Columbia County Building Permit Application

For Office Use Only Application # 0702-01 Date Received 2/7 By [illegible] Permit # 25502

Application Approved by - Zoning Official BLK Date 06.02.07 Plans Examiner OK JTH Date 2-2-07

Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.

Comments

☐ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit George Kerce 623-7996 Phone 386 752-6197 Fax

Address 472 SW Stewart Loop Lake City, Fla. 32024

Owners Name Mark & Lucy Edson Phone 386 758-6976

911 Address 162 SW Lexington Ct. Lake City, Fla. 32024

Contractors Name George Kerce Phone 386-752-6197

Address 472 SW Stewart Loop Lake City Fla 32024

Fee Simple Owner Name & Address Same as above

Bonding Co. Name & Address

Architect/Engineer Name & Address Nick Geisler & Will Myers Lake City, Fla.

Mortgage Lenders Name & Address N/A

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

Property ID Number 03023-129 15-4S-16 Estimated Cost of Construction $40,000

Subdivision Name Calloway Subdivision Lot 29 Block ___ Unit 1 Phase ___

Driving Directions CALLAHAN RD TO CALLAWAY S/D RT ON LEXINGTON CT. 3RD LOT ON RT.

Type of Construction Room Addition & Patio Number of Existing Dwellings on Property 1

Total Acreage .50 Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 72' East Side North 33' Side 67' South Rear 47 west

Total Building Height 17' Number of Stories 1 Heated Floor Area 408 TOTAL 640 Roof Pitch 4/12

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

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 Authorized Person by Notarized Letter

George Kerce
Contractor Signature

Contractors License Number RB0036027

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAURIE HODSON
MY COMMISSION # DD336[illegible]
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters
NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 01 day of February 2007.

Personally known ✓ or Produced Identification ___

Notary Signature

(Revised Sept. 2006)

OR 0866 PG 1892

THIS INSTRUMENT WAS PREPARED BY
TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

OFFICIAL RECORDS
98-15804

Rec 10.50
FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL
1998 SEP 30 AM 11:06

RETURN TO:
TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Grantee #1 S.S. No. 264-13-5215
Grantee #2 S.S. No. 486-98-8472

Documentary Stamp $1627.90
Intangible Tax
P. DeWitt Cason
Clerk of Court
By D.C.

Property Appraiser's
Parcel Identification No.
15-4S-16-03223-129

WARRANTY DEED

THIS INDENTURE, made this 25th day of September, 1998, between WOODSCAPES, INC., a corporation existing under the laws of the State of Florida, whose post office address is Post Office Box 2378, Lake City, Florida 32056 and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and JOHN MARK EDSON and BETTY LUCILLE EDSON, Husband and Wife whose post office address is Route 22 Box 2702, Lake City, Florida 32056, of the County of Columbia, State of Florida, parties of the second part,

WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars ($10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said party of the second part, and its heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

Lot 29, CALLAWAY SUBDIVISION, UNIT ONE, a subdivision according to the plat thereof recorded in Plat Book 6, Page 153 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining:

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said party

of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part 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 party of the first part has caused these presents to be signed in its name by its President, and its corporate seal to be affixed, the day and year above written.

Signed, sealed and delivered in our presence:

DeEtte F. Brown

Lisa C. Ogburn

WOODSCAPES, INC.

By: BRIAN JOHNSON, VICE PRESIDENT

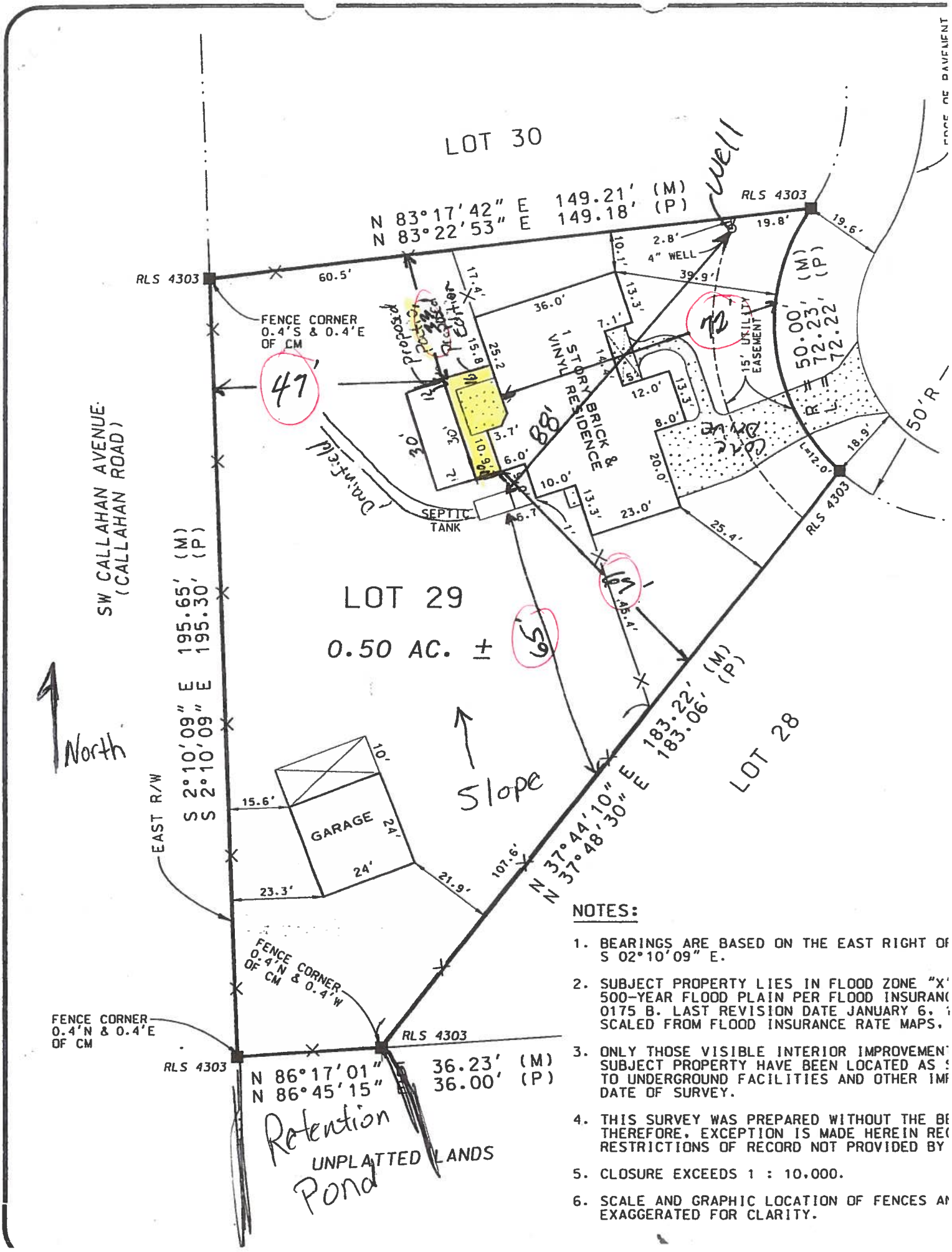
STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 25th day of September 1998, by BRIAN JOHNSON, VICE PRESIDENT of WOODSCAPES, INC., a State of Florida corporation, on behalf of the corporation. He is personally known to me and did not take an oath.

Notary Public
My Commission Expires:_____

LISA C. OGBURN
COMMISSION # CC 413243
EXPIRES OCT 13, 1998
BONDED THRU
ATLANTIC BONDING CO., INC.

OR 0866 PG 1893
OFFICIAL RECORDS



NOTES:

1. BEARINGS ARE BASED ON THE EAST RIGHT OF S 02°10'09" E.
2. SUBJECT PROPERTY LIES IN FLOOD ZONE "X" 500-YEAR FLOOD PLAIN PER FLOOD INSURANC 0175 B. LAST REVISION DATE JANUARY 6. SCALED FROM FLOOD INSURANCE RATE MAPS.
3. ONLY THOSE VISIBLE INTERIOR IMPROVEMEN SUBJECT PROPERTY HAVE BEEN LOCATED AS TO UNDERGROUND FACILITIES AND OTHER IM DATE OF SURVEY.
4. THIS SURVEY WAS PREPARED WITHOUT THE BE THEREFORE, EXCEPTION IS MADE HEREIN RE RESTRICTIONS OF RECORD NOT PROVIDED BY
5. CLOSURE EXCEEDS 1 : 10,000.
6. SCALE AND GRAPHIC LOCATION OF FENCES A EXAGGERATED FOR CLARITY.


SW CROSSBOW PL
SW
CALLAHAN AVE
SW NURSERY RD
SW BARNACLE PL
SW WILSHIRE DR
SW PHEASANT CT
SW STAFFORD CT
15-4S-16-03023-129
EDSON JOHN MARK & BETTY L
0.5AC | 9/25/1998 - $89,700 - I/Q

ADD to

Notice of Treatment 7341

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA Ave
City LC Phone 752-1705

Site Location: Subdivision Callaway
Lot # _____ Block# _____ Permit # 25502
Address 162 SW Lexington

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☑ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
ADDITION & PATIO	408	114	45

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

2/7/07	1430	FJS4
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

Columbia County Property Appraiser

DB Last Updated: 12/29/2006

2007 Proposed Values

Parcel: 15-4S-16-03023-129 HX

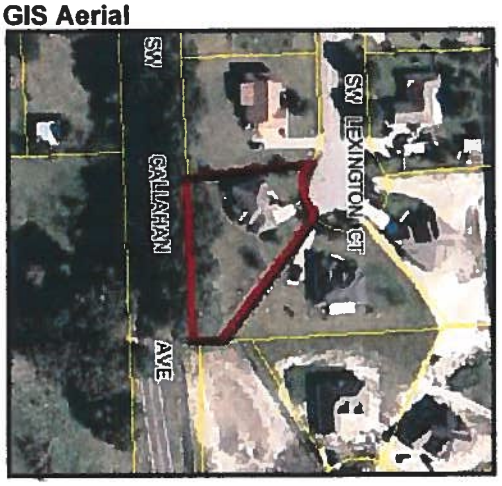
Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	EDSON JOHN MARK & BETTY L		
Site Address	LEXINGTON		
Mailing Address	162 SW LEXINGTON CT LAKE CITY, FL 32024		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	15416.05	**Tax District**	3
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.500 ACRES		
Description	LOT 29 CALLAWAY S/D UNIT 1. ORB 819-193, 835-1915, 866-1892,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$34,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$129,984.00
XFOB Value	cnt: (2)	$1,778.00
Total Appraised Value		$165,762.00

Just Value		$165,762.00
Class Value		$0.00
Assessed Value		$98,488.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		$73,488.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
9/25/1998	866/1892	WD	I	Q		$89,700.00
3/5/1997	835/1915	WD	V	Q		$13,900.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1997	Common BRK (19)	1548	2914	$129,984.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	1997	$1,278.00	852.000	0 x 0 x 0	(.00)
0120	CLFENCE 4	0	$500.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	$34,000.00	$34,000.00

Columbia County Property Appraiser

DB Last Updated: 12/29/2006

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0006/E

PART II - SITE PLAN

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

SEE Attached Drawing

Notes: _____

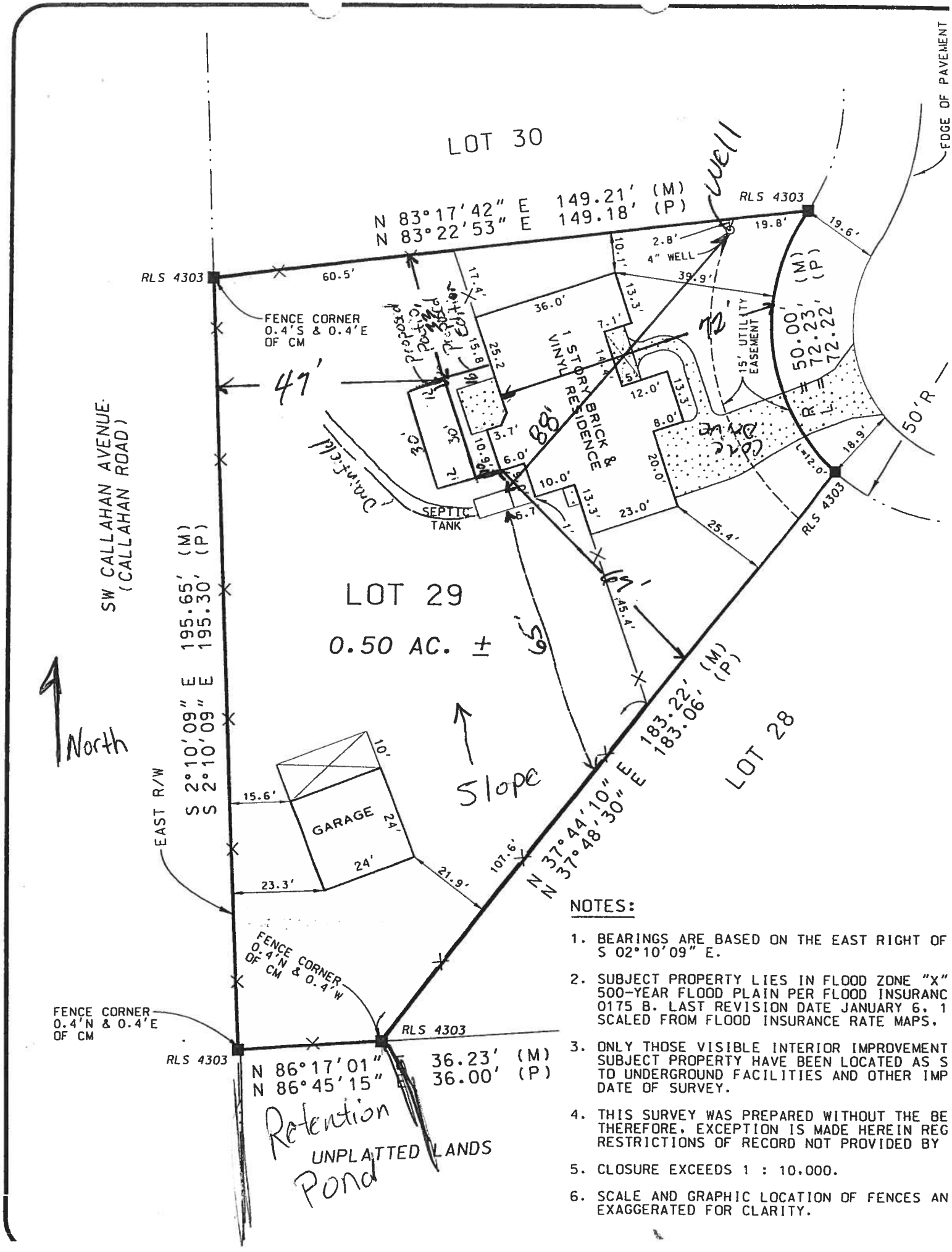
Site Plan submitted by: J. Mark Edson (Signature) Owner (Title)

Plan Approved ✓ Not Approved _____ Date 1-30-07

By Sallie Bradley EHS II COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/06 (Replaces HRS-H Form 4015 which may be used)



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5. CLOSURE EXCEEDS 1 : 10.000.
6. SCALE AND GRAPHIC LOCATION OF FENCES AN EXAGGERATED FOR CLARITY.

FORM 600A-2004 Tested sealed ducts must be certified in this house. EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**George Kerce - Edson Addition**	Builder:	
Address:	**Lot: , Sub: Callaway, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	25502
Owner:	**Mark & Lucy Edson**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 43.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	0	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1956 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.	(Sngle Default) 250.0 ft²	a. Electric Heat Pump	Cap: 43.0 kBtu/hr
b. SHGC:			HSPF: 6.80
(or Clear or Tint DEFAULT) 7b.	(Clear) 250.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=1.0, 208.0(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, 1394.0 ft²		EF: 0.90
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	PT,
a. Under Attic	R=30.0, 1956.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.13 Total as-built points: 24354 Total base points: 27750 **PASS**

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

PREPARED BY: _____

DATE: 1-30-07

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: , Sub: Callaway, Plat: , Lake City, FL,** 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	1956.0	20.04	7055.7	Single, Clear	N	1.5	8.0	15.0	21.73	0.97	315.3
				Single, Clear	E	1.5	8.0	30.0	47.92	0.96	1376.6
				Single, Clear	E	5.5	8.0	20.0	47.92	0.62	594.3
				Single, Clear	E	5.5	8.0	30.0	47.92	0.62	891.4
				Single, Clear	S	1.5	8.0	30.0	40.81	0.92	1130.4
				Single, Clear	E	1.5	8.0	20.0	47.92	0.96	917.7
				Single, Clear	S	1.5	8.0	15.0	40.81	0.92	565.2
				Single, Clear	W	1.5	8.0	60.0	43.84	0.96	2520.1
				Single, Clear	W	6.5	8.0	30.0	43.84	0.58	761.5
				As-Built Total:				**250.0**			**9072.2**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1394.0	1.50	2091.0
Exterior	1394.0	1.70	2369.8					
Base Total:	**1394.0**		**2369.8**	**As-Built Total:**		**1394.0**		**2091.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	4.10	82.0				
Base Total:	**20.0**		**82.0**	**As-Built Total:**	**20.0**		**82.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1956.0	1.73	3383.9	Under Attic	30.0	1956.0	1.73 X 1.00	3383.9
Base Total:	**1956.0**		**3383.9**	**As-Built Total:**		**1956.0**		**3383.9**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	208.0(p)	-37.0	-7696.0	Slab-On-Grade Edge Insulation	1.0	208.0(p	-39.87	-8292.3
Raised	0.0	0.00	0.0					
Base Total:			**-7696.0**	**As-Built Total:**		**208.0**		**-8292.3**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1956.0	10.21	19970.8	1956.0	10.21	19970.8

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Callaway, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 25166.1			**Summer As-Built Points:**					**26307.6**
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 43000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			26308	1.00	(1.09 x 1.000 x 0.91)	0.310	0.950	7691.6
25166.1	**0.4266**	**10735.9**	**26307.6**	**1.00**	**0.992**	**0.310**	**0.950**	**7691.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Callaway, Plat: , Lake City, FL,** 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	1956.0	12.74	4485.5	Single, Clear	N	1.5	8.0	15.0	33.22	1.00	498.7	
				Single, Clear	E	1.5	8.0	30.0	26.41	1.02	808.0	
				Single, Clear	E	5.5	8.0	20.0	26.41	1.19	628.3	
				Single, Clear	E	5.5	8.0	30.0	26.41	1.19	942.4	
				Single, Clear	S	1.5	8.0	30.0	20.24	1.04	632.1	
				Single, Clear	E	1.5	8.0	20.0	26.41	1.02	538.7	
				Single, Clear	S	1.5	8.0	15.0	20.24	1.04	316.1	
				Single, Clear	W	1.5	8.0	60.0	28.84	1.01	1749.6	
				Single, Clear	W	6.5	8.0	30.0	28.84	1.14	990.5	
				As-Built Total:				**250.0**			**7104.4**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1394.0	3.40		4739.6	
Exterior	1394.0	3.70	5157.8									
Base Total:	**1394.0**		**5157.8**	**As-Built Total:**				**1394.0**			**4739.6**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0									
Base Total:	**20.0**		**168.0**	**As-Built Total:**				**20.0**			**168.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1956.0	2.05	4009.8	Under Attic			30.0	1956.0	2.05 X 1.00		4009.8	
Base Total:	**1956.0**		**4009.8**	**As-Built Total:**				**1956.0**			**4009.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	208.0(p)	8.9	1851.2	Slab-On-Grade Edge Insulation			1.0	208.0(p	15.63		3251.7	
Raised	0.0	0.00	0.0									
Base Total:			**1851.2**	**As-Built Total:**				**208.0**			**3251.7**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1956.0	-0.59	-1154.0					1956.0	-0.59		-1154.0	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Callaway, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**14518.3**	**Winter As-Built Points:**					**18119.5**
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 43000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
14518.3	**0.6274**	**9108.8**	18119.5 **18119.5**	1.000 **1.00**	(1.069 x 1.000 x 0.93) **0.994**	0.501 **0.501**	0.950 **0.950**	8581.8 **8581.8**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Callaway, Plat: , Lake City, FL,** 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	
0	2635.00	7905.0		50.0	0.90	0	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
10736	**9109**	**7905**	**27750**	**7692**	**8582**	**8081**	**24354**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Callaway, Plat: , Lake City, FL,** 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* = 85.6

The higher the score, the more efficient the home.

Mark & Lucy Edson, Lot: , Sub: Callaway, Plat: , Lake City, FL,

1.	New construction or existing	Addition			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	0			
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1956 ft²			
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description	Area		
	(or Single or Double DEFAULT)	7a	(Sngle Default) 250.0 ft²		
	b. SHGC:				
	(or Clear or Tint DEFAULT)	7b.	(Clear) 250.0 ft²		
8.	Floor types				
	a. Slab-On-Grade Edge Insulation		R=1.0, 208.0(p) ft		
	b. N/A				
	c. N/A				
9.	Wall types				
	a. Frame, Wood, Exterior		R=13.0, 1394.0 ft²		
	b. N/A				
	c. N/A				
	d. N/A				
	e. N/A				
10.	Ceiling types				
	a. Under Attic		R=30.0, 1956.0 ft²		
	b. N/A				
	c. N/A				
11.	Ducts(Leak Free)				
	a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.0 ft		
	b. N/A				
12.	Cooling systems				
	a. Central Unit			Cap: 43.0 kBtu/hr	
				SEER: 11.00	
	b. N/A				
	c. N/A				
13.	Heating systems				
	a. Electric Heat Pump			Cap: 43.0 kBtu/hr	
				HSPF: 6.80	
	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			PT,	
	(CF-Ceiling fan, CV-Cross ventilation,				
	HF-Whole house fan,				
	PT-Programmable Thermostat,				
	MZ-C-Multizone cooling,				
	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:	George Kerce - Edson Addition	Builder:	
Address:		Permitting Office:	
City, State:	Lake City, FL	Permit Number:	
Owner:	Mark & Lucy Edson	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: _____

25502

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 15-4S-16-03023-129 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
Lot 29 Callaway S/D Unit 1
162 SW Lexington CT Lake City, FL 32024

2. **General description of improvement:** Room addition + patio

3. **Owner Name & Address** Mark Edson 162 SW Lexington CT Lake City, FL 32024 **Interest in Property** owner

4. **Name & Address of Fee Simple Owner (if other than owner):** N/A

5. **Contractor Name** George Kerce **Phone Number** 386 752-6197
Address 472 SW Stewart Loop Lake City, FL 32024

6. **Surety Holders Name** N/A **Phone Number** N/A
Address N/A
Amount of Bond N/A

7. **Lender Name** N/A **Phone Number** N/A
Address N/A

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name George Kerce **Phone Number** 386 752-6197
Address 472 SW Stewart Loop Lake City, FL 32024

9. **In addition to himself/herself the owner designates** N/A N/A **of to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
(a) 7. Phone Number of the designee N/A

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

J. Mark Edson
Signature of Owner

Sworn to (or affirmed) and subscribed before day of January 29, 20 07

NOTARY STAMP/SEAL

Cindy Stanford
Commission # DD444049
Expires July 29, 2007
Bonded Troy Fain - Insurance, Inc 800-385-7019

Cindy Stanford
Signature of Notary

Inst:2007002966 Date:02/07/2007 Time:09:59
DC,P.DeWitt Cason,Columbia County B:1110 P:200

FLORIDA DEPARTMENT OF Community Affairs

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Community Affairs

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

Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL1214-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Alenco
Address/Phone/Email	615 Carson Bryan, TX 77802 (979) 779-7770 ext 343 mkoppers@alenco.com
Authorized Signature	Martin Koppers mkoppers@alenco.com
Technical Representative Address/Phone/Email	Martin Koppers 615 Carson St. Bryan, TX 77802 mkoppers@alenco.com
Quality Assurance Representative Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management

Referenced Standard and Year (of Standard)	**Standard** AAMA/NWWDA 101/I.S.2
Equivalence of Product Standards Certified By	
Sections from the Code	1707.4.2.1
Product Approval Method	Method 1 Option A
Date Submitted	06/08/2005
Date Validated	08/04/2005
Date Pending FBC Approval	06/18/2005
Date Approved	08/05/2005

Summary of Products

FL #	Model, Number or Name	Description
1214.1	1111	Vinyl Tilt Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 1111: 48X72 R(35) Tested with DS annealed,44X72 R(40)Tested with SS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Ce** **Installation Instruction** PTID 1214 R1 I FL INS INSTRUCTIONS - Aluminu PTID 1214 R1 I INSTAI INSTRUCTIONS - Vinyl B. Verified By:
1214.2	3753	Aluminum Tilt Single Hun
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 3753:44X72 R(40) Tested with Tested with DS annealed.For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Ce** **Installation Instruction** Verified By:
1214.3	4710F	Aluminum Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/-		**Certification Agency Ce** **Installation Instruction** Verified By:

Other: 4710F:48X72 R(40)/DP(50), Tested with DS annealed glass.For smaller window sizes, glass to comply with ASTM E1300-02.

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

ALENCO Windows
NFRC Thermal Performance

	Series	Type	Frame	Glass Type	Muntins (Y/N)	U-Factor	R-Value	SHGC	VLT
Aluminum Products	701 / 701N / 701F	P.W.	Aluminum	Clear	N	0.61	1.64	0.67	0.73
	4701F	P.W.	Aluminum	Clear	N	0.61	1.64	0.68	0.71
	3710 / 3710N / 3710F	S.H.	Aluminum	Clear	N	0.69	1.45	0.65	0.68
	4710F	S.H.	Aluminum	Clear	N	0.66	1.52	0.65	0.67
	3752 / 3753	S.H.	Aluminum	Clear	N	0.68	1.47	0.67	0.69
	3724 / 3724N	H.S.	Aluminum	Clear	N	0.70	1.43	0.63	0.67
	701 / 705 / 701N / 701F	P.W.	Aluminum	Clear	Y	0.62	1.61	0.61	0.66
	4701F	P.W.	Aluminum	Clear	Y	0.61	1.64	0.61	0.64
	3710 / 3710N / 3710F	S.H.	Aluminum	Clear	Y	0.70	1.43	0.59	0.61
	4710F	S.H.	Aluminum	Clear	Y	0.66	1.52	0.58	0.60
	3752 / 3753	S.H.	Aluminum	Clear	Y	0.68	1.47	0.60	0.62
	3724 / 3724N	H.S.	Aluminum	Clear	Y	0.71	1.41	0.57	0.60
	701 / 705 / 701N / 701F	P.W.	Aluminum	Low E 170	N	0.51	1.96	0.36	0.62
	4701F	P.W.	Aluminum	Low E 170	N	0.46	2.17	0.33	0.60
	3710 / 3710N / 3710F	S.H.	Aluminum	Low E 170	N	0.54	1.85	0.32	0.58
	4710F	S.H.	Aluminum	Low E 170	N	0.52	1.92	0.32	0.57
	3752 / 3753	S.H.	Aluminum	Low E 170	N	0.54	1.85	0.33	0.59
	3724 / 3724N	H.S.	Aluminum	Low E 170	N	0.58	1.72	0.32	0.57
	701 / 705 / 701N / 701F	P.W.	Aluminum	Low E 170	Y	0.52	1.92	0.33	0.56
	4701F	P.W.	Aluminum	Low E 170	Y	0.46	2.17	0.30	0.54
	3710 / 3710N / 3710F	S.H.	Aluminum	Low E 170	Y	0.54	1.85	0.29	0.52
	4710F	S.H.	Aluminum	Low E 170	Y	0.52	1.92	0.29	0.51
	3752 / 3753	S.H.	Aluminum	Low E 170	Y	0.55	1.82	0.30	0.53
	3724 / 3724N	H.S.	Aluminum	Low E 170	Y	0.60	1.67	0.29	0.51
	701 / 705 / 701N / 701F	P.W.	Aluminum	Low E 140	N	0.48	2.08	0.24	0.35
	4701F	P.W.	Aluminum	Low E 140	N	0.47	2.13	0.23	0.35
	3710 / 3710N / 3710F	S.H.	Aluminum	Low E 140	N	0.56	1.79	0.23	0.33
	3752 / 3753	S.H.	Aluminum	Low E 140	N	0.54	1.85	0.24	0.34
	4710F	S.H.	Aluminum	Low E 140	N	0.53	1.89	0.23	0.33
	3724 / 3724N	H.S.	Aluminum	Low E 140	N	0.58	1.72	0.23	0.32
	701 / 705 / 701N / 701F	P.W.	Aluminum	Low E 140	Y	0.51	1.96	0.22	0.32
	4701F	P.W.	Aluminum	Low E 140	Y	0.47	2.13	0.21	0.31
	3710 / 3710N / 3710F	S.H.	Aluminum	Low E 140	Y	0.57	1.75	0.21	0.30
	3752 / 3753	S.H.	Aluminum	Low E 140	Y	0.56	1.79	0.22	0.30
	4710F	S.H.	Aluminum	Low E 140	Y	0.53	1.89	0.21	0.29
	3724 / 3724N	H.S.	Aluminum	Low E 140	Y	0.60	1.67	0.21	0.29

NCTL

NATIONAL CERTIFIED TESTING LABORATORIES

FIVE LEIGH DRIVE • YORK, PENNSYLVANIA 17402 • TELEPHONE (717) 846-1200
FAX (717) 767-4100
www.nctlinc.com

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-110-8103-1
Test Date: 03/16/02
Report Date: 04/08/02
Expiration Date: 03/31/06

Client: *Alenco*
615 Carson Street
Bryan, TX 77803

Test Specimen: *Alenco's Series "3753" Single Hung Aluminum Prime Window (H-R40 44x72).*

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

TEST SPECIMEN DESCRIPTION

General: *The test specimen was a one-over-one tilt single hung aluminum prime window measuring 44" wide by 72" high overall. The active sash measured 42-3/8" wide by 36" high overall. The fixed sash was fastened to the frame providing a viewing area of 40-1/2" wide by 33-3/16" high. The active sash was removable via a spiral type balance with locking tilt shoe located in each interior jamb track. One (1) metal cam type sweep lock was located 6" from each end of the active meeting rail. The metal keeper was extruded into the fixed meeting rail. One (1) plastic tilt latch with thumb actuator was located at ech end of the active meeting rail. One (1) zinc die cast pivot bar was fastened with one (1) screw at each end of the active sash bottom rail. The frame was of double screw butt-type corner construction. The active sash was of single screw butt-type corner construction. The fixed sash was of single screw butt-type corner construction. The fixed sash was fastened to each frame jamb with a metal bracket and three (3) screws.*

Glazing: *Both the active sash and the fixed lite were interior glazed using an adhesive silicone backbedding and interior snap-in vinyl glazing bead. The overall insulating glass thickness was 5/8" consisting of two (2) lites of double strength annealed glass and one (1) air space created by a desiccant matrix steel spacer system.*

Weatherseals: *A single strip of center fin weatherstrip (0.230" high) was located at the interior face of the fixed sash stiles. A single strip of center fin weatherstrip (0.230" high) was located at the exterior face of the active sash stiles. A single strip of center fin weatherstrip (0.200" high) was located at the lateral faces of the active sash stiles. A single strip of center fin weatherstrip (0.270" high) was located at the exterior face of the active sash meeting rail. A single strip of bulb-vinyl weatherstrip (0.360" in diameter) was located at the exterior side of the active sash bottom rail.*

Weeps: *One weep notch measuring 1-3/8"x 5/32" was located at each end of the exterior sill face. One (1) weep hole measuring 0.290" x 0.125" was located 1" from each end of the active sash bottom rail. One (1) weep hole measuring 0.290" x 0.125" was located 1" from each end of the fixed meeting rail.*

Interior & Exterior Surface Finish: *White painted aluminum.*

Sealant: *The sill to jamb joints were sealed with a small joint sealant.*

Screen: *An insect screen measuring 42-1/2" wide by 36" high was of butt type corner construction with nylon corner keys. The screen employed fiberglass mesh cloth with a vinyl spline and two (2) pull tabs and two (2) retainer springs.*

Testing Performed at: *Alenco Holding Corporation's testing facility in Bryan, TX.*

TEST RESULTS

Par. No.	Title of Test & Method	Measured	Allowed
2.2.1.6.1	Operating Force		
	Active Sash Up	18 lbf	30 lbf
	Down	22 lbf	30 lbf
2.2.1.6.2	Deglazing - ASTM E987		
	Active Sash		
	Meeting Rail (70 lbf)	<1 % (0.001")	<100%
	Bottom Rail (70 lbf)	<1 % (0.002")	<100%
	Left Hand Stile (50 lbf)	<1 % (0.001")	<100%
	Right Hand Stile (50 lbf)	<1 % (0.002")	<100%
2.1.2	Air Infiltration - ASTM E283		
	1.57 psf (25 mph)	0.2 cfm/ft²	0.3 cfm/ft²
2.1.3 *	Water Resistance - ASTM E547		
	5.0 gph/ft²		
	WTP = 2.86 psf	No Leakage	No Leakage
2.1.4.2 **	Uniform Load Structural - ASTM E330		
	22.5 psf Exterior	0.008"	0.170"
	22.5 psf Interior	0.010"	0.170"
2.1.8	Forced Entry Resistance - ASTM F588		
	Grade 10	Meets As Stated	
	(See Appendix A for test results)		

OPTIONAL PERFORMANCE

Par. No.		Title of Test & Method	Measured	Allowed
4.3	*	Water Resistance - ASTM E547 5.0 gph/ft² WTP = 6.00 psf	No Leakage	No Leakage
4.4.2	**	Uniform Load Structural - ASTM E330 60.0 psf Exterior 60.0 psf Interior	0.068" 0.133"	0.170" 0.170"

* Tested with and without screen
** No glass breakage or permanent damage causing the unit to be inoperable

TEST COMPLETED 03/16/02

The tested specimen meets (or exceeds) the performance levels specified in Table 2.1 of AAMA/NWWDA 101/I.S.2-97 for air infiltration. The listed results were secured by using the designated test methods and indicate compliance with the performance requirements of the referenced specification paragraphs for the H-R40 44x72 product designation.

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

NATIONAL CERTIFIED TESTING LABORATORIES

Dr. W. Lynn Beason
Laboratory Representative

WLB/amb

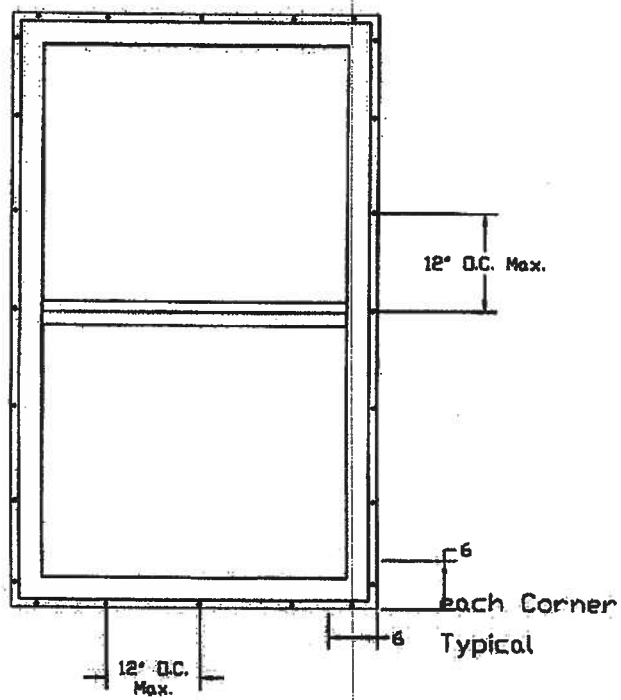
APPENDIX A
Forced Entry Resistance Test Results

Test Method: *ASTM F588-97, "Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact".*

TEST RESULTS

Paragraph No.	Loads	Duration	Measured	Allowed
10.1-Hand Manipulation		5 Minutes	No Entry	No Entry
10.2.1.1-Test A1	L1=150 lbf	1 Minute	No Entry	No Entry
10.2.1.2-Test A2	L1=150 lbf L2= 75 lbf interior	1 Minute	No Entry	No Entry
10.2.1.3-Test A3	L1=150 lbf L2= 75 lbf exterior	1 Minute	No Entry	No Entry
10.2.1.4-Test A4	L1=150 lbf L2= 75 lbf interior	1 Minute	No Entry	No Entry
10.2.1.5-Test A5	L1=150 lbf L2= 75 lbf exterior	1 Minute	No Entry	No Entry
10.2.1.7-Test A7	L1=150 lbf L2= 75 lbf interior L3= 25 lbf exterior	1 Minute	No Entry	No Entry
10.2.1.8-Lock Manipulation		5 Minutes	No Entry	No Entry
10.2.4.1 Fixed Lite Lock Manipulation		5 Minutes	No Entry	No Entry

Installation Detail of 3753 / 3705



Before setting window, be sure that the opening is square, level and plumb.

Opening size should be no more than 3/4" larger than window size.

Apply a continuous bead of silicone sealant (ASTM grade C920) to nail fin. Set window into opening shimming to insure that it is centered and that there is no more than 3/8" clearance between the window and the framing on any side.

Check window to insure that it is square. (Note: sash must remain closed during installation). Fasten window to wood framing as shown using 6d or larger nails. Nails must penetrate framing by a minimum of 1".

Check perimeter of nail fin to insure that there are no voids between the silicone, framing, and nail fin.
rec

DO NOT:
Plug weep holes at sill
Use expandable spray-in foam
Fasten through the sill tracks

7/16/02 MWK

Location: **Project Name:**

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS		Ext Doors (Masonite)	FL 4242-R1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung		MI Home Products	FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding		Ytandis	FL. 889-R2
2. Soffits			FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block		Celgas Block Dist.	FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles		GAF Shingles	FL. 586-R2
2. Underlayments		Woodland FELT	FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

FILE COPY

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL. 1960-R1
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			FL 457-R1
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor		Simpson	FL. 474-R1
2. Truss plates			
3. Engineered lumber		Boise	FL 1008-R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

Residential System Sizing Calculation

Summary

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

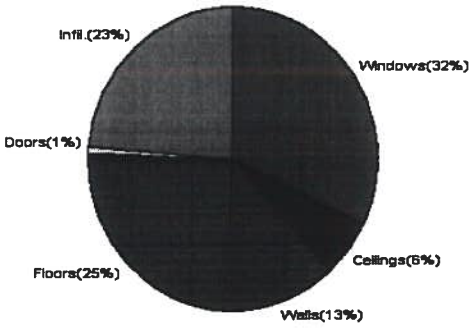
1/30/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**36422**	**Btuh**	**Total cooling load calculation**	**40569**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.1	43000	Sensible (SHR = 0.75)	98.6	32250
Heat Pump + Auxiliary(0.0kW)	118.1	43000	Latent	136.6	10750
			Total (Electric Heat Pump)	106.0	43000

WINTER CALCULATIONS

Winter Heating Load (for 1956 sqft)

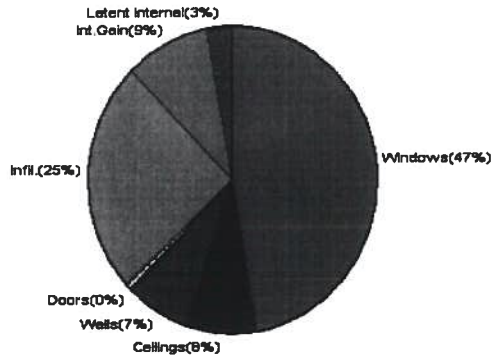
Load component			Load	
Window total	250	sqft	11747	Btuh
Wall total	1394	sqft	4578	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	1956	sqft	2305	Btuh
Floor total	208	sqft	9081	Btuh
Infiltration	209	cfm	8451	Btuh
Duct loss			0	Btuh
Subtotal			**36422**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**36422**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1956 sqft)

Load component			Load	
Window total	250	sqft	19177	Btuh
Wall total	1394	sqft	2908	Btuh
Door total	20	sqft	196	Btuh
Ceiling total	1956	sqft	3239	Btuh
Floor total			0	Btuh
Infiltration	183	cfm	3398	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**32698**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6672	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7872**	**Btuh**
TOTAL HEAT GAIN			**40569**	**Btuh**



EnergyGauge® System Sizing
PREPARED BY: Justin Mann
DATE: 1-30-07

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

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

1/30/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
3	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
6	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
7	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
8	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
9	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
	Window Total		250(sqft)		11748 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1394	3.3	4578 Btuh
	Wall Total		1394		4578 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1956	1.2	2305 Btuh
	Ceiling Total		1956		2305Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	1	208.0 ft(p)	43.7	9081 Btuh
	Floor Total		208		9081 Btuh
			Zone Envelope Subtotal:		27971 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	15648	208.6	8451 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36422 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	36422 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36422 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

1/20/2007

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(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)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Mark & Lucy Edson
Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

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

1/30/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
3	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
6	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
7	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
8	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
9	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
	Window Total		250(sqft)		11748 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1394	3.3	4578 Btuh
	Wall Total		1394		4578 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1956	1.2	2305 Btuh
	Ceiling Total		1956		2305Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	1	208.0 ft(p)	43.7	9081 Btuh
	Floor Total		208		9081 Btuh
			Zone Envelope Subtotal:		27971 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	15648	208.6	8451 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36422 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	36422 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36422 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

1/30/2007

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(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)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/30/2007

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	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562 Btuh
2	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
3	1, Clear, 1.27, None,N,N	E	5.5ft	8ft.	20.0	9.7	10.3	37	94	1332 Btuh
4	1, Clear, 1.27, None,N,N	E	5.5ft	8ft.	30.0	9.4	20.6	37	94	2290 Btuh
5	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881 Btuh
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	37	43	562 Btuh
8	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643 Btuh
9	1, Clear, 1.27, None,N,N	W	6.5ft	8ft.	30.0	14.4	15.6	37	94	2008 Btuh
	Excursion									954 Btuh
	Window Total				250 (sqft)					19177 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1394.0	2.1	2908 Btuh
	Wall Total		1394 (sqft)		2908 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	20 (sqft)		196 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1956.0	1.7	3239 Btuh
	Ceiling Total		1956 (sqft)		3239 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	1.0	208 (ft(p))	0.0	0 Btuh
	Floor Total		208.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		25520 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	15648	182.6	3398 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	2400	3780 Btuh

Duct load			
	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh

	Sensible Zone Load	**32698 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

1/30/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**32698 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32698 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**32698 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6672 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7872 Btuh**
	TOTAL GAIN	**40569 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)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Mark & Lucy Edson
Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

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

1/30/2007

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	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562 Btuh
2	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
3	1, Clear, 1.27, None,N,N	E	5.5ft	8ft.	20.0	9.7	10.3	37	94	1332 Btuh
4	1, Clear, 1.27, None,N,N	E	5.5ft	8ft.	30.0	9.4	20.6	37	94	2290 Btuh
5	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881 Btuh
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	37	43	562 Btuh
8	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643 Btuh
9	1, Clear, 1.27, None,N,N	W	6.5ft	8ft.	30.0	14.4	15.6	37	94	2008 Btuh
	Excursion									954 Btuh
	Window Total				250 (sqft)					19177 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1394.0	2.1	2908 Btuh
	Wall Total		1394 (sqft)		2908 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	20 (sqft)		196 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1956.0	1.7	3239 Btuh
	Ceiling Total		1956 (sqft)		3239 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	1.0	208 (ft(p))	0.0	0 Btuh
	Floor Total		208.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		25520 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	15648	182.6	3398 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	2400	3780 Btuh

Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**32698 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

Code Only
Professional Version
Climate: North

1/30/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**32698**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**32698**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**32698**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6672	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**7872**	**Btuh**
	TOTAL GAIN	**40569**	**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)

For Florida residences only

Residential Window Diversity

MidSummer

Mark & Lucy Edson

Lake City, FL

Project Title:
George Kerce - Edson Addition

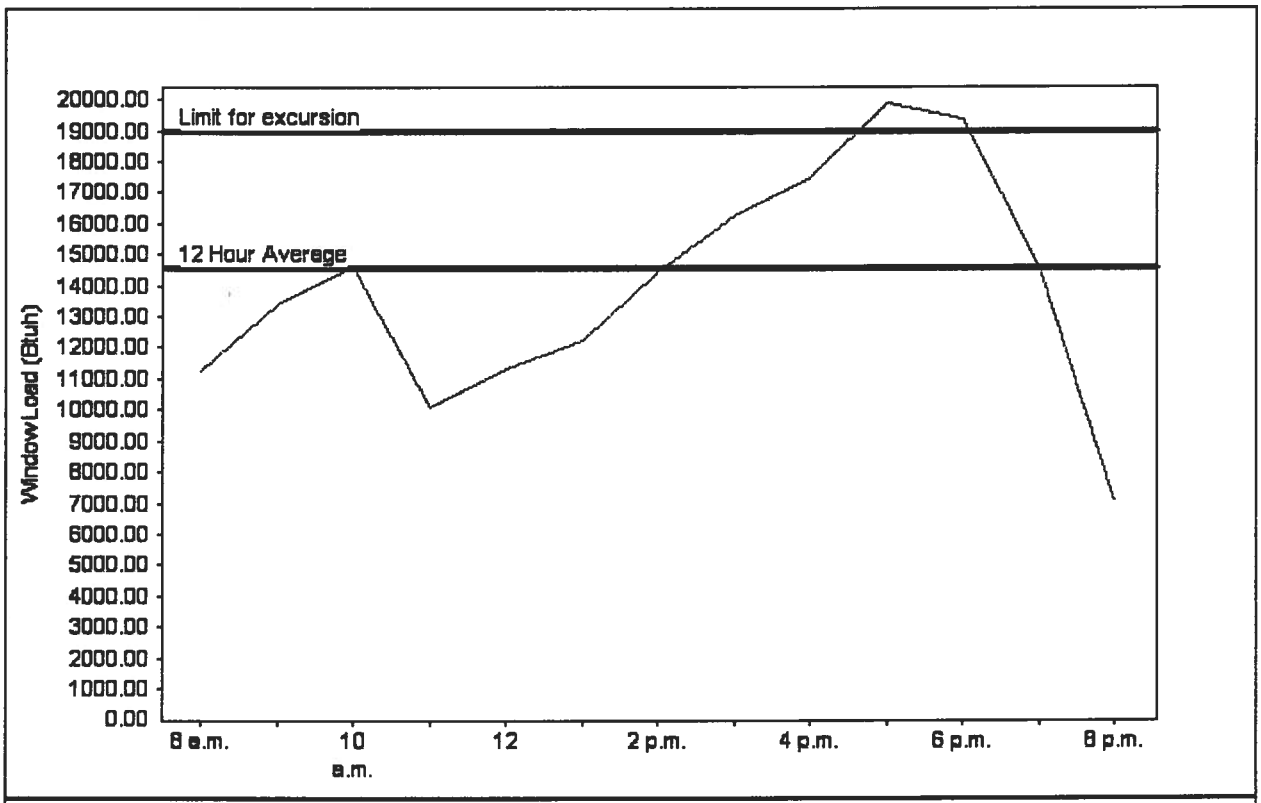
Code Only
Professional Version
Climate: North

1/30/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14575 Btu
Summer setpoint	75 F	Peak window load for July	19902 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	18947 Btu
Latitude	29 North	Window excursion (July)	954 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: _____

Project Information for:	L225022		
Builder:	GEORGE KERCE CONST.	Date:	1/25/2007
Lot:	N/A	Start Number:	**1108**
Subdivision:	162 SW LEXINGTON CT		
County or City:	COLUMBIA COUNTY		L225022
Truss Page Count:	17		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

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)

KERCE, GEORGE A RB0036027
Address: 472 SW STEWART LOOP
LAKE CITY, FL 32024 Designer: **88**

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

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.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0125071108	1/25/2007				
2	CJ3	0125071109	1/25/2007				
3	CJ5	0125071110	1/25/2007				
4	CJ5A	0125071111	1/25/2007				
5	EJ7	0125071112	1/25/2007				
6	EJ7A	0125071113	1/25/2007				
7	EJ7B	0125071114	1/25/2007				
8	HJ9	0125071115	1/25/2007				
9	HJ9A	0125071116	1/25/2007				
10	T01	0125071117	1/25/2007				
11	T02	0125071118	1/25/2007				
12	T03	0125071119	1/25/2007				
13	T04	0125071120	1/25/2007				
14	T05	0125071121	1/25/2007				
15	T06	0125071122	1/25/2007				
16	T07	0125071123	1/25/2007				
17	T08	0125071124	1/25/2007				

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

JAN 25 2007

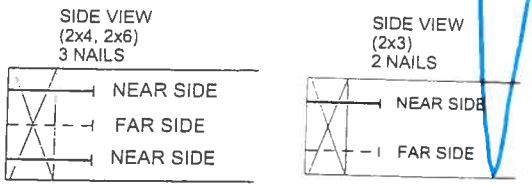
NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE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

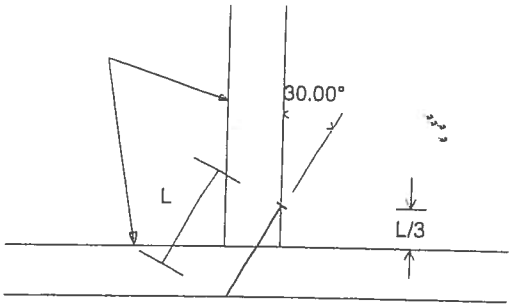
TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	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.

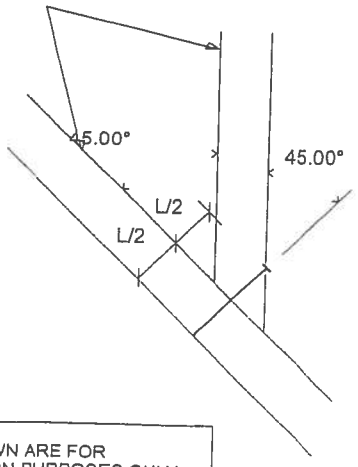
SQUARE CUT

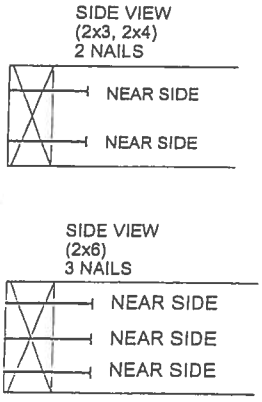




45 DEGREE ANGLE BEVEL CUT

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





VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

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Licensee Information

Name:	**KERCE, GEORGE A (Primary Name)** **GEORGE KERCE CONSTRUCTION (DBA Name)**
Main Address:	**472 SW STEWART LOOP** **LAKE CITY Florida 32024**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	**RT 2 BOX 3067** **LAKE CITY FL 32024**
County:	**COLUMBIA**

License Information

License Type:	**Registered Building Contractor**
Rank:	**Reg Building**
License Number:	**RB0036027**
Status:	**Current,Active**
Licensure Date:	**09/02/1980**
Expires:	**08/31/2007**

Special Qualifications	Qualification Effective
Bldg Code Core Course Credit	

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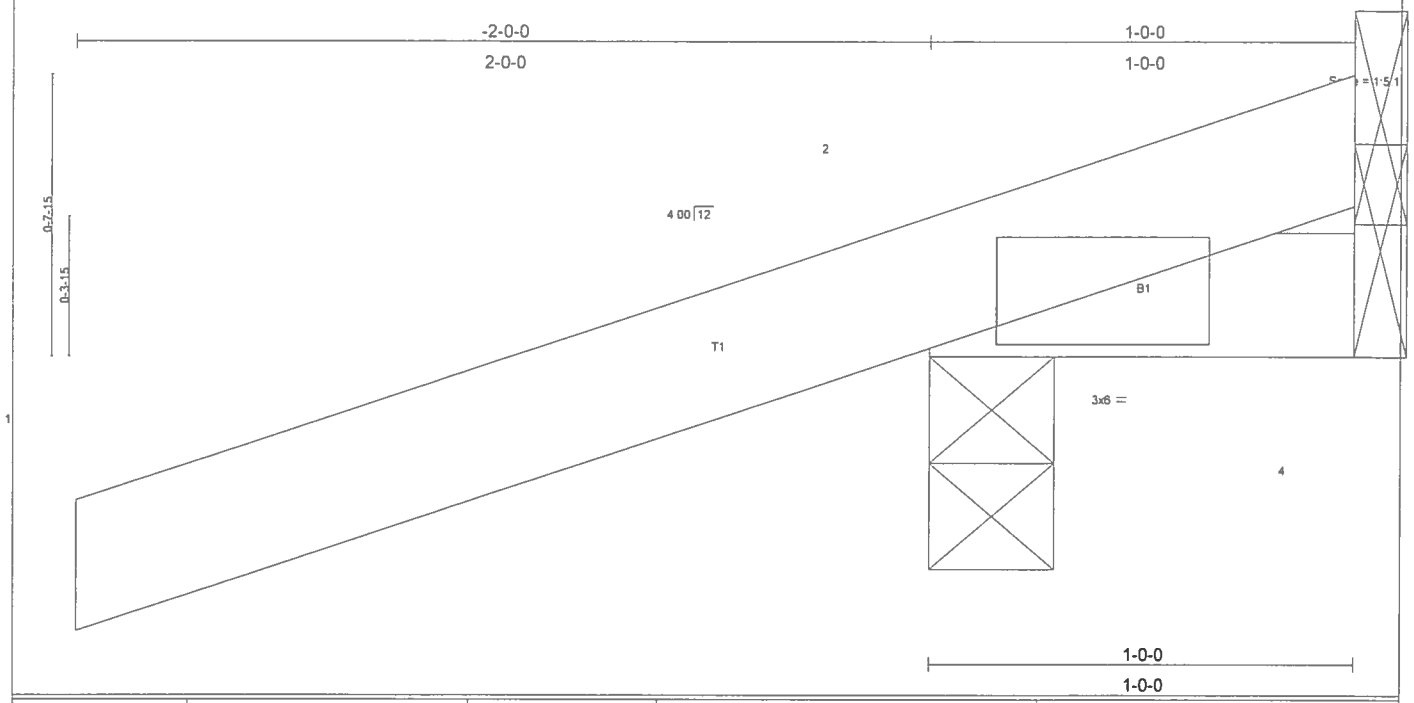
JANUARY 25.2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071108

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	CJ1	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:02 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	0.24	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=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=58(load case 3)
Max Uplift2=-272(load case 3), 4=-9(load case 3), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=113(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-50/49
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 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.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

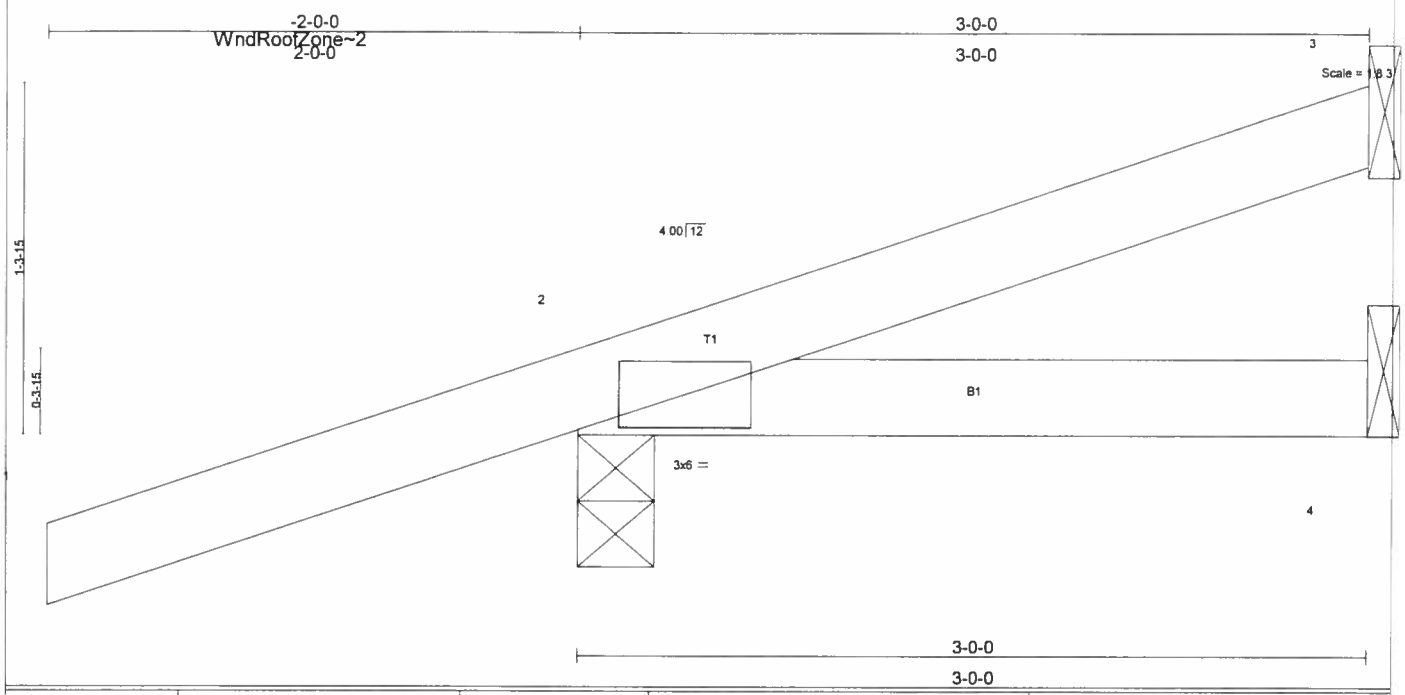
LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071109

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	CJ3	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:05 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	0.26	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	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: 12 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=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=88(load case 3)
Max Uplift3=-23(load case 6), 2=-242(load case 3), 4=-27(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-41/5
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 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.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3, 242 lb uplift at joint 2 and 27 lb uplift at joint 4.

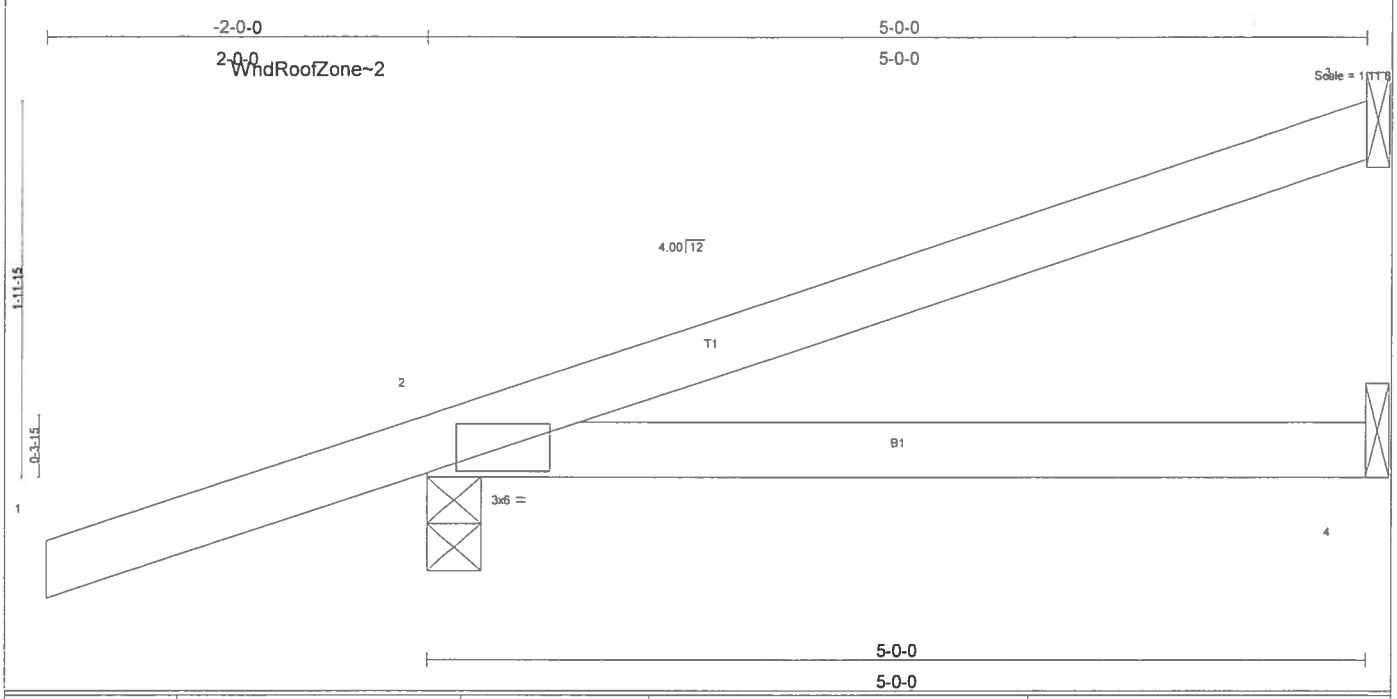
LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071110

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	CJ5	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:07 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	0.26	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=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=118(load case 3)
Max Uplift3=-74(load case 3), 2=-213(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-55/26
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 3 and 213 lb uplift at joint 2.

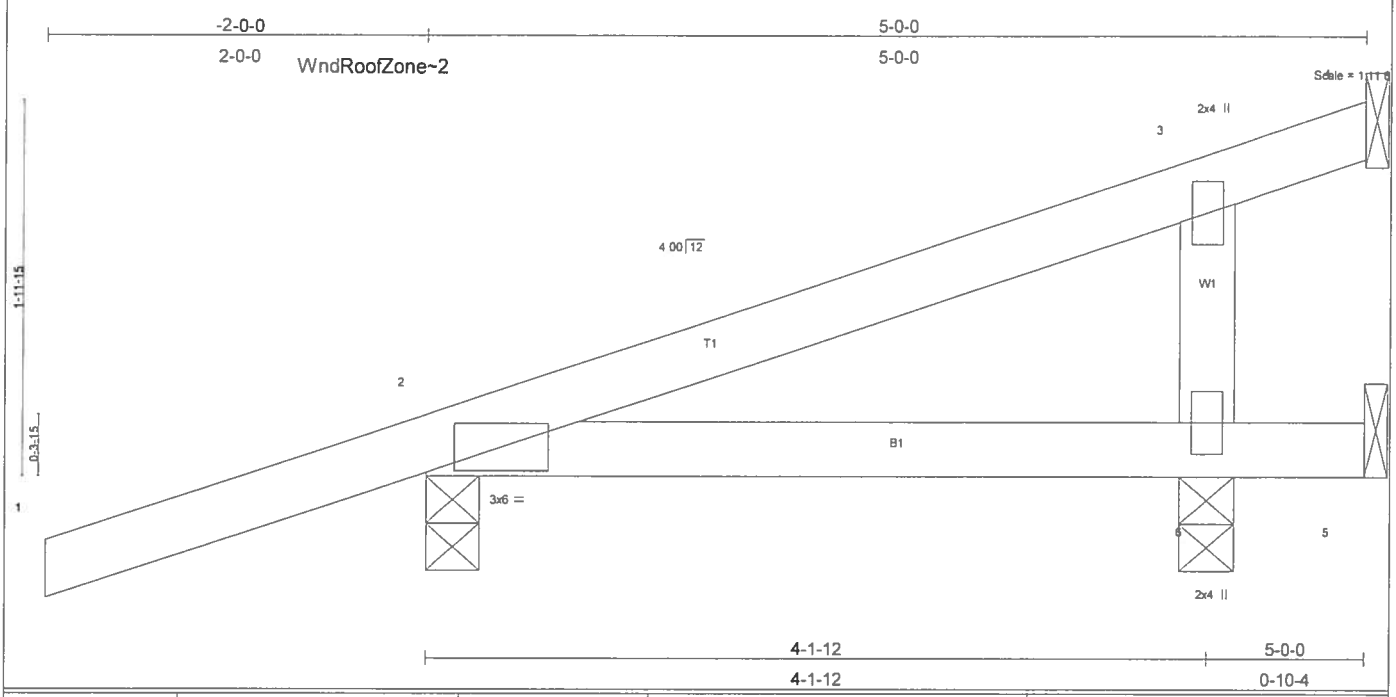
LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071111

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	CJ5A	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:09 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	0.26	Vert(LL)	0.02	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	0.02	2-6	>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: 20 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=-26/Mechanical, 2=293/0-3-8, 5=-52/Mechanical, 6=303/0-3-8
Max Horz 2=118(load case 3)
Max Uplift4=-26(load case 1), 2=-243(load case 3), 5=-52(load case 1), 6=-180(load case 6)
Max Grav 4=23(load case 6), 2=293(load case 1), 5=43(load case 3), 6=303(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-65/29, 3-4=-22/7
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=-155/179

JOINT STRESS INDEX
2 = 0.11, 3 = 0.10 and 6 = 0.10

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 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.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 4, 243 lb uplift at joint 2, 52 lb uplift at joint 5 and 180 lb uplift at joint 6.

LOAD CASE(S) Standard

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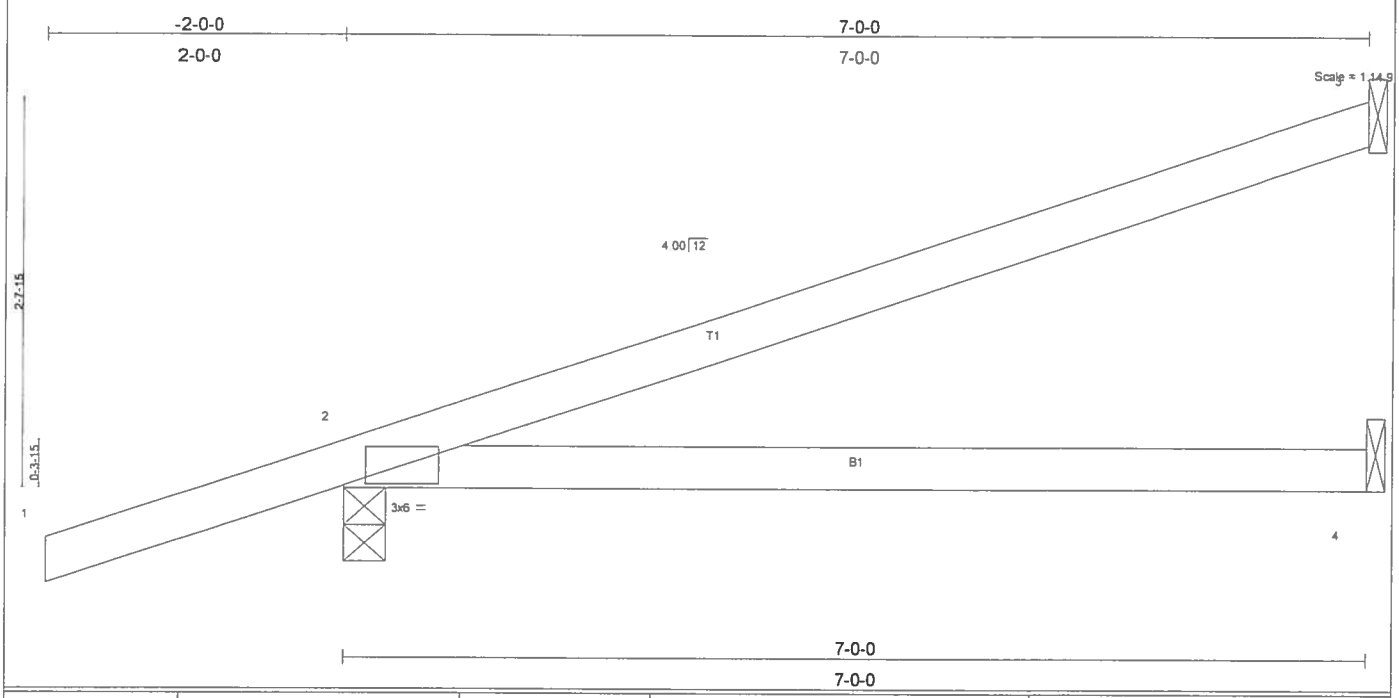
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071112

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	EJ7	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:11 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	0.45	Vert(LL)	-0.12	2-4	>676	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.20	2-4	>404	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: 25 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=163/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=149(load case 3)
Max Uplift3=-115(load case 3), 2=-231(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-66/41
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.37

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 3 and 231 lb uplift at joint 2.

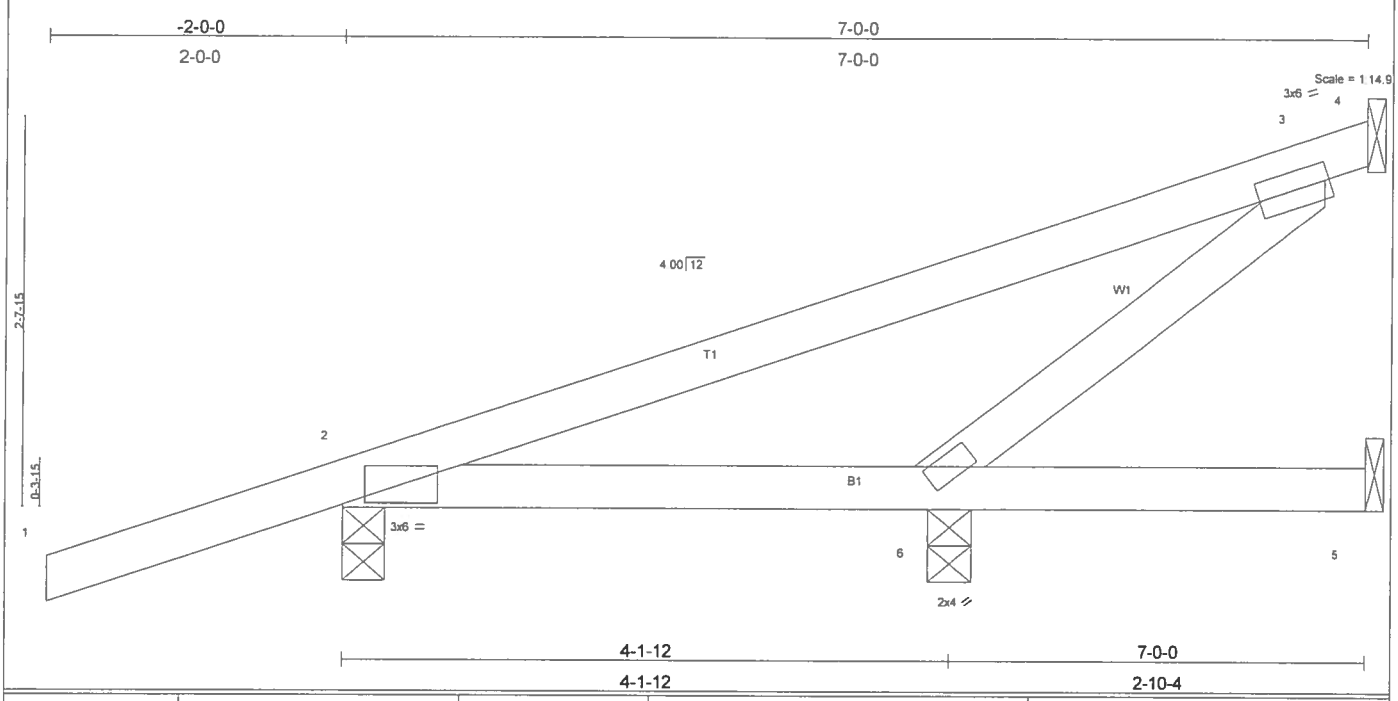
LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071113

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	EJ7A	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:14 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	0.39	Vert(LL)	-0.02	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.03	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 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) 4=-26/Mechanical, 2=206/0-3-8, 5=20/Mechanical, 6=486/0-3-8
Max Horz 2=149(load case 3)
Max Uplift4=-26(load case 1), 2=-174(load case 3), 6=-285(load case 3)
Max Grav 4=10(load case 6), 2=206(load case 1), 5=20(load case 1), 6=486(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-345/435, 3-4=-13/3
BOT CHORD 2-6=-378/271, 5-6=0/0
WEBS 3-6=-492/352

JOINT STRESS INDEX
2 = 0.62, 3 = 0.13 and 6 = 0.28

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 4, 174 lb uplift at joint 2 and 285 lb uplift at joint 6.

LOAD CASE(S) Standard

JANUARY 25,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071114

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	EJ7B	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:16 2007 Page 1

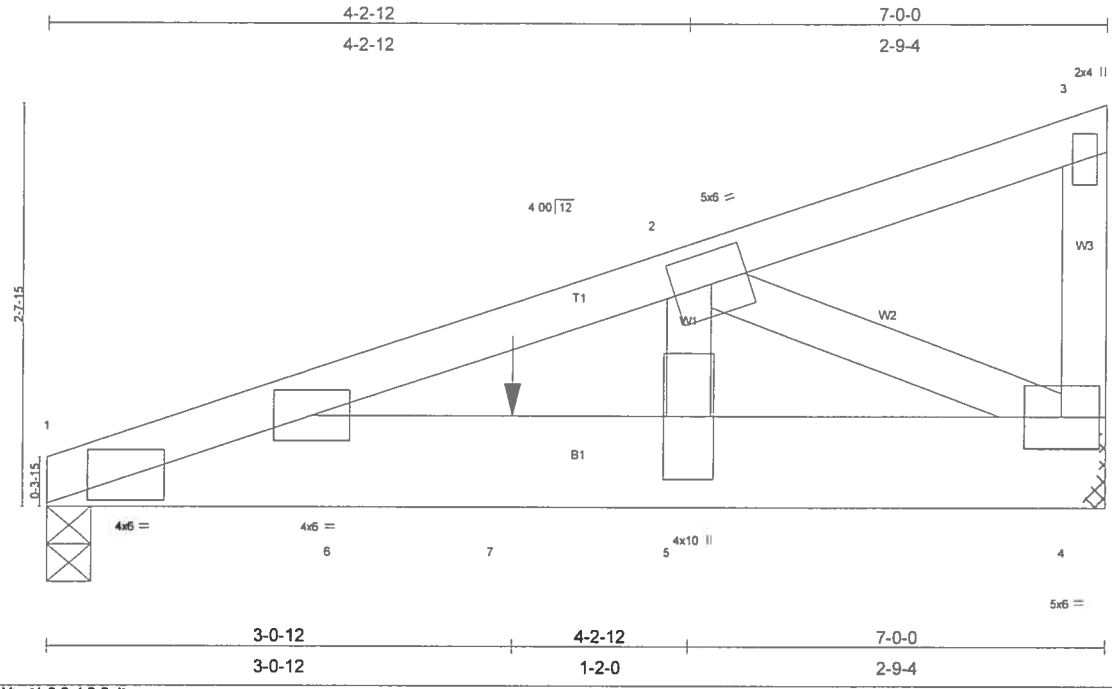

Plate Offsets (X,Y): [1:0-3-4,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.05	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.08	1-5	>988	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS (lb/size) 1=1474/0-3-8, 4=1762/Mechanical
Max Horz 1=99(load case 2)
Max Uplift1=-540(load case 2), 4=-681(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2643/948, 2-3=-91/15, 3-4=-69/47
BOT CHORD 1-6=-968/2496, 6-7=-968/2496, 5-7=-968/2496, 4-5=-968/2496
WEBS 2-5=-613/1784, 2-4=-2692/1042

JOINT STRESS INDEX
1 = 0.74, 1 = 0.00, 2 = 0.73, 3 = 0.67, 4 = 0.73 and 5 = 0.44

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 540 lb uplift at joint 1 and 681 lb uplift at joint 4.
4) Girder carries tie-in span(s): 5-0-0 from 0-0-0 to 2-0-0; 19-4-0 from 4-0-0 to 7-0-0
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1600 lb down and 604 lb up at 3-0-12 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: 1-6=-93(F=-63), 5-6=-30, 4-5=-394(F=-364), 1-3=-54
Concentrated Loads (lb)
Vert: 7=-1600(F)

JANUARY 25,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071115

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	HJ9	MONO TRUSS	1	1	Job Reference (optional)

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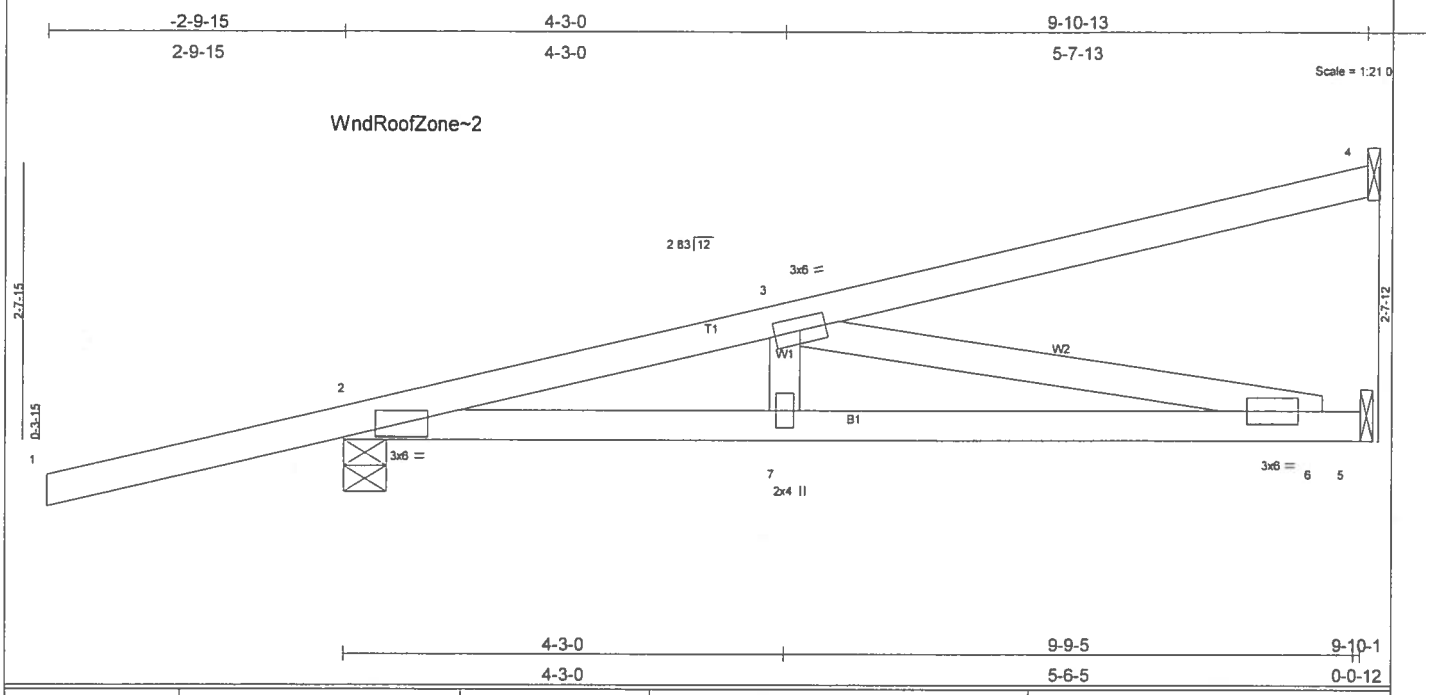

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.12	6-7	>934	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.20	6-7	>561	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 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 5-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-0 oc bracing.

REACTIONS (lb/size) 4=274/Mechanical, 2=531/0-4-15, 5=371/Mechanical
Max Horz 2=177(load case 2)
Max Uplift4=-207(load case 2), 2=-306(load case 2), 5=-51(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1203/263, 3-4=-67/46
BOT CHORD 2-7=-381/1158, 6-7=-381/1158, 5-6=0/0
WEBS 3-7=0/173, 3-6=-1180/389

JOINT STRESS INDEX
2 = 0.76, 3 = 0.32, 6 = 0.34 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 4, 306 lb uplift at joint 2 and 51 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=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

JANUARY 25,2007 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.#0125071116

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	HJ9A	MONO TRUSS	2	1	Job Reference (optional)

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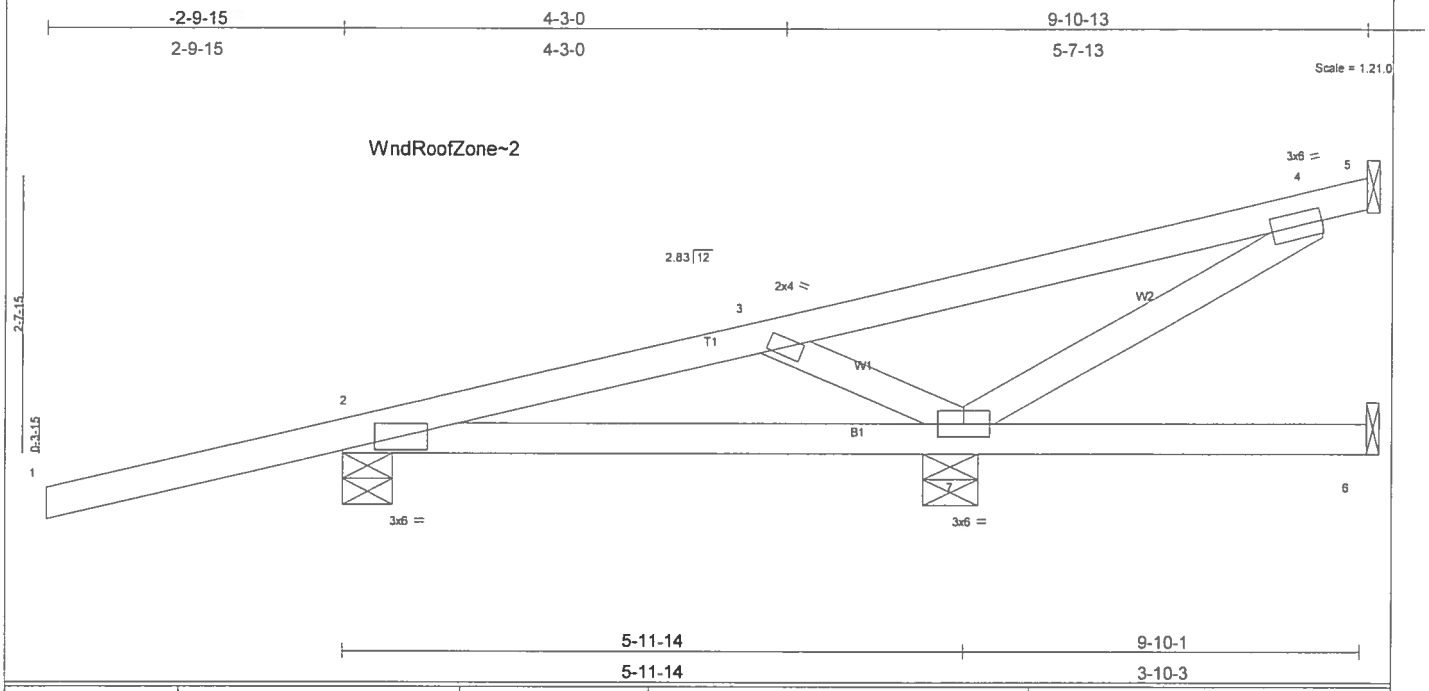

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.05	2-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.06	6-7	>764	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 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 9-10-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=2/Mechanical, 2=290/0-5-11, 6=286/Mechanical, 7=585/0-6-7
Max Horz 2=-58(load case 7)
Max Uplift5=-6(load case 6), 2=-319(load case 2), 6=-110(load case 2), 7=-267(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-32/48, 3-4=0/227, 4-5=-1/1
BOT CHORD 2-7=-38/42, 6-7=0/0
WEBS 3-7=-234/41, 4-7=-243/0

JOINT STRESS INDEX
2 = 0.82, 3 = 0.13, 4 = 0.07 and 7 = 0.06

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 5, 319 lb uplift at joint 2, 110 lb uplift at joint 6 and 267 lb uplift at joint 7.
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=-0(F=15, B=15)-to-6=-208(F=-89, B=-89)

JANUARY 25,2007 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071117

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T01	HIP	1	1	Job Reference (optional)

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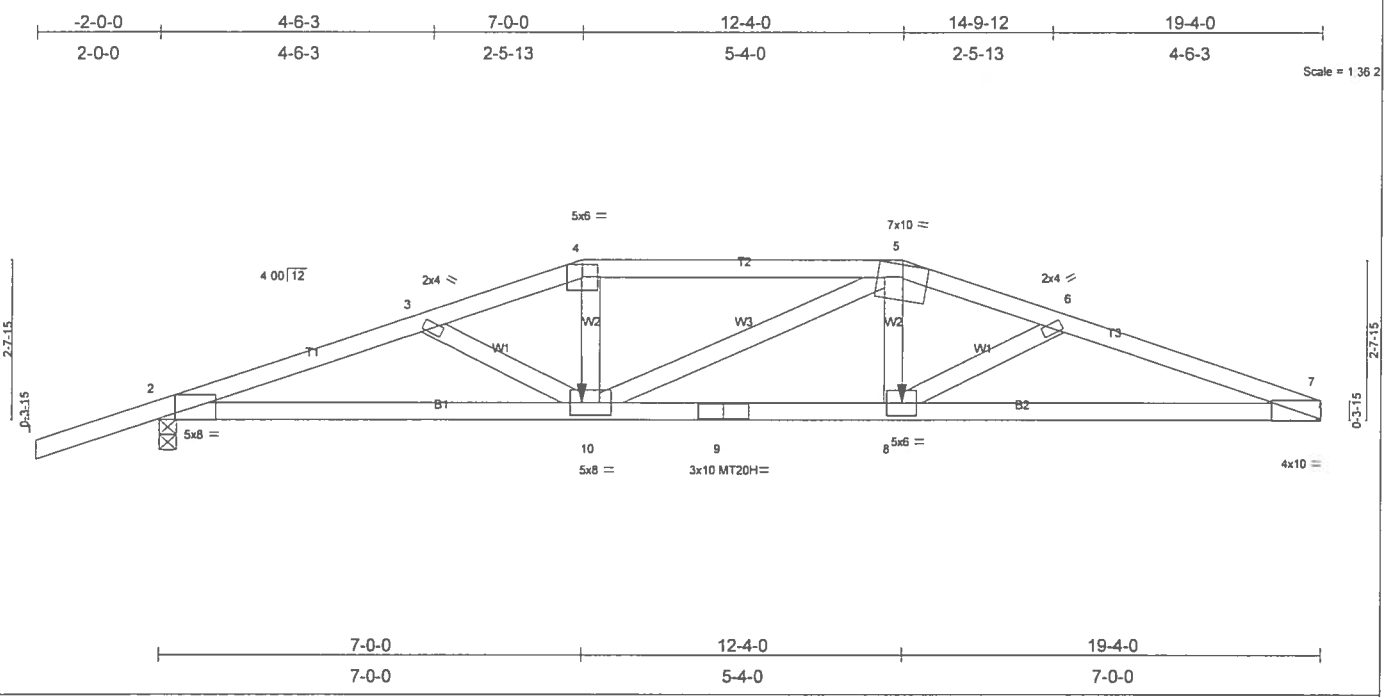

7-0-0	12-4-0	19-4-0
7-0-0	5-4-0	7-0-0

Plate Offsets (X,Y): [2:0-3-3,Edge], [7:0-0-3,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	0.60	Vert(LL)	-0.27	8-10	>843	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.44	8-10	>524	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.12	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 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 2-7-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-7 oc bracing.

REACTIONS (lb/size) 7=1600/Mechanical, 2=1736/0-3-8
Max Horz 2=76(load case 2)
Max Uplift7=-637(load case 3), 2=-769(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-4192/1644, 3-4=-4136/1653, 4-5=-3982/1618, 5-6=-4172/1701, 6-7=-4281/1738
BOT CHORD 2-10=-1533/3909, 9-10=-1554/4014, 8-9=-1554/4014, 7-8=-1599/4016
WEBS 3-10=-62/192, 4-10=-192/820, 5-10=-142/88, 5-8=-227/862, 6-8=-65/144

JOINT STRESS INDEX
2 = 0.75, 3 = 0.34, 4 = 0.89, 5 = 0.66, 6 = 0.34, 7 = 0.66, 8 = 0.30, 9 = 0.99 and 10 = 0.28

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 637 lb uplift at joint 7 and 769 lb uplift at joint 2.
7) Girder carries hip end with 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 236 lb up at 12-4-0, and 539 lb down and 236 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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, 4-5=-120(F=-66), 5-7=-54, 2-10=-30, 8-10=-67(F=-37), 7-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

JANUARY 25,2007 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0125071118

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T02	HIP	1	1	Job Reference (optional)

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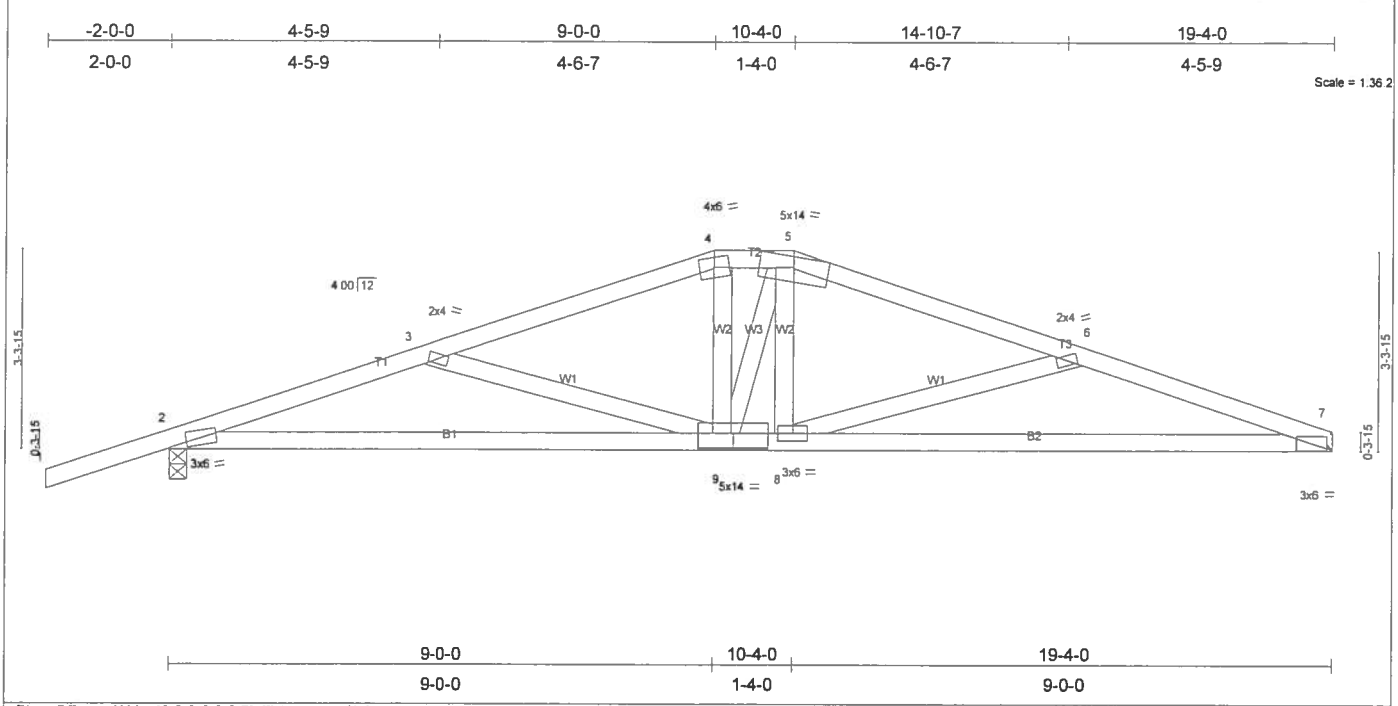

Plate Offsets (X,Y): [2:0-3-9,0-0-7], [7:0-1-2,0-0-2], [9:0-7-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.20	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.34	7-8	>680	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 89 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 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-5 oc bracing.

REACTIONS (lb/size) 7=797/Mechanical, 2=926/0-3-8
Max Horz 2=86(load case 3)
Max Uplift7=-268(load case 4), 2=-397(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1805/600, 3-4=-1424/425, 4-5=-1324/427, 5-6=-1431/439, 6-7=-1876/679
BOT CHORD 2-9=-563/1683, 8-9=-316/1331, 7-8=-604/1761
WEBS 3-9=-397/244, 4-9=-67/325, 5-9=-152/128, 5-8=-65/310, 6-8=-469/310

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.48, 5 = 0.35, 6 = 0.34, 7 = 0.73, 8 = 0.35 and 9 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 7 and 397 lb uplift at joint 2.

LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071119

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T03	SPECIAL	1	2	Job Reference (optional)

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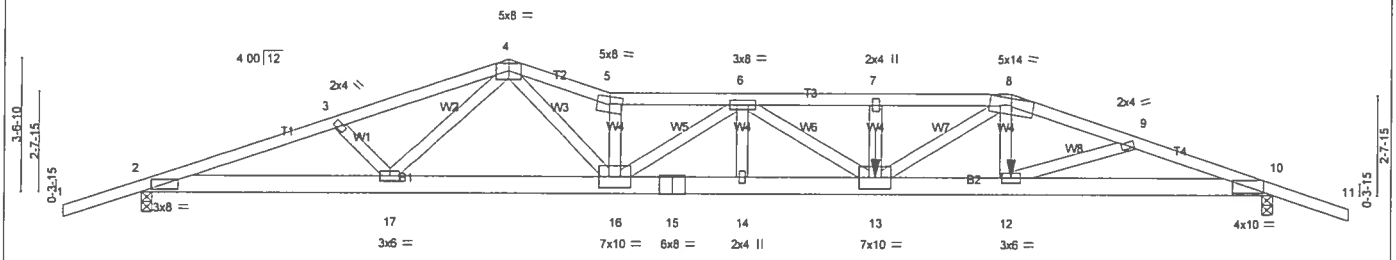
-2-0-0	5-2-14	9-8-0	12-4-0	15-10-6	19-4-12	23-0-0	26-1-2	30-0-0	32-0-0
2-0-0	5-2-14	4-5-2	2-8-0	3-6-6	3-6-6	3-7-4	3-1-2	3-10-14	2-0-0

Scale = 1:57.7



6-6-14	12-4-0	15-10-6	19-4-12	23-0-0	30-0-0
6-6-14	5-9-2	3-6-6	3-6-6	3-7-4	7-0-0

Plate Offsets (X,Y): [2:0-3-6,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.43	13-14	>825	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.69	13-14	>515	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.10	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 341 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-14 oc bracing.

REACTIONS (lb/size) 2=2220/0-3-8, 10=3181/0-3-8
Max Horz 2=-75(load case 3)
Max Uplift2=-835(load case 4), 10=-1301(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-5871/2026, 3-4=-5701/1997, 4-5=-8977/3333, 5-6=-8355/3082, 6-7=-10645/4069, 7-8=-10646/4069, 8-9=-8735/3325, 9-10=-8804/3376, 10-11=0/37
BOT CHORD 2-17=-1807/5522, 16-17=-1685/5051, 15-16=-3572/9883, 14-15=-3572/9883, 13-14=-3572/9883, 12-13=-3051/8340, 10-12=-3110/8297
WEBS 3-17=-214/186, 4-17=-115/500, 4-16=-1981/5248, 5-16=-2827/1108, 6-16=-1936/777, 6-14=-49/254, 6-13=-423/1022, 7-13=-214/194, 8-13=-1024/2728, 8-12=-205/837, 9-12=-17/148

JOINT STRESS INDEX
2 = 0.76, 3 = 0.34, 4 = 0.78, 5 = 0.73, 6 = 0.57, 7 = 0.34, 8 = 0.60, 9 = 0.34, 10 = 0.71, 12 = 0.35, 13 = 0.33, 14 = 0.34, 15 = 0.94, 16 = 0.64 and 17 = 0.37

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 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 7-13 2 X 4 - 1 row at 0-6-0 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=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 835 lb uplift at joint 2 and 1301 lb uplift at joint 10.
8) Girder carries hip end with 7-0-0 right side setback, 19-4-0 left side setback, and 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 236 lb up at 23-0-0, and 1762 lb down and 665 lb up at 19-4-12 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: 1-4=-54, 4-5=-54, 5-7=-54, 7-8=-121(F=-67), 8-11=-54, 2-13=-30, 12-13=-68(F=-38), 10-12=-30
Concentrated Loads (lb)
Vert: 13=-1762(F) 12=-539(F)

JANUARY 25,2007 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
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Dwg.#0125071120

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T04	HIP	1	1	Job Reference (optional)

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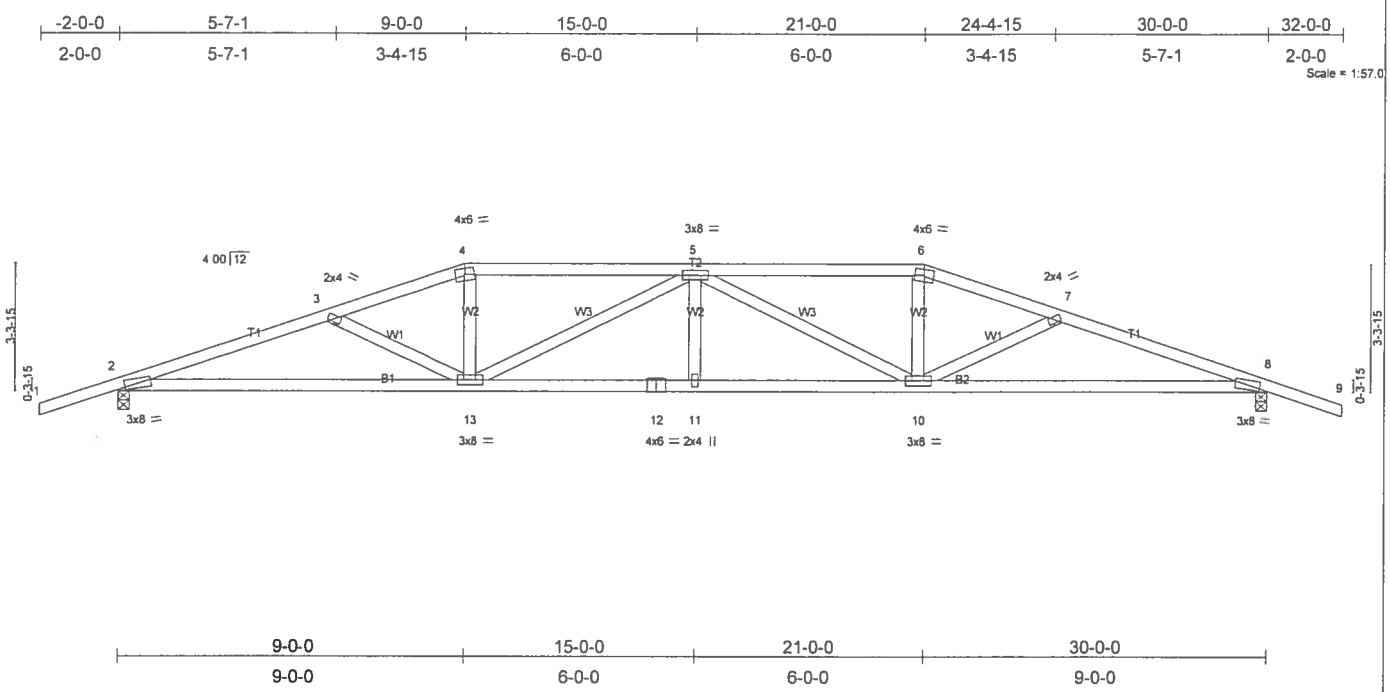

Plate Offsets (X,Y): [2:0-2-5,0-0-7], [8:0-2-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.31	11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.50	2-13	>707	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.14	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 140 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 3-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-2 oc bracing.

REACTIONS (lb/size) 2=1364/0-3-8, 8=1364/0-3-8
Max Horz 2=70(load case 3)
Max Uplift2=-573(load case 3), 8=-573(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-3036/1087, 3-4=-2763/967, 4-5=-2624/951, 5-6=-2624/951, 6-7=-2763/967, 7-8=-3036/1088, 8-9=0/33
BOT CHORD 2-13=-998/2835, 12-13=-1010/3070, 11-12=-1010/3070, 10-11=-1010/3070, 8-10=-929/2835
WEBS 3-13=-273/204, 4-13=-120/603, 5-13=-616/271, 5-11=0/125, 5-10=-616/271, 6-10=-120/603, 7-10=-273/205

JOINT STRESS INDEX
2 = 0.82, 3 = 0.34, 4 = 0.73, 5 = 0.57, 6 = 0.73, 7 = 0.34, 8 = 0.82, 10 = 0.57, 11 = 0.34, 12 = 0.91 and 13 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 573 lb uplift at joint 2 and 573 lb uplift at joint 8.

LOAD CASE(S) Standard

JANUARY 25,2007 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.#0125071121

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T05	HIP	1	1	Job Reference (optional)

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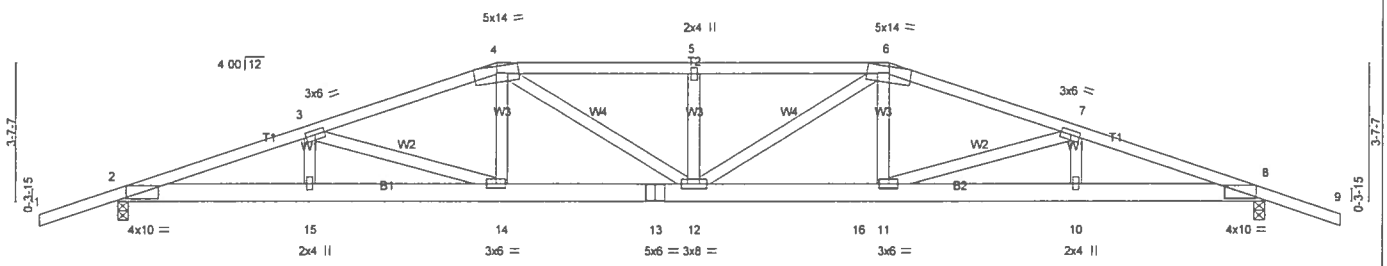
-2-0-0	4-11-12	9-10-8	15-0-0	20-1-8	25-0-4	30-0-0	32-0-0
2-0-0	4-11-12	4-10-12	5-1-8	5-1-8	4-10-12	4-11-12	2-0-0

Scale = 1:57.0



4-11-12	9-10-8	15-0-0	20-1-8	25-0-4	30-0-0
4-11-12	4-10-12	5-1-8	5-1-8	4-10-12	4-11-12

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)	-0.33	12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.53	12	>671	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.66	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-12 oc bracing.

REACTIONS (lb/size) 2=1559/0-3-8, 8=2273/0-3-8
Max Horz 2=76(load case 2)
Max Uplift2=-643(load case 2), 8=-912(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-3801/1290, 3-4=-3336/1191, 4-5=-3709/1343, 5-6=-3709/1343, 6-7=-3990/1438, 7-8=-5343/1874, 8-9=0/37
BOT CHORD 2-15=-1208/3566, 14-15=-1208/3566, 13-14=-1046/3147, 12-13=-1046/3147, 12-16=-1215/3797, 11-16=-1215/3797, 10-11=-1687/5030, 8-10=-1687/5030
WEBS 3-15=0/90, 3-14=-469/192, 4-14=-65/393, 4-12=-301/806, 5-12=-269/188, 6-12=-206/161, 6-11=-297/1007, 7-11=-1353/527, 7-10=-162/618

JOINT STRESS INDEX
2 = 0.86, 3 = 0.45, 4 = 0.68, 5 = 0.34, 6 = 0.68, 7 = 0.45, 8 = 0.86, 10 = 0.45, 11 = 0.66, 12 = 0.77, 13 = 0.82, 14 = 0.66 and 15 = 0.45

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 643 lb uplift at joint 2 and 912 lb uplift at joint 8.
6) Girder carries tie-in span(s): 7-0-0 from 19-4-0 to 30-0-0
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

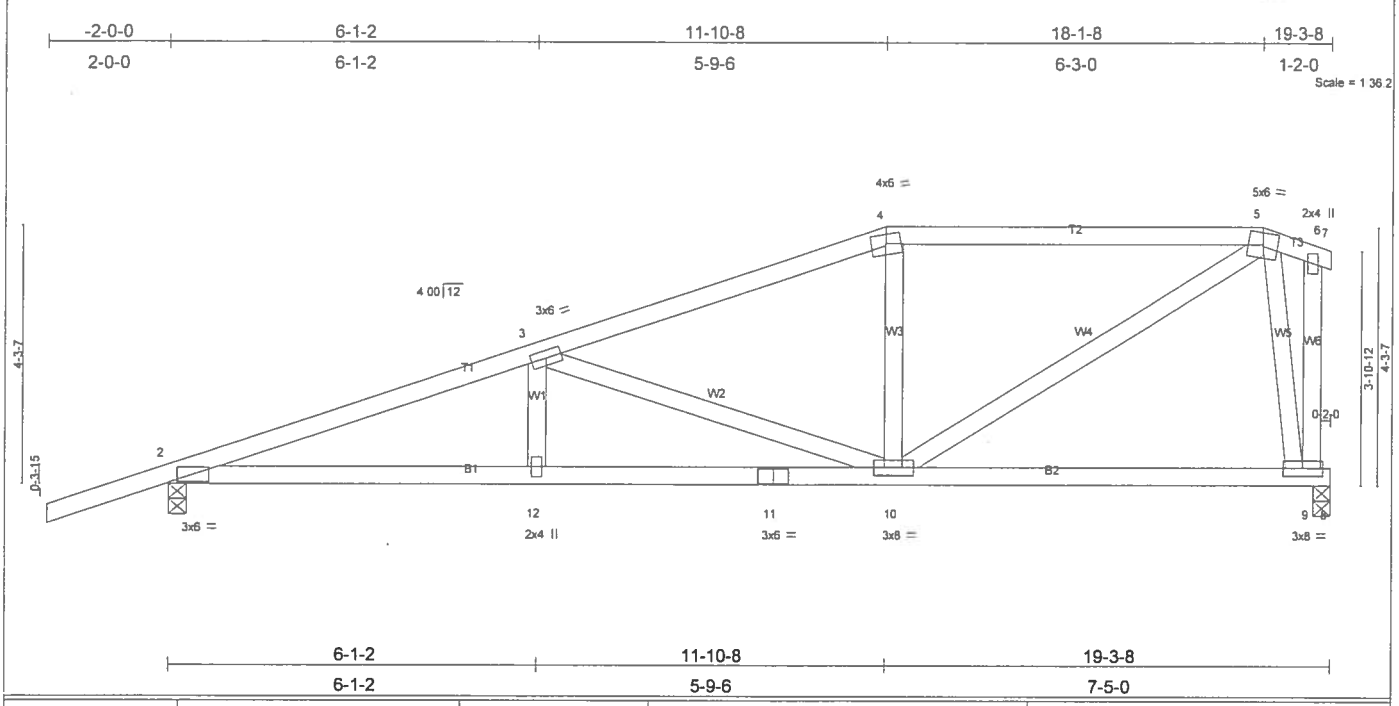
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-9=-54, 2-16=-30, 8-16=-135(F=-105)

JANUARY 25,2007 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.#0125071122

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T06	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 25 11:26:35 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	0.36	Vert(LL)	-0.09	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.14	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 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 4-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.

REACTIONS (lb/size) 2=913/0-3-8, 9=811/0-3-8
Max Horz 2=214(load case 3)
Max Uplift2=-409(load case 3), 9=-299(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1763/569, 3-4=-1020/362, 4-5=-922/377, 5-6=-35/19, 6-7=0/5, 6-9=-99/97
BOT CHORD 2-12=-653/1619, 11-12=-653/1619, 10-11=-653/1619, 9-10=-86/200, 8-9=0/0
WEBS 3-12=0/179, 3-10=-737/311, 4-10=-27/123, 5-10=-334/864, 5-9=-779/430

JOINT STRESS INDEX
2 = 0.64, 3 = 0.39, 4 = 0.80, 5 = 0.68, 6 = 0.65, 9 = 0.82, 10 = 0.83, 11 = 0.58 and 12 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 2 and 299 lb uplift at joint 9.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
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Dwg.#0125071123

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T07	HIP	1	1	Job Reference (optional)

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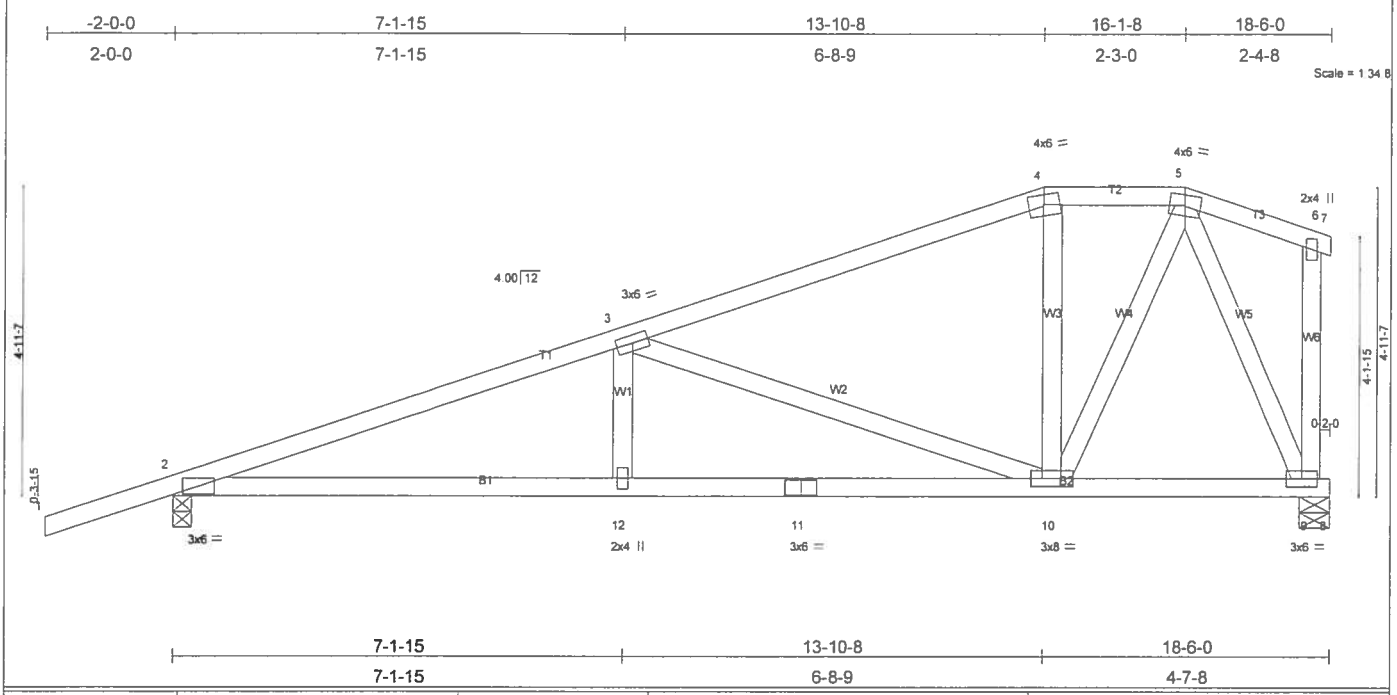

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.11	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.18	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 99 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 4-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-5 oc bracing.

REACTIONS (lb/size) 2=880/0-3-8, 9=777/0-6-0
Max Horz 2=232(load case 3)
Max Uplift2=-391(load case 3), 9=-275(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1602/495, 3-4=-657/221, 4-5=-561/246, 5-6=-37/31, 6-7=0/5, 6-9=-97/72
BOT CHORD 2-12=-594/1461, 11-12=-594/1461, 10-11=-594/1461, 9-10=-109/288, 8-9=0/0
WEBS 3-12=0/232, 3-10=-950/390, 4-10=-124/157, 5-10=-275/674, 5-9=-683/260

JOINT STRESS INDEX
2 = 0.59, 3 = 0.39, 4 = 0.69, 5 = 0.46, 6 = 0.34, 9 = 0.48, 10 = 0.78, 11 = 0.61 and 12 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 2 and 275 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.#0125071124

Job	Truss	Truss Type	Qty	Ply	KERCE CONST. - CALLAWAY ADDITION
L225022	T08	COMMON	1	1	Job Reference (optional)

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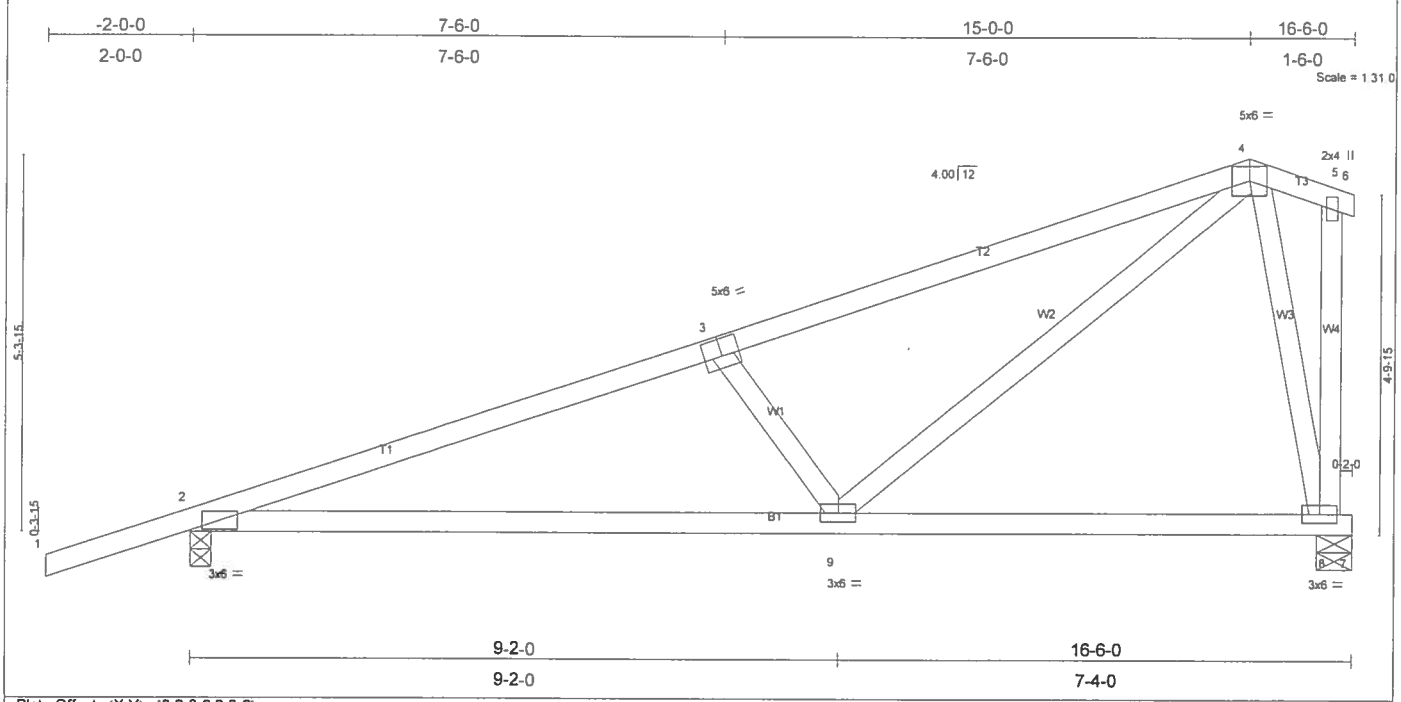

Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.19	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.33	2-9	>592	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 83 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 5-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS (lb/size) 2=797/0-3-8, 8=693/0-6-0
Max Horz 2=258(load case 3)
Max Uplift2=-351(load case 5), 8=-265(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1271/386, 3-4=-1027/319, 4-5=-45/41, 5-6=0/5, 5-8=-133/135
BOT CHORD 2-9=-515/1151, 8-9=-94/180, 7-8=0/0
WEBS 3-9=-427/317, 4-9=-318/963, 4-8=-715/427

JOINT STRESS INDEX
2 = 0.63, 3 = 0.62, 4 = 0.79, 5 = 0.34, 8 = 0.59 and 9 = 0.58

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2 and 265 lb uplift at joint 8.

LOAD CASE(S) Standard

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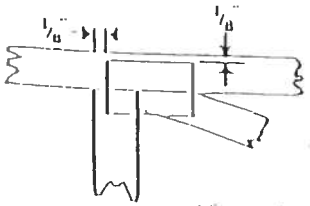
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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

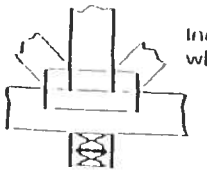
4 X 4

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

LATERAL BRACING

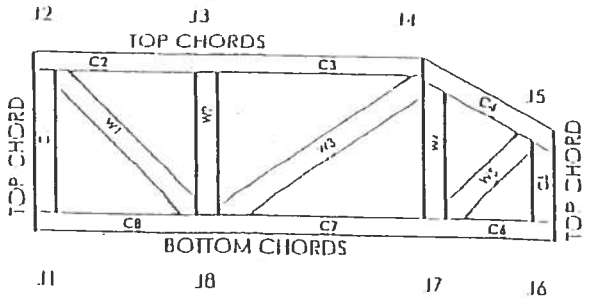
Indicates location of required continuous lateral bracing.

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, 970036-H
HER	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 (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or 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.