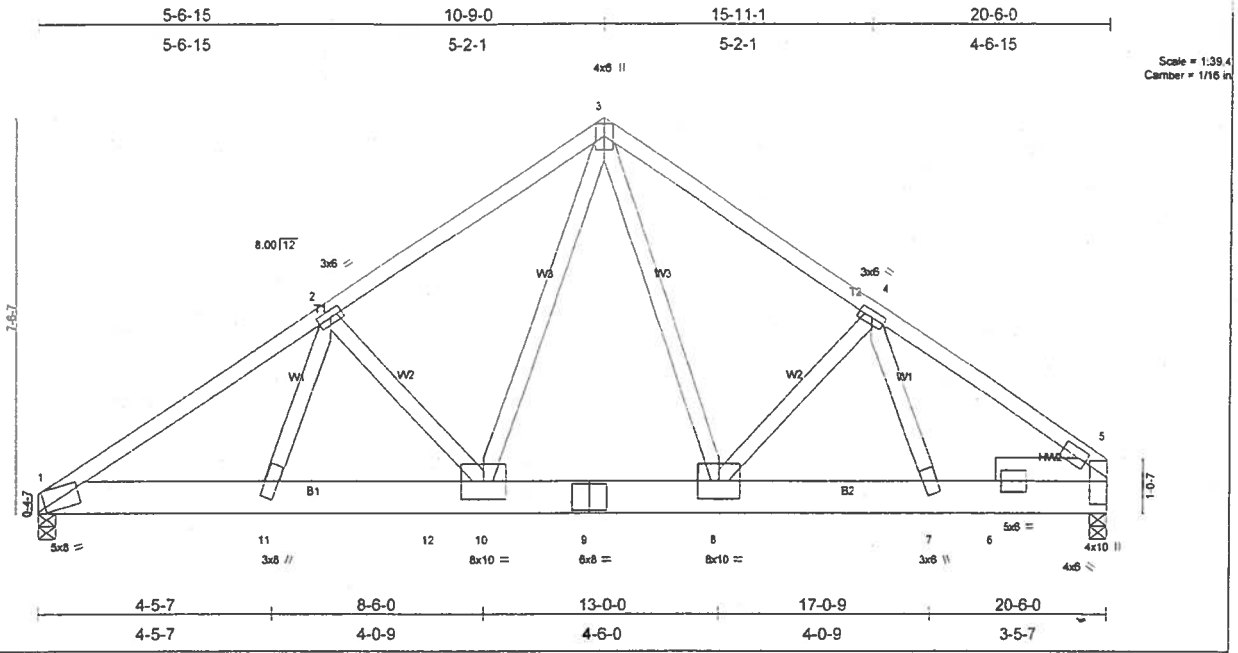

Plate Offsets (X,Y): [1:0-2-1,Edge], [5:0-6-11,0-2-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.17	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 298 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 6 SYP No.1D 2-2-6

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=5869/0-4-0, 5=4983/0-4-0
Max Horz 1=245(load case 3)
Max Uplift1=-2236(load case 4), 5=-1883(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8191/3100, 2-3=-5872/2305, 3-4=-5455/2140, 4-5=-6651/2500
BOT CHORD 1-11=-2586/6749, 11-12=-2283/5937, 10-12=-2283/5937, 9-10=-1318/3715, 8-9=-1318/3715, 7-8=-1740/4760, 6-7=-1881/5163, 5-6=-1881/5163
WEBS 2-11=-936/2520, 2-10=-1781/832, 3-10=-1458/3670, 3-8=-1017/2538, 4-8=-476/321, 4-7=-457/1258

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2236 lb uplift at joint 1 and 1883 lb uplift at joint 5.
6) Girder carnes tie-in span(s): 29-6-0 from 0-0-0 to 7-6-0; 20-6-0 from 7-6-0 to 20-6-0

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 1-12=-601(F=-571), 5-12=-412(F=-382)

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 66877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071430

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T25	COMMON	1	1	Job Reference (optional)

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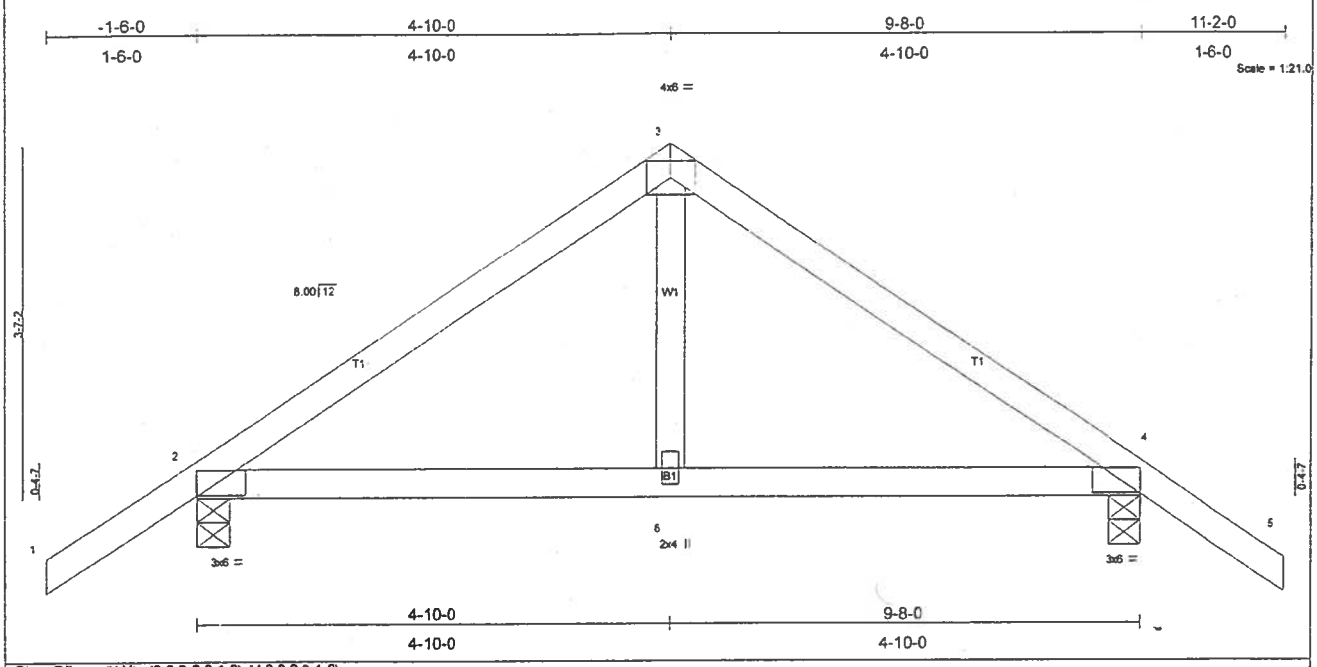

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.03	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	4-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

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

REACTIONS (lb/size) 2=482/0-4-0, 4=482/0-4-0
Max Horz 2=119(load case 4)
Max Uplift2=-342(load case 5), 4=-342(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-447/395, 3-4=-447/395, 4-5=0/45
BOT CHORD 2-6=-187/312, 4-6=-187/312
WEBS 3-6=-279/164

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left and 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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 2 and 342 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 66877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071431

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T25G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:28 2007 Page 1

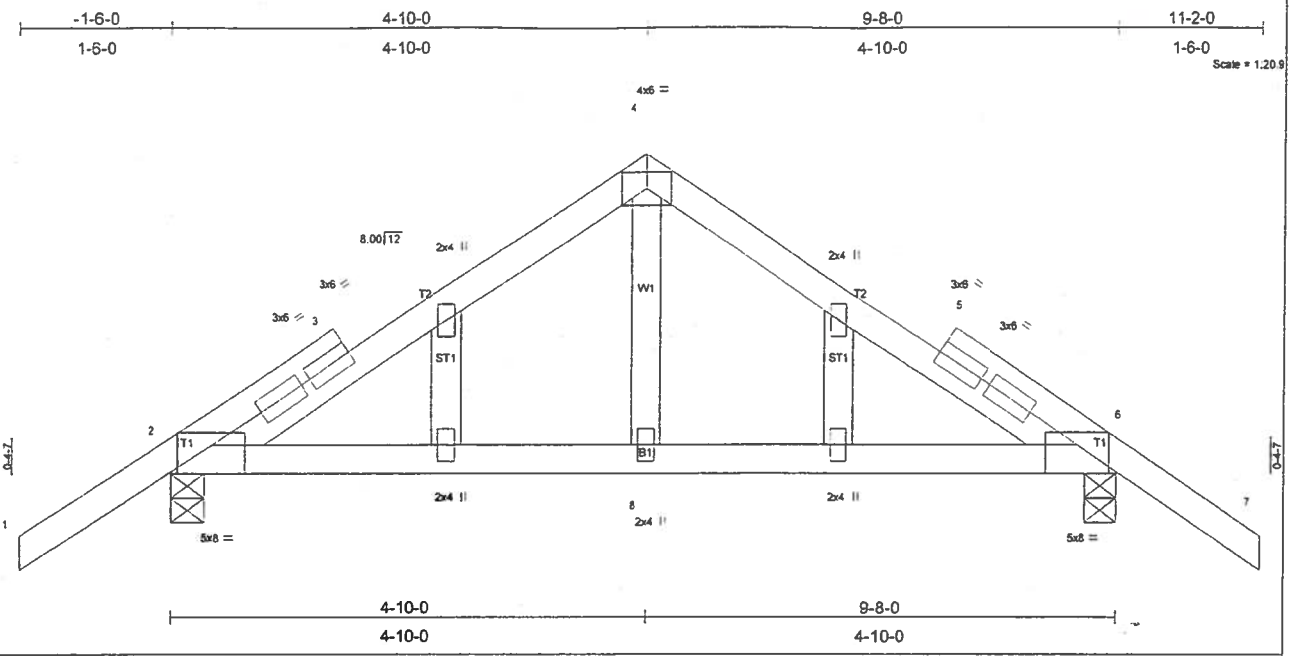

Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-4-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.03	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.03	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

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

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

REACTIONS (lb/size) 2=545/0-4-0, 6=545/0-4-0
Max Horz 2=106(load case 4)
Max Uplift2=-386(load case 5), 6=-386(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2/53, 2-3=-531/468, 3-4=-474/468, 4-5=-474/468, 5-6=-531/468, 6-7=-2/53
BOT CHORD 2-8=-279/394, 6-8=-279/394
WEBS 4-8=-284/171

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) zone; porch left and 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.
3) 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"
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 2 and 386 lb uplift at joint 6.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-64(F=-10), 4-7=-64(F=-10), 2-6=-30

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071432

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T26	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:29 2007 Page 1

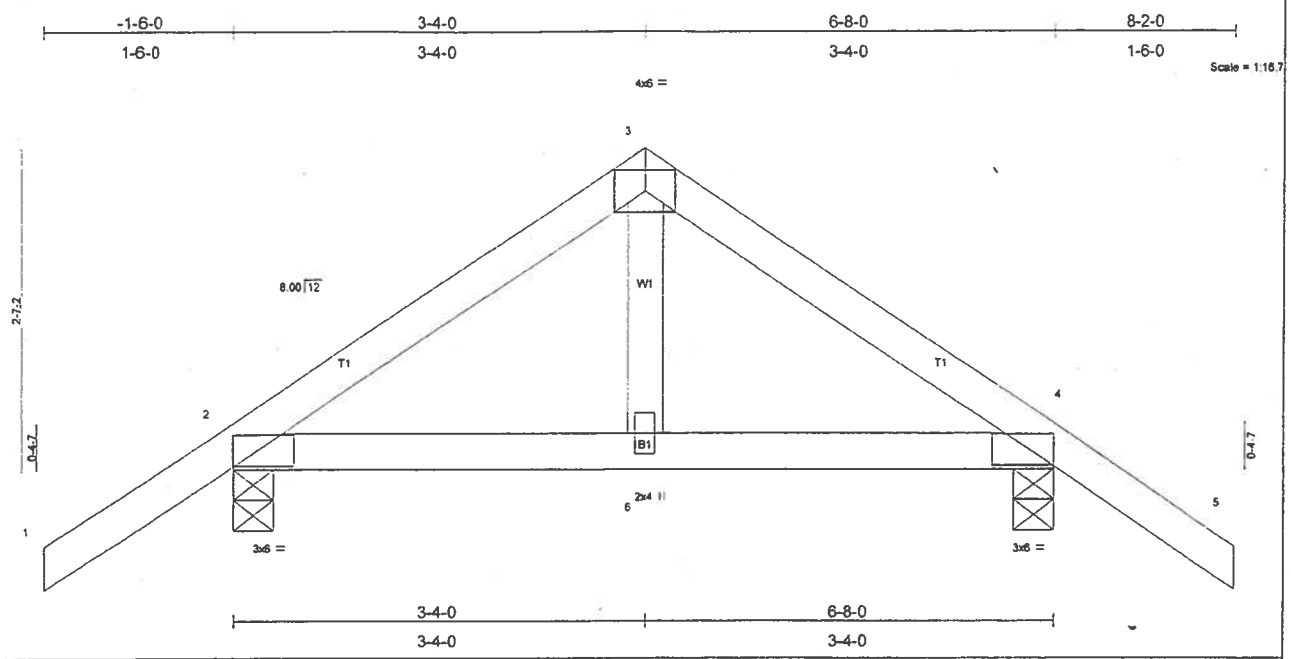

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	4-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

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

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

REACTIONS (lb/size) 2=356/0-4-0, 4=356/0-4-0
Max Horz 2=84(load case 4)
Max Uplift2=-189(load case 5), 4=-189(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-269/47, 3-4=-269/47, 4-5=0/45
BOT CHORD 2-6=0/167, 4-6=0/167
WEBS 3-6=0/116

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2 and 189 lb uplift at joint 4.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071433

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T26G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:52 2007 Page 1

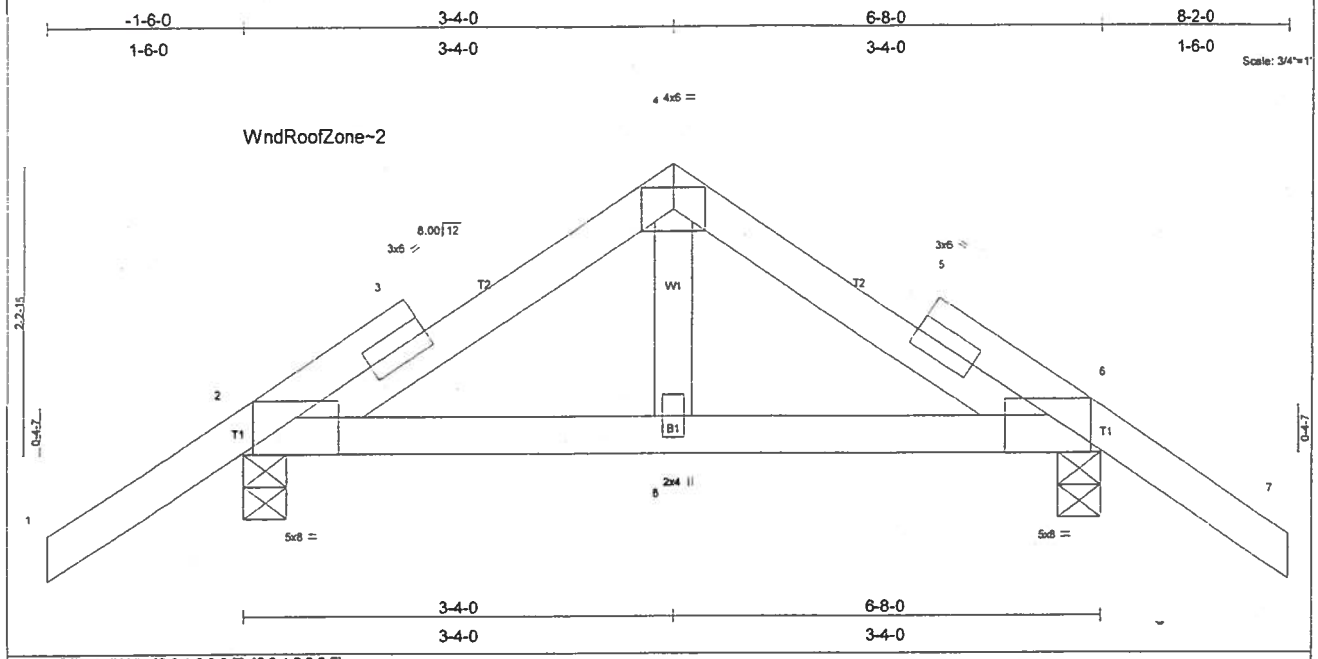

Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-4-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

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

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

REACTIONS (lb/size) 2=404/0-4-0, 6=404/0-4-0
Max Horz 2=72(load case 4)
Max Uplift2=-208(load case 5), 6=-208(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-310/48, 3-4=-257/59, 4-5=-257/59, 5-6=-310/48, 6-7=0/53
BOT CHORD 2-8=0/214, 6-8=0/214
WEBS 4-8=0/114

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 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) 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"
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 2 and 208 lb uplift at joint 6.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-64(F=-10), 4-7=-64(F=-10), 2-6=-30

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071434

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T27	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:30 2007 Page 1

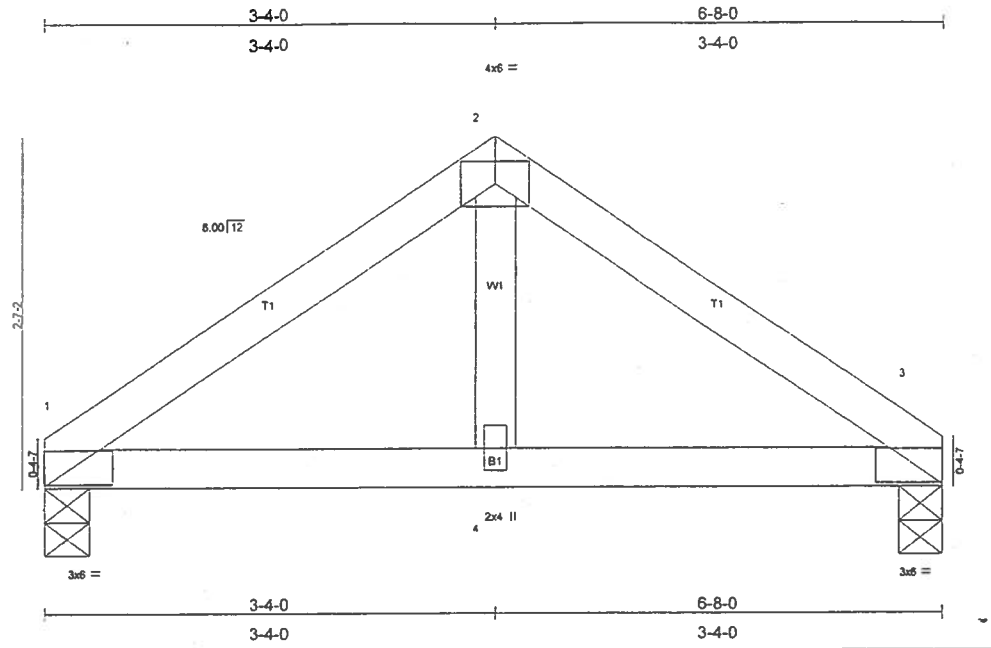

Plate Offsets (X,Y): [1:0-3-9,0-1-8], [3:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	3-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 1=266/0-4-0, 3=266/0-4-0
Max Horz 1=79(load case 4)
Max Uplift1=-84(load case 5), 3=-84(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-285/79, 2-3=-285/79
BOT CHORD 1-4=-22/199, 3-4=-22/199
WEBS 2-4=0/116

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 1 and 84 lb uplift at joint 3.

LOAD CASE(S) Standard

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0226071435

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 46
L227908	T28	COMMON	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Feb 22 14:08:31 2007 Page 1

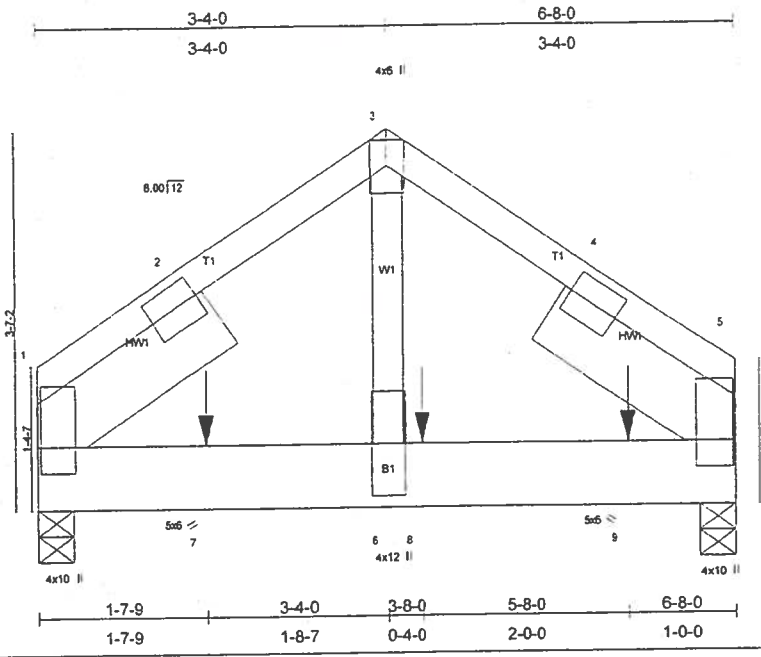


Plate Offsets (X,Y): [1:0-3-0,0-0-5], [5:0-8-0,0-0-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.06	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 2-1-12, Right 2 X 8 SYP No.1D 2-1-12

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

REACTIONS (lb/size) 1=2129/0-4-0, 5=3507/0-4-0
Max Horz 1=108(load case 3)
Max Uplift1=-782(load case 4), 5=-1302(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2642/1006, 2-3=-2582/1012, 3-4=-2581/1011, 4-5=-2641/1006
BOT CHORD 1-7=-685/1908, 6-7=-685/1908, 6-8=-685/1908, 8-9=-685/1908, 5-9=-685/1908
WEBS 3-6=-1253/3387

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) 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; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 782 lb uplift at joint 1 and 1302 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3419 lb down and 1291 lb up at 3-8-0, and 1654 lb down and 587 lb up at 5-8-0, and 103 lb down and 39 lb up at 1-7-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

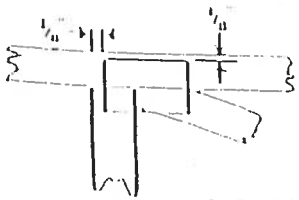
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 1-5=-30
Concentrated Loads (lb)
Vert: 7=-103(F) 8=-3419(F) 9=-1554(F)

FEBRUARY 26,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 66877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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

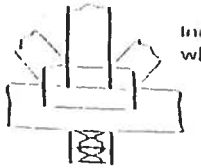
4 X 4

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

LATERAL BRACING

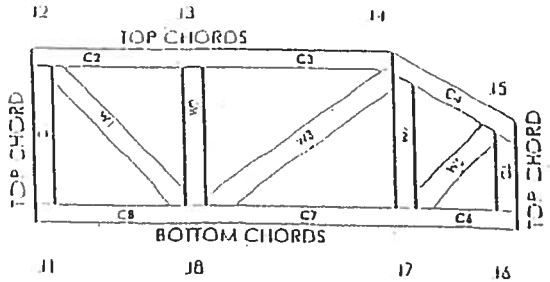
Indicates location of required continuous lateral bracing.

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, 9700361-1
FIER	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 ¼ panel length (1 5" 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 purlins 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.

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:	**Cady Homes & Associates - Lot 46**	Builder:	**Cady Homes & Ass.**
Address:	**Lot: 51, Sub: Rolling Meadows, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, FL 32025-**	Permit Number:	
Owner:	**Spec House**	Jurisdiction Number:	
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1880 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 355.3 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=5.0, 224.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.0, 1396.7 ft²	
	b. Frame, Wood, Adjacent	R=13.0, 148.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 1980.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts(Leak Free)		
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	
	b. N/A		

12.	Cooling systems		
	a. Central Unit	Cap: 41.0 kBtu/hr	
		SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. Electric Heat Pump	Cap: 41.0 kBtu/hr	
		HSPF: 7.70	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 50.0 gallons	
		EF: 0.90	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.19

Total as-built points: 23486

Total base points: 25240

PASS

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

PREPARED BY: _____

DATE: 8-16-07

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1880.0	18.59	6291.0	1.Double, Clear	W	1.5	10.0	75.0	38.52	0.98	2828.0	
				2.Double, Clear	W	1.5	10.0	6.0	38.52	0.98	226.0	
				3.Double, Clear	N	7.5	10.0	40.0	19.20	0.76	581.0	
				4.Double, Clear	W	10.5	10.0	63.0	38.52	0.52	1258.0	
				5.Double, Clear	SW	10.5	10.0	20.0	40.16	0.48	385.0	
				6.Double, Clear	S	7.5	10.0	15.0	35.87	0.57	304.0	
				7.Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.0	
				8.Double, Clear	N	1.5	8.0	6.0	19.20	0.97	111.0	
				9.Double, Clear	E	1.5	8.0	16.0	42.06	0.96	644.0	
				10.Double, Clear	E	7.8	10.0	13.3	42.06	0.58	324.0	
				11.Double, Clear	E	1.5	10.0	56.0	42.06	0.98	2304.0	
				12.Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.0	
				As-Built Total:				**355.3**			**10018.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	148.0	0.70	103.6	1. Frame, Wood, Exterior	13.0	1396.7	1.50	2095.0
Exterior	1396.7	1.70	2374.4	2. Frame, Wood, Adjacent	13.0	148.0	0.60	88.8
Base Total:	**1544.7**		**2478.0**	**As-Built Total:**		**1544.7**		**2183.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	1.Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	6.10	122.0	2.Adjacent Insulated	20.0	1.60	32.0
Base Total:	**40.0**		**170.0**	**As-Built Total:**	**40.0**		**114.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1880.0	1.73	3252.4	1. Under Attic	30.0	1980.0	1.73 X 1.00	3425.4
Base Total:	**1880.0**		**3252.4**	**As-Built Total:**		**1980.0**		**3425.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	224.0(p)	-37.0	-8288.0	1. Slab-On-Grade Edge Insulation	5.0	224.0(p	-36.20	-8108.8
Raised	0.0	0.00	0.0					
Base Total:			**-8288.0**	**As-Built Total:**		**224.0**		**-8108.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	1880.0	10.21	19194.8		1880.0	10.21	19194.8			
Summer Base Points: 23098.2				**Summer As-Built Points:**						**26827.3**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
				(sys 1: Central Unit 41000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				26827	1.00	(1.09 x 1.000 x 1.00)	0.260	0.950	7222.7	
23098.2	**0.3250**	**7506.9**		**26827.3**	**1.00**	**1.090**	**0.260**	**0.950**	**7222.7**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	1880.0	20.17	6826.0

WALL TYPES

	Area	X BWPM	= Points
Adjacent	148.0	3.60	532.8
Exterior	1396.7	3.70	5167.8
Base Total:	**1544.7**		**5700.6**

DOOR TYPES

	Area	X BWPM	= Points
Adjacent	20.0	11.50	230.0
Exterior	20.0	12.30	246.0
Base Total:	**40.0**		**476.0**

CEILING TYPES

	Area	X BWPM	= Points
Under Attic	1880.0	2.05	3854.0
Base Total:	**1880.0**		**3854.0**

FLOOR TYPES

	Area	X BWPM	= Points
Slab	224.0(p)	8.9	1993.6
Raised	0.0	0.00	0.0
Base Total:			**1993.6**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
1.Double, Clear	W	1.5	10.0	75.0	20.73	1.01	1563.0
2.Double, Clear	W	1.5	10.0	6.0	20.73	1.01	125.0
3.Double, Clear	N	7.5	10.0	40.0	24.58	1.01	997.0
4.Double, Clear	W	10.5	10.0	63.0	20.73	1.17	1530.0
5.Double, Clear	SW	10.5	10.0	20.0	16.74	1.63	544.0
6.Double, Clear	S	7.5	10.0	15.0	13.30	2.27	451.0
7.Double, Clear	N	1.5	8.0	30.0	24.58	1.00	737.0
8.Double, Clear	N	1.5	8.0	6.0	24.58	1.00	147.0
9.Double, Clear	E	1.5	8.0	16.0	18.79	1.02	306.0
10.Double, Clear	E	7.8	10.0	13.3	18.79	1.22	305.0
11.Double, Clear	E	1.5	10.0	56.0	18.79	1.01	1065.0
12.Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.0
As-Built Total:				**355.3**			**7977.0**

Type	R-Value	Area X	WPM	= Points
1. Frame, Wood, Exterior	13.0	1396.7	3.40	4748.8
2. Frame, Wood, Adjacent	13.0	148.0	3.30	488.4
As-Built Total:		**1544.7**		**5237.2**

Type	Area X	WPM	= Points
1.Exterior Insulated	20.0	8.40	168.0
2.Adjacent Insulated	20.0	8.00	160.0
As-Built Total:	**40.0**		**328.0**

Type	R-Value	Area X	WPM X	WCM =	Points
1. Under Attic	30.0	1980.0	2.05 X	1.00	4059.0
As-Built Total:		**1980.0**			**4059.0**

Type	R-Value	Area X	WPM	= Points
1. Slab-On-Grade Edge Insulation	5.0	224.0(p	7.60	1702.4
As-Built Total:		**224.0**		**1702.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	1880.0	-0.59	-1109.2		1880.0	-0.59	-1109.2			
Winter Base Points:			**17741.0**	**Winter As-Built Points:**						**18194.4**
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	
				(sys 1: Electric Heat Pump 41000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				18194.4	1.000	(1.069 x 1.000 x 1.00)	0.443	0.950	8182.8	
17741.0	**0.5540**	**9828.5**		**18194.4**	**1.00**	**1.069**	**0.443**	**0.950**	**8182.8**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7507	**9829**	**7905**	**25240**	**7223**	**8183**	**8081**	**23486**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-** 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 cir 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* = 85.8

The higher the score, the more efficient the home.

Spec House, Lot: 51, Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 41.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1880 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 355.3 ft²			a. Electric Heat Pump	Cap: 41.0 kBtu/hr
	b. SHGC:					HSPF: 7.70
	(or Clear or Tint DEFAULT)	7b. (Clear) 355.3 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=5.0, 224.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1396.7 ft²				EF: 0.90
	b. Frame, Wood, Adjacent	R=13.0, 148.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1980.0 ft²		15.	HVAC credits	PT,
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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.

Energy Code Compliance

Duct System Performance Report

Project Name:	Cady Homes & Associates - Lot 46	Builder:	Cady Homes & Ass.
Address:		Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	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)** ☐ **Receive credit if Q_n,tot≤ 0.03**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ **(Q_n,out)** ☐ **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.htp

BUILDING OFFICIAL: _____

DATE: _____

Residential System Sizing Calculation

Summary

Spec House

Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

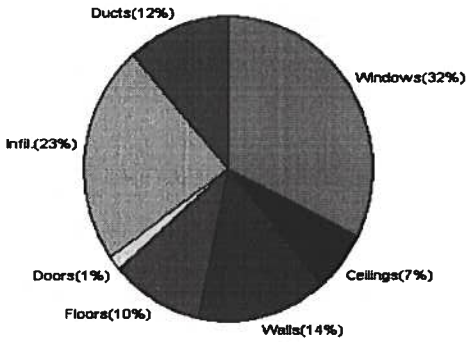
8/16/2007

Location for weather data: Gainesville - User customized: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	24	F
Total heating load calculation	**35199**	**Btuh**	**Total cooling load calculation**	**51282**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.5	41000	Sensible (SHR = 0.75)	71.3	30750
Heat Pump + Auxiliary(0.0kW)	116.5	41000	Latent	125.3	10250
			Total (Electric Heat Pump)	80.0	41000

WINTER CALCULATIONS

Winter Heating Load (for 1880 sqft)

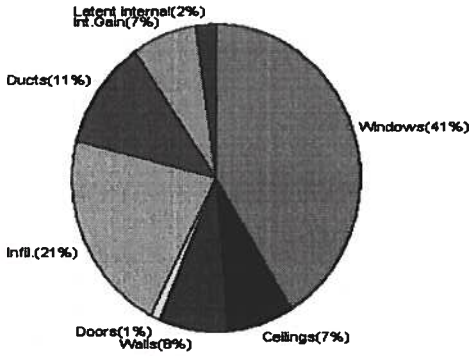
Load component			Load	
Window total	355	sqft	11437	Btuh
Wall total	1545	sqft	5073	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1980	sqft	2333	Btuh
Floor total	224	sqft	3663	Btuh
Infiltration	201	cfm	8123	Btuh
Duct loss			4051	Btuh
Subtotal			**35199**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**35199**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1880 sqft)

Load component			Load	
Window total	355	sqft	21126	Btuh
Wall total	1545	sqft	4096	Btuh
Door total	40	sqft	490	Btuh
Ceiling total	1980	sqft	3720	Btuh
Floor total			0	Btuh
Infiltration	175	cfm	4610	Btuh
Internal gain			3780	Btuh
Duct gain			5281	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**43104**	**Btuh**
Latent gain(ducts)			565	Btuh
Latent gain(infiltration)			6412	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**8178**	**Btuh**
TOTAL HEAT GAIN			**51282**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 8-16-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

8/16/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	N	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	63.0	32.2	2028 Btuh
5	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	6.0	32.2	193 Btuh
9	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
10	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
11	2, Clear, Metal, 0.87	E	56.0	32.2	1803 Btuh
12	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
	Window Total		355(sqft)		11437 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1397	3.3	4587 Btuh
2	Frame - Wood - Adj(0.09)	13.0	148	3.3	486 Btuh
	Wall Total		1545		5073 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1980	1.2	2333 Btuh
	Ceiling Total		1980		2333Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	224.0 ft(p)	16.4	3663 Btuh
	Floor Total		224		3663 Btuh
			Envelope Subtotal:		23024 Btuh

Infiltration	Type	ACH	X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	15040	1545	200.5	8123 Btuh
Ductload					(DLM of 0.130)	4051 Btuh
All Zones				**Sensible Subtotal All Zones**		**35199 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

8/16/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	35199 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	35199 Btuh

EQUIPMENT

1. Electric Heat Pump	#	41000 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 - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

8/16/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	N	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	63.0	32.2	2028 Btuh
5	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	6.0	32.2	193 Btuh
9	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
10	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
11	2, Clear, Metal, 0.87	E	56.0	32.2	1803 Btuh
12	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
	Window Total		355(sqft)		11437 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1397	3.3	4587 Btuh
2	Frame - Wood - Adj(0.09)	13.0	148	3.3	486 Btuh
	Wall Total		1545		5073 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1980	1.2	2333 Btuh
	Ceiling Total		1980		2333Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	224.0 ft(p)	16.4	3663 Btuh
	Floor Total		224		3663 Btuh
			Zone Envelope Subtotal:		23024 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	15040	1545	200.5	8123 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DLM of 0.130)	4051 Btuh
Zone #1			**Sensible Zone Subtotal**		**35199 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

8/16/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	35199 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	35199 Btuh

EQUIPMENT

1. Electric Heat Pump	#	41000 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:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 8/16/2007

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	35	86	6420 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	6.0	0.0	6.0	35	86	514 Btuh
3	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	40.0	0.0	40.0	35	35	1402 Btuh
4	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	63.0	51.4	11.6	35	86	2793 Btuh
5	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	20.0	20.0	0.0	35	69	701 Btuh
6	2, Clear, 0.87, None,N,N	S	7.5ft	10ft.	15.0	15.0	0.0	35	40	526 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	35	35	1052 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	35	35	210 Btuh
9	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	35	86	1370 Btuh
10	2, Clear, 0.87, None,N,N	E	7.83	10ft.	13.3	6.3	7.0	35	86	819 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	56.0	0.0	56.0	35	86	4794 Btuh
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526 Btuh
	Window Total				355 (sqft)					21126 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1396.7	2.7	3781 Btuh
2	Frame - Wood - Adj	13.0/0.09	148.0	2.1	315 Btuh
	Wall Total		1545 (sqft)		4096 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	12.3	245 Btuh
2	Insulated - Adjacent	20.0	12.3	245 Btuh
	Door Total	40 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1980.0	1.9	3720 Btuh
	Ceiling Total		1980 (sqft)		3720 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	224 (ft(p))	0.0	0 Btuh
	Floor Total		224.0 (sqft)		0 Btuh

			Envelope Subtotal:		29433 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	15040	1545	200.5	4610 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		6	X	230	+	2400	3780 Btuh
					Sensible Envelope Load:		37823 Btuh
Duct load					(DGM of 0.140)		5281 Btuh
					Sensible Load All Zones		**43104 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

8/16/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**37823**	**Btuh**
	Sensible Duct Load	5281	Btuh
	Total Sensible Zone Loads	**43104**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**43104**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6412	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	565	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**8178**	**Btuh**
	TOTAL GAIN	**51282**	**Btuh**

EQUIPMENT

1. Central Unit	#	41000 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
Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 8/16/2007

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	35	86	6420 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	6.0	0.0	6.0	35	86	514 Btuh
3	2, Clear, 0.87, None,N,N	N	7.5ft	10ft.	40.0	0.0	40.0	35	35	1402 Btuh
4	2, Clear, 0.87, None,N,N	W	10.5f	10ft.	63.0	51.4	11.6	35	86	2793 Btuh
5	2, Clear, 0.87, None,N,N	SW	10.5f	10ft.	20.0	20.0	0.0	35	69	701 Btuh
6	2, Clear, 0.87, None,N,N	S	7.5ft	10ft.	15.0	15.0	0.0	35	40	526 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	35	35	1052 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	35	35	210 Btuh
9	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	35	86	1370 Btuh
10	2, Clear, 0.87, None,N,N	E	7.83	10ft.	13.3	6.3	7.0	35	86	819 Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	56.0	0.0	56.0	35	86	4794 Btuh
12	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	35	40	526 Btuh
	Window Total				355 (sqft)					21126 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1396.7	2.7	3781 Btuh
2	Frame - Wood - Adj	13.0/0.09	148.0	2.1	315 Btuh
	Wall Total		1545 (sqft)		4096 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	12.3	245 Btuh
2	Insulated - Adjacent	20.0	12.3	245 Btuh
	Door Total	40 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1980.0	1.9	3720 Btuh
	Ceiling Total		1980 (sqft)		3720 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	224 (ft(p))	0.0	0 Btuh
	Floor Total		224.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		29433 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	15040	1545	175.5	4610 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	2400	3780 Btuh
				Sensible Envelope Load:		37823 Btuh
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.140)		5281 Btuh
				Sensible Zone Load		**43104 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

Code Only
Professional Version
Climate: North

8/16/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**37823 Btuh**
	Sensible Duct Load	5281 Btuh
	Total Sensible Zone Loads	**43104 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**43104 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6412 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	565 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**8178 Btuh**
	TOTAL GAIN	**51282 Btuh**

EQUIPMENT

1. Central Unit	#	41000 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

Lake City, FL 32025-

Project Title:
Cady Homes & Associates - Lot 46

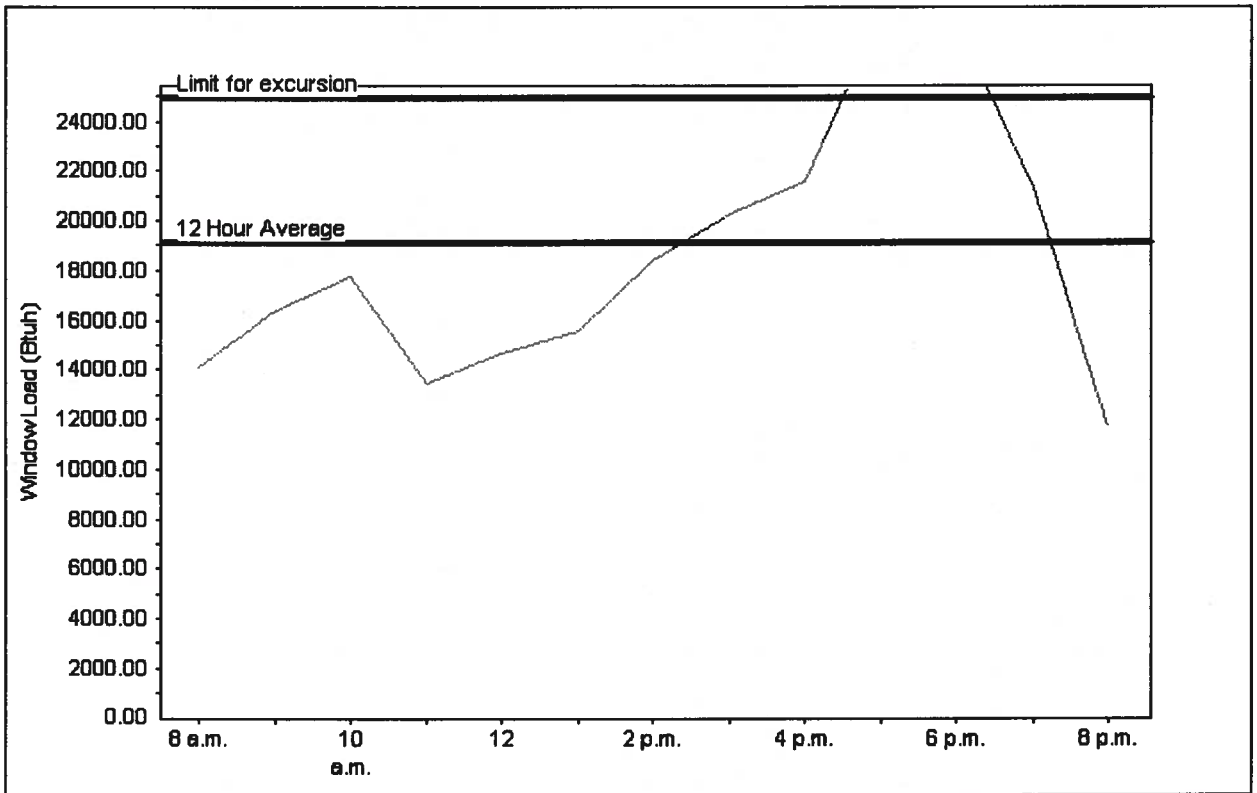
Code Only
Professional Version
Climate: North

8/16/2007

Weather data for: Gainesville - User customized

Summer design temperature	99 F	Average window load for July	19152 Btu
Summer setpoint	75 F	Peak window load for July	28720 Btu
Summer temperature difference	24 F	Excusion limit(130% of Ave.)	24897 Btu
Latitude	29 North	Window excursion (July)	3823 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

Building Code Information System

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Authorization | Organization Search | Organization Accreditation

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

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

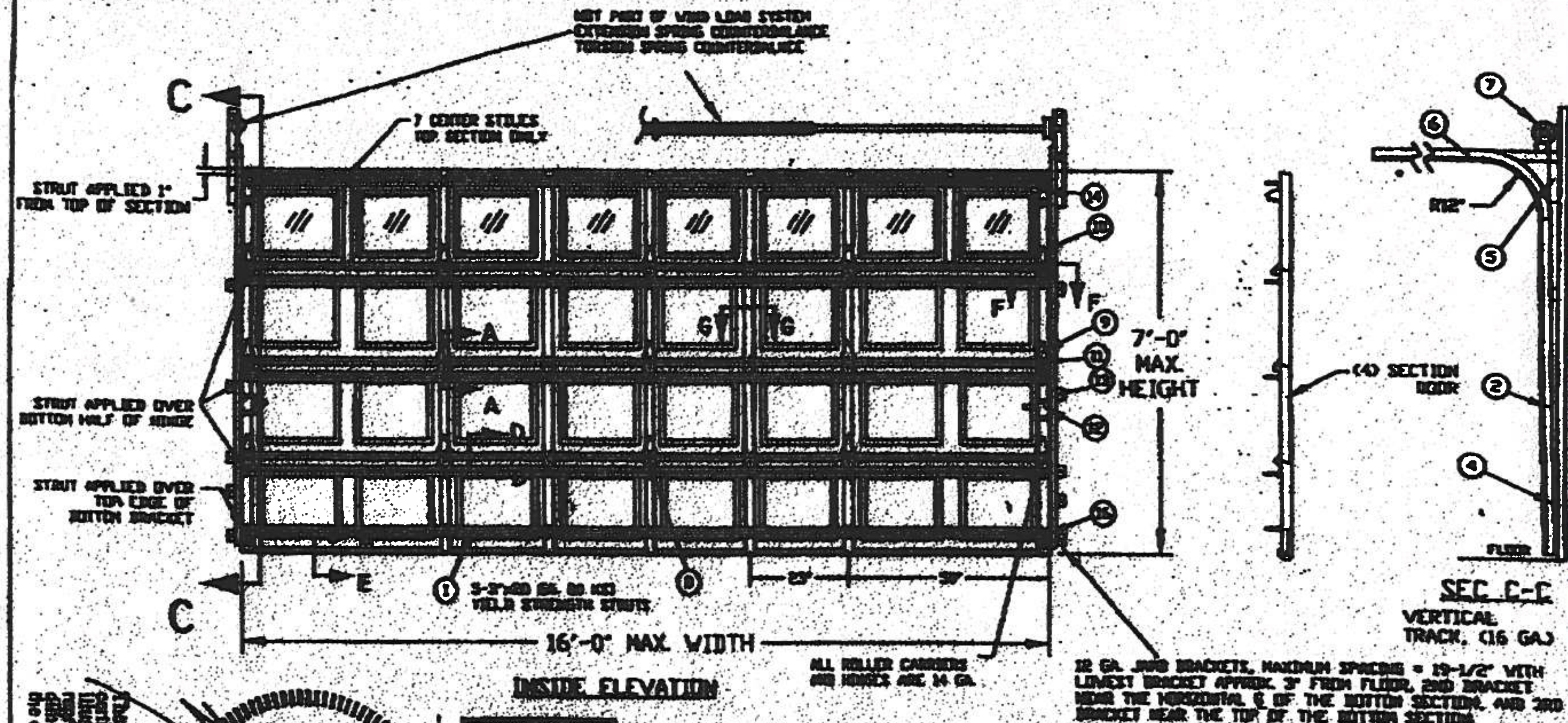
Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	[illegible] Campbell	[illegible]	Product Manufacturer	11/01/2099	Approved
Org Code: [illegible] System ID: 3585			Site Link: [illegible]			

Displaying 1-1 of 1

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 18.00" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MAXIMUM LENGTH OF ROLLER STEM IS 5 1/2" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR (2 AS TESTED)
9. [illegible] IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

SEAL
PE No. 034800

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

LISTED

REPORT NO. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 [illegible]

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

GADCO DOORS
SERIES 2400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7025, EXTERIOR STEEL =.017" MIN
SERIES 7524, EXTERIOR STEEL =.024" MIN
(TESTED WITH WINDOWS)

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 20 GA. SIZE	STRUTS 20 GA. QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

GADCO

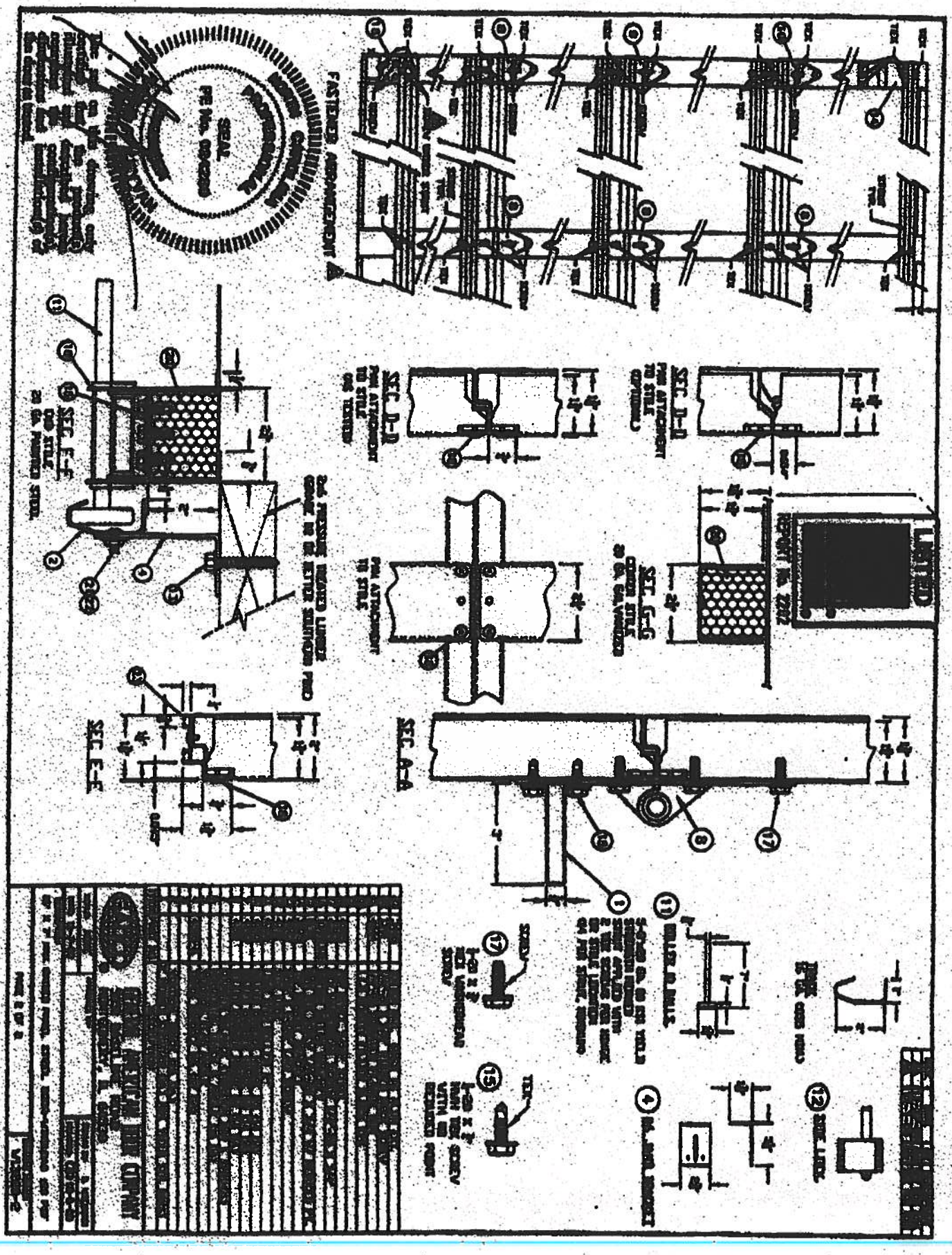
GENERAL AMERICAN DOOR COMPANY
3050 BASELINE ROAD
MONTGOMERY, IL 60538

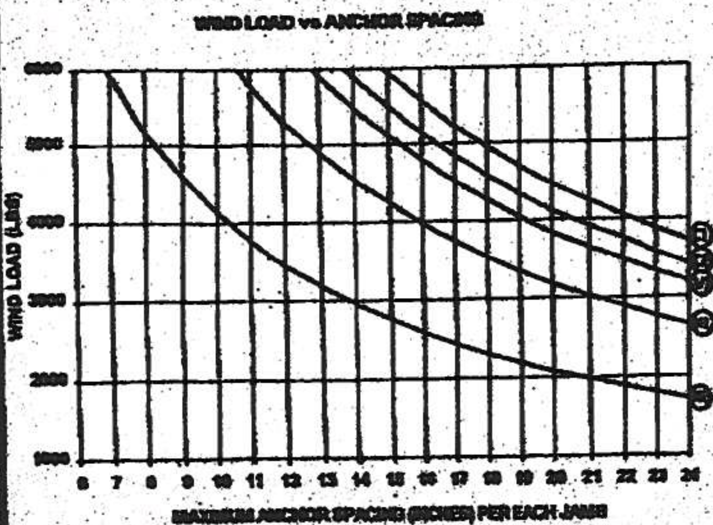
REVISION (A) [illegible]

16' X 7' MAX RAISED PANEL STEEL DOOR - WINDLOAD ±20 PSF

PAGE 1 OF 2

V13220-1





2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

NOTES:

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

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

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

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

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

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

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

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

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

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

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

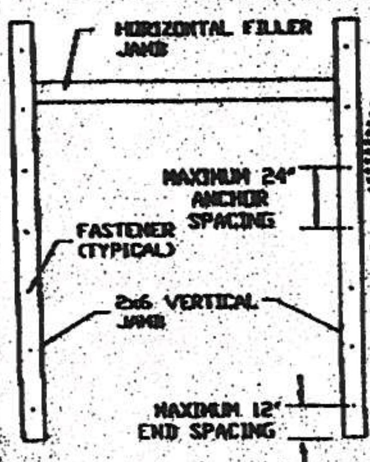
DESIGN LOAD (LBS/FT²) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

EXAMPLE

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

(1) USE 22" SPACING
(2) USE 21" SPACING
(3) USE 19" SPACING
(4) USE 16" SPACING
(5) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL ENGINEER

VASER R. KEYVAN — STATE OF FLORIDA — PROFESSIONAL ENGINEER

3/8/2002

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

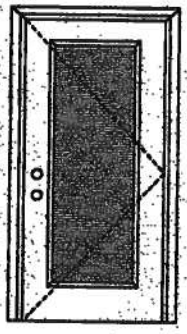
JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS

X
Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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

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

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

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

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


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


107 Series*


108 Series


304 Series

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

Johnson™ EntrySystems

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

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

Y
Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Test Data Review Certificate #30254A7A and COP/Test Report Validation Matrix #30254A7A-001 provides additional information - available from the ITS/WH website (www.atlasmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson Entry Systems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

ELK

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size ____ 13¼" x 39⅜"
Exposure ____ 5⅝"
Pieces/Bundle ____ 16
Bundles/Square ____ 4/98.5 sq.ft.
Squares/Pallet ____ 11

50-year limited warranty period: 5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Prestique I *High Definition*

Product size ____ 13¼" x 39⅜"
Exposure ____ 5⅝"
Pieces/Bundle ____ 16
Bundles/Square ____ 4/98.5 sq.ft.
Squares/Pallet ____ 14

40-year limited warranty period: 5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

Prestique *High Definition*

Product size ____ 13¼" x 38⅜"
Exposure ____ 5⅝"
Pieces/Bundle ____ 22
Bundles/Square ____ 3/100 sq.ft.
Squares/Pallet ____ 16

30-year limited warranty period: 5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Raised Profile

Product size ____ 13¼" x 38⅜"
Exposure ____ 5⅝"
Pieces/Bundle ____ 22
Bundles/Square ____ 3/100 sq.ft.
Squares/Pallet ____ 16

30-year limited warranty period: 5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12" x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Vented RidgeCrest™ w/*FLX*™

Size: 13" x 13¼"
Exposure: 9¼"
Pieces/Box: 28
Coverage: 5 boxes = 100 linear feet

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.
** Effective January 1, [illegible], the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of [illegible]
***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or [illegible], at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

Scope: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula *FLX*.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula *FLX* with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

Southeast & Atlantic Office: 800.945.5551

Corporate Headquarters: 800.354.7732

Plant Location: 800.945.5545

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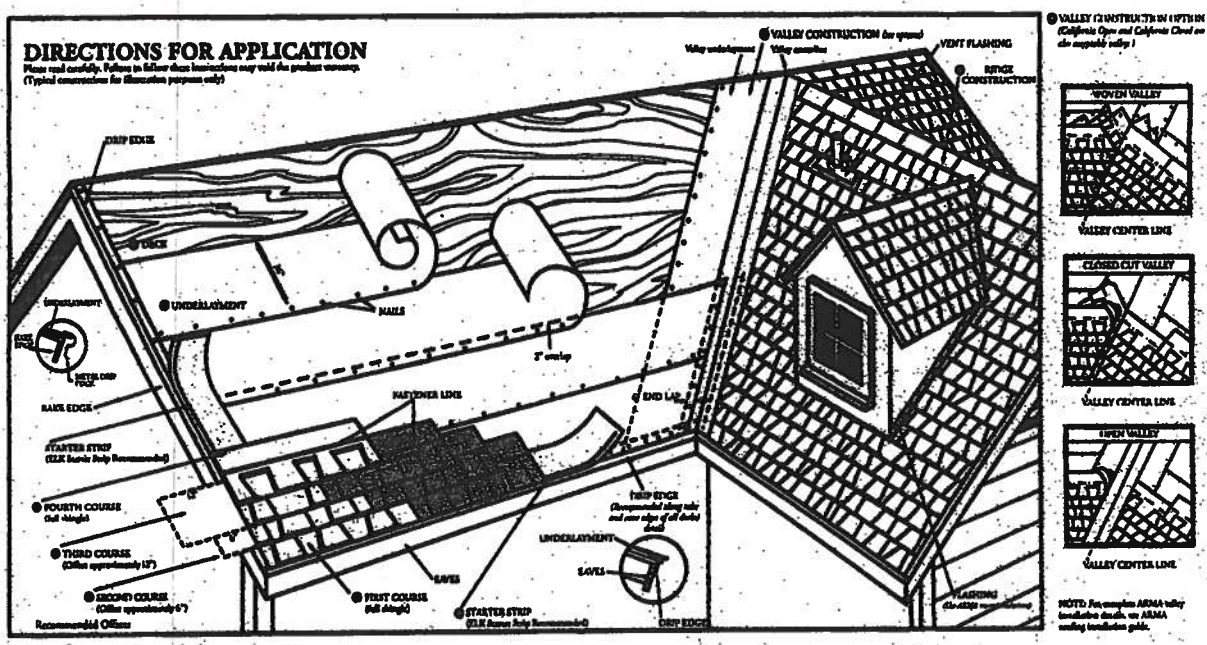
www.elkcorp.com

SS08T 06/04



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

① DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

② UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

③ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

④ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

⑤ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

⑥ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

⑦ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

⑧ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

⑨ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z-Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest® with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only; 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

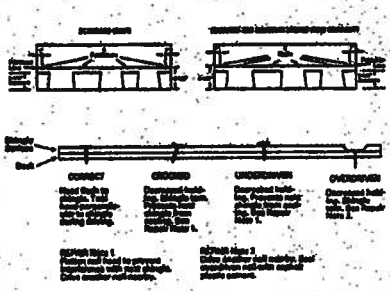
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 60 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-8" WELLS

[redacted]

DONALD AND MARY HALL
OWNERS

PHONE (904) 755-[illegible]
FAX (904) 755-[illegible]
[illegible]
LAKE CITY, FLORIDA [illegible]
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft^2
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES CERTIFICATE NO. 13354 STATE OF FLORIDA PROFESSIONAL ENGINEER

Architectural Testing

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

Rendered to:

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002

REEVES ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
NO. 15354

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

ALLEN H. REEVES CERTIFICATE NO. 15??? STATE OF FLORIDA PROFESSIONAL ENGINEER

Allen H. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max.
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

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

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 1[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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

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

LEN N. REEVES
CERTIFICATE No. 19334
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Len N. Reeves
1 APRIL 2002

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

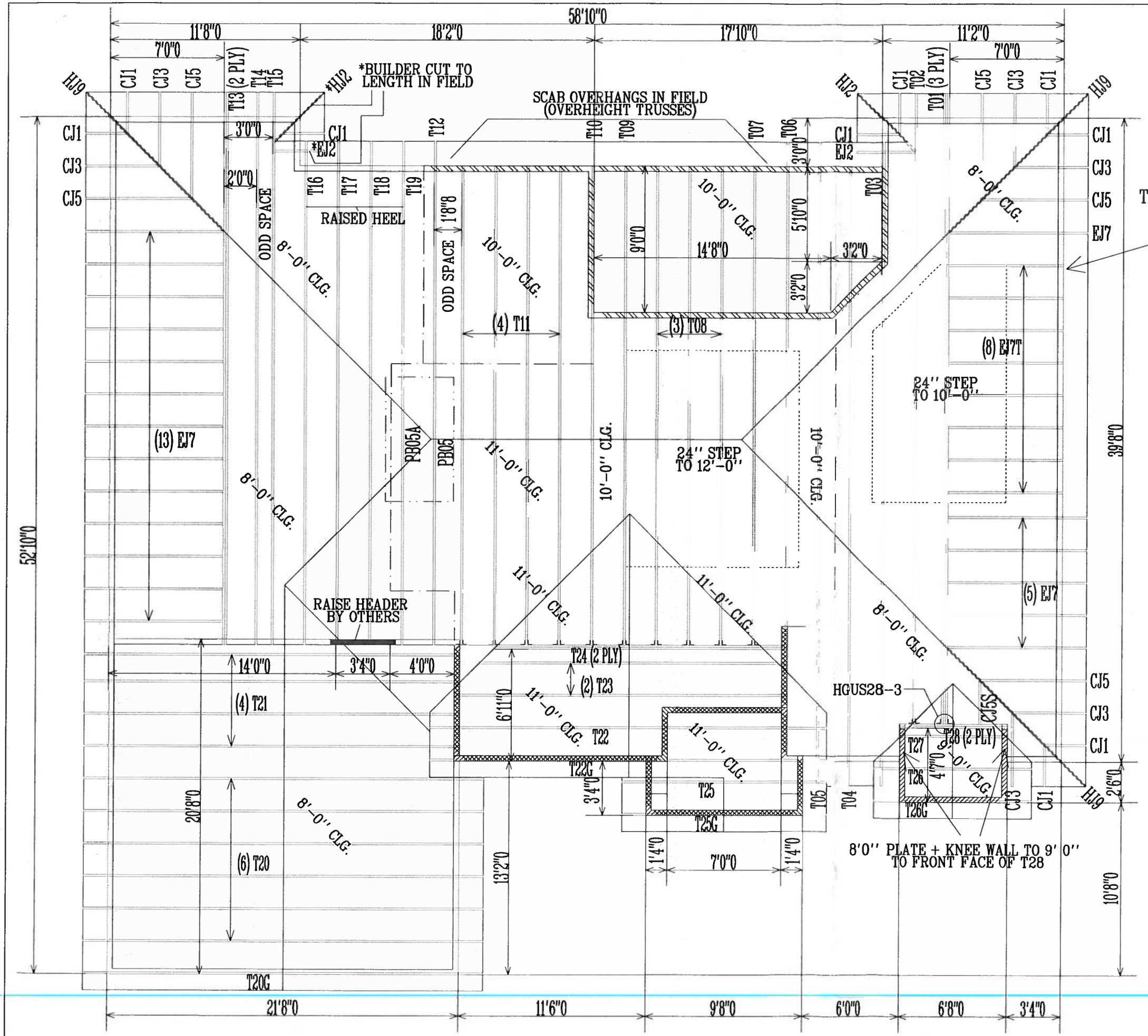
For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

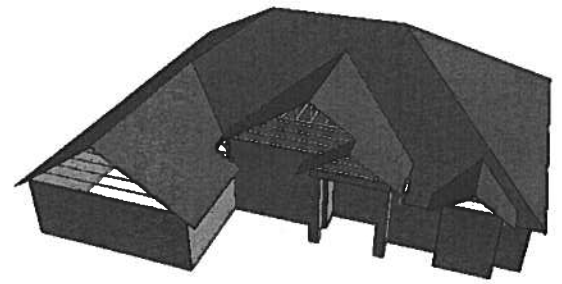
Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

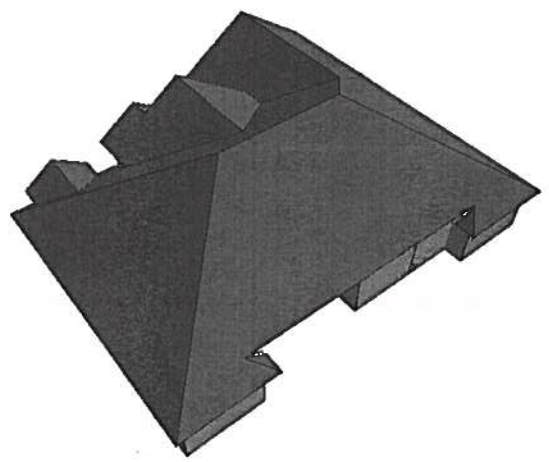
MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE NO. 19306
STATE OF FLORIDA
PROFESSIONAL ENGINEER



TOP CHORD BRG END JACKS FOR MAX RISE IN STEP FRAME OVERHANGS IN FIELD BY BUILDER





HANGER SCHEDULE

(11) HTU26
(1) HGUS28-3

BEARING HEIGHT SCHEDULE

	8'-0"
	9'-0"
	10'-0"
	11'-0"

OVERHANG 1'-6"
ROOF PITCH(S) 8/12

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) 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.

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource
Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994
Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 904 755-6894 FAX: 904 755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: **CADY HOMES**
LEGAL ADDRESS: **ROLLING MEADOWS LOT 46**
MODEL: **1901**
REVISION:
SCALE: NTS
DATE: **02/22/07**
DRAWN BY: **BPC**
JOB #: **L227908**