DATE 05/11/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024498

APPLICANT LYNNETTE BURKS PHONE 561 625-1132

ADDRESS 13400 RUNNING WATER RD PALM BEACH FL 33418

OWNER W. LYN & LYNNETTE BURKS PHONE 561 625-1132

ADDRESS 367 SW BLUEBIRD COURT FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL O 27, TL O 138, TL ON WODLAND, TR ON FOX SQUIRREL PL, 1ST LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 164050.00

HEATED FLOOR AREA 3281.00 TOTAL AREA 4285.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 31-7S-17-10070-117 SUBDIVISION BLUEBIRD LANDING

LOT 17 BLOCK PHASE UNIT TOTAL ACRES

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	06-0388-N	BK	JH
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance

Y — New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 138

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by — Foundation date/app. by — Monolithic date/app. by

Under slab rough-in plumbing date/app. by — Slab date/app. by — Sheathing/Nailing date/app. by

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

Electrical rough-in date/app. by — Heat & Air Duct date/app. by — Peri. beam (Lintel) date/app. by

Permanent power date/app. by — C.O. Final date/app. by — Culvert date/app. by

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

Reconnection date/app. by — Pump pole date/app. by — Utility Pole date/app. by

M/H Pole date/app. by — Travel Trailer date/app. by — Re-roof date/app. by

BUILDING PERMIT FEE $ 825.00 CERTIFICATION FEE $ 21.43 SURCHARGE FEE $ 21.43

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 942.86

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Hi Joe,

Enclosed you will find stair/rail drawings to satisfy Item #'s (5, 6), on your list of corrections.

Burks Residence - Permit # 0604-97

I will be back up to Lake City on Thurs/Fri (5-11/12) if you need anything further.

Thanks again for your help.

Regards,

Lynnette Burks

T. ANEL TRAILER 24502

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 060497 Date Received 4/27/06 By CT Permit # 24498

Application Approved by - Zoning Official BLK Date 04.05.06 Plans Examiner OKJH Date 5-9-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A3

Comments Survey OK # 138

FAX 561-282-6202

Applicants Name W. Lyn & Lynnette Bulks Phone 561 625 1132

Address 13400 Running Water Road, Palm Beach Gardens, FL 33418

Owners Name (Same) Phone Lynnette cell 623-0728

911 Address 367 SW Bluebird Ct, Ft White, FL 32038

Contractors Name owner builder Phone

Address

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Disosway Engineering, POB 868, Lake City, FL 32056

Mortgage Lenders Name & Address N/A

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

Property ID Number 31-7S-17-10070-117 Estimated Cost of Construction

Subdivision Name Bluebird Landing Lot 17 Block Unit Phase

Driving Directions 475, TL on 27, TL on 138, TL on Woodland, TR on Fox Squirrel Place, 1st lot on left; corner of Bluebird & Fox Squirrel - Gate code - press Key Symbol, then 014208

Type of Construction Single Family Res. Number of Existing Dwellings on Property N/A

Total Acreage 10 ac. Lot Size Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front (N) 545.34 Side (E) 278.51 Side (W) 187.37 Rear (S) 138.27

Total Building Height 25'10" Number of Stories 1 Heated Floor Area 3281 Roof Pitch 8/12 5/12

TOTAL 4285

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBC1252260

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

JACOB SPARKS
Notary Public - State of Florida
My Commission Expires Feb 25, 2010
Commission # DD 513518
Bonded By National Notary Assn.

Sworn to (or affirmed) and subscribed before me this 26th day of April 2006

Personally known Y or Produced Identification

Notary Signature

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**602175Burks, Lyn & Lynnette**	Builder:	Owner Builder
Address:	**Lot: , Sub: Blue Bird Landi, Plat:**	Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	24494
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 28.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 28.0 kBtu/hr
5. Is this a worst case?	No		SEER: 10.00
6. Conditioned floor area (ft²)	3281 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 296.5 ft²	a. Electric Heat Pump	Cap: 28.0 kBtu/hr
b. SHGC:			HSPF: 7.00
(or Clear or Tint DEFAULT) 7b.	(Clear) 296.5 ft²	b. Electric Heat Pump	Cap: 28.0 kBtu/hr
8. Floor types			HSPF: 7.00
a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 1.0 gallons
a. Frame, Wood, Exterior	R=13.0, 2225.0 ft²		EF: 0.94
b. N/A		b. Electric Resistance	Cap: 1.0 gallons
c. N/A			EF: 0.94
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 3329.0 ft²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.09 Total as-built points: 36857 Total base points: 42251 **PASS**

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

PREPARED BY: Ben Spradley

DATE: 5-5-06

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: Blue Bird Landi, Plat: , , 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	3281.0	20.04	11835.2	Double, Clear	N	16.0	9.5	80.0	19.20	0.64	980.1	
				Double, Clear	E	1.5	0.0	15.0	42.06	0.36	225.1	
				Double, Clear	S	1.5	6.0	8.0	35.87	0.86	245.7	
				Double, Clear	S	1.5	5.0	6.0	35.87	0.81	173.6	
				Double, Clear	S	8.0	9.5	40.5	35.87	0.54	789.0	
				Double, Clear	S	8.0	9.5	20.0	35.87	0.54	389.6	
				Double, Clear	S	1.5	7.0	30.0	35.87	0.89	962.5	
				Double, Clear	S	1.5	7.0	15.0	35.87	0.89	481.3	
				Double, Clear	W	1.5	0.0	10.0	38.52	0.37	144.3	
				Double, Clear	W	1.5	0.0	9.0	38.52	0.37	129.9	
				Double, Clear	N	1.5	0.0	15.0	19.20	0.59	170.8	
				Double, Clear	W	1.5	0.0	30.0	38.52	0.37	432.9	
				Double, Clear	W	1.5	0.0	18.0	38.52	0.37	259.8	
				As-Built Total:				**296.5**			**5384.6**	
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	2225.0	1.50		3337.5	
Exterior	2225.0	1.70	3782.5									
Base Total:	**2225.0**		**3782.5**	**As-Built Total:**				**2225.0**			**3337.5**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				60.0	4.10		246.0	
Exterior	100.0	4.10	410.0	Exterior Insulated				40.0	4.10		164.0	
Base Total:	**100.0**		**410.0**	**As-Built Total:**				**100.0**			**410.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	3281.0	1.73	5676.1	Under Attic			30.0	3329.0	1.73 X 1.00		5759.2	
Base Total:	**3281.0**		**5676.1**	**As-Built Total:**				**3329.0**			**5759.2**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	257.0(p)	-37.0	-9509.0	Slab-On-Grade Edge Insulation			0.0	257.0(p	-41.20		-10588.4	
Raised	0.0	0.00	0.0									
Base Total:			**-9509.0**	**As-Built Total:**				**257.0**			**-10588.4**	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	3281.0	10.21	33499.0				3281.0	10.21		33499.0
Summer Base Points: 45693.9				**Summer As-Built Points:**						**37801.9**
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 28000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				37802		0.50	(1.09 x 1.147 x 0.91)	0.341	1.000	7339.2
				(sys 2: Central Unit 28000 btuh ,SEER/EFF(10.0) Ducts: None						
				37802		0.50	(1.00 x 1.147 x 1.00	0.341	1.000	7339.2
45693.9		**0.4266**	**19493.0**	**37801.9**		**1.00**	**1.138**	**0.341**	**1.000**	**14678.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , 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	3281.0	12.74	7524.0	Double, Clear	N	16.0	9.5	80.0	24.58	1.02	2013.3	
				Double, Clear	E	1.5	0.0	15.0	18.79	1.51	424.8	
				Double, Clear	S	1.5	6.0	8.0	13.30	1.12	118.9	
				Double, Clear	S	1.5	5.0	6.0	13.30	1.20	95.5	
				Double, Clear	S	8.0	9.5	40.5	13.30	2.47	1332.5	
				Double, Clear	S	8.0	9.5	20.0	13.30	2.47	658.0	
				Double, Clear	S	1.5	7.0	30.0	13.30	1.07	428.4	
				Double, Clear	S	1.5	7.0	15.0	13.30	1.07	214.2	
				Double, Clear	W	1.5	0.0	10.0	20.73	1.24	256.6	
				Double, Clear	W	1.5	0.0	9.0	20.73	1.24	230.9	
				Double, Clear	N	1.5	0.0	15.0	24.58	1.03	378.7	
				Double, Clear	W	1.5	0.0	30.0	20.73	1.24	769.7	
				Double, Clear	W	1.5	0.0	18.0	20.73	1.24	461.8	
				As-Built Total:				**296.5**			**7383.2**	
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	2225.0	3.40		7565.0	
Exterior	2225.0	3.70	8232.5									
Base Total:	**2225.0**		**8232.5**	**As-Built Total:**				**2225.0**			**7565.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				60.0	8.40		504.0	
Exterior	100.0	8.40	840.0	Exterior Insulated				40.0	8.40		336.0	
Base Total:	**100.0**		**840.0**	**As-Built Total:**				**100.0**			**840.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	3281.0	2.05	6726.0	Under Attic			30.0	3329.0	2.05 X	1.00	6824.4	
Base Total:	**3281.0**		**6726.0**	**As-Built Total:**				**3329.0**			**6824.4**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	257.0(p)	8.9	2287.3	Slab-On-Grade Edge Insulation			0.0	257.0(p	18.80		4831.6	
Raised	0.0	0.00	0.0									
Base Total:			**2287.3**	**As-Built Total:**				**257.0**			**4831.6**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	3281.0	-0.59	-1935.8		3281.0	-0.59	-1935.8			
Winter Base Points:			**23674.0**	**Winter As-Built Points:**						**25508.5**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 28000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				25508.5	0.500	(1.069 x 1.169 x 0.93)	0.487	1.000	7220.8	
				(sys 2: Electric Heat Pump 28000 btuh ,EFF(7.0) Ducts: None						
				25508.5	0.500(1.00 x 1.169 x 1.00)		0.487	1.000	7220.8	
23674.0	**0.6274**	**14853.1**		**25508.5**	**1.00**	**1.162**	**0.487**	**1.000**	**14441.6**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , 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	
3		2635.00	7905.0	1.0	0.94	3	0.50	2578.94	1.00	3868.4	
				1.0	0.94	3	0.50	2578.94	1.00	3868.4	
				As-Built Total:							**7736.8**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
19493	**14853**	**7905**	**42251**	**14678**	**14442**	**7737**	**36857**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.2

The higher the score, the more efficient the home.

, Lot: , Sub: Blue Bird Landi, Plat: , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 28.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3	b.	Central Unit	Cap: 28.0 kBtu/hr
5.	Is this a worst case?	No			SEER: 10.00
6.	Conditioned floor area (ft²)	3281 ft²	c.	N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 296.5 ft²	a.	Electric Heat Pump	Cap: 28.0 kBtu/hr
b.	SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 296.5 ft²	b.	Electric Heat Pump	Cap: 28.0 kBtu/hr
8.	Floor types				HSPF: 7.00
a.	Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 1.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 2225.0 ft²			EF: 0.94
b.	N/A		b.	Electric Resistance	Cap: 1.0 gallons
c.	N/A				EF: 0.94
d.	N/A		c.	Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 3329.0 ft²	15.	HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____
( ) New Construction
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Lynne He Burks , have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number 000024394

Signature 4/24/06
Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date_____ Building Official/Representative_____

Property Appraisers Parcel I.D. Number(s):
10070-117

Inst:20033016487 Date:08/06/2003 Time:09:27
MCK DC,P.DeWitt Cason,Columbia County B:990 P:1986

SATISFACTION OF MORTGAGE

KNOW ALL MEN BY THESE PRESENTS: That the undersigned owner(s) and holder(s) of a certain mortgage deed executed by WALLACE LYN BURKS AND LYNETTE G. BURKS, HIS WIFE to H.A. BUIE, SR., bearing date the 21ST day of JUNE, 2003, recorded JUNE 26,2003 in Official Records Book 987, Page 33 in the office of the Clerk of the Circuit Court of COLUMBIA County, State of Florida, securing that certain note in the principal sum of SIXTY SIX THOUSAND TWO HUNDRED SEVENTY ONE AND 51/100DOLLARS ($66,271.51), and certain promises and obligations set forth in said mortgage deed, upon the property situate in said State and County described as follows, to-wit:

AS DESCRIBED IN ABOVE REFERENCED MORTGAGE

hereby acknowledge(s) full payment and satisfaction of said note and mortgage deed, and surrender(s) the same as cancelled, and hereby direct(s) the Clerk of the said Circuit Court to cancel the same of record.

WITNESS my/our hand(s) and seal(s) this 30th day of JULY 2003,

H.A. BUIE, SR.
Address: P.O. BOX 541
Lake City, FL 32056

STATE OF FLORIDA
COUNTY OF COLUMBIA

I hereby certify that on this day, before me, an officer duly authorized in the state aforesaid and in the county aforesaid to take acknowledgments, personally appeared , who is/are personally known to me or who, by producing PERSONALLY KNOWN as identification, is/are known to me to be the person(s) described in and who executed the foregoing instrument and acknowledged before me that he/she/they executed the same for the purpose(s) therein expressed.

Witness my hand and official seal in the county and state aforesaid this 30th day of JULY,2003 .

Notary Public:
Commission Expires:

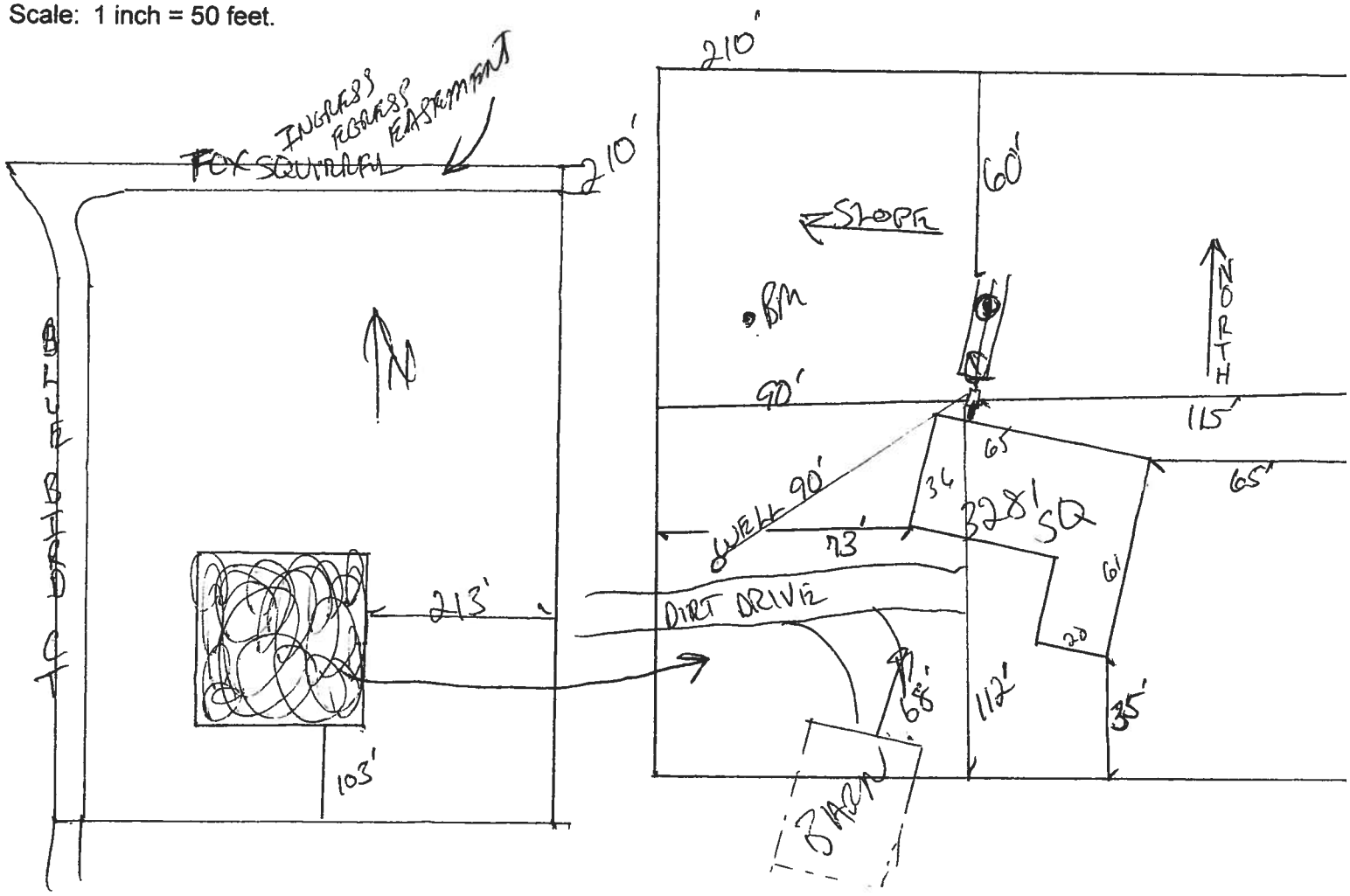
JOYCE L. KIRPACH
Notary Public, State of Florida
My comm. exp. Apr. 20, 2004
Comm. No. CC930018

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0388N

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



Notes: 1 of 10 Acres

Site Plan submitted by: Rocky D Tyo

MASTER CONTRACTOR

Plan Approved X Not Approved

Date 4/25/06

By [signature] APPROVED Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 4/11/2006 **DATE ISSUED:** 4/12/2006

ENHANCED 9-1-1 ADDRESS:

367 SW BLUE BIRD CT

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

31-7S-17-10070-117

Remarks:

LOT 17 BLUE BIRD LANDING UNR S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

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COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

COLUMBIA COUNTY, FLORIDA
LAND DEVELOPMENT REGULATION ADMINISTRATOR
SPECIAL PERMIT FOR TEMPORARY USE
APPLICATION

Permit No. STUP RV 06-13 Date 4/27/06

Fee $100.00 Receipt No. 3394

Certain uses are of short duration and do not create excessive incompatibility during the course of the use. Therefore, the Land Development Regulation Administrator is authorized to issue temporary use permits for the following activities, after a showing that any nuisance or hazardous feature involved is suitably separated from adjacent uses; excessive vehicular traffic will not be generated on minor residential streets; and a vehicular parking problem will not be created:

1. In any zoning district: special events operated by non-profit, eleemosynary organizations.

2. In any zoning district: Christmas tree sales lots operated by non-profit, eleemosynary organizations.

3. In any zoning district: other uses which are similar to (1) and (2) above and which are of a temporary nature where the period of use will not extend beyond thirty (30) days.

4. In any zoning district: mobile homes or travel trailers used for temporary purposes by any agency of municipal, County, State, or Federal government; provided such uses shall not be or include a residential use.

5. In any zoning district: mobile homes or travel trailers used as a residence, temporary office, security shelter, or shelter for materials of goods incident to construction on or development of the premises upon which the mobile home or travel trailer is located. Such use shall be strictly limited to the time construction or development is actively underway. In no event shall the use continue more than twelve (12) months without the approval of the Board of County Commissioners and the Board of County Commissioners shall give such approval only upon finding that actual construction is continuing.

6. In agricultural, commercial, and industrial districts: temporary religious or revival activities in tents.

7. In agricultural districts: In addition to the principal residential dwelling, one (1) additional mobile homes may be used as an accessory residence, provided that such mobile homes are occupied by persons related by the grandparent, parent, step-parent, adopted parent, sibling, child, stepchild, adopted child or grandchild of the family occupying the principal residential use. Such mobile homes are exempt from lot area requirements, and shall not be located within required yard areas. Such mobile homes shall not be located within twenty (20) feet of any building. A temporary use permit for such mobile homes may be granted for a time period up to one (1) year. When the temporary use permit expires, the applicant may invoke the provisions of Section14.9, entitled Special Family Lot Permits.

8. In shopping centers within Commercial Intensive districts only: mobile recycling collection units. These units shall operate only between the hours of 7:30 a.m. and 8:30 p.m. and shall be subject to the review of the Land Development Regulation Administrator. Application for permits shall include written confirmation of the permission of the shopping center owner and a site plan which includes distances from buildings, roads, and property lines. No permit shall be valid for more than thirty (30) days within a twelve (12) month period, and the mobile unit must not remain on site more than seven (7) consecutive days. Once the unit is moved off-site, it must be off-site for six (6) consecutive days.

9. In any zoning district: A temporary business, as defined within these Land Development Regulations. At least sixty (60) days prior to the commencement date of the temporary permit, the applicant shall submit an application to the County, which shall include the following information.

   a. the name and permanent address or headquarters of the person applying for the permit;

   b. if the applicant is not an individual, the names and addresses of the business;

   c. the names and addresses of the person or persons which will be in direct charge of conducting the temporary business;

   d. the dates and time within which the temporary business will be operated;

   e. the legal description and street address where the temporary business will be located;

   f. the name of the owner or owners of the property upon which the temporary business will be located;

   g. a written agreement containing the permission from the owner of the property for its use for a temporary business must be attached to and made a part of the application for the permit;

h. a site plan showing display areas, plans for access and egress of vehicular traffic, any moveable interim structures, tents, sign and banner location and legal description of the property must accompany the application for the temporary use permit; and

i. a public liability insurance policy, written by a company authorized to do business in the State of Florida, insuring the applicant for the temporary permit against any and all claims and demands made by persons for injuries or damages received by reason of or arising our of operating the temporary business. The insurance policy shall provide for coverage of not less than one million dollars ($1,000,000.00) for damages incurred or claims by more than one person for bodily injury and not less than two million dollars ($2,000,000.00) for damages incurred or claims by more than one person for bodily injury and fifty thousand dollars ($50,000.00) for damages to property for one person and one hundred thousand dollars ($100,000.00) for damages to property claimed by more than one person. The original or duplicate of such policy, fully executed by the insurer, shall be attached to the application for the temporary permit, together with adequate evidence that the premiums have been paid.

The sales permitted for a temporary business, as defined with these land development regulations, including, but not limited to, promotional sales such as characterized by the so-called "sidewalk "sale", "vehicle sale", or "tent sale", shall not exceed three (3) consecutive calendar days.

There must be located upon the site upon which the temporary business shall be conducted public toilet facilities which comply with the State of Florida code, potable drinking water for the public, approved containers for disposing of waste and garbage and adequate light to illuminate the site at night time to avoid theft and vandalism.

If the application is for the sale of automobiles or vehicles, the applicant shall provide with the application a copy of a valid Florida Department of Motor Vehicle Dealers license and Department of Motor Vehicle permit to conduct an "offsite" sale. If any new vehicles are to be displayed on the site, a copy of the factory authorization to do so will be required to be filed with the application.

No activities, such as rides, entertainment, food, or beverage services shall be permitted on the site in conjunction with the operation of the temporary business.

Not more than one (1) sign shall be located within or upon the property for which the temporary permits is issued, and shall not exceed sixteen (16) square feet in surface area. No additional signs, flags, banners, balloons or other forms of visual advertising shall be permitted. The official name of the applicant and its permanent location and street address, together with its

permanent telephone number, must be posted on the site of the property for which the temporary permit is issued and shall be clearly visible to the public.

Any applicant granted a temporary permit under these provisions shall also comply with and abide by all other applicable federal, State of Florida, and County laws, rules and regulations.

Only one (1) tent, not to exceed three hundred fifty (350) square feet in size shall be permitted to be placed on the site of the temporary business and such tent, if any, shall be properly and adequately anchored and secured to the ground or to the floor of the tent.

No person or entity shall be issued more than one (1) temporary permit during each calendar year.

The temporary permit requested by an applicant shall be issued or denied within sixty (60) days following the date of the application therefor is filed with the Land Development Regulation Administrator.

10. In agriculture and environmentally sensitive area districts: a single recreational vehicle as described on permit for living, sleeping, or housekeeping purposes for one-hundred eighty (180) consecutive days from date that permit is issued, subject to the following conditions:

    a. Demonstrate a permanent residence in another location.

    b. Meet setback requirements.

    c. Shall be hooked up to or have access to appropriate electrical service, potable well and sanitary sewer facilities (bathroom and septic tank) that have been installed pursuant to permits issued by the Health Department and County Building and Zoning Department, where required.

    d. Upon expiration of the permit the recreational vehicle shall not remain on property parked or stored and shall be removed from the property for 180 consecutive days.

    e. Temporary RV permits are renewable only after one (1) year from issuance date of any prior temporary permit.

Temporary RV permits existing at the effective date of this amendment may be renewed for one (1) additional temporary permit in compliance with these land development regulations, as amended. Recreational vehicles as permitted in this section are not to include RV parks.

Appropriate conditions and safeguards may include, but are not limited to, reasonable time limits within which the action for which temporary use permit is requested shall be begun or completed, or both. Violation of such conditions and safeguards, when made a part of the terms under which the special permit is granted, shall be deemed a violation of these land development regulations and punishable as provided in Article 15 of these land development regulations.

---

1. Name of Title Holder(s) Lyn ; LynneHe Bulks

Current: 13400 Running Water Rd, PBG, FL 33418

Address proposed 367 SW Bluebird Ct City Ft White Zip Code 32038

Phone (561) 625 1132

561 723 0728 (LynneHe - cell)

NOTE: If the title holder(s) of the subject property are appointing an agent to represent them, a letter from the title holder(s) addressed to the Land Development Regulation Administrator MUST be attached to this application at the time of submittal stating such appointment.

Title Holder(s) Representative Agent(s) N/A

Address _____ City _____ Zip Code _____

Phone ( )

2. Size of Property 10 ac

3. Tax Parcel ID# 31-7S-17-10070-117

4. Present Land Use Classification Ag A-3

5. Present Zoning District Ag/Res A-3

6. Proposed Temporary Use of Property #5 Temporary Residence during single family residence construction.

(Include the paragraph number the use applies under listed on Page 1 and 2)

7. Proposed Duration of Temporary Use 12 months

8. Attach Copy of Deed of Property.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Lynnette Burks
Applicants Name (Print or Type)

Lynnette Burks 4/27/06
Applicant Signature Date

OFFICIAL USE

Approved X BLK 28.04.06

Denied

Reason for Denial

Conditions (if any)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**602175Burks, Lyn & Lynnette**	Builder:	
Address:	**Lot: , Sub: Blue Bird Landi, Plat:**	Permitting Office:	
City, State:	**, FL**	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 56.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	3281 ft²	c. N/A	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 296.5 ft²	a. Electric Heat Pump	Cap: 56.0 kBtu/hr
b. SHGC:			HSPF: 7.00
(or Clear or Tint DEFAULT) 7b.	(Clear) 296.5 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 2225.0 ft²		EF: 0.93
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 3329.0 ft²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.09 Total as-built points: 36940 Total base points: 42251 **PASS**

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

PREPARED BY: Ken Grande

DATE: 4-27-06

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: Blue Bird Landi, Plat: , , 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	**3281.0**	**20.04**	**11835.2**	Double, Clear	N	16.0	9.5	80.0	19.20	0.64	980.1	
				Double, Clear	E	1.5	0.0	15.0	42.06	0.36	225.1	
				Double, Clear	S	1.5	6.0	8.0	35.87	0.86	245.7	
				Double, Clear	S	1.5	5.0	6.0	35.87	0.81	173.6	
				Double, Clear	S	8.0	9.5	40.5	35.87	0.54	789.0	
				Double, Clear	S	8.0	9.5	20.0	35.87	0.54	389.6	
				Double, Clear	S	1.5	7.0	30.0	35.87	0.89	962.5	
				Double, Clear	S	1.5	7.0	15.0	35.87	0.89	481.3	
				Double, Clear	W	1.5	0.0	10.0	38.52	0.37	144.3	
				Double, Clear	W	1.5	0.0	9.0	38.52	0.37	129.9	
				Double, Clear	N	1.5	0.0	15.0	19.20	0.59	170.8	
				Double, Clear	W	1.5	0.0	30.0	38.52	0.37	432.9	
				Double, Clear	W	1.5	0.0	18.0	38.52	0.37	259.8	
				As-Built Total:				**296.5**			**5384.6**	

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	2225.0	1.50	3337.5
Exterior	2225.0	1.70	3782.5					
Base Total:	**2225.0**		**3782.5**	**As-Built Total:**		**2225.0**		**3337.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	60.0	4.10	246.0
Exterior	100.0	4.10	410.0	Exterior Insulated	40.0	4.10	164.0
Base Total:	**100.0**		**410.0**	**As-Built Total:**	**100.0**		**410.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	3281.0	1.73	5676.1	Under Attic	30.0	3329.0	1.73 X 1.00	5759.2
Base Total:	**3281.0**		**5676.1**	**As-Built Total:**		**3329.0**		**5759.2**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	257.0(p)	-37.0	-9509.0	Slab-On-Grade Edge Insulation	0.0	257.0(p	-41.20	-10588.4
Raised	0.0	0.00	0.0					
Base Total:			**-9509.0**	**As-Built Total:**		**257.0**		**-10588.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	3281.0	10.21	33499.0				3281.0	10.21		33499.0
Summer Base Points: 45693.9				**Summer As-Built Points:**						**37801.9**
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 56000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				37802		1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	14678.5
45693.9		**0.4266**	**19493.0**	**37801.9**		**1.00**	**1.138**	**0.341**	**1.000**	**14678.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , 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	**3281.0**	**12.74**	**7524.0**	Double, Clear	N	16.0	9.5	80.0	24.58	1.02	2013.3	
				Double, Clear	E	1.5	0.0	15.0	18.79	1.51	424.8	
				Double, Clear	S	1.5	6.0	8.0	13.30	1.12	118.9	
				Double, Clear	S	1.5	5.0	6.0	13.30	1.20	95.5	
				Double, Clear	S	8.0	9.5	40.5	13.30	2.47	1332.5	
				Double, Clear	S	8.0	9.5	20.0	13.30	2.47	658.0	
				Double, Clear	S	1.5	7.0	30.0	13.30	1.07	428.4	
				Double, Clear	S	1.5	7.0	15.0	13.30	1.07	214.2	
				Double, Clear	W	1.5	0.0	10.0	20.73	1.24	256.6	
				Double, Clear	W	1.5	0.0	9.0	20.73	1.24	230.9	
				Double, Clear	N	1.5	0.0	15.0	24.58	1.03	378.7	
				Double, Clear	W	1.5	0.0	30.0	20.73	1.24	769.7	
				Double, Clear	W	1.5	0.0	18.0	20.73	1.24	461.8	
				As-Built Total:				**296.5**			**7383.2**	

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	2225.0	3.40	7565.0
Exterior	2225.0	3.70	8232.5					
Base Total:	**2225.0**		**8232.5**	**As-Built Total:**		**2225.0**		**7565.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	60.0	8.40	504.0
Exterior	100.0	8.40	840.0	Exterior Insulated	40.0	8.40	336.0
Base Total:	**100.0**		**840.0**	**As-Built Total:**	**100.0**		**840.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	3281.0	2.05	6726.0	Under Attic	30.0	3329.0	2.05 X 1.00	6824.4
Base Total:	**3281.0**		**6726.0**	**As-Built Total:**		**3329.0**		**6824.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	257.0(p)	8.9	2287.3	Slab-On-Grade Edge Insulation	0.0	257.0(p	18.80	4831.6
Raised	0.0	0.00	0.0					
Base Total:			**2287.3**	**As-Built Total:**		**257.0**		**4831.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	3281.0	-0.59	-1935.8		3281.0	-0.59	-1935.8			
Winter Base Points:			**23674.0**	**Winter As-Built Points:**						**25508.5**
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 56000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				25508.5	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	14441.6	
23674.0	**0.6274**	**14853.1**		**25508.5**	**1.00**	**1.162**	**0.487**	**1.000**	**14441.6**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Blue Bird Landi, Plat: , , 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
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67	1.00	7820.0
				As-Built Total:							**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
19493	**14853**	**7905**	**42251**	**14678**	**14442**	**7820**	**36940**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.2

The higher the score, the more efficient the home.

, Lot: , Sub: Blue Bird Landi, Plat: , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 56.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	3281 ft²		c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 296.5 ft²		a. Electric Heat Pump	Cap: 56.0 kBtu/hr
	b. SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 296.5 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 2225.0 ft²			EF: 0.93
	b. N/A			b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 3329.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Friday
4/28/06

Gale,

- Will you please add these to the file for W.Lyn : Lynnette Burks ?

- I appreciate all of the help that you gave me on Wed/Thurs.

- Josh Sparks, our contractor, will arrange to have the sealed truss drawings delivered to you as well.

Thanks again. Please contact me if you need anything further.

Lynnette Burks
561 625 1132
(c) 561 723 0728

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 31-7S-17-10070-117 **PERMIT NUMBER** 0604-97

1. **Description of property: (legal description of the property and street address or 911 address)**
   367 SW Bluebird Ct
   Ft White, FL 32038
2. **General description of improvement:** New home Construction
3. **Owner Name & Address** Lyn & Lynnette Burks, 367 SW Bluebird Ct, Ft White, FL 32038 **Interest in Property** owner
4. **Name & Address of Fee Simple Owner (if other than owner):**
5. **Contractor Name** Sparks Const **Phone Number** 386 755 9314
   Address 163 SW Midtown Pl, Suite 105, Lake City, FL
6. **Surety Holders Name** N/A **Phone Number**
   Address
   Amount of Bond
7. **Lender Name** N/A **Phone Number**
   Address
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 **Phone Number**
   Address
9. **In addition to himself/herself the owner designates** 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
10. **Expiration date of the Notice of Commencement (the (Unless a different date is specified)** _____ 1.7

Inst:2006011578 Date:05/11/2006 Time:16:09
DC,P.DeWitt Cason,Columbia County B:1083 P:1356

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.

Sworn to (or affirmed) and subscribed before day of May 11, **20** 06

Signature of Owner

NOTARY STAMP/SEAL

F. VONCILE DOW
MY COMMISSION # DD 154929
EXPIRES: October 3, 2006
Bonded Thru Notary Public Underwriters

Signature of Notary

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0604-97

Lyn & Lynnette Burks Owner Builders Lot 17 Bluebird landing

On the date of May 3, 2006 application 0604-97and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0604-97 when making reference to this application.

1. Please provide two sets of the structural plans with Mr. Mark Disosway signature along with his professional engineer embossed seal.
2. Provide two sets of truss plans along with two sets of bonus room floor system joist trusses plans which have the designer signature along with his professional engineer embossed seal.

3. Please show compliance with the Florida Building & Mechanical Code section 306.3 Appliances in attics. Attics containing appliances requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance. The passageway shall not be less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 6 feet (1829 mm) in length measured along the centerline of the passageway from the attic access opening to the appliance's service panel. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the appliance. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), where such dimensions are large enough to allow removal of the largest appliance. Exception: The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening. 306.3.1 Electrical requirements. A lighting fixture with receptacle outlet, controlled by a switch located at the passageway opening, shall be provided so as to light the passageway and service area and installed in accordance with Chapter 27 of the Florida Building Code, Building.

    A. 306.3.2 Air-handling units. Air-handling units shall be allowed in residential attics if the following conditions are met:

        1. The service panel of the equipment is located within 6 feet (1829 mm) feet of an attic access.

2. A device is installed to alert the owner or shut the unit down when the condensation drain is not working properly.

3. The attic access opening is of sufficient size to replace the air handler.

4. A notice is posted on the electric service panel indicating to the homeowner that the air handler is located in the attic. Said notice shall be in all capitals, in 16-point type, with the title and first paragraph in **bold:**

NOTICE TO HOMEOWNER A PART OF YOUR AIR-CONDITIONING SYSTEM, THEAIR HANDLER, IS LOCATED IN THE ATTIC. FOR PROPER, EFFICIENT, AND ECONOMIC OPERATION OF THE AIR-CONDITIONING SYSTEM, YOU MUST ENSURE THAT REGULAR MAINTENANCE IS PERFORMED. YOUR AIR-CONDITIONING SYSTEM IS EQUIPPED WITH ONE OR BOTH OF THE FOLLOWING: 1) A DEVICE THAT WILL ALERT YOU WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY, OR 2) A DEVICE THAT WILL SHUT THE SYSTEM DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING. TO LIMIT POTENTIAL DAMAGE TO YOUR HOME, AND TO AVOID DISRUPTION OF SERVICE, IT IS RECOMMENDED THAT YOU ENSURE PROPER WORKING ORDER OF THESE DEVICES BEFORE EACH SEASON OF PEAK OPERATION.

4. Also have the truss designer show that the truss system will have sufficient load bearing capacity to support this appliances.
5. The plans show spiral stairs which provide access to the loft area. Please submit shop drawing of these spiral stairs to insure compliance with the FRC-2004 sections R311.5.8.1. Spiral stairways are permitted, provided the minimum width shall be 26 inches (660 mm) with each tread having a 7½-inches (190 mm) minimum tread depth at 12 inches from the narrower edge. All treads shall be identical, and the rise shall be no more than 9½ inches (241 mm). A minimum headroom of 6 feet 6 inches (1982 mm) shall be provided. Handrails shall be provided on one side.
6. Please show on the plans a design detail of the guardrail system which will be installed in the loft area. Show compliance with the FRC-2004 sections R312.1 Guards Porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height. Open sides of stairs with a total rise of more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 34 inches (864 mm) in height measured vertically from the nosing of the treads. Porches and decks which are enclosed with insect screening shall be provided with guards where the walking surface is located more than 30 inches (762 mm) above the floor or grade below. R312.2 Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 inches (102mm) or more in diameter. Exceptions: The triangular

openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through. Openings for required guards on the sides of stair treads shall not allow a sphere 43/8 inches (107 mm) to pass through.

7. 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 (see attached form)

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL FORM

To: Lyn & Lynnette Burks Owner Builders Lot 17 Bluebird landing

Reference to a building permit application Number: 0604-97

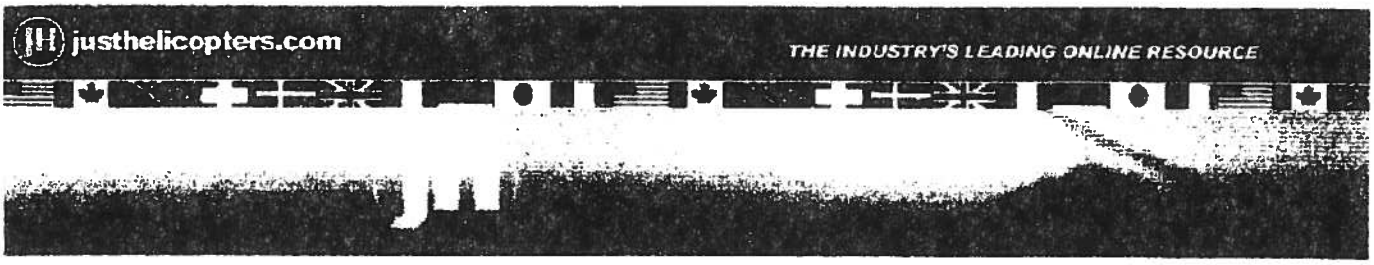
Date Sent: 05/01/06

Phone: (561) 625- 1132 Number of Pages including cover page: Eight
Fax: (561) 282-6202

Message:

The review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

386 754 7088



Tuesday, May 09, 2006

FACSIMILE

To: Columbia County B&Z – Attn: Joe Haltiwanger

From: Lyn Burks

Subject: Permit #0604-97

Pages including cover: 1

Special Instructions:

As a follow up to our phone conversation on May 8, consider this our reply to Item # 3 that was sent in our list of corrections dated 5/1/06. We are aware of the conditions that must be met regarding the air handling unit in the attic of our loft space. We will insure that all of the necessary codes outlined in Item 3 will be satisfied. We further understand that it is necessary to have the trust company send you notice that the trusses are adequate to handle the additional weight of said air handling unit.

We have appreciated your help regarding this matter. Please feel free to contact us if you need any further information.

Regards,

Lyn Burks

LLB Enterprises, Inc - Justhelicopters.com
13400 Running Water Rd., Palm Beach Gardens, Fl 33419
Phone: 561.282.6145 Fax: 561.282 6202 info@justhelicopters.com
www.justhelicopters.com

Josh Sparks B106-0152

Architectural Services and Engineering, Inc.

Florida
24710 State Road 54
Lutz, Florida 33559
1-813-948-2812 FAX : 1-813-949-2016
Florida engineering license CA 7882

Texas
3000 Sage Road, Suite 1374
Houston, Texas 77056
1-713-963-8840 FAX: 1-713-963-9840
Texas engineering license 95105

E-Mail: office@asande.com
Designers and engineers since 1965

TRUSS REPAIR COVERSHEET

Job number	Date received	Repair done by	Date repair done
L159310	4.25.06	KEITH	4/25/06

- ☐ Hold (date) _____
- ☐ No. of repairs 1
- ☐ 3 raised/ 1 flat seal
- ☐ Date faxed

Lake City

Mailed daily. Mail out regular mail.

Job	Truss	Truss Type	Qty	Ply	JOSH SPARKS - BURKS BARN
L159310	T01	SPECIAL	17	1	Job Reference (optional)

8.200 s Jul 13 2005 MiTek Industries, Inc. Mon Apr 24 17:00:03 2006 Page 1

Builder= FirstSource, Lake City, FL 32055

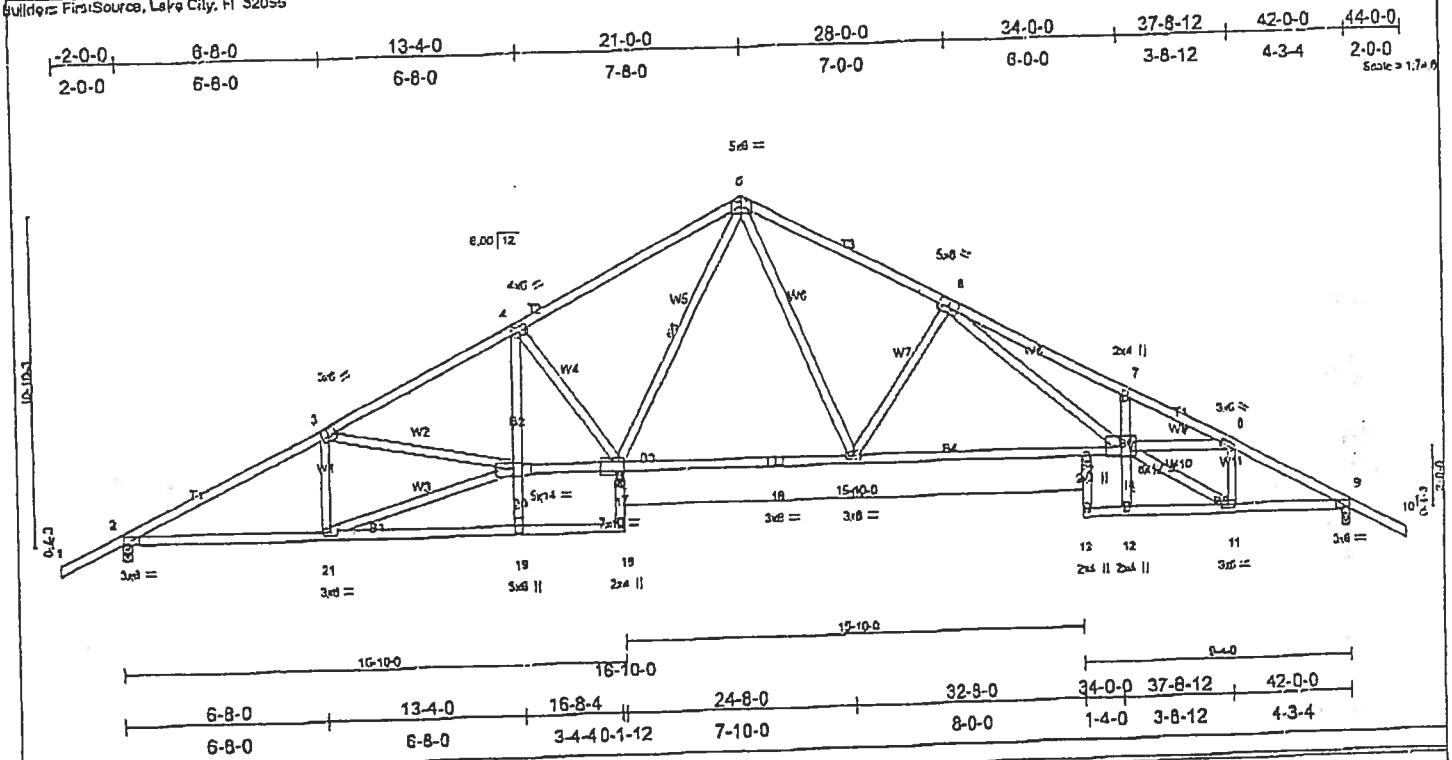


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [8:0-4-0,0-3-0], [17:0-2-0,0-2-0]

LOADING (psf)		SPACING	2-0-0
TCLL	20.0	Plates Increase	1.25
TCDL	7.0	Lumber Increase	1.25
BCLL	10.0	Rep Stress Incr	NO
BCDL	5.0	Code	FBC2004/TPI2002

CSI	
TC	0.88
BC	0.55
WB	0.87
(Matrix)	

DEFL	in	(loc)	l/defl	L/d
Vert(LL)	-0.25	14-15	>999	240
Vert(TL)	-0.42	14-15	>724	180
Horz(TL)	0.07	8	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 269 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B6 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17
JOINTS 1 Brace at Jt(s): 20

REACTIONS (lb/size) 2=344/0-3-8, 9=822/0-3-8, 17=2823/0-3-8
Max Horz 2=-185(load case 6)
Max Uplift2=-285(load case 5), 9=-579(load case 6), 17=-1195(load case 5)
Max Grav2=494(load case 8), 9=943(load case 10), 17=2825(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-365/404, 3-4=-432/1063, 4-5=-477/1480, 5-6=-339/387, 6-7=-2325/1319, 7-8=-2213/1121, 8-9=-1428/785, 9-10=0/47
BOT CHORD 2-21=-338/257, 19-21=-40/0, 18-19=0/0, 18-20=0/210, 4-20=-59/398, 17-20=-948/761, 16-17=-258/537, 15-16=-258/537, 14-15=-61/647, 12-14=0/110, 7-14=-278/349, 12-13=0/0, 11-12=-57/12, 9-11=-538/1215
WEBS 3-21=-62/303, 20-21=-311/296, 3-20=-845/688, 4-17=-730/486, 5-17=-2170/1127, 5-15=-565/1105, 6-15=-762/640, 6-14=-894/1787, 11-14=-552/1378, 8-14=-188/722, 8-11=-578/330

JOINT STRESS INDEX
2 = 0.46, 3 = 0.78, 4 = 0.69, 5 = 0.73, 6 = 0.81, 7 = 0.80, 8 = 0.41, 9 = 0.64, 11 = 0.60, 12 = 0.34, 13 = 0.34, 14 = 0.74, 15 = 0.97, 16 = 0.44, 17 = 0.90, 18 = 0.34, 19 = 0.31, 20 = 0.18, 21 = 0.35 and 22 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 285 lb uplift at joint 2, 579 lb uplift at joint 9 and 1195 lb uplift at joint 17.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-10=-54, 2-19=-30, 18-19=-30, 17-20=-30, 15-17=-55(F=-25), 14-15=-30, 12-13=-30, 9-12=-30

SEE AS SEE 15

4/25/06

Job	Truss	Truss Type	Qty	Ply	JOSH SPARKS - BURKS BARN
L159310	T01	SPECIAL	17	1	Job Reference (optional)

8.200 s Jul 13 2005 MiTek Industries, Inc. Mon Apr 24 17:00:03 2006 Page 1

Builders FirstSource, Lake City, FL 32055

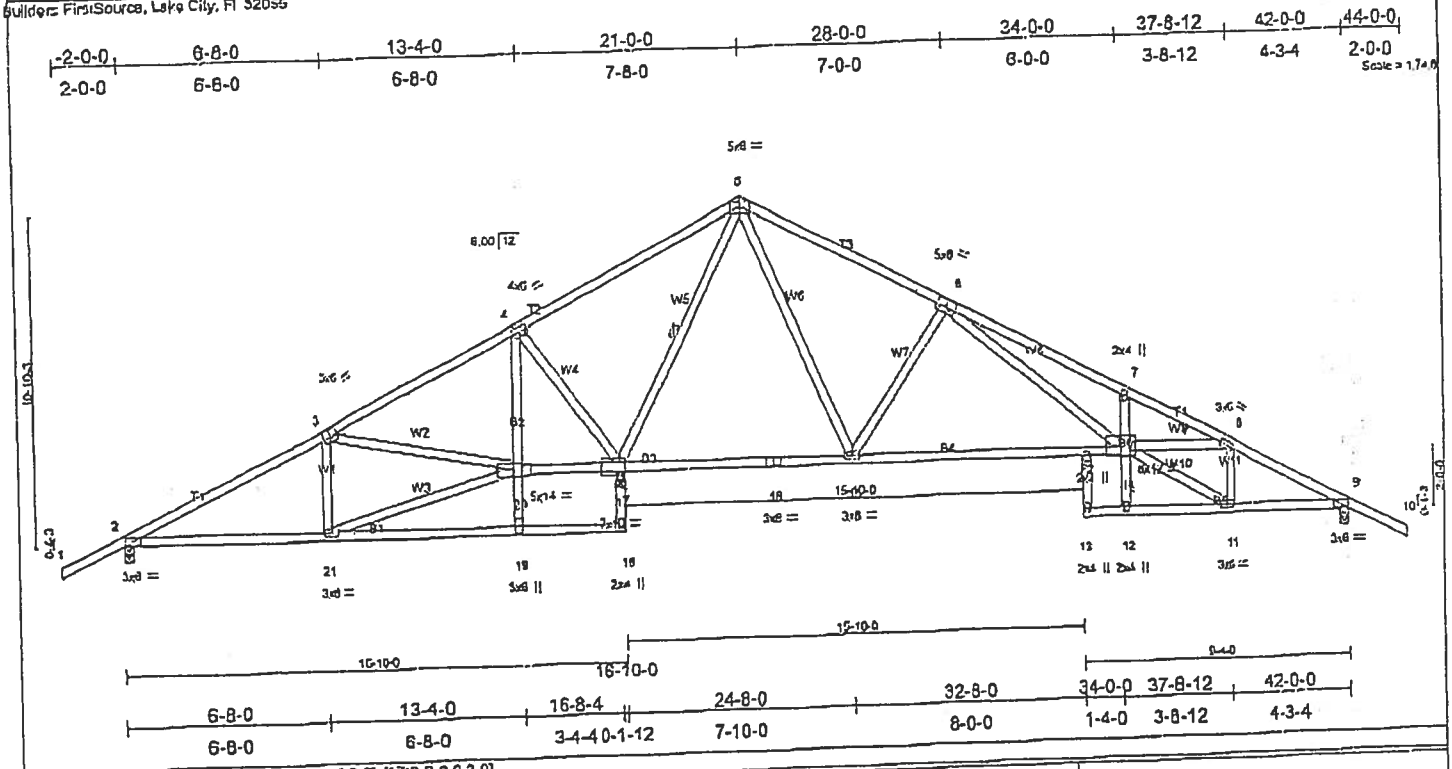


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [8:0-4-0,0-3-0], [17:0-2-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.25	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.42	14-15	>724	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B6 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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WEBS 1 Row at midpt 5-17
JOINTS 1 Brace at Jt(s): 20

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Max Horz 2=-185(load case 6)
Max Uplift2=-285(load case 5), 9=-579(load case 6), 17=-1195(load case 5)
Max Grav 2=494(load case 9), 9=943(load case 10), 17=2829(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-365/404, 3-4=-432/1053, 4-5=-477/1480, 5-6=-339/387, 6-7=-2325/1319, 7-8=-2213/1121, 8-9=-1428/785, 9-10=0/47
BOT CHORD 2-21=-338/257, 19-21=-40/0, 18-19=0/0, 18-20=0/210, 4-20=-99/398, 17-20=-948/761, 16-17=-258/537, 15-16=-258/537, 14-15=-61/647, 12-14=0/110, 7-14=-278/349, 12-13=0/0, 11-12=-57/12, 9-11=-638/1215
WEBS 3-21=-62/303, 20-21=-311/296, 3-20=-845/688, 4-17=-730/488, 5-17=-2170/1127, 5-15=-565/1105, 6-15=-762/640, 6-14=-894/1787, 11-14=-562/1378, 8-14=-188/722, 8-11=-578/330

JOINT STRESS INDEX
2 = 0.46, 3 = 0.78, 4 = 0.69, 5 = 0.73, 6 = 0.61, 7 = 0.60, 8 = 0.41, 9 = 0.64, 11 = 0.60, 12 = 0.34, 13 = 0.34, 14 = 0.74, 15 = 0.97, 16 = 0.44, 17 = 0.90, 18 = 0.34, 19 = 0.31, 20 = 0.18, 21 = 0.35 and 22 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 285 lb uplift at joint 2, 579 lb uplift at joint 9 and 1195 lb uplift at joint 17.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-10=-54, 2-19=-30, 18-19=-30, 17-20=-30, 15-17=-55(F=-25), 14-15=-30, 12-13=-30, 9-12=-30

SEE AS 15

4/25/06

Job	Truss	Truss Type	Qty	Ply	JOSH SPARKS - BURKS BARN
L159310	T01	SPECIAL	17	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.200 s Jul 13 2005 MiTek Industries, Inc. Mon Apr 24 17:00:03 2006 Page 1

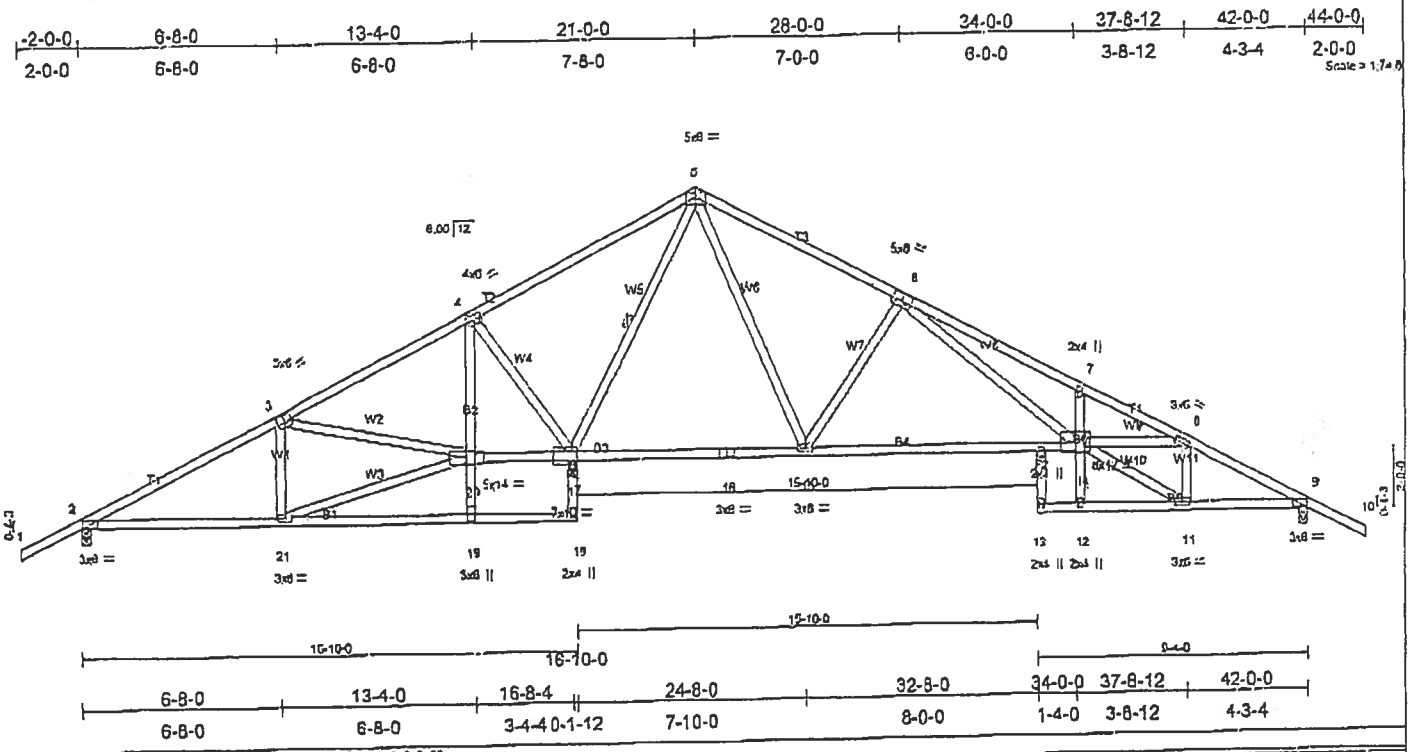

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [8:0-4-0,0-3-0], [17:0-2-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.25	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.42	14-15	>724	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.07	8	n/a	n/a	Weight: 269 lb	
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)								

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B6 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17
JOINTS 1 Brace at Jt(s): 20

REACTIONS (lb/size) 2=344/0-3-8, 9=822/0-3-8, 17=2823/0-3-8
Max Horz 2=-185(load case 6)
Max Uplift2=-295(load case 5), 9=-579(load case 6), 17=-1195(load case 5)
Max Grav 2=494(load case 6), 9=943(load case 10), 17=2823(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-365/404, 3-4=-432/1063, 4-5=-477/1480, 5-6=-339/387, 6-7=-2325/1319, 7-8=-2213/1121, 8-9=-1428/785, 9-10=0/47
BOT CHORD 2-21=-338/257, 19-21=-40/0, 18-19=0/0, 19-20=0/210, 4-20=-39/338, 17-20=-948/761, 16-17=-258/537, 15-16=-258/537, 14-15=-81/547, 12-14=0/110, 7-14=-278/349, 12-13=0/0, 11-12=-57/12, 9-11=-638/1215
WEBS 3-21=-62/303, 20-21=-311/286, 3-20=-845/685, 4-17=-730/488, 5-17=-2170/1127, 5-15=-505/1105, 6-15=-762/640, 6-14=-894/1787, 11-14=-562/1378, 8-14=-188/722, 8-11=-578/330

JOINT STRESS INDEX
2 = 0.46, 3 = 0.78, 4 = 0.69, 5 = 0.73, 6 = 0.81, 7 = 0.80, 8 = 0.41, 9 = 0.64, 11 = 0.60, 12 = 0.34, 13 = 0.34, 14 = 0.74, 15 = 0.97, 16 = 0.44, 17 = 0.90, 18 = 0.34, 19 = 0.31, 20 = 0.18, 21 = 0.35 and 22 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 295 lb uplift at joint 2, 579 lb uplift at joint 9 and 1195 lb uplift at joint 17.
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LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-10=-54, 2-19=-30, 18-19=-30, 17-20=-30, 15-17=-55(F=-25), 14-15=-30, 12-13=-30, 9-12=-30

SEE AS SEE 15

4/25/06

(CONTINUED from Pg. 3)

TAMKO ROOFING PRODUCTS

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing wind. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

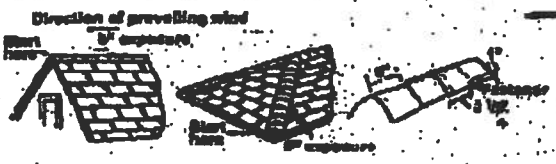
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN SEALING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



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

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

Visit Our Web Site at www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2068
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2658
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1634
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8668

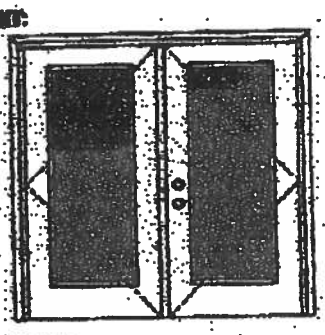
6/01

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
[redacted]

Design Pressure
+40.5/-40.5
[redacted]

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

[redacted]

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:

1/2 GLASS:

*This glass kit may also be used in the following door styles: 6-panel; 6-panel with sidelt; Optiview 6-panel; Optiview 6-panel with sidelt.

Johnson

[redacted]

FRONTDOOR Solutions

Masonite International Corporation

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:

FULL GLASS:

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Johnson Barry Systems

March 28, 2002
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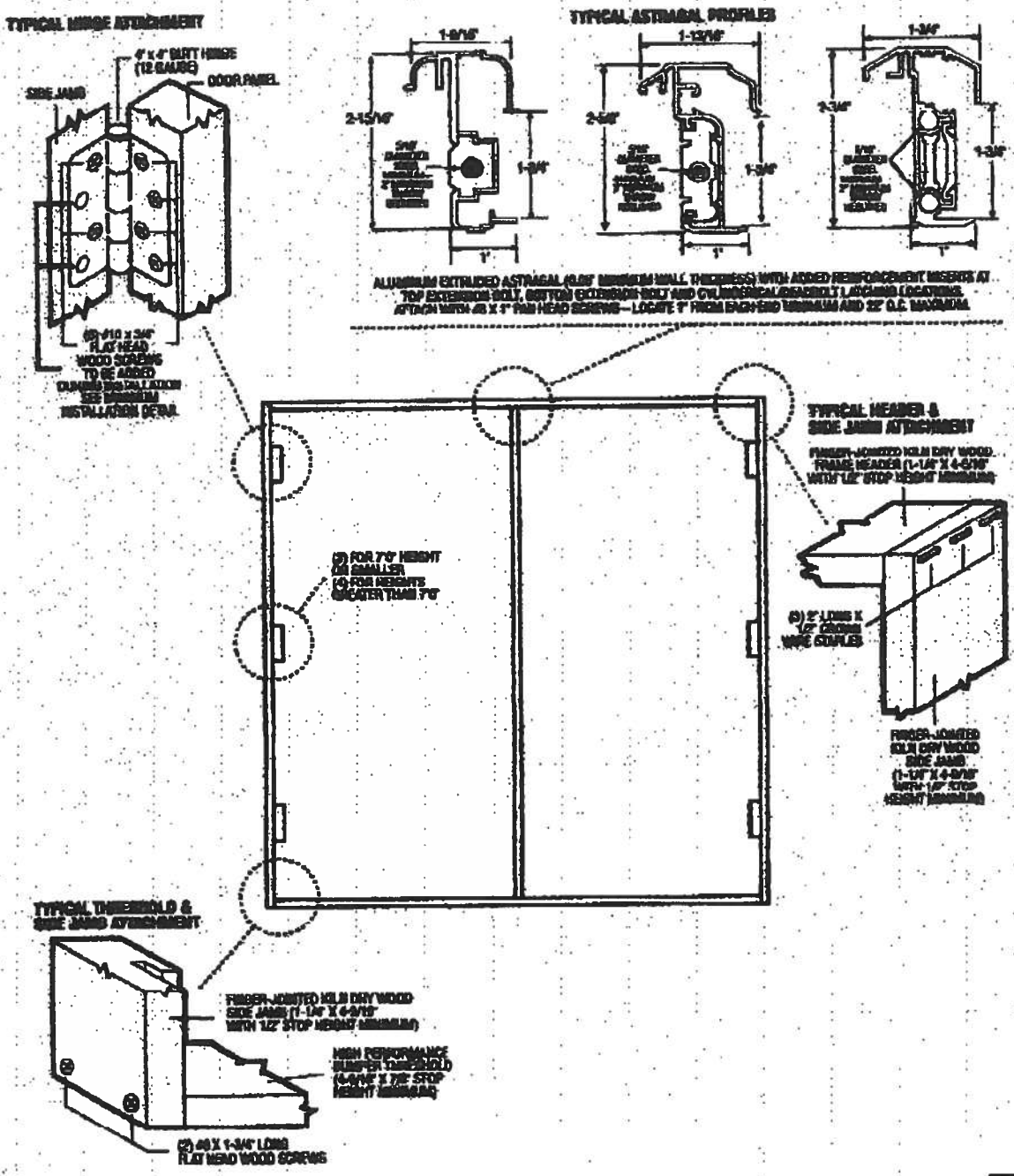
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Unit

OUTSWING UNITS WITH DOUBLE DOOR



March 29, 2002

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

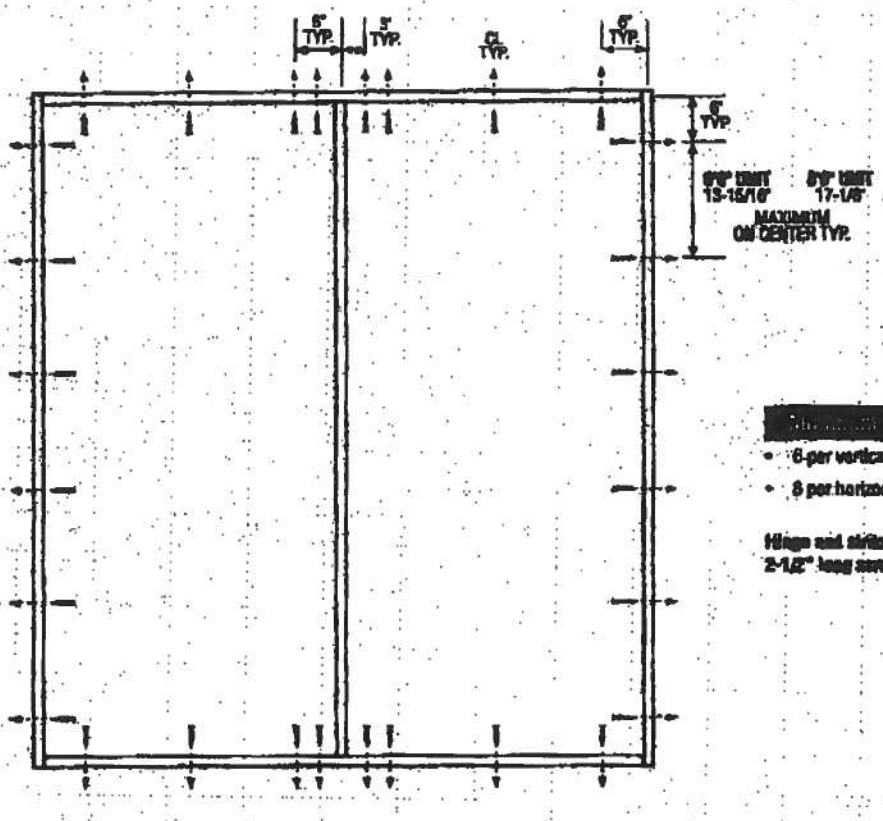
Exclusively from Masonite®

Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

- 6 per vertical framing member
- 8 per horizontal framing member

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

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

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

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Exclusively from Masonite
Masonite International Corporation

TAMKO
ROOFING PRODUCTS

FEB - 4 RECD

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

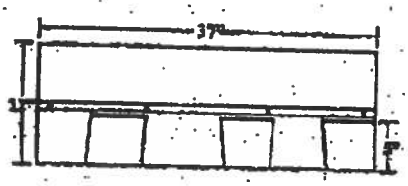
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

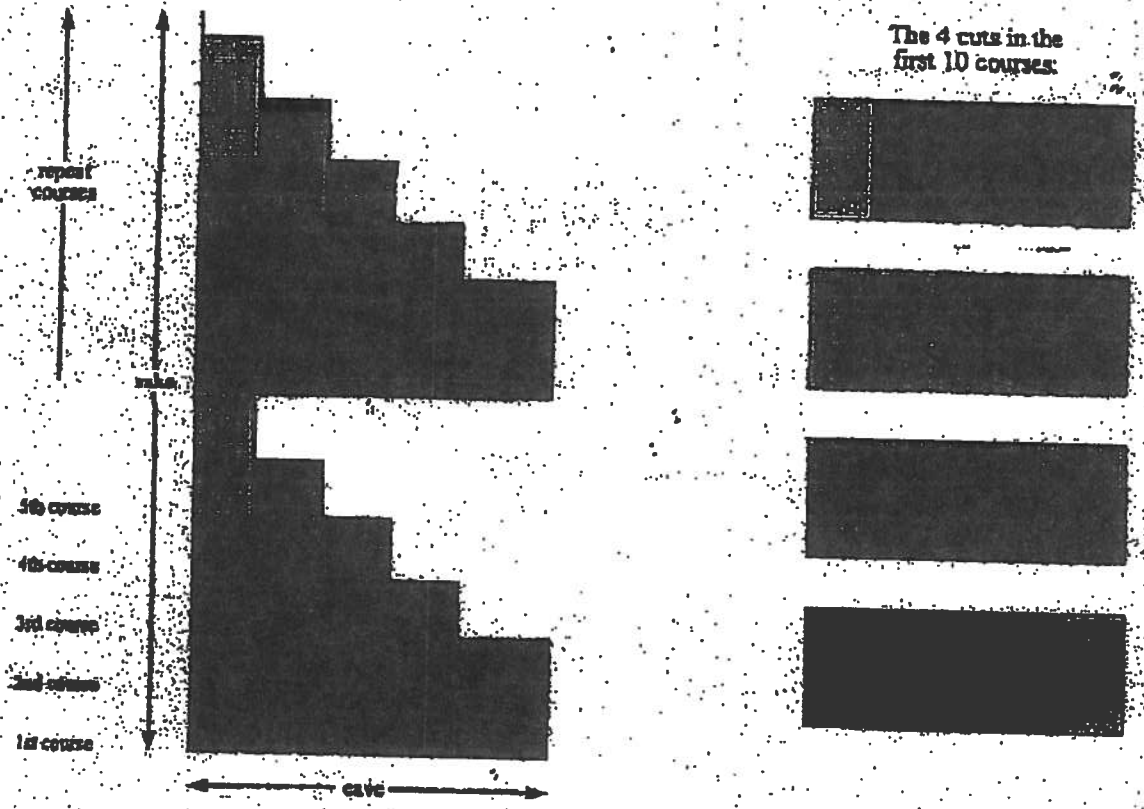
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"





In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

TAMKO ROOFING PRODUCTS

Application Instructions for

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

FIBER-TEK ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.
IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

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

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

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be of minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be of 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

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

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

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by extended cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).

2) Hanaard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 12-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Hanaard fastening pattern illustrated below.)

NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

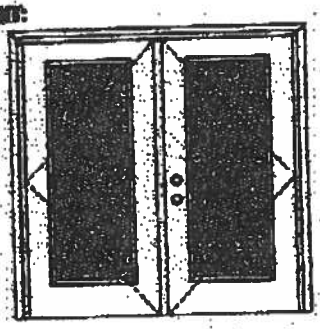
(Continued)

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door

Design Pressure
+40.5/-40.5

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

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

MINIMUM ASSEMBLY DETAIL:
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:

1/2 GLASS:

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

Johnson Entry Systems

March 20, 2006

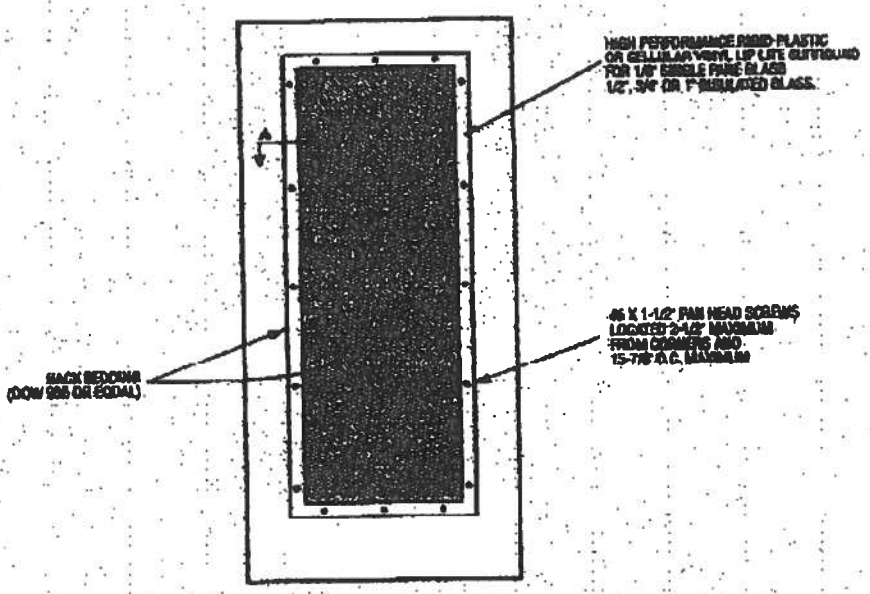
FEMDOR Premium Quality Steel

Masonite

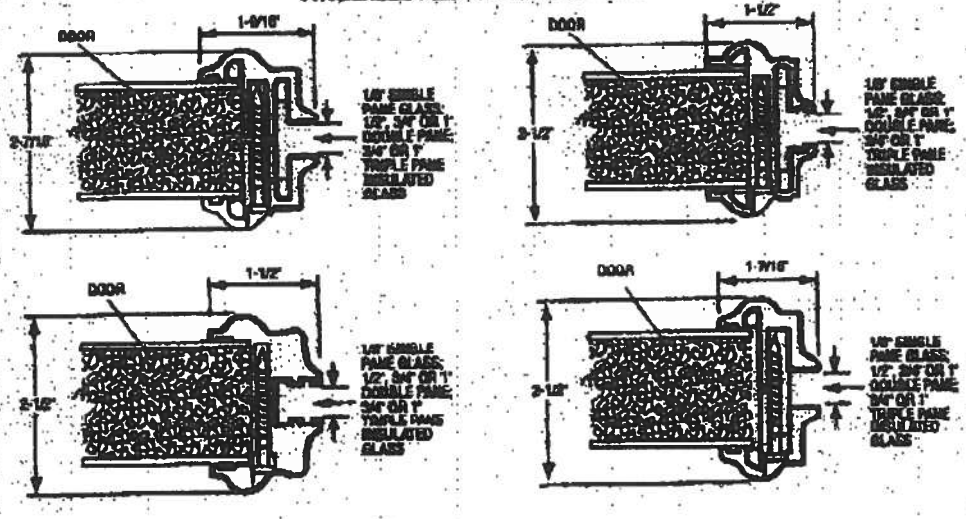
Exclusively from Masonite International Corporation

MAD-VL MA0841-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002
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Exclusively from Masonite®
Masonite International Corporation

Malm Fireplaces, Inc.

Imperial Carousel

Clearview Glass

ASSEMBLY AND INSTALLATION INSTRUCTIONS

Listed by Warnock Hersey
Tested to U/L Standard 737

SAFETY NOTICE

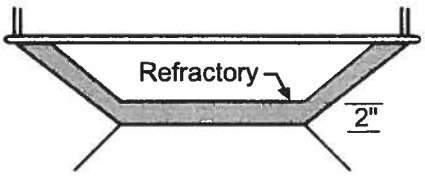
If this fireplace is not properly installed, a house fire may result. To reduce the risk of fire, follow the installation instructions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

This stove must be connected to (1) a chimney complying with the requirements for Type HT chimneys in the Standard for Chimneys, Factory-Built, Residential Type and Building Heating Appliance, UL 103, or (2) a code-approved masonry chimney with a flue liner.

Please read this entire manual before you install and use your new fireplace. Failure to follow instructions may result in property damage, bodily injury, or even death.

DO NOT INSTALL THIS UNIT IN A MOBILE HOME.

1. Carefully remove all components from the shipping cartons and inspect for damage. If any damage is noted contact the shipping company or your dealer immediately. DO NOT INSTALL THIS UNIT IF DAMAGED OR MISSING PARTS.
2. Protect the flooring near the intended place of installation with an old rug, blanket, or cardboard. Place the firebox on this material.
3. Mix and install the Malmcrete hearth refractory as follows:
   a. Obtain a sturdy water-tight mixing container such as a wheelbarrow or large wash tub, a bucket or can for transporting the mixture, a cement trowel, and a source for clean mixing water. It is suggested that the Malmcrete be mixed outside to avoid spillage or splatters in the dwelling.
   b. Pour the dry Malmcrete mixture into the mixing container.
   c. Use 1 quart water for each bag.
   d. Add 1/2 to 3/4 of the water to the dry mix and mix thourghly. Add additional water in small increments, mixing throughly between additions. Do not add more water than is necessary to get a somewhat dry mixture; to much water in the mix may cause the refractory to crack excessively, and will reduce the strength of the refractory. To test for proper water content, cut vertically into the mixture with the trowel, push the trowel sideways to open a 3 inch deep by 2 inch wide cut in the mixture, then slide the trowel back up out of the cut. The cut should stay open with very little "slumping" back into the cut. Next, run the trowel over the surface of the mixture with the blade at a slight angle to the surface of the mixture, like spreading butter. The mixture should become relatively smooth with few voids after 6 or 7 passes of the trowel using moderate pressure. Water should not float to the top of the mixture.
   e. Transfer the mixture to the hearth (floor) area inside the firebox, spreading the mixture out as it is added. Use the trowel to spread the mix into the firebox area. Continue to add refractory until there is a minimum of 2 inches thick over the entire hearth area. To measure the depth of the mix, place a piece of tape 2 inches from the pointed end of a long nail. Insert the nail vertically through the mix every 6 inches (front to back and side to side) across the hearth; the mix should come to a uniform height up the nail, at or slightly above the tape. Trowel in the nail holes when completed.



   Shape the refractory to the contour of the Imperial hearth. If the refractory will not stay in place wait untill the refractory has set slightly. Check the refractory every few minutes to see if it has set enough to stay in place.
   f. Allow the mix to cure at least 48 hours. Additional curing time is necessary in cool temperatures. The longer Malmcrete is allowed to cure before the first fire is lit, the stronger and more durable it will become.
   g. Make the first 3 or 4 fires very small and of short duration to allow the refractory to adjust to the high temperature of a fire.

Glass Installation

Wear eye protection during the assembly of this unit. Check all glass and parts for damage. Replace any damaged parts prior to continuing the installation. Do not assemble this unit with any damaged parts. If you should happen to break a glass panel, it must only be replaced with ceramic glass.

1. The door panel has had the latch assembly and hinges installed at the factory. Remove the hinges leaving the glued on plate in position.

2. Place the lower hinge in the hole in the firebowl, with the washer under it.

3. Insert the upper hinge into the hole at the top of the door opening. Holding the upper hinge in place, slide the glass door panel into the hinges.

4. Hold the door panel in the closed position to allow access to the hinge screws.

5. Maintaining a 1/8" clearance to the left door post, tighten the screws in the hinges snugly. **DO NOT OVER TIGHTEN**. Re-adjust as necessary for proper alignment.

6. Note that two panels have gasket material on one edge. These pieces go on either side of the door. Make certain that these two pieces are placed completly into the channel on either side of the door. Failure to do this will make the rest of the glass installation impossible.

7. First loosen the glass retainers. This is a metal strip secured by one screw in the middle. Start with the left door panel. The gasket must be on the right side of the panel.

8. Slide the gasketed edge completely into the channel on the side of the door. The left edge of the glass should now fit into the button at the bottom of the glass.

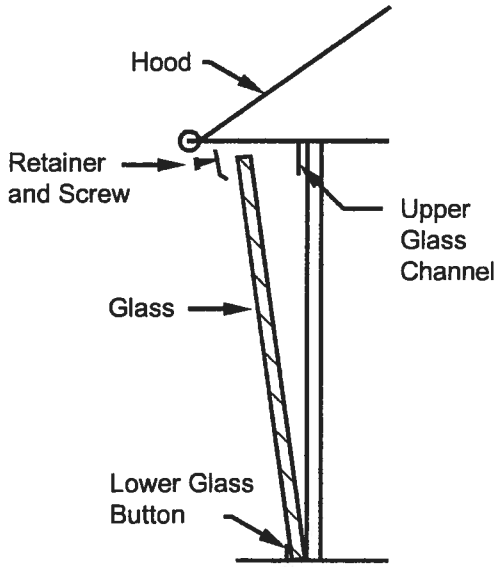
9. Lower the glass into the lower glass button channel.

10. Repeat steps 8 and 9 with the right door panel. The gasket will be on the left side of the panel with the not polished edge at the top.

11. The remaining panels can now be installed. The edge that is not polished is placed at the top. As each panel is installed replace the glass retainer in place but do not tighten.

12. After all the glass panels are installed center the panels to reduce any gaps that may be between the glass panels.

13. Tighten the glass retainers.

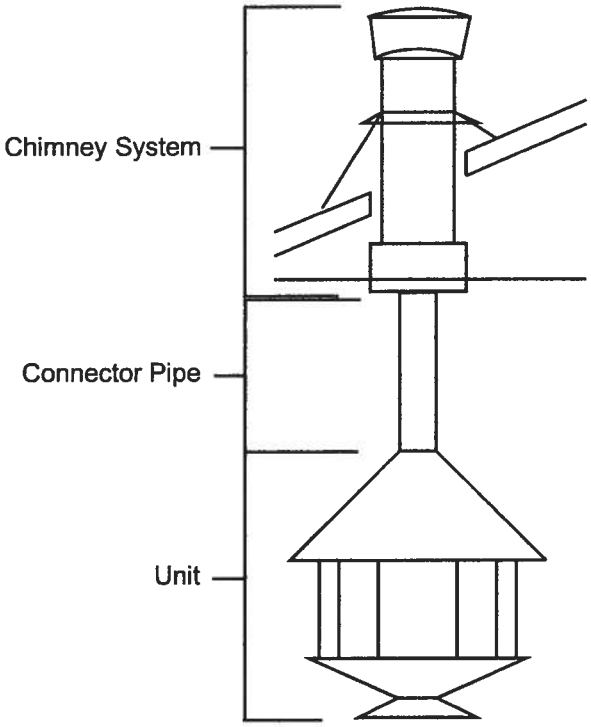


Clearance to Combustibles

The Imperial requires a clearance to combustible walls of 42" measured from the back of the unit. For locating the center of the chimney the measurement is 63" from the backwall and 63" to the sidewall. See figure 1, page 2. For corner installation the center of the chimney is 63". See figure 2, page 2.

Clearance to Non-combustibles

The Imperial clearance to a combustible wall may be reduced with proper wall protection. Accepted methods for wall protection would allow reduction of the wall clearances. For appearance if desired a non-combustible wall covering can placed on the wall. The covering should consist of a listed wall protection board installed to the manufacturer's specifications. Approved protection boards at the time of this publication are Wonderboard, Dura Rock and Homosote. A non-combustible material can then be placed over the wall protection board. With most of the protection boards the clearance can be reducedby 2/3 from the original combustible wall. Be certain to check with your local building officials and or fire inspector for accepted methods in your area.



SIDEWALL AND BACKWALL INSTALLATION

Unit to Sidewall	42"
Unit to Backwall	42"
Connector to Sidewall	58"
Center of Connector to Sidewall	63"
Connector to Backwall	58"
Center of connector to Backwall	63"

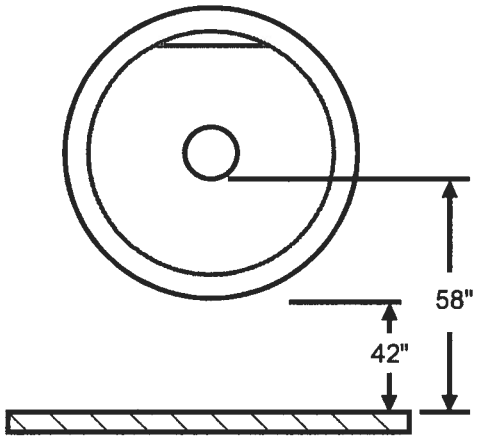


Figure 1.

CORNER INSTALLATION

Unit to Adjacent Walll	42"
Connector to Adjacent Wall	58"
Center of Connector to Adjacent Wall	63"
Minimum Hearth Size	48" x 54"
Or a Diameter of	54"

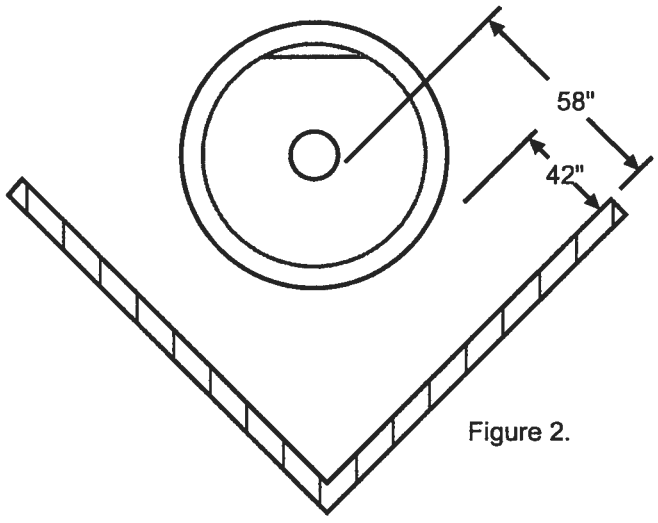


Figure 2.

Hearth dimensions shown are minimum requirements. It may be desired to exceede these minimum dimensions for a more decorative installation.

Hearth Requirements

A floor protector is required to protect the floor in front of the fireplace opening from sparks. The floor protector must be a minimum of 2 1/2 inch thick common solid brick over 26 gauge sheet metal or equivalent.

The floor protector must extend a minimum of 16 inches in front of the fireplace opening and 8 inches to either side of the fireplace and 8 inches behind the back of the unit. Refer to Figure #3.

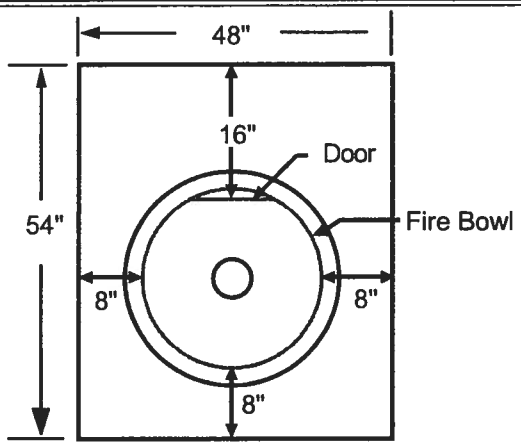
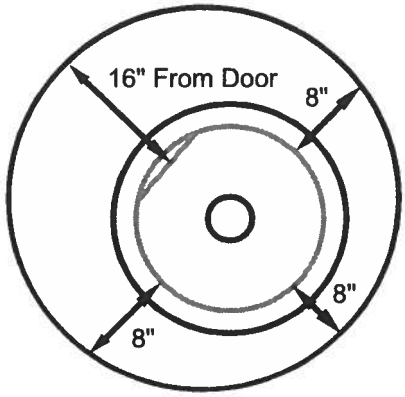


Figure 3

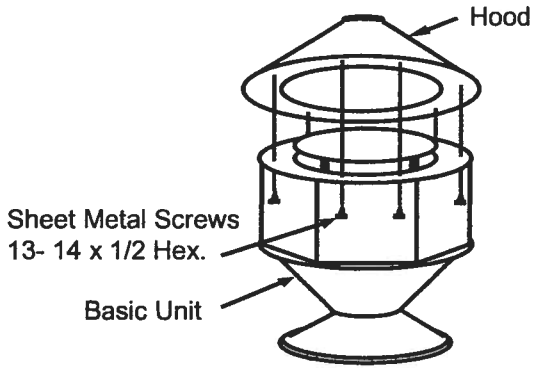


54" Diameter Circle Hearth.
8" Minimum is measured from the fire-box

Hood Assembly

Position the hood on the basic unit. Secure hood to basic unit using the 13 sheet metal screws provided.

IMPORTANT: Failure to install these screws will result in permanet damage to the unit and void the warranty.



All Screws Must Be Installed

DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

This stove must be connected to (1) a chimney complying with the requirements for Type HT chimneys in the Standard for Chimneys, Factory-Built, Residential Type and Building Heating Appliance, UL 103, or (2) a code-approved masonry chimney with a flue liner.

Chimney Connector Installation

It is required to install a 8 inch all-fuel class "A" chimney system prior to the chimney connector installation. The connector pipe included with the Imperial is 1 - 8" x 30" starter pipe, and 1 - 8" x 30" slip connector. The slip connector is identified by 3 holes at the top of the pipe. The slip connector has one flair at the top with the 3 holes. The bottom is smooth. The starter pipe section has flairings at both ends. The male end is always at the bottom.

Simpson Dura-Vent Chimney System

It is required to use a Dura-Vent Universal Connector part number 8874 to install the chimney connector.

1. The universal connector is installed into the support box. The 8" x 30" slip pipe is then connected to the universal connector.
2. The 8" x 30" starter pipe section is then slid over the slip connector pipe. Slide the 30 inch pipe over the slip pipe only far enough as necessary to facilitate installation of the 8" x 30" starter pipe in to the unit.
3. There must be a minimum of 2 inches of overlap between the 8" x 30" and 8" x 30" slip connector pipe.

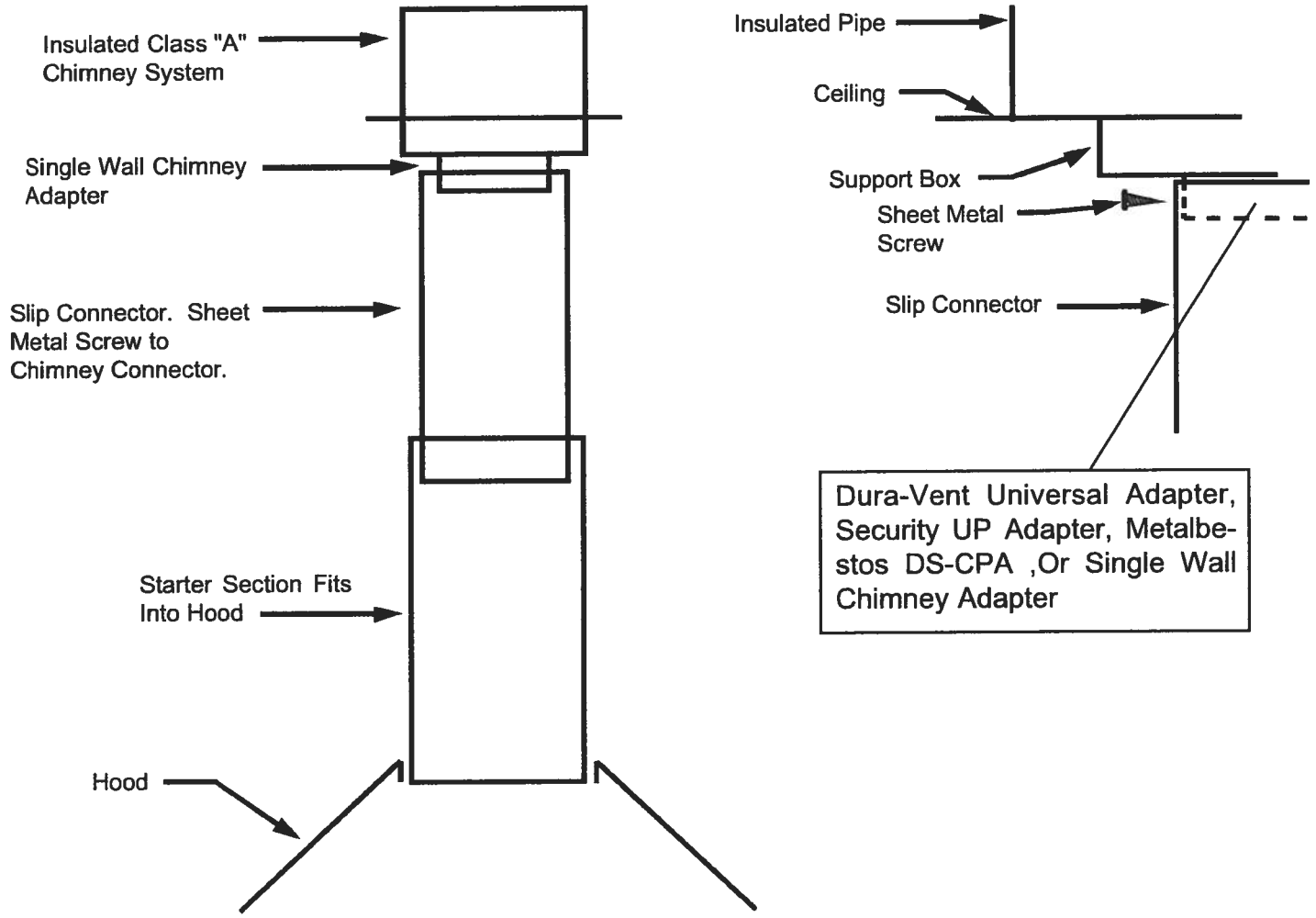
Metalbestos or Security

When using Metalbestos or Security chimney systems it is required to use the Metalbestos DS-CPA Single Wall Conector pipe. Security users must use the UP adapter.

1. Installation of the Metalbestos DS-CPA or the Security UP adapter must be done first.
2. Attach the 8" x 30" slip connector to the DS-CPA or UP adapter with 3 - #8 x 3/8 inch screws.
3. The 8" x 30" starter pipe section is then slid into the slip connector pipe. Slide the 30 inch pipe into the slip pipe only far enough as necessary to facilitate installation of the 8" x 30" starter pipe into the unit.
4. Slide the 8" x 30" pipe down onto the Imperial.
5. There must be a minimum of 2 inches of overlap between the 8" x 30" and 8" x 30" slip connector pipe.

Other Chimney Systems

There are many other manufacturer's of chimney systems. It is beyond the scope of this publication to cover installation with all of the different systems available. Most systems have a method of connection to the Imperial's connector pipe. Confirm installation procedures with your dealer or the manufacturer of the chimney system you have purchased.



The above illustration represents the installation procedure for dripless pipe installation. This installation method of installing the connector pipe with the male end down allows for any moisture to remain on the inside of the connector pipe.

IMPORTANT: THE SINGLE WALL CONNECTOR PIPE MUST NEVER PASS THROUGH A COMBUSTIBLE CEILING OR WALL.

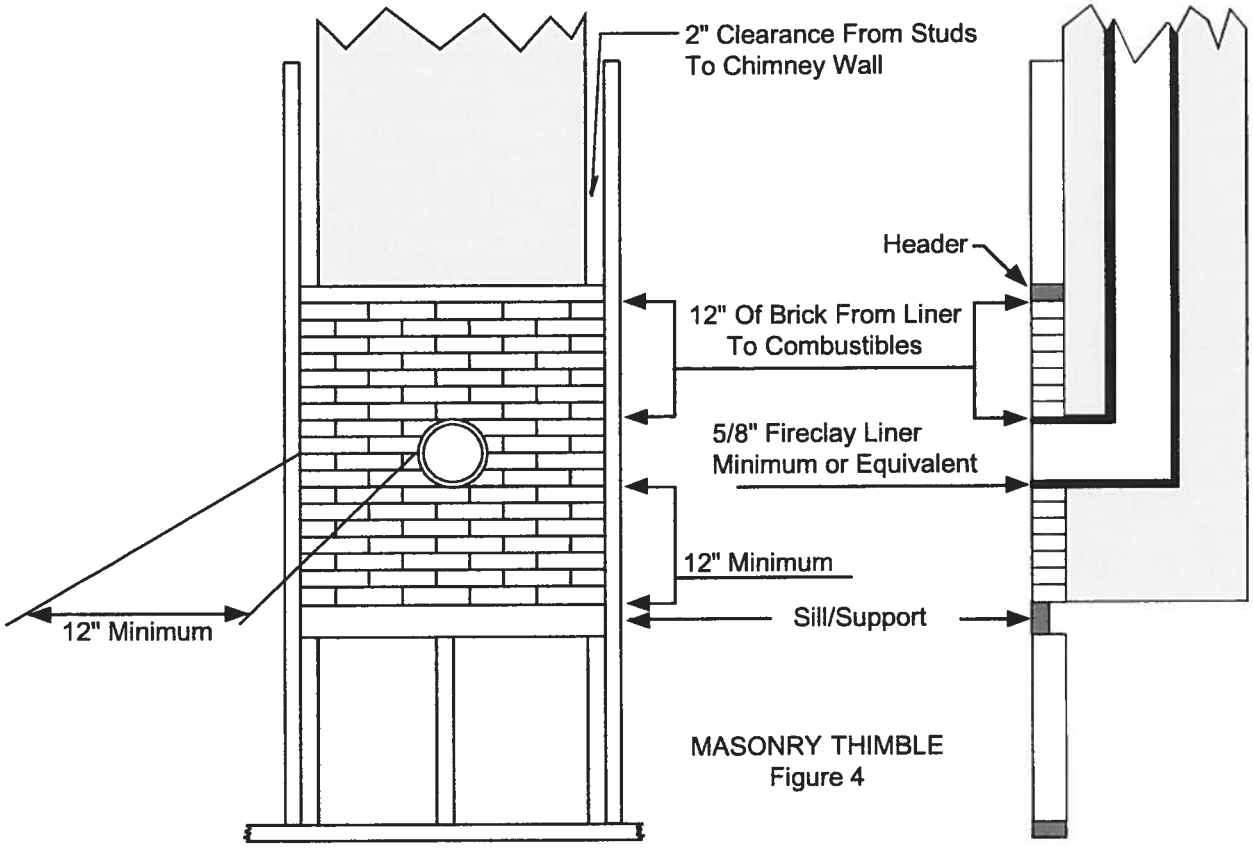
At first glance you may become concerned that smoke will escape the pipe and enter the room. This is not how the system will work. The vacum in the chimney system will always pull air into the chimney. If you experience a downdraft with your installation it indicates that additional chimney height or a specialty draft cap be added to your chimney system. Contact your dealer for further information regarding downdrafts.

Masonry Chimney

If using a masonry chimney, it must meet the minimum standards of the National Fire Protection Association (NFPA) Standard 211. The chimney must have at least a 5/8" fire clay liner or a listed chimney liner system. The chimney must be inspected for cracks, loose mortar, or any other signs of deterioration. It is best to have the chimney inspected by a professional. Make certain the chimney is cleaned prior to installation of this fireplace.

The size of the chimney should be between 36 and 96 square inches. Larger chimneys should be relined to meet these requirements. Incorrect sizing of the chimney may affect the draft and result in poor fireplace performance. Do not install more than one appliance to any chimney.

There are different accepted methods of connecting the fireplace to a masonry chimney through a combustible wall. This type of installation requires the use of a thimble to protect the surrounding combustible materials. Check with your local building officials or consult NFPA211.



MASONRY THIMBLE
Figure 4

OPERATING INSTRUCTIONS

Failure to properly use and maintain this appliance may void the manufacturer's warranty and could result in a house fire.

WARNING: This free standing fireplace is a heat producing appliance and may cause severe burns if touched. Keep children away. Do Not over fire. If any portion of the unit or flue starts to glow you are over firing. This is a free standing fireplace, do not use for any other purpose.

1. The first few fires should be small in order to properly cure the painted surfaces and refractory. During the first few fires, some smoking may occur as the paint cures. You may wish to open a window to minimize discomfort during this curing period.
2. **DO NOT BURN TRASH OR GARBAGE IN THIS UNIT.** When building a fire, be sure the damper is fully opened and sufficient combustion air is available. Place dry kindling on dry wadded paper then ignite with a match. Add progressively larger pieces of wood until the fire is well established. Leave the damper fully open. Close only after the fire has burned out completely. Add additional firewood as needed to maintain the fire.
3. The fire screen must be in place during operations. THIS FIREPLACE STOVE HAS NOT BEEN TESTED FOR USE WITH DOORS. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT INSTALL DOORS.
4. **DO NOT ELEVATE THE FIRE.** A grate should not be used.
5. **CAUTION:** Heating the air in a closed building decreases the relative humidity of the air, which will dry wood and other combustible materials. This drying lowers the ignition temperature of these materials thus increasing fire hazards. To reduce the risk of fire, some provision should be made for replenishing moisture to the air whenever a structure is being heated for extended periods.
6. Be sure to provide combustion air into the dwelling when using this or any other wood burning appliance. A partially open window or outside air register in the vicinity of the unit would be acceptable. Combustion air must be supplied in conformance with the Uniform Mechanical Code.
7. **CAUTION: NEVER USE GASOLINE, GASOLINE TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR "FRESHEN UP" A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IN USE.**
8. **DISPOSAL OF ASHES:** Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, away from all combustible materials, pending final disposal. The ashes should be retained in the closed container until all cinders have thoroughly cooled.
9. **READ MAINTENANCE INSTRUCTIONS.**

IN CASE OF A CHIMNEY FIRE

A safe and correct installation and extra care will help prevent a fire, but accept the idea that there could be a fire. Be prepared to handle it. Make certain everyone in the house is familiar with the warning signs of a chimney fire:

1. Call the Fire Department immediately, before doing anything else.
2. Discharge a dry chemical extinguisher into the fireplace opening. If an extinguisher is not available, toss baking soda into the opening. Do not pour water on the fire.
3. Close all air intakes to the firebox and leave closed until the fireplace, stove or stove pipe is completely cooled.
4. Watch for sparks on the roof. If necessary, hose down the roof around the chimney.
   DO NOT pour water down or on the chimney.
5. After the fire is completely out, inspect the chimney for any signs of damage. If you are not certain, have your local Fire Department inspect the chimney for you. Never use a flammable liquid to kindle or rekindle a fire.
6. Never use coal in a fireplace. Coal should be used only in stoves especially designed to burn coal. If the toxic gases produced enter the room they can be fatal.

MAINTENANCE INSTRUCTIONS

Failure to properly use and maintain this appliance may void the manufacturer's warranty and could result in a house fire.

1. Always keep the area around the unit clean and clear of furniture and other objects. Keep all furniture a minimum of 48 inches away from the heater.
2. Periodically the entire unit, chimney connector, and chimney system must be inspected for leaks, broken or malfunctioning parts, and loose connections. If any problems are noted, contact your dealer for repair services. Do not operate the unit until repairs have been completed.

CREOSOTE FORMATION AND THE NEED FOR REMOVAL.

When wood is burned slowly, it produces tar and other vapors, which combine with moisture to form creosote. Creosote vapors condense in the relatively cool chimney flue, and creosote residue accumulates on the flue lining. When ignited, this creosote can make an extremely hot fire. The chimney connector and chimney should be inspected at least twice monthly during the heating season to determine if creosote buildup has occurred. If creosote has accumulated, it should be removed to reduce the chance of a chimney fire.

HOW TO REMOVE CREOSOTE.

1. Clean the chimney with brushes and equipment available at local fireplace shops.
2. Chemical chimney cleaners are used by adding them to the fire, but they are not intended for use in chimneys already containing heavy soot deposits. Rather, they are intended to inhibit soot buildup. They can be used in metal chimneys provided the manufacturers instructions are strictly followed. Generally these commercial cleaners are quite effective.
3. Call a professional chimney sweep in your area. They possess the experience and tools necessary to make the task easy.

Maintenance other than the items specifically mentioned herein are to be performed by a qualified serviceman only. Contact your dealer. For further information on using your heater safely, obtain a copy of the National Fire Protection Association publication "Using Coal and Wood Stoves Safely," NFPA HS-10-1978. The address of the NFPA is Batterymarch Park, Quincy, MA 02269. File these instructions for future reference.

NEVER STORE OR ALLOW PAPERS, KINDLING, FIREWOOD OR ANY OTHER COMBUSTIBLES WITHIN 48 INCHES OF UNIT.

Malm Fireplaces, Inc.

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Santa Rosa, California 95404
(707) 523-7755
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info@malmfireplaces.com

June 1992

TAMKO ROOFING PRODUCTS

• Glass-Seal • Glass-Seal AR • Elite Glass-Seal® • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Measured Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and relocate into new location. Remove all drip edge metal and replace with new.

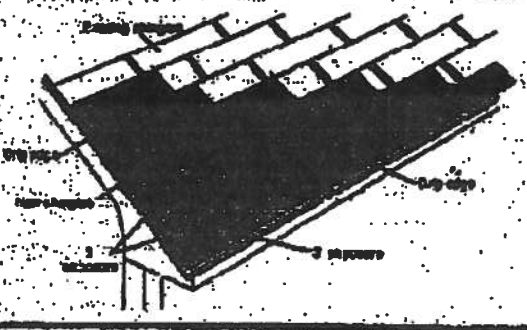
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing application described below is the preferred method for re-roofing over existing two strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles in to 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingle so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter strip so that the self-sealing adhesive facing the ridge line is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the all-nail application method you choose to use, remove the appropriate length from the



rake-end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used in the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

6. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Roll-Flash® or a minimum 50 lbs roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

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

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

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

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses to the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle-fastening methods.

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

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and into a minimum of 2 in. back from the centerline of the valley.

Note: For a neater installation, snap a chalkline onto the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

- Caution: Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

Residential System Sizing Calculation

Summary

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

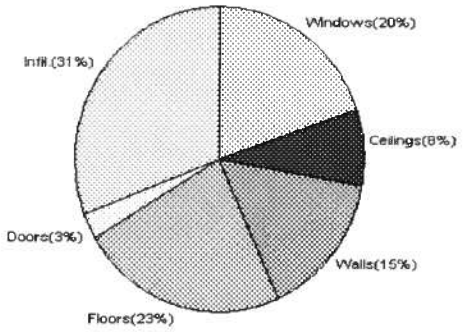
5/5/2006

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	**47909**	**Btuh**	**Total cooling load calculation**	**32556**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.9	56000	Sensible (SHR = 0.75)	171.0	42000
Heat Pump + Auxiliary(0.0kW)	116.9	56000	Latent	175.1	14000
			Total (Electric Heat Pump)	172.0	56000

WINTER CALCULATIONS

Winter Heating Load (for 3281 sqft)

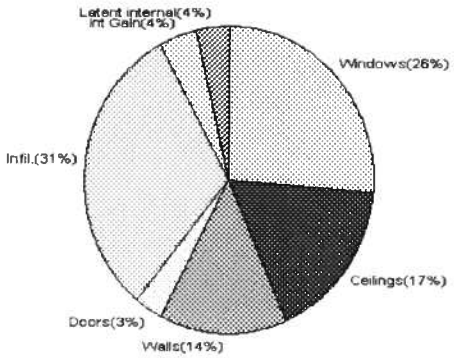
Load component			Load	
Window total	297	sqft	9544	Btuh
Wall total	2225	sqft	7307	Btuh
Door total	100	sqft	1295	Btuh
Ceiling total	3329	sqft	3923	Btuh
Floor total	257	sqft	11221	Btuh
Infiltration	361	cfm	14619	Btuh
Duct loss			0	Btuh
Subtotal			**47909**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**47909**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3281 sqft)

Load component			Load	
Window total	297	sqft	8587	Btuh
Wall total	2225	sqft	4641	Btuh
Door total	100	sqft	980	Btuh
Ceiling total	3329	sqft	5513	Btuh
Floor total			0	Btuh
Infiltration	186	cfm	3460	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**24561**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6795	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7995**	**Btuh**
TOTAL HEAT GAIN			**32556**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 5-5-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

5/5/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	80.0	32.2	2575 Btuh
2	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	S	8.0	32.2	258 Btuh
4	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
5	2, Clear, Metal, 0.87	S	40.5	32.2	1304 Btuh
6	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	W	10.0	32.2	322 Btuh
10	2, Clear, Metal, 0.87	W	9.0	32.2	290 Btuh
11	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
13	2, Clear, Metal, 0.87	W	18.0	32.2	579 Btuh
	Window Total		297(sqft)		9544 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2225	3.3	7307 Btuh
	Wall Total		2225		7307 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3329	1.2	3923 Btuh
	Ceiling Total		3329		3923Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	257.0 ft(p)	43.7	11221 Btuh
	Floor Total		257		11221 Btuh
			Zone Envelope Subtotal:		33290 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	32810	360.9	14619 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**47909 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
602175Burks, Lyn & Lynnette

, FL

Class 3 Rating
Registration No. 0
Climate: North

5/5/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	47909 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	47909 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

5/5/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	80.0	32.2	2575 Btuh
2	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	S	8.0	32.2	258 Btuh
4	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
5	2, Clear, Metal, 0.87	S	40.5	32.2	1304 Btuh
6	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	W	10.0	32.2	322 Btuh
10	2, Clear, Metal, 0.87	W	9.0	32.2	290 Btuh
11	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
13	2, Clear, Metal, 0.87	W	18.0	32.2	579 Btuh
	Window Total		297(sqft)		9544 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2225	3.3	7307 Btuh
	Wall Total		2225		7307 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3329	1.2	3923 Btuh
	Ceiling Total		3329		3923Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	257.0 ft(p)	43.7	11221 Btuh
	Floor Total		257		11221 Btuh
			Zone Envelope Subtotal:		33290 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	32810	360.9	14619 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**47909 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

5/5/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	47909 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	47909 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/5/2006

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	N	16ft.	9.5ft.	80.0	0.0	80.0	29	29	2317 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft.	0ft.	15.0	15.0	0.0	29	80	434 Btuh
3	2, Clear, 0.87, None,N,N	S	1.5ft.	6ft.	8.0	8.0	0.0	29	34	232 Btuh
4	2, Clear, 0.87, None,N,N	S	1.5ft.	5ft.	6.0	6.0	0.0	29	34	174 Btuh
5	2, Clear, 0.87, None,N,N	S	8ft.	9.5ft.	40.5	40.5	0.0	29	34	1173 Btuh
6	2, Clear, 0.87, None,N,N	S	8ft.	9.5ft.	20.0	20.0	0.0	29	34	579 Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	30.0	30.0	0.0	29	34	869 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	15.0	15.0	0.0	29	34	434 Btuh
9	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	10.0	10.0	0.0	29	80	290 Btuh
10	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	9.0	9.0	0.0	29	80	261 Btuh
11	2, Clear, 0.87, None,N,N	N	1.5ft.	0ft.	15.0	0.0	15.0	29	29	434 Btuh
12	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	30.0	30.0	0.0	29	80	869 Btuh
13	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	18.0	18.0	0.0	29	80	521 Btuh
	Window Total				297 (sqft)					8587 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2225.0	2.1	4641 Btuh
	Wall Total		2225 (sqft)		4641 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		40.0	9.8	392 Btuh
2	Insulated - Exterior		60.0	9.8	588 Btuh
	Door Total		100 (sqft)		980 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3329.0	1.7	5513 Btuh
	Ceiling Total		3329 (sqft)		5513 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	257 (ft(p))	0.0	0 Btuh
	Floor Total		257.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		19721 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.34	32810		185.9	3460 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	0	1380 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**24561 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

5/5/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**24561 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**24561 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**24561 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6795 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	**7995 Btuh**
	TOTAL GAIN	**32556 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

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/5/2006

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	N	16ft.	9.5ft.	80.0	0.0	80.0	29	29	2317 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft.	0ft.	15.0	15.0	0.0	29	80	434 Btuh
3	2, Clear, 0.87, None,N,N	S	1.5ft.	6ft.	8.0	8.0	0.0	29	34	232 Btuh
4	2, Clear, 0.87, None,N,N	S	1.5ft.	5ft.	6.0	6.0	0.0	29	34	174 Btuh
5	2, Clear, 0.87, None,N,N	S	8ft.	9.5ft.	40.5	40.5	0.0	29	34	1173 Btuh
6	2, Clear, 0.87, None,N,N	S	8ft.	9.5ft.	20.0	20.0	0.0	29	34	579 Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	30.0	30.0	0.0	29	34	869 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	15.0	15.0	0.0	29	34	434 Btuh
9	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	10.0	10.0	0.0	29	80	290 Btuh
10	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	9.0	9.0	0.0	29	80	261 Btuh
11	2, Clear, 0.87, None,N,N	N	1.5ft.	0ft.	15.0	0.0	15.0	29	29	434 Btuh
12	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	30.0	30.0	0.0	29	80	869 Btuh
13	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	18.0	18.0	0.0	29	80	521 Btuh
	Window Total				297 (sqft)					8587 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2225.0	2.1	4641 Btuh
	Wall Total		2225 (sqft)		4641 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	40.0	9.8	392 Btuh
2	Insulated - Exterior	60.0	9.8	588 Btuh
	Door Total	100 (sqft)		980 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3329.0	1.7	5513 Btuh
	Ceiling Total		3329 (sqft)		5513 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	257 (ft(p))	0.0	0 Btuh
	Floor Total		257.0 (sqft)		0 Btuh

			Load
	Zone Envelope Subtotal:		19721 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	32810	185.9	3460 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	0	1380 Btuh

Duct load			Load
	Unsealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh

		Load
	Sensible Zone Load	**24561 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

, FL

5/5/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**24561 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**24561 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**24561 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6795 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	**7995 Btuh**
	TOTAL GAIN	**32556 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

Project Title:
602175Burks, Lyn & Lynnette

Class 3 Rating
Registration No. 0
Climate: North

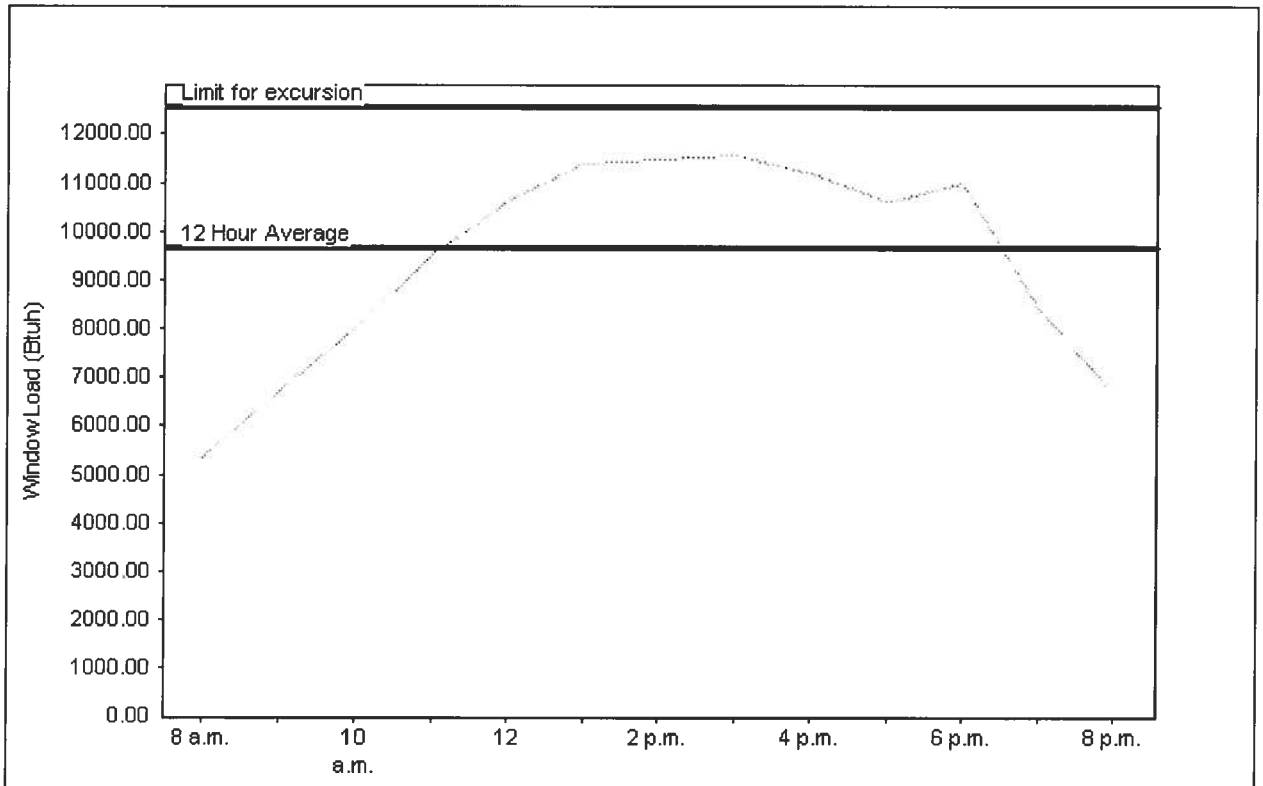
, FL

5/5/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9650 Btuh
Summer setpoint	75 F	Peak window load for July	11564 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	12545 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 5-5-06

Malm Fireplaces, Inc.

Imperial Carousel

Clearview Glass

ASSEMBLY AND INSTALLATION INSTRUCTIONS

Listed by Warnock Hersey
Tested to U/L Standard 737

SAFETY NOTICE

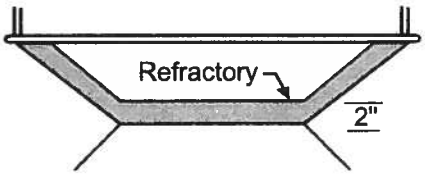
If this fireplace is not properly installed, a house fire may result. To reduce the risk of fire, follow the installation instructions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

This stove must be connected to (1) a chimney complying with the requirements for Type HT chimneys in the Standard for Chimneys, Factory-Built, Residential Type and Building Heating Appliance, UL 103, or (2) a code-approved masonry chimney with a flue liner.

Please read this entire manual before you install and use your new fireplace. Failure to follow instructions may result in property damage, bodily injury, or even death.

DO NOT INSTALL THIS UNIT IN A MOBILE HOME.

1. Carefully remove all components from the shipping cartons and inspect for damage. If any damage is noted contact the shipping company or your dealer immediately. DO NOT INSTALL THIS UNIT IF DAMAGED OR MISSING PARTS.
2. Protect the flooring near the intended place of installation with an old rug, blanket, or cardboard. Place the firebox on this material.
3. Mix and install the Malmcrete hearth refractory as follows:
   a. Obtain a sturdy water-tight mixing container such as a wheelbarrow or large wash tub, a bucket or can for transporting the mixture, a cement trowel, and a source for clean mixing water. It is suggested that the Malmcrete be mixed outside to avoid spillage or splatters in the dwelling.
   b. Pour the dry Malmcrete mixture into the mixing container.
   c. Use 1 quart water for each bag.
   d. Add 1/2 to 3/4 of the water to the dry mix and mix thourghly. Add additional water in small increments, mixing throughly between additions. Do not add more water than is necessary to get a somewhat dry mixture; to much water in the mix may cause the refractory to crack excessively, and will reduce the strength of the refractory. To test for proper water content, cut vertically into the mixture with the trowel, push the trowel sideways to open a 3 inch deep by 2 inch wide cut in the mixture, then slide the trowel back up out of the cut. The cut should stay open with very little "slumping" back into the cut. Next, run the trowel over the surface of the mixture with the blade at a slight angle to the surface of the mixture, like spreading butter. The mixture should become relatively smooth with few voids after 6 or 7 passes of the trowel using moderate pressure. Water should not float to the top of the mixture.
   e. Transfer the mixture to the hearth (floor) area inside the firebox, spreading the mixture out as it is added. Use the trowel to spread the mix into the firebox area. Continue to add refractory until there is a minimum of 2 inches thick over the entire hearth area. To measure the depth of the mix, place a piece of tape 2 inches from the pointed end of a long nail. Insert the nail vertically through the mix every 6 inches (front to back and side to side) across the hearth; the mix should come to a uniform height up the nail, at or slightly above the tape. Trowel in the nail holes when completed.



   Shape the refractory to the contour of the Imperial hearth. If the refractory will not stay in place wait untill the refractory has set slightly. Check the refractory every few minutes to see if it has set enough to stay in place.
   f. Allow the mix to cure at least 48 hours. Additional curing time is necessary in cool temperatures. The longer Malmcrete is allowed to cure before the first fire is lit, the stronger and more durable it will become.
   g. Make the first 3 or 4 fires very small and of short duration to allow the refractory to adjust to the high temperature of a fire.

Glass Installation

Wear eye protection during the assembly of this unit. Check all glass and parts for damage. Replace any damaged parts prior to continuing the installation. Do not assemble this unit with any damaged parts. If you should happen to break a glass panel, it must only be replaced with ceramic glass.

1. The door panel has had the latch assembly and hinges installed at the factory. Remove the hinges leaving the glued on plate in position.

2. Place the lower hinge in the hole in the firebowl, with the washer under it.

3. Insert the upper hinge into the hole at the top of the door opening. Holding the upper hinge in place, slide the glass door panel into the hinges.

4. Hold the door panel in the closed position to allow access to the hinge screws.

5. Maintaining a 1/8" clearance to the left door post, tighten the screws in the hinges snugly. **DO NOT OVER TIGHTEN**. Re-adjust as necessary for proper alignment.

6. Note that two panels have gasket material on one edge. These pieces go on either side of the door. Make certain that these two pieces are placed completly into the channel on either side of the door. Failure to do this will make the rest of the glass installation impossible.

7. First loosen the glass retainers. This is a metal strip secured by one screw in the middle. Start with the left door panel. The gasket must be on the right side of the panel.

8. Slide the gasketed edge completely into the channel on the side of the door. The left edge of the glass should now fit into the button at the bottom of the glass.

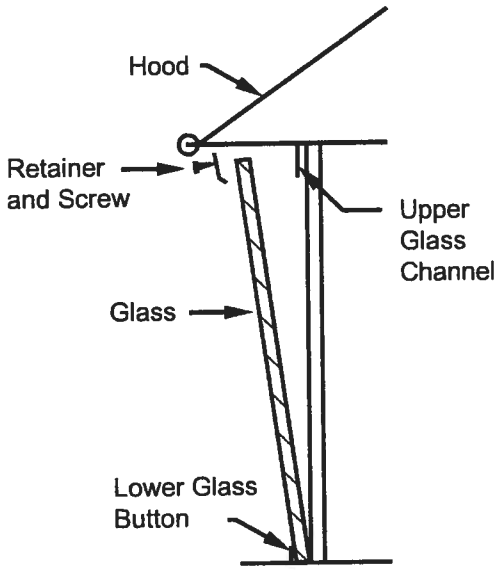
9. Lower the glass into the lower glass button channel.

10. Repeat steps 8 and 9 with the right door panel. The gasket will be on the left side of the panel with the not polished edge at the top.

11. The remaining panels can now be installed. The edge that is not polished is placed at the top. As each panel is installed replace the glass retainer in place but do not tighten.

12. After all the glass panels are installed center the panels to reduce any gaps that may be between the glass panels.

13. Tighten the glass retainers.

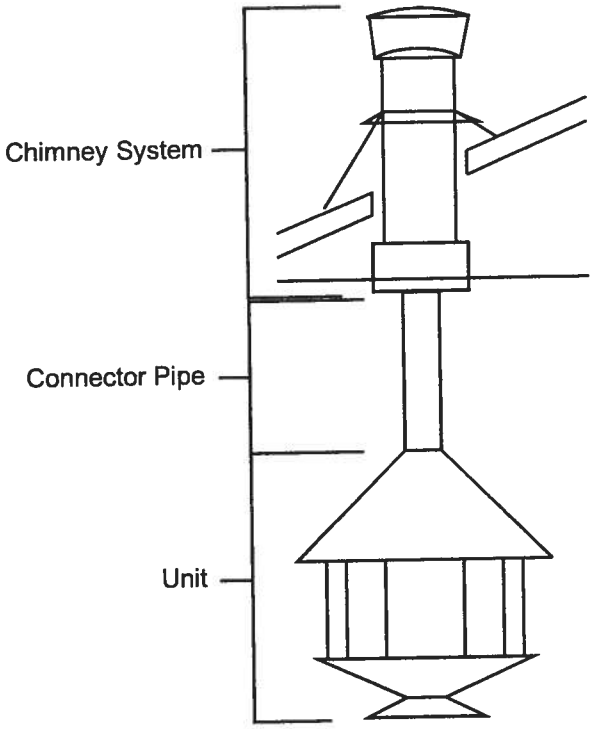


Clearance to Combustibles

The Imperial requires a clearance to combustible walls of 42" measured from the back of the unit. For locating the center of the chimney the measurement is 63" from the backwall and 63" to the sidewall. See figure 1, page 2. For corner installation the center of the chimney is 63". See figure 2, page 2.

Clearance to Non-combustibles

The Imperial clearance to a combustible wall may be reduced with proper wall protection. Accepted methods for wall protection would allow reduction of the wall clearances. For appearance if desired a non-combustible wall covering can placed on the wall. The covering should consist of a listed wall protection board installed to the manufacturer's specifications. Approved protection boards at the time of this publication are Wonderboard, Dura Rock and Homosote. A non-combustible material can then be placed over the wall protection board. With most of the protection boards the clearance can be reducedby 2/3 from the original combustible wall. Be certain to check with your local building officials and or fire inspector for accepted methods in your area.



SIDEWALL AND BACKWALL INSTALLATION

Unit to Sidewall	42"
Unit to Backwall	42"
Connector to Sidewall	58"
Center of Connector to Sidewall	63"
Connector to Backwall	58"
Center of connector to Backwall	63"

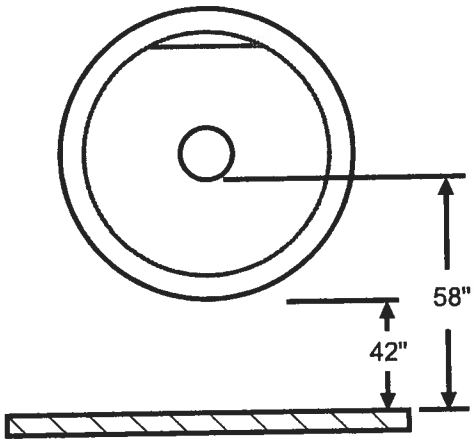


Figure 1.

CORNER INSTALLATION

Unit to Adjacent Walll	42"
Connector to Adjacent Wall	58"
Center of Connector to Adjacent Wall	63"
Minimum Hearth Size	48" x 54"
Or a Diameter of	54"

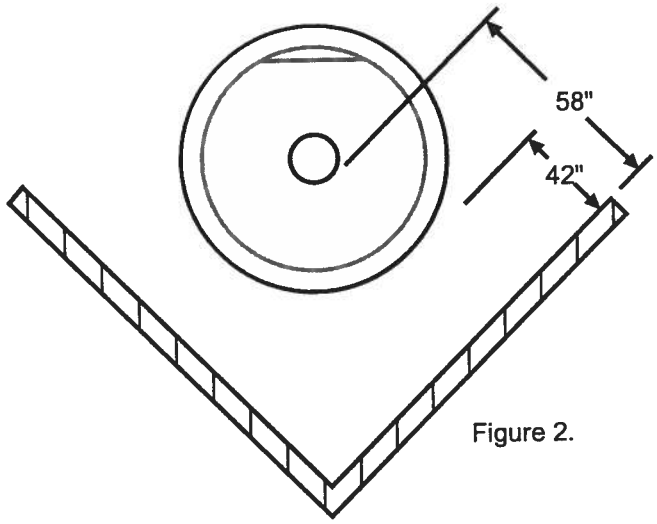


Figure 2.

Hearth dimensions shown are minimum requirements. It may be desired to exceede these minimum dimensions for a more decorative installation.

Hearth Requirements

A floor protector is required to protect the floor in front of the fireplace opening from sparks. The floor protector must be a minimum of 2 1/2 inch thick common solid brick over 26 gauge sheet metal or equivalent.

The floor protector must extend a minimum of 16 inches in front of the fireplace opening and 8 inches to either side of the fireplace and 8 inches behind the back of the unit. Refer to Figure #3.

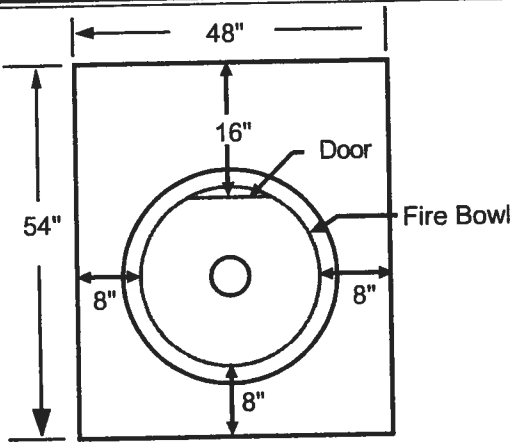
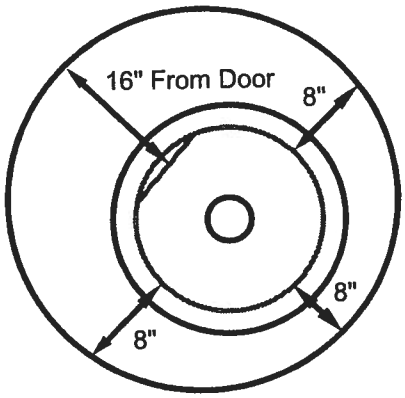


Figure 3

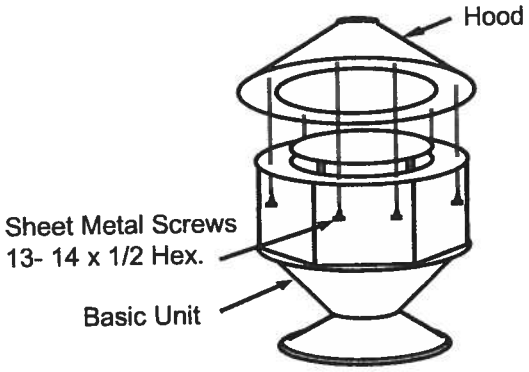


54" Diameter Circle Hearth. 8" Minimum is measured from the fire-box

Hood Assembly

Position the hood on the basic unit. Secure hood to basic unit using the 13 sheet metal screws provided.

IMPORTANT: Failure to install these screws will result in permanet damage to the unit and void the warranty.



All Screws Must Be Installed

DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

This stove must be connected to (1) a chimney complying with the requirements for Type HT chimneys in the Standard for Chimneys, Factory-Built, Residential Type and Building Heating Appliance, UL 103, or (2) a code-approved masonry chimney with a flue liner.

Chimney Connector Installation

It is required to install a 8 inch all-fuel class "A" chimney system prior to the chimney connector installation. The connector pipe included with the Imperial is 1 - 8" x 30" starter pipe, and 1 - 8" x 30" slip connector. The slip connector is identified by 3 holes at the top of the pipe. The slip connector has one flair at the top with the 3 holes. The bottom is smooth. The starter pipe section has flairings at both ends. The male end is always at the bottom.

Simpson Dura-Vent Chimney System

It is required to use a Dura-Vent Universal Connector part number 8874 to install the chimney connector.

1. The universal connector is installed into the support box. The 8" x 30" slip pipe is then connected to the universal connector.
2. The 8" x 30" starter pipe section is then slid over the slip connector pipe. Slide the 30 inch pipe over the slip pipe only far enough as necessary to facilitate installation of the 8" x 30" starter pipe in to the unit.
3. There must be a minimum of 2 inches of overlap between the 8" x 30" and 8" x 30" slip connector pipe.

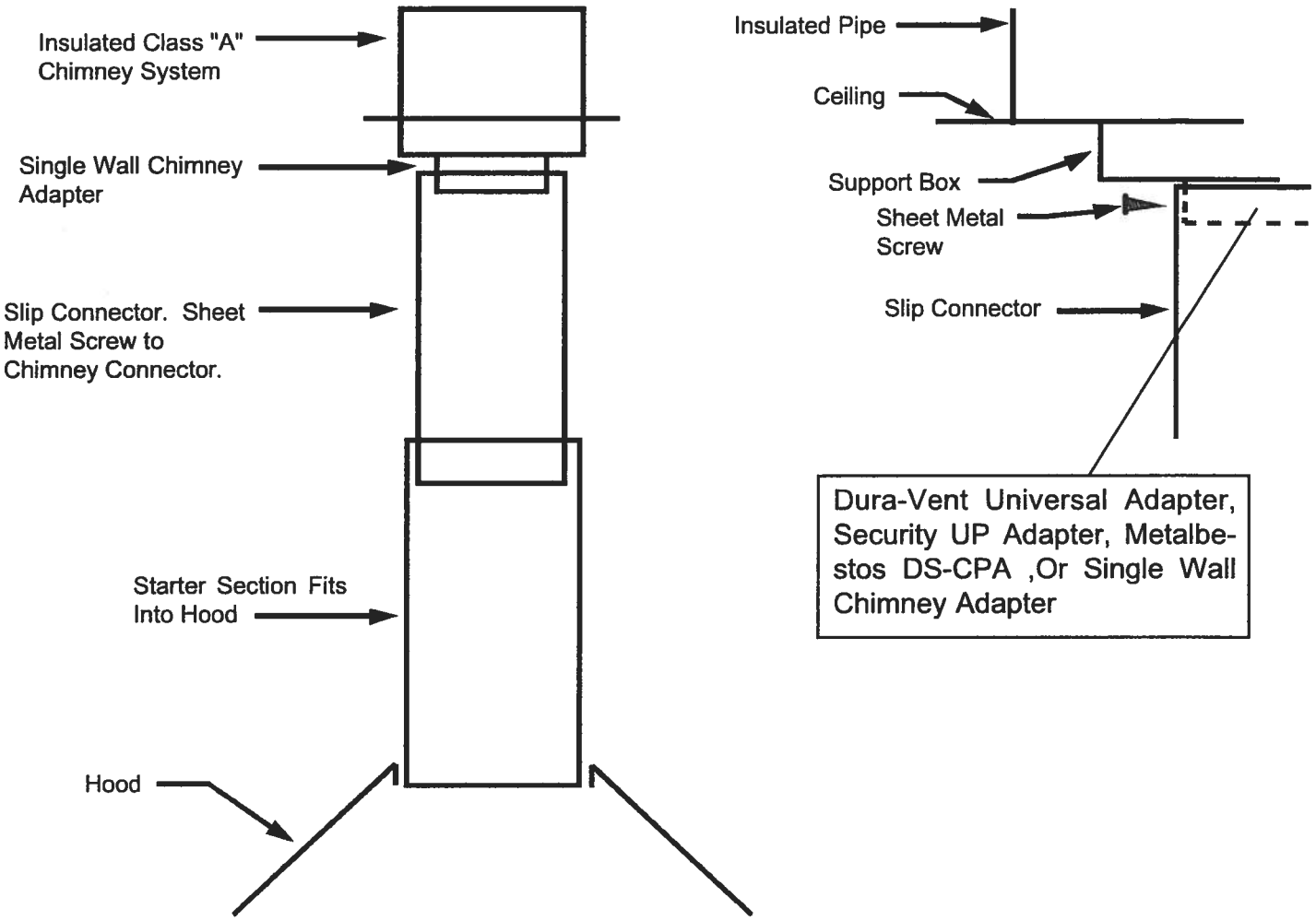
Metalbestos or Security

When using Metalbestos or Security chimney systems it is required to use the Metalbestos DS-CPA Single Wall Conector pipe. Security users must use the UP adapter.

1. Installation of the Metalbestos DS-CPA or the Security UP adapter must be done first.
2. Attach the 8" x 30" slip connector to the DS-CPA or UP adapter with 3 - #8 x 3/8 inch screws.
3. The 8" x 30" starter pipe section is then slid into the slip connector pipe. Slide the 30 inch pipe into the slip pipe only far enough as necessary to facilitate installation of the 8" x 30" starter pipe into the unit.
4. Slide the 8" x 30" pipe down onto the Imperial.
5. There must be a minimum of 2 inches of overlap between the 8" x 30" and 8" x 30" slip connector pipe.

Other Chimney Systems

There are many other manufacturer's of chimney systems. It is beyond the scope of this publication to cover installation with all of the different systems available. Most systems have a method of connection to the Imperial's connector pipe. Confirm installation procedures with your dealer or the manufacturer of the chimney system you have purchased.



The above illustration represents the installation procedure for dripless pipe installation. This installation method of installing the connector pipe with the male end down allows for any moisture to remain on the inside of the connector pipe.

IMPORTANT: THE SINGLE WALL CONNECTOR PIPE MUST NEVER PASS THROUGH A COMBUSTIBLE CEILING OR WALL.

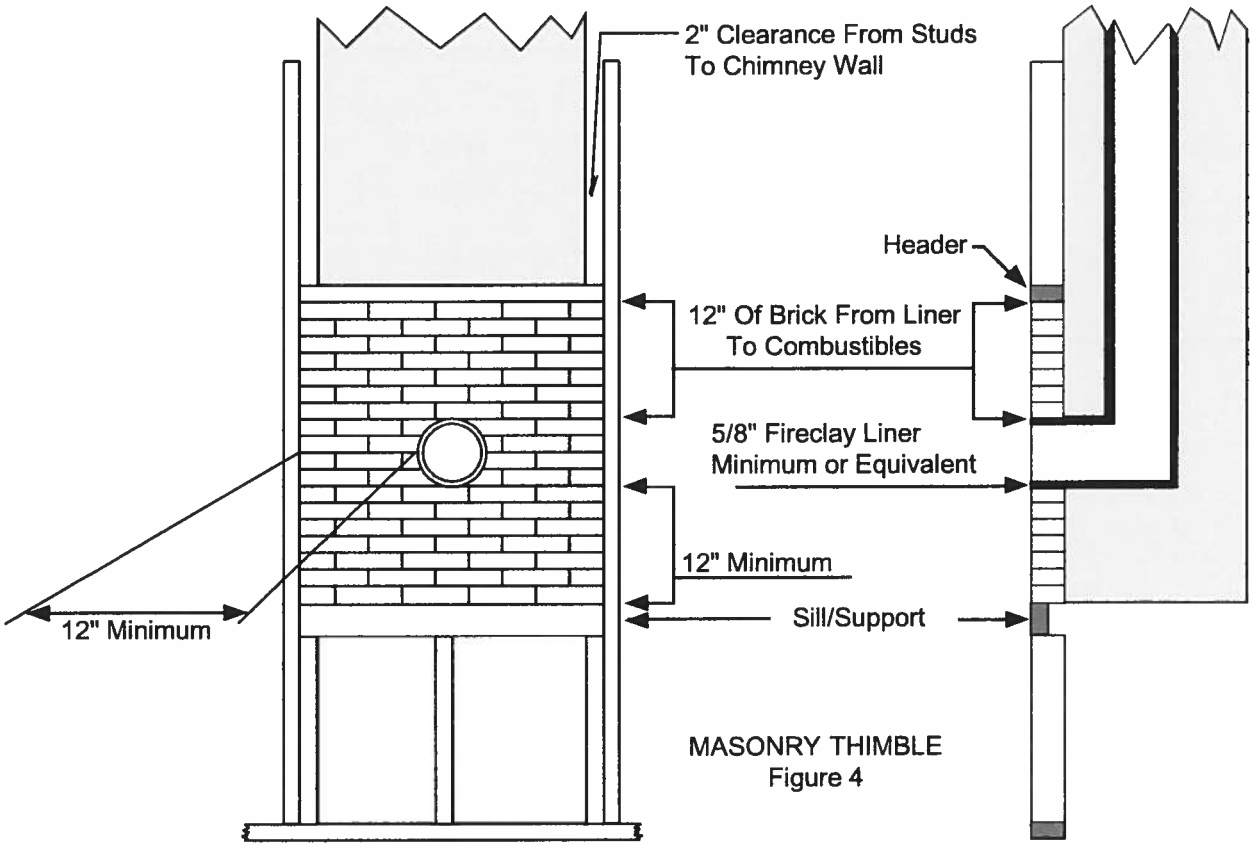
At first glance you may become concerned that smoke will escape the pipe and enter the room. This is not how the system will work. The vacum in the chimney system will always pull air into the chimney. If you experience a downdraft with your installation it indicates that additional chimney height or a specialty draft cap be added to your chimney system. Contact your dealer for further information regarding downdrafts.

Masonry Chimney

If using a masonry chimney, it must meet the minimum standards of the National Fire Protection Association (NFPA) Standard 211. The chimney must have at least a 5/8" fire clay liner or a listed chimney liner system. The chimney must be inspected for cracks, loose mortar, or any other signs of deterioration. It is best to have the chimney inspected by a professional. Make certain the chimney is cleaned prior to installation of this fireplace.

The size of the chimney should be between 36 and 96 square inches. Larger chimneys should be relined to meet these requirements. Incorrect sizing of the chimney may affect the draft and result in poor fireplace performance. Do not install more than one appliance to any chimney.

There are different accepted methods of connecting the fireplace to a masonry chimney through a combustible wall. This type of installation requires the use of a thimble to protect the surrounding combustible materials. Check with your local building officials or consult NFPA211.



MASONRY THIMBLE
Figure 4

OPERATING INSTRUCTIONS

Failure to properly use and maintain this appliance may void the manufacturer's warranty and could result in a house fire.

WARNING: This free standing fireplace is a heat producing appliance and may cause severe burns if touched. Keep children away. Do Not over fire. If any portion of the unit or flue starts to glow you are over firing. This is a free standing fireplace, do not use for any other purpose.

1. The first few fires should be small in order to properly cure the painted surfaces and refractory. During the first few fires, some smoking may occur as the paint cures. You may wish to open a window to minimize discomfort during this curing period.
2. **DO NOT BURN TRASH OR GARBAGE IN THIS UNIT.** When building a fire, be sure the damper is fully opened and sufficient combustion air is available. Place dry kindling on dry wadded paper then ignite with a match. Add progressively larger pieces of wood until the fire is well established. Leave the damper fully open. Close only after the fire has burned out completely. Add additional firewood as needed to maintain the fire.
3. The fire screen must be in place during operations. THIS FIREPLACE STOVE HAS NOT BEEN TESTED FOR USE WITH DOORS. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT INSTALL DOORS.
4. **DO NOT ELEVATE THE FIRE**. A grate should not be used.
5. **CAUTION:** Heating the air in a closed building decreases the relative humidity of the air, which will dry wood and other combustible materials. This drying lowers the ignition temperature of these materials thus increasing fire hazards. To reduce the risk of fire, some provision should be made for replenishing moisture to the air whenever a structure is being heated for extended periods.
6. Be sure to provide combustion air into the dwelling when using this or any other wood burning appliance. A partially open window or outside air register in the vicinity of the unit would be acceptable. Combustion air must be supplied in conformance with the Uniform Mechanical Code.
7. **CAUTION: NEVER USE GASOLINE, GASOLINE TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR "FRESHEN UP" A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IN USE.**
8. **DISPOSAL OF ASHES:** Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, away from all combustible materials, pending final disposal. The ashes should be retained in the closed container until all cinders have thoroughly cooled.
9. **READ MAINTENANCE INSTRUCTIONS.**

IN CASE OF A CHIMNEY FIRE

A safe and correct installation and extra care will help prevent a fire, but accept the idea that there could be a fire. Be prepared to handle it. Make certain everyone in the house is familiar with the warning signs of a chimney fire:

1. Call the Fire Department immediately, before doing anything else.
2. Discharge a dry chemical extinguisher into the fireplace opening. If an extinguisher is not available, toss baking soda into the opening. Do not pour water on the fire.
3. Close all air intakes to the firebox and leave closed until the fireplace, stove or stove pipe is completely cooled.
4. Watch for sparks on the roof. If necessary, hose down the roof around the chimney.
   DO NOT pour water down or on the chimney.
5. After the fire is completely out, inspect the chimney for any signs of damage. If you are not certain, have your local Fire Department inspect the chimney for you. Never use a flammable liquid to kindle or rekindle a fire.
6. Never use coal in a fireplace. Coal should be used only in stoves especially designed to burn coal. If the toxic gases produced enter the room they can be fatal.

MAINTENANCE INSTRUCTIONS

Failure to properly use and maintain this appliance may void the manufacturer's warranty and could result in a house fire.

1. Always keep the area around the unit clean and clear of furniture and other objects. Keep all furniture a minimum of 48 inches away from the heater.
2. Periodically the entire unit, chimney connector, and chimney system must be inspected for leaks, broken or malfunctioning parts, and loose connections. If any problems are noted, contact your dealer for repair services. Do not operate the unit until repairs have been completed.

CREOSOTE FORMATION AND THE NEED FOR REMOVAL.

When wood is burned slowly, it produces tar and other vapors, which combine with moisture to form creosote. Creosote vapors condense in the relatively cool chimney flue, and creosote residue accumulates on the flue lining. When ignited, this creosote can make an extremely hot fire. The chimney connector and chimney should be inspected at least twice monthly during the heating season to determine if creosote buildup has occurred. If creosote has accumulated, it should be removed to reduce the chance of a chimney fire.

HOW TO REMOVE CREOSOTE.

1. Clean the chimney with brushes and equipment available at local fireplace shops.
2. Chemical chimney cleaners are used by adding them to the fire, but they are not intended for use in chimneys already containing heavy soot deposits. Rather, they are intended to inhibit soot buildup. They can be used in metal chimneys provided the manufacturers instructions are strictly followed. Generally these commercial cleaners are quite effective.
3. Call a professional chimney sweep in your area. They possess the experience and tools necessary to make the task easy.

Maintenance other than the items specifically mentioned herein are to be performed by a qualified serviceman only. Contact your dealer. For further information on using your heater safely, obtain a copy of the National Fire Protection Association publication "Using Coal and Wood Stoves Safely," NFPA HS-10-1978. The address of the NFPA is Batterymarch Park, Quincy, MA 02269. File these instructions for future reference.

NEVER STORE OR ALLOW PAPERS, KINDLING, FIREWOOD OR ANY OTHER COMBUSTIBLES WITHIN 48 INCHES OF UNIT.

Malm Fireplaces, Inc.

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Santa Rosa, California 95404
(707) 523-7755
Fax: (707) 571-8036
info@malmfireplaces.com

June 1992

TAMKO
ROOFING PRODUCTS

FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

TAMKO ROOFING PRODUCTS

Application Instructions for

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.
IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

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

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

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be at minimum of 3/8 in. thick, nails and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be at 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

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

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

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.
FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

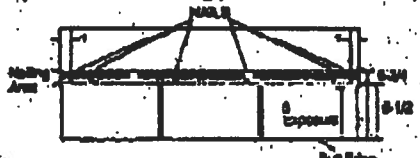
NAILS: TAMKO recommends the use of nails as the preferred method of application.
Wind CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 5-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).

2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

Visit Our Web Site at www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2065
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2858
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1934
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8668

I

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:mlb

ALLEN M. REEVES
No. 11256
STATE OF FLORIDA
PROFESSIONAL ENGINEER

APRIL 2002

II

Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen M. Reeves
1 APRIL 2002

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No. 13384
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen H. Reeves
1 APRIL 2002

ALLEN H. REEVES
CERTIFICATE NO. 15884
STATE OF FLORIDA
PROFESSIONAL ENGINEER

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max

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

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.

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

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE NO. 1887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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

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

Uniform Load Structural (ASTM E 330-97)		
(Measurements reported were taken on the meeting rail)		
(Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

Allen M. Reeves
1 APRIL 2002

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

VI

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

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

MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 1735
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TAMKO ROOFING PRODUCTS

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Measured Fastening Pattern.

E. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and reinstall in a new location. Remove all drip edge metal and replace with new.

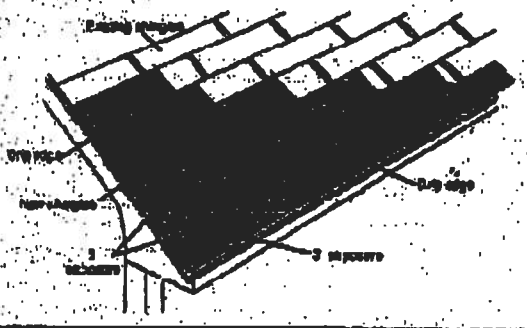
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The roofing application described below is the preferred method for re-roofing over square tab style shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles in to 9 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingle so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.



F. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Free® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

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

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

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

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

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

- To the adjoining roof plane, apply one row of shingles underlisting it over previously applied shingles and into a minimum of 2 in. back from the centerline of the valley.

Note: For a center lay valley, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

- CAUTION: *Adhesive must be applied in smooth, thin, even layers.*

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

(CONTINUED from Pg. 3)

TAMKO ROOFING PRODUCTS

• Glass-Seal • Glass-Seal AR • Elite Glass-Seal® • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

HIP AND RIDGE APPLICATION DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

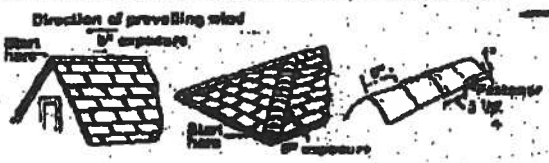
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



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

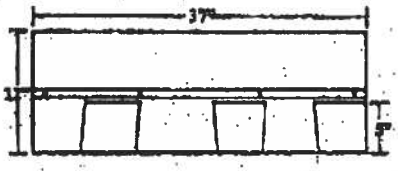
IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

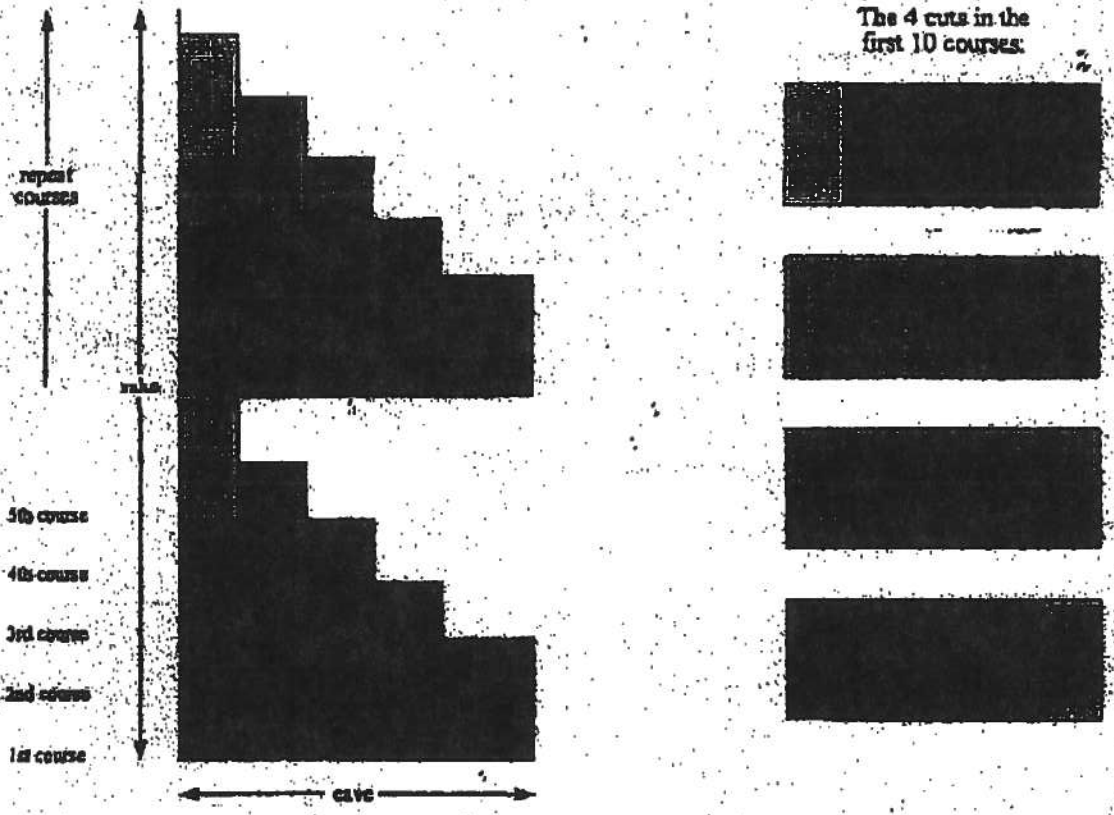
In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

TAMKO
ROOFING PRODUCTS

Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"





In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 32 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.

NO. 12254
STATE OF

II

Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
No. 12384
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

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

Allen H. Reeves
1 APRIL 2002

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max

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

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

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

Allen H. Reeves
1 APRIL 2002

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

Test Specimen Description: (Continued)

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

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

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

LEE N. REEVES
CERTIFICATE
No. 18584
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Lee N. Reeves
APRIL 2002

VI

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

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

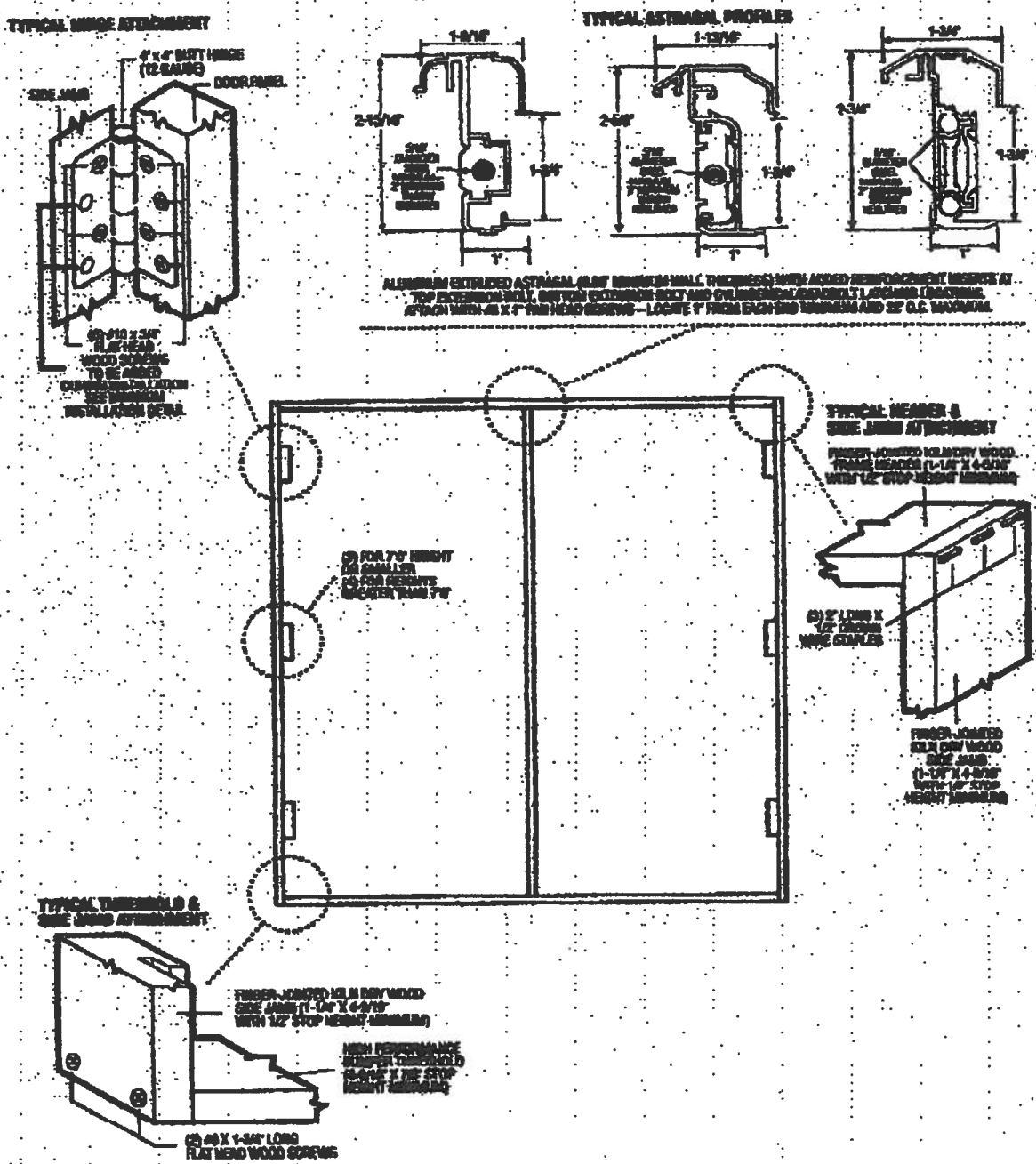
MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 1135
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

XX
Unit

[redacted]

OUTSWING UNITS WITH DOUBLE DOOR



March 30, 2005
Our continuing program of product improvement makes specifications, design and pictures subject to change without notice.

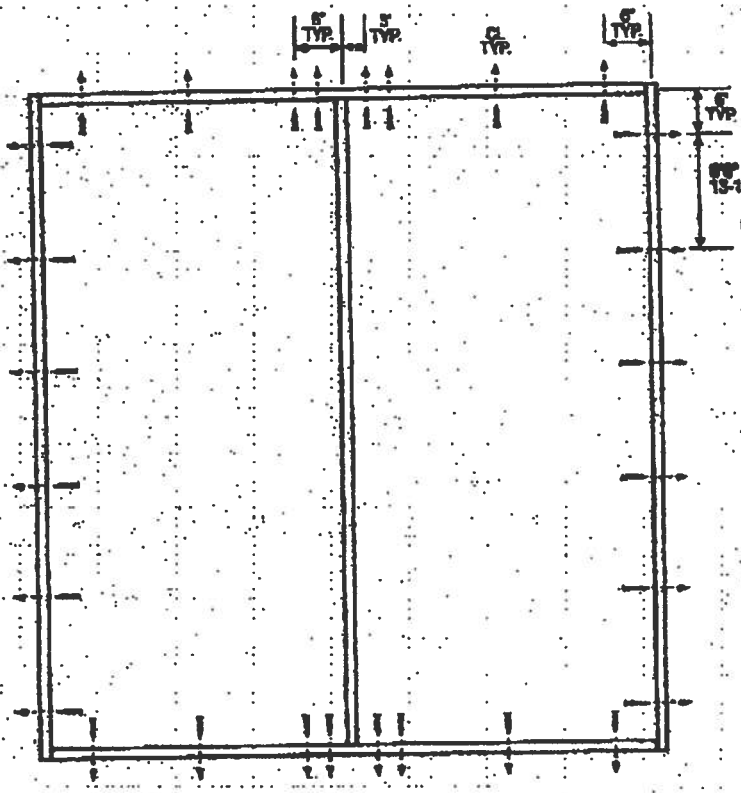
FRENDOOR
Premium Quality Doors

Masonite
Exclusively from Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

- 6 per vertical framing member.
- 3 per horizontal framing member

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

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

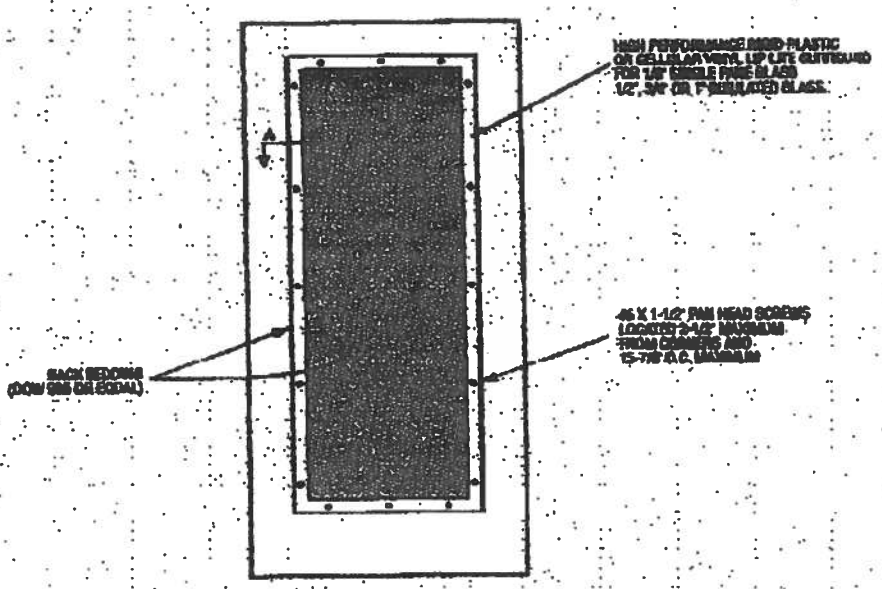
Notes:

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

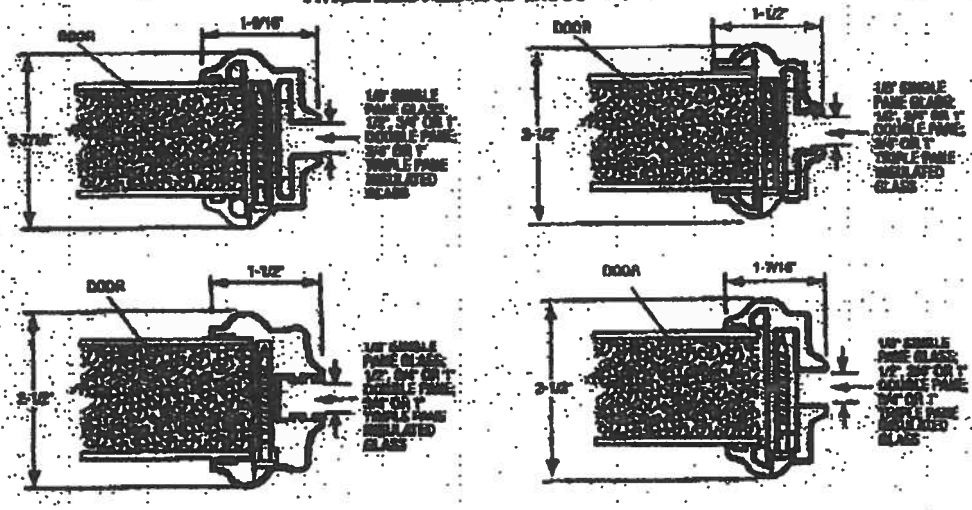
[redacted]

Exclusively from Masonite
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL WOOD PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:

FULL GLASS:

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2294-1

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

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Johnson
Barley-Dyke Systems

March 28, 2002

Exclusively from Masonite
Masonite International Corporation

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 31-7S-17-10070-117 **Building permit No.** 000024498

Use Classification SFD,UTILITY **Fire:** 129.56

Permit Holder OWNER BUILDER **Waste:** 201.00

Owner of Building W. LYN & LYNNETTE BURKS **Total:** 330.56

Location: 367 SW BLUEBIRD COURT(BLUEBIRD LANDING,LOT 17)

Date: 10/09/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Project Information for:	L159830		
Builder:	SPARKS CONSTRUCTION	Date:	5/2/2006
Lot:	LOT 1 BLUEBURG LANDING	Start Number:	**1325**
Subdivision:	N/A		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	22		

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)

SPARKS, JOSHUA D. CBC 1252260
Address: 130 S W COUNTRY CT
LAKE CITY,FLORIDA 32056 Designer: **134**

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	EJ8	0502061325	5/2/2006				
2	FG01	0502061326	5/2/2006				
3	PB14	0502061327	5/2/2006				
4	PB14G	0502061328	5/2/2006				
5	T01	0502061329	5/2/2006				
6	T01A	0502061330	5/2/2006				
7	T01G	0502061331	5/2/2006				
8	T02	0502061332	5/2/2006				
9	T02A	0502061333	5/2/2006				
10	T03	0502061334	5/2/2006				
11	T04	0502061335	5/2/2006				
12	T05	0502061336	5/2/2006				
13	T06	0502061337	5/2/2006				
14	T06G	0502061338	5/2/2006				
15	T07	0502061339	5/2/2006				
16	T08	0502061340	5/2/2006				
17	T08G	0502061341	5/2/2006				
18	T09	0502061342	5/2/2006				
19	T09G	0502061343	5/2/2006				
20	T14	0502061344	5/2/2006				
21	T14G	0502061345	5/2/2006				
22	T15	0502061346	5/2/2006				

MAY 02 2006

08:50:44 AM

Log On

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- View Continuing Ed

Term Glossary

Online Help

Search Results

Please see our glossary of terms for an explanation of the license status shown in these search results.

License Type	Name	Name Type	License Number/ Rank	Status/ Expires
Certified Building Contractor	SPARKS, JOSHUA DAVID	Primary	CBC1252260 Cert Building	Current, Active 08/31/2006

New

MAY 02, 2006 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.#0502061325

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	EJ8	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:20 2006 Page 1

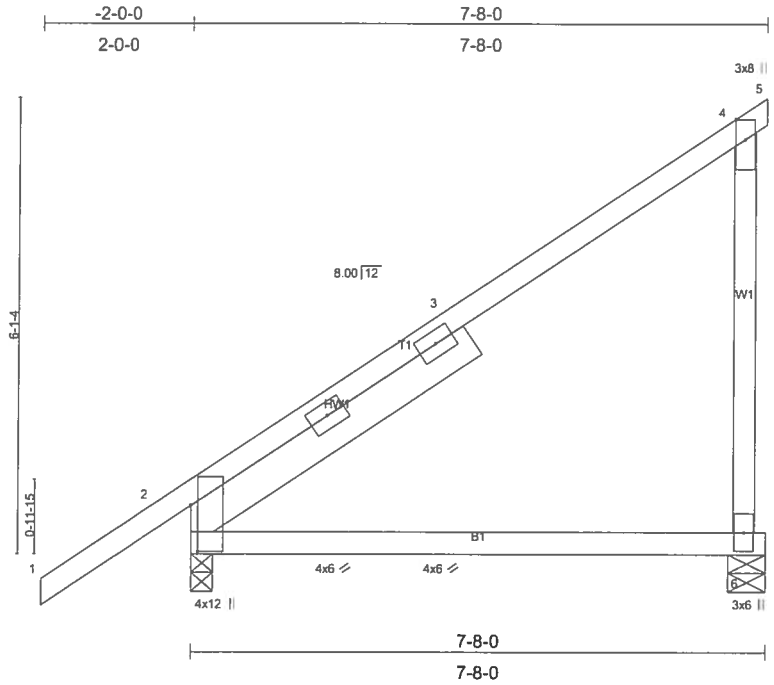


Plate Offsets (X,Y): [2:0-7-7,0-1-2], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.20	2-6	>436	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.17	2-6	>511	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 48 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-6-8

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

REACTIONS (lb/size) 6=299/0-6-0, 2=432/0-3-8
Max Horz 2=308(load case 5)
Max Uplift6=-305(load case 5), 2=-235(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-194/0, 3-4=-85/45, 4-5=-2/0, 4-6=-174/215
BOT CHORD 2-6=-91/60

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 6 and 235 lb uplift at joint 2.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061326

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	FG01	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 11:02:44 2006 Page 1

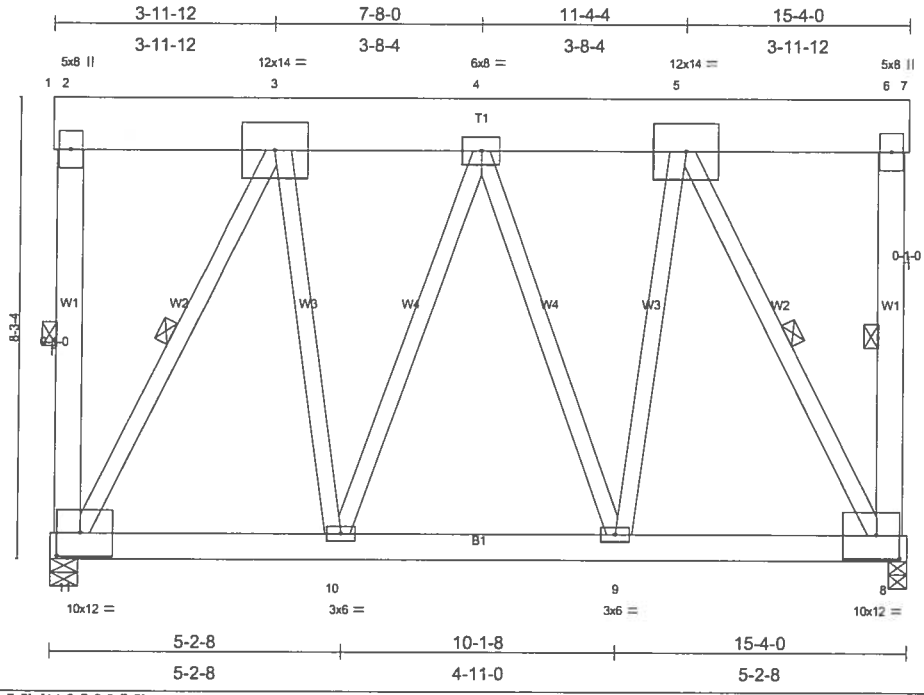


Plate Offsets (X,Y): [8:0-5-0,0-5-0], [11:0-5-0,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.08	9-10	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.60	Horz(TL)	-0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 413 lb	

LUMBER
TOP CHORD 2 X 12 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 6 SYP No.1D, W1 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-3 oc bracing.
WEBS 1 Row at midpt 2-11, 6-8, 3-11, 5-8

REACTIONS (lb/size) 11=5827/0-6-0, 8=5827/0-4-0
Max Horz 11=4605(load case 3)
Max Uplift11=-1023(load case 2), 8=-3394(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-11=-1297/1065, 1-2=0/0, 2-3=-90/1260, 3-4=-2347/1276, 4-5=-2347/467, 5-6=-1199/0, 6-7=0/0, 6-8=-1297/14
BOT CHORD 10-11=-3615/2131, 9-10=-3291/2623, 8-9=-2588/2131
WEBS 3-11=-4599/118, 3-10=0/1599, 4-10=-937/0, 4-9=-859/1617, 5-9=-1351/1599, 5-8=-4599/3339

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 12 - 2 rows 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.
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) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1023 lb uplift at joint 11 and 3394 lb uplift at joint 8.
6) Girder carries tie-in span(s): 8-8-0 from 0-0-0 to 15-4-0; 28-8-0 from 0-0-0 to 15-4-0

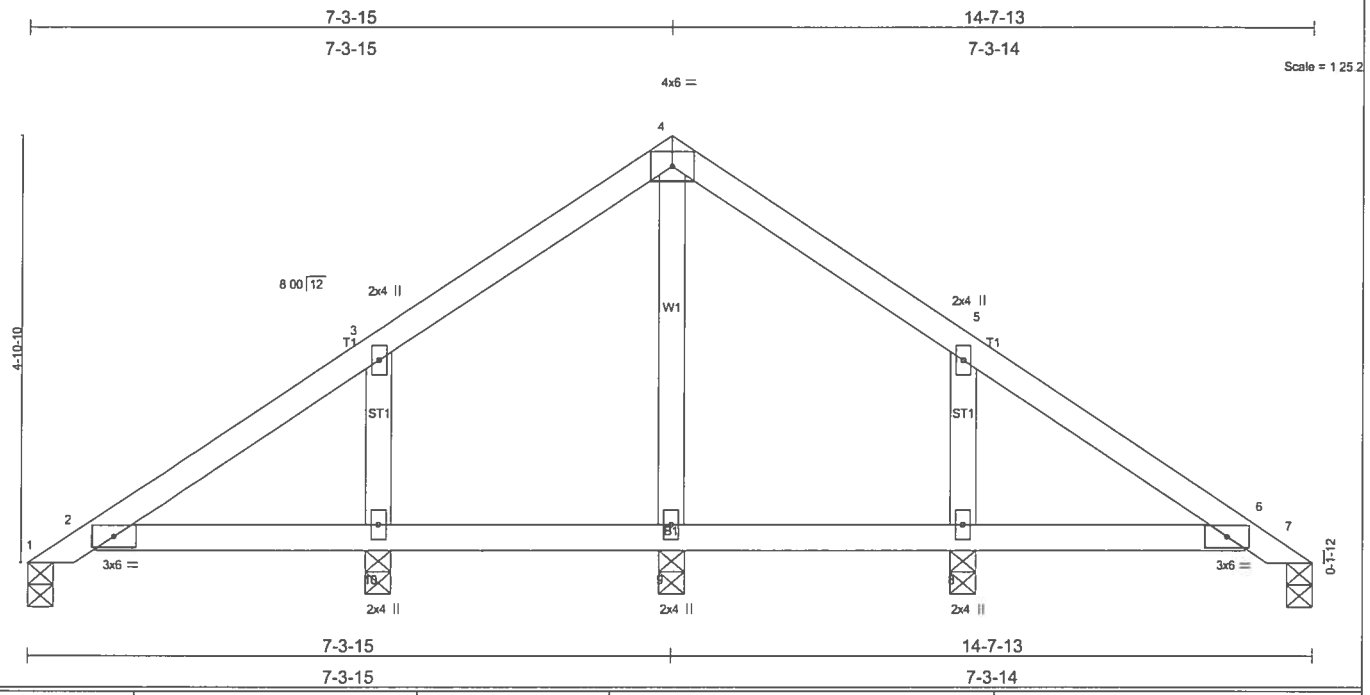
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-568, 2-6=-608, 6-7=-568, 8-11=-160(F=-130)

MAY 02, 2006 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.#0502061327

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	PB14	PIGGYBACK	25	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:22 2006 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	0.15	Vert(LL)	0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 lb	

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

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

REACTIONS (lb/size) 1=65/0-3-8, 9=379/0-3-8, 8=337/0-3-8, 10=337/0-3-8, 7=65/0-3-8
Max Horz 1=-166(load case 3)
Max Uplift1=-44(load case 3), 9=-39(load case 5), 8=-201(load case 6), 10=-207(load case 5), 7=-14(load case 6)
Max Grav 1=76(load case 9), 9=379(load case 1), 8=346(load case 10), 10=346(load case 9), 7=76(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-171/171, 2-3=-138/181, 3-4=-43/165, 4-5=-8/165, 5-6=-81/181, 6-7=-37/12
BOT CHORD 2-10=-100/123, 9-10=-100/123, 8-9=-100/123, 6-8=-100/123
WEBS 4-9=-297/67, 5-8=-215/207, 3-10=-215/210

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 39 lb uplift at joint 9, 201 lb uplift at joint 8, 207 lb uplift at joint 10 and 14 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061328

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	PB14G	PIGGYBACK	1	1	Job Reference (optional)

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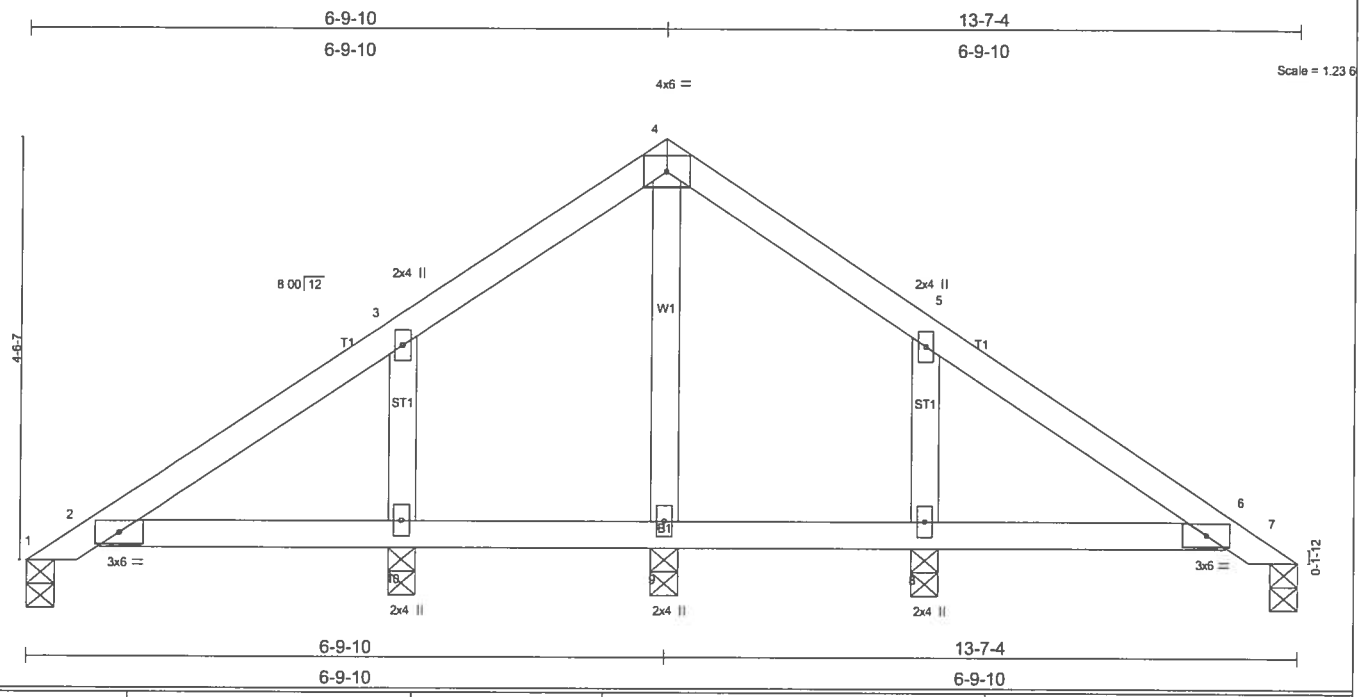


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 lb	

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

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

REACTIONS (lb/size) 1=59/0-3-8, 7=59/0-3-8, 9=333/0-3-8, 8=323/0-3-8, 10=323/0-3-8
Max Horz 1=154(load case 4)
Max Uplift1=-37(load case 3), 7=-14(load case 6), 9=-30(load case 5), 8=-191(load case 6), 10=-197(load case 5)
Max Grav 1=72(load case 9), 7=72(load case 10), 9=333(load case 1), 8=330(load case 10), 10=330(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-157/157, 2-3=-126/198, 3-4=-37/172, 4-5=-9/172, 5-6=-86/198, 6-7=-35/12
BOT CHORD 2-10=-115/130, 9-10=-115/130, 8-9=-115/130, 6-8=-115/130
WEBS 4-9=-276/55, 5-8=-203/192, 3-10=-203/196

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 1, 14 lb uplift at joint 7, 30 lb uplift at joint 9 , 191 lb uplift at joint 8 and 197 lb uplift at joint 10.

LOAD CASE(S) Standard

MAY 02, 2006 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

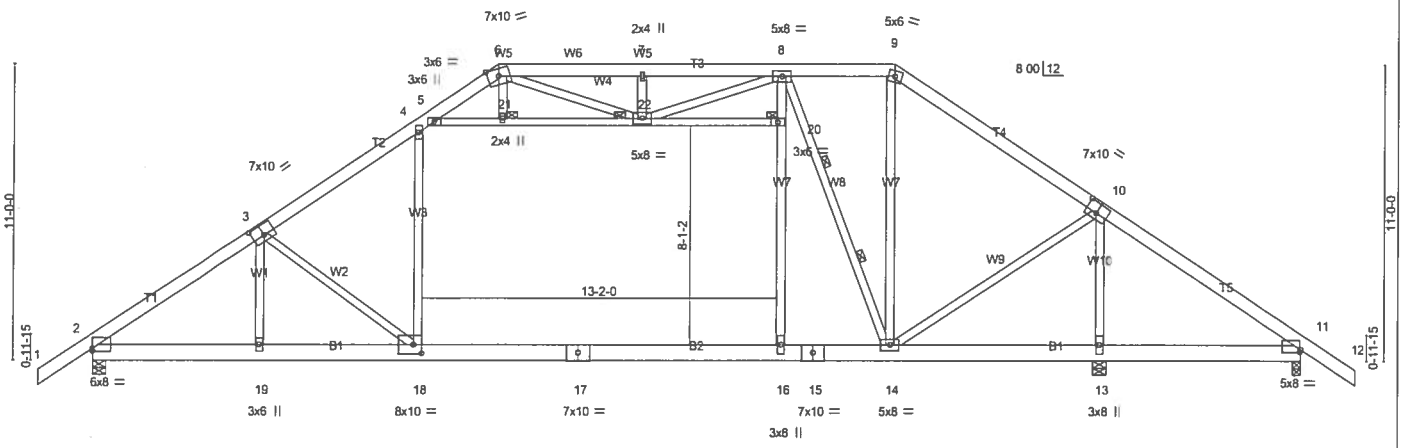
Dwg.#0502061329

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T01	ATTIC	9	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:23 2006 Page 1

-2-0-0	6-1-14	12-0-4	15-0-1	20-3-13	25-5-12	29-7-15	37-3-0	44-8-0	46-8-0
2-0-0	6-1-14	5-10-6	2-11-13	5-3-12	5-1-15	4-2-3	7-7-1	7-5-0	2-0-0

Scale = 1:81.5



6-1-14	12-0-4	25-5-12	29-7-15	37-3-0	44-8-0
6-1-14	5-10-6	13-5-8	4-2-3	7-7-1	7-5-0

Plate Offsets (X,Y): [2:0-0-3,0-1-1], [3:0-5-0,0-4-8], [10:0-5-0,0-4-8], [11:0-0-3,0-1-1], [18:0-3-8,0-4-0]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.41	16-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.68	16-18	>651	240		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.07	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.18	18	>999	240	Weight: 402 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins, except 2-0-0 oc purlins (5-3-5 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 8-14
JOINTS 1 Brace at Jt(s): 20, 21, 22

REACTIONS (lb/size) 11=1729/0-3-8, 13=985/0-6-0, 2=2624/0-6-0
Max Horz 2=367(load case 4)
Max Uplift11=-544(load case 5), 13=-1123(load case 3), 2=-465(load case 5)
Max Grav 11=1729(load case 1), 13=1487(load case 11), 2=2624(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-2672/524, 10-11=-2392/645, 11-12=0/45, 6-7=-2297/654, 7-8=-2296/654, 8-9=-2141/525, 1-2=0/46, 2-3=-3765/536, 3-4=-3526/457, 4-5=-2773/523, 5-6=-1545/442
BOT CHORD 2-19=-506/2931, 18-19=-506/2931, 17-18=-321/2806, 16-17=-321/2806, 15-16=-319/2797, 14-15=-319/2797, 13-14=-401/1875, 11-13=-401/1874
WEBS 10-13=-1169/1002, 10-14=-573/742, 9-14=-158/1267, 16-20=0/1514, 8-20=0/1538, 4-18=0/957, 3-18=-182/365, 3-19=-69/87, 5-21=-1481/124, 21-22=-1474/125, 20-22=-52/14, 6-21=0/86, 7-22=-181/300, 8-22=-608/0, 6-22=-260/1024, 8-14=-1897/168

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-21, 21-22, 20-22; Wall dead load (5.0psf) on member(s).16-20, 4-18
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 544 lb uplift at joint 11, 1123 lb uplift at joint 13 and 465 lb uplift at joint 2.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MAY 02, 2006 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

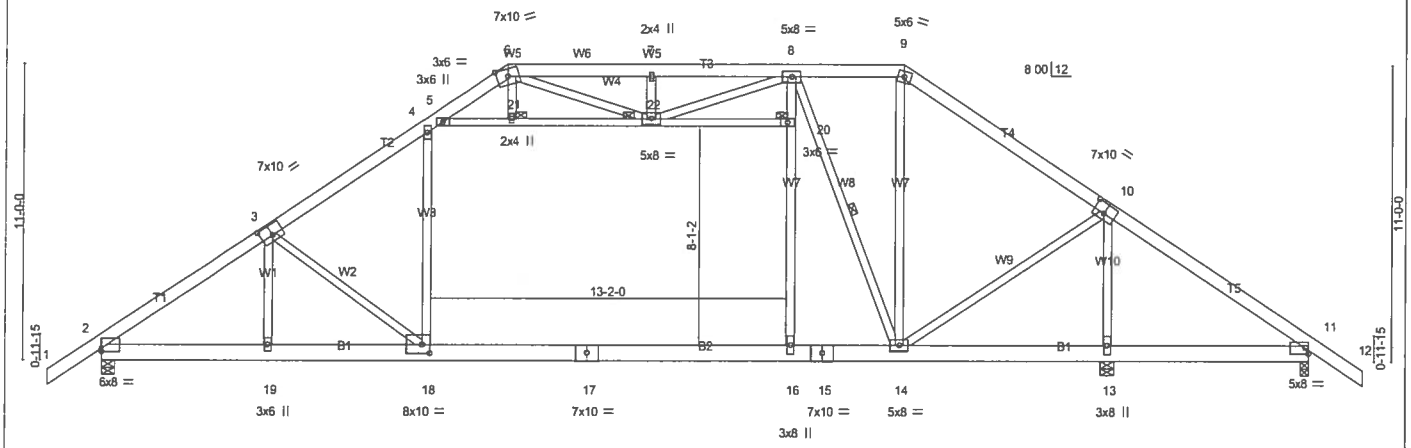
Dwg.#0502061330

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T01A	ATTIC	2	2	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:24 2006 Page 1

-2-0-0	6-1-14	12-0-4	15-0-1	20-3-13	25-5-12	29-7-15	37-3-0	44-8-0	46-8-0
2-0-0	6-1-14	5-10-6	2-11-13	5-3-12	5-1-15	4-2-3	7-7-1	7-5-0	2-0-0

Scale = 1:81.5



6-1-14	12-0-4	25-5-12	29-7-15	37-3-0	44-8-0
6-1-14	5-10-6	13-5-8	4-2-3	7-7-1	7-5-0

Plate Offsets (X,Y): [2:0-0-3,0-1-5], [3:0-5-0,0-4-8], [10:0-5-0,0-4-8], [18:0-3-3,0-3-13]

LOADING (psf)		SPACING	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.31	16-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.51	16-18	>868	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.63	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.14	18	>999	240	Weight: 803 lb	

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

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-14
JOINTS 1 Brace at Jt(s): 9, 6, 20, 21, 22

REACTIONS (lb/size) 11=2594/0-3-8, 13=1477/0-6-0, 2=3935/0-6-0
Max Horz 2=551(load case 3)
Max Uplift11=-816(load case 4), 13=-1685(load case 2), 2=-698(load case 4)
Max Grav 11=2594(load case 1), 13=2230(load case 10), 2=3935(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-4009/689, 10-11=-3587/968, 11-12=0/68, 6-7=-3445/841, 7-8=-3443/841, 8-9=-3212/667, 1-2=0/69, 2-3=-5647/660, 3-4=-5289/489, 4-5=-4159/590, 5-6=-2318/619
BOT CHORD 2-19=-759/4397, 18-19=-759/4397, 17-18=-481/4208, 16-17=-481/4208, 15-16=-479/4195, 14-15=-479/4195, 13-14=-601/2812, 11-13=-602/2811
WEBS 10-13=-1754/1503, 10-14=-859/1112, 9-14=-237/1900, 16-20=0/2270, 8-20=0/2307, 4-18=0/1436, 3-18=-273/547, 3-19=-103/130, 5-21=-2222/185, 21-22=-2211/188, 20-22=-78/21, 6-21=0/129, 7-22=-272/449, 8-22=-911/0, 6-22=-335/1536, 8-14=-2845/251

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-21, 21-22, 20-22; Wall dead load (5.0psf) on member(s).16-20, 4-18
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 816 lb uplift at joint 11, 1685 lb uplift at joint 13 and 698 lb uplift at joint 2.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061331

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T01G	ATTIC	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:25 2006 Page 1

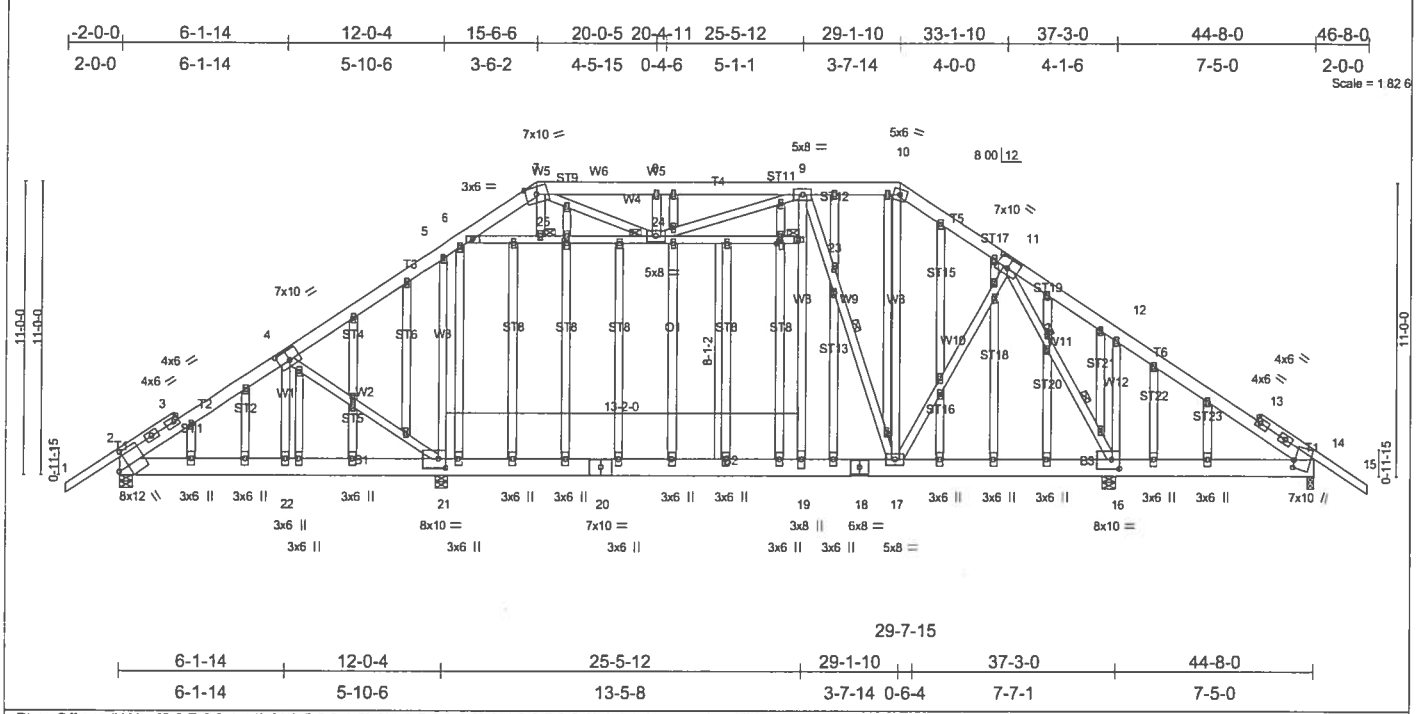


Plate Offsets (X,Y): [2:0-7-6,0-4-14], [4:0-5-0,0-4-8], [11:0-5-0,0-4-8], [14:0-3-7,0-0-6], [16:0-3-8,0-4-0], [21:0-3-8,0-4-0], [48:0-1-8,0-1-0], [54:0-1-8,0-1-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.63	Vert(LL) -0.30 19-21 >999 360	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.65	Vert(TL) -0.48 19-21 >626 240	
BCLL 10.0	Rep Stress Incr NO	WB 0.85	Horz(TL) 0.04 16 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Wind(LL) 0.11 19 >999 240	Weight: 607 lb

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except* W8 2 X 4 SYP No.2, W9 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-11 oc purlins, except 2-0-0 oc purlins (4-11-12 max.): 7-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-16.
WEBS 1 Row at midpt 9-17; 2 Rows at 1/3 pts 11-16
JOINTS 1 Brace at Jt(s): 23, 24, 25

REACTIONS (lb/size) 14=380/0-3-0, 16=3831/0-6-0, 21=1617/0-6-0, 2=2433/0-6-0
Max Horz 2=363(load case 4)
Max Uplift14=-427(load case 6), 16=-1773(load case 3), 21=-650(load case 5), 2=-1126(load case 3)
Max Grav 14=386(load case 11), 16=3831(load case 1), 21=1661(load case 10), 2=2433(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 10-11=-1935/1108, 11-12=-96/522, 12-13=-276/729, 13-14=-62/386, 14-15=-46/86, 7-8=-2515/1641, 8-9=-2513/1640, 9-10=-1559/936, 1-2=-69/130, 2-3=-3005/1489, 3-4=-2907/1431, 4-5=-2763/1284, 5-6=-2447/1274, 6-7=-1741/1204
BOT CHORD 2-22=-1210/2436, 21-22=-1207/2420, 20-21=-831/2129, 19-20=-831/2129, 18-19=-832/2132, 17-18=-832/2132, 16-17=-466/961, 14-16=-422/290
WEBS 12-16=-782/770, 11-17=-426/1227, 19-23=0/1175, 9-23=0/1200, 5-21=-233/498, 4-21=-362/589, 4-22=-402/97, 6-25=-853/80, 24-25=-847/80, 23-24=-4/17, 9-24=-746/431, 7-24=-738/1311, 9-17=-1837/492, 10-17=-155/491, 11-16=-2973/1252, 7-25=0/69, 8-24=-591/544

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) Ceiling dead load (5.0 psf) on member(s). 5-6, 6-25, 24-25, 23-24; Wall dead load (5.0psf) on member(s).19-23, 5-21
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 19-21
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 427 lb uplift at joint 14, 1773 lb uplift at joint 16, 650 lb uplift at joint 21 and 1126 lb uplift at joint 2.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) 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: 10-15=-114(F=-60), 7-10=-114(F=-60), 1-5=-114(F=-60), 5-6=-126(F=-60), 6-7=-114(F=-60), 2-22=-30, 21-22=-30, 19-21=-110, 14-19=-30, 6-23=-10
Drag: 19-23=-10, 5-21=-10

MAY 02, 2006 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

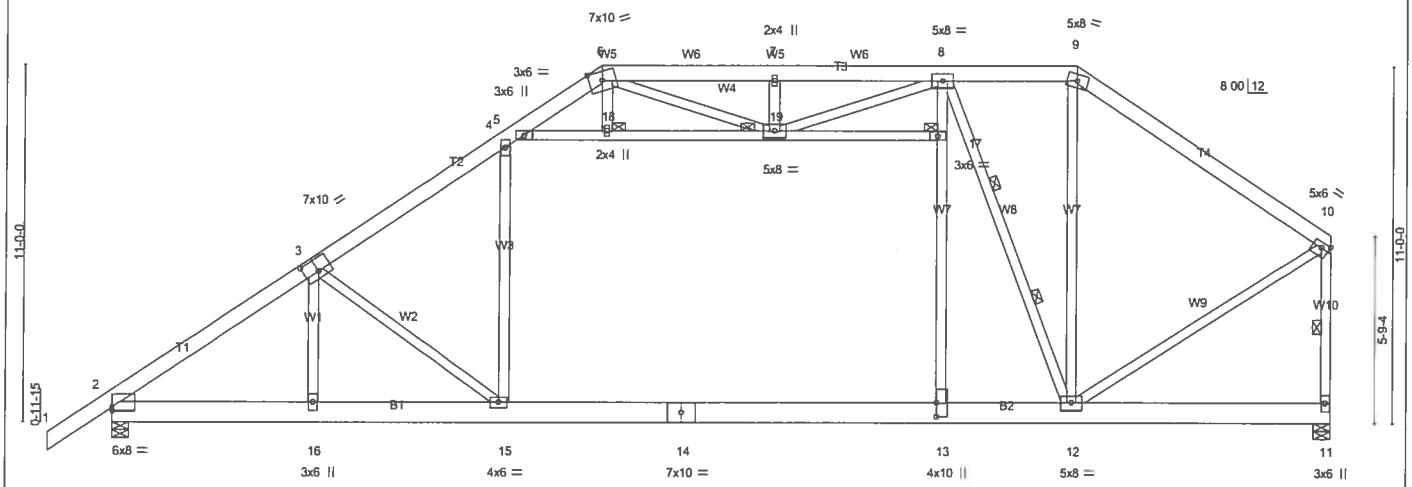
Dwg.#0502061332

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T02	ATTIC	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:26 2006 Page 1

-2-0-0	6-1-14	12-0-4	15-0-1	20-3-13	25-5-12	29-7-15	37-6-0
2-0-0	6-1-14	5-10-6	2-11-13	5-3-12	5-1-15	4-2-3	7-10-1

Scale = 1:67.9



6-1-14	12-0-4	25-5-12	29-7-15	37-6-0
6-1-14	5-10-6	13-5-8	4-2-3	7-10-1

Plate Offsets (X,Y): [2:0-0-3,0-1-5], [3:0-5-0,0-4-8], [10:0-2-12,0-2-0], [13:0-5-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.56	13-15	>796	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.94	13-15	>475	240		
BCLL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.38	15	>999	240	Weight: 354 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2, W7 2 X 4 SYP No.2, W8 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-9 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-1-0 oc bracing.
WEBS 1 Row at midpt 10-11
2 Rows at 1/3 pts 8-12
JOINTS 1 Brace at Jt(s): 17, 18, 19

REACTIONS (lb/size) 11=2244/0-6-0, 2=2376/0-6-0
Max Horz 2=375(load case 5)
Max Uplift11=-512(load case 6), 2=-542(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-1828/649, 6-7=-1887/723, 7-8=-1886/723, 8-9=-1437/646, 1-2=0/46, 2-3=-3423/1110, 3-4=-2992/721, 4-5=-2301/691, 5-6=-1482/543, 10-11=-2087/735
BOT CHORD 2-16=-1009/2668, 15-16=-1007/2667, 14-15=-508/2327, 13-14=-508/2327, 12-13=-501/2307, 11-12=-34/44
WEBS 9-12=-259/903, 13-17=-40/1854, 8-17=0/1877, 4-15=-146/845, 3-15=-463/632, 3-16=-395/210, 5-18=-981/201, 18-19=-975/202, 17-19=-114/37, 6-18=0/72, 7-19=-116/358, 8-19=-513/0, 6-19=-454/724, 8-12=-2541/355, 10-12=-465/1669

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-18, 18-19, 17-19; Wall dead load (5.0psf) on member(s).13-17, 4-15
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 11 and 542 lb uplift at joint 2.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061333

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T02A	ATTIC	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:27 2006 Page 1

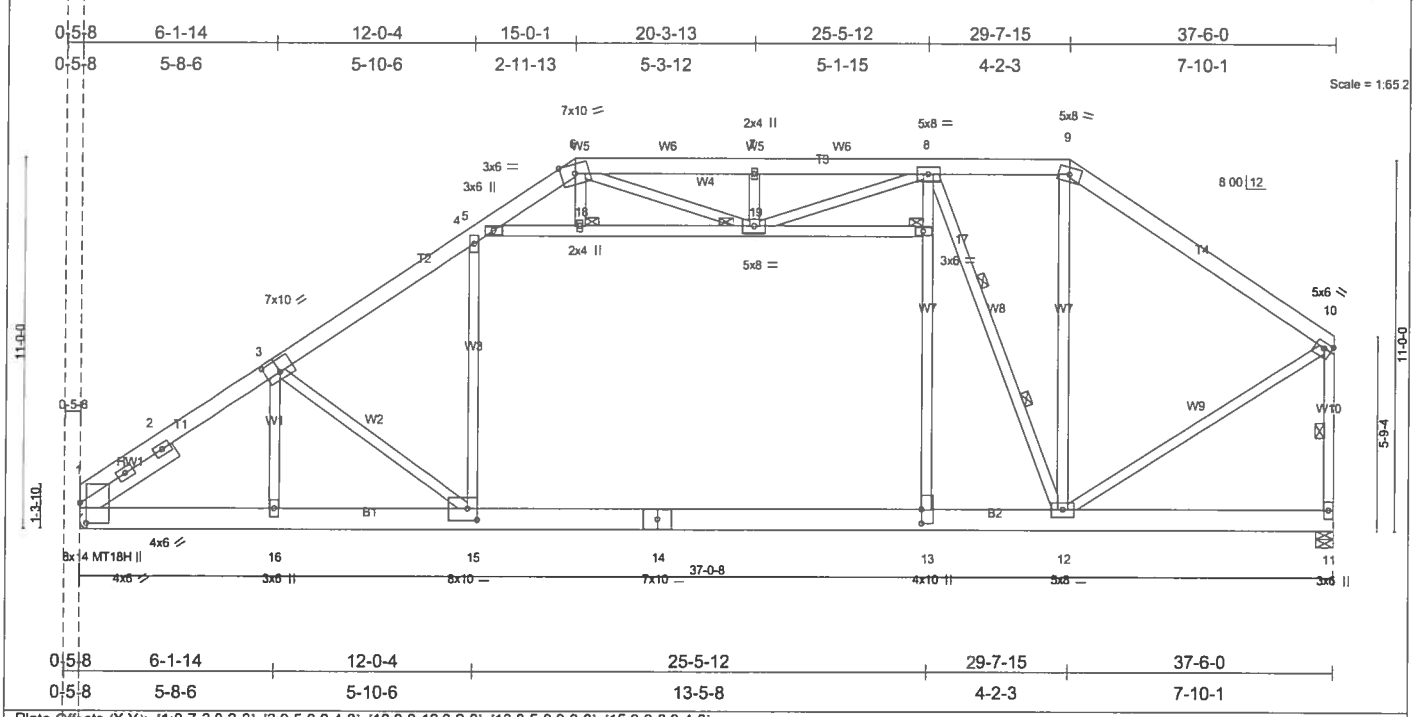


Plate Offsets (X,Y): [1:0-7-3,0-2-3], [3:0-5-0,0-4-8], [10:0-2-12,0-2-0], [13:0-5-0,0-0-0], [15:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.55	13-15	>804	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.92	13-15	>481	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.04	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.38	15	>999	240	Weight: 353 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2, W7 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 3-3-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals , and 2-0-0 oc purlins (5-3-1 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-2-6 oc bracing.
WEBS 1 Row at midpt 10-11
2 Rows at 1/3 pts 8-12
JOINTS 1 Brace at Jt(s): 17, 18, 19

REACTIONS (lb/size) 11=2235/0-6-0, 1=2246/Mechanical
Max Horz 1=342(load case 4)
Max Uplift11=-511(load case 6), 1=-501(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9-10=-1820/651, 6-7=-1871/719, 7-8=-1870/720, 8-9=-1431/648, 1-2=-3226/1061, 2-3=-3149/1094, 3-4=-2948/717, 4-5=-2292/695, 5-6=-1453/537, 10-11=-2079/738
BOT CHORD 1-16=-992/2527, 15-16=-991/2527, 14-15=-511/2314, 13-14=-511/2314, 12-13=-504/2294, 11-12=-34/44
WEBS 9-12=-258/896, 13-17=-44/1843, 8-17=0/1866, 4-15=-132/783, 3-15=-305/607, 3-16=-374/163, 5-18=-1005/212, 18-19=-999/214, 17-19=-113/37, 6-18=0/72, 7-19=-123/357, 8-19=-514/0, 6-19=-451/744, 8-12=-2522/352, 10-12=-467/1662

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-18, 18-19, 17-19; Wall dead load (5.0psf) on member(s).13-17, 4-15
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 11 and 501 lb uplift at joint 1.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MAY 02, 2006 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

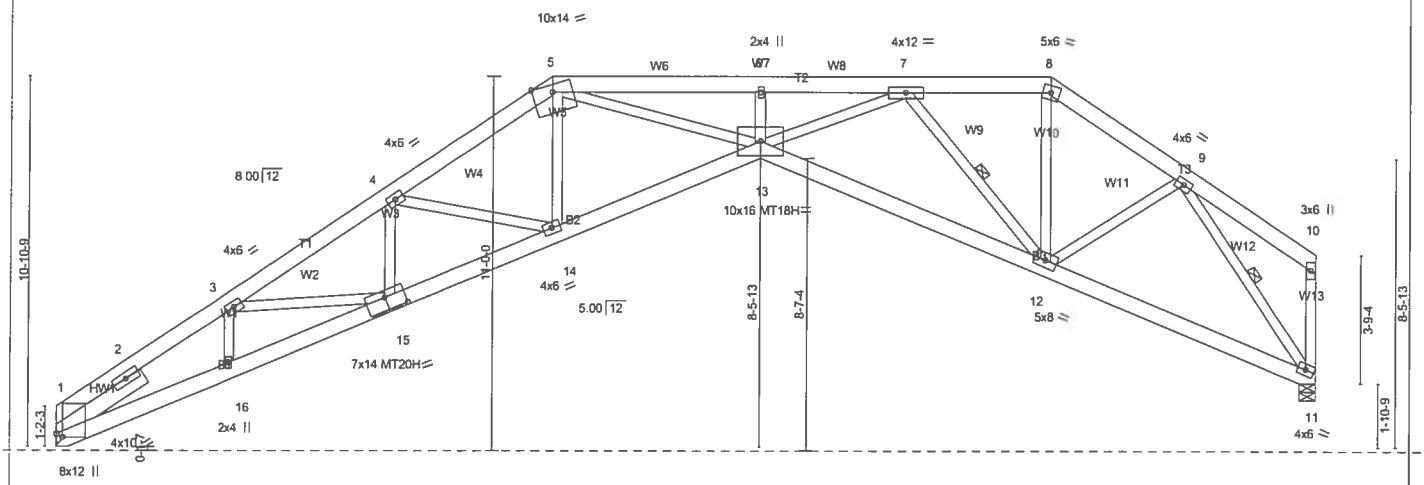
Dwg.#0502061334

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T03	SPECIAL	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:28 2006 Page 1

5-0-8	9-9-9	14-6-9	20-8-5	24-11-6	29-2-7	32-11-11	37-0-8
5-0-8	4-9-0	4-9-0	6-1-11	4-3-1	4-3-1	3-9-5	4-0-13

Scale = 1:64.7



5-0-8	9-9-9	14-6-9	20-8-5	29-2-7	37-0-8
5-0-8	4-9-0	4-9-0	6-1-11	8-6-2	7-10-1

Plate Offsets (X,Y): [1:0-1-4,0-2-2], [15:0-7-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.58	13	>763	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.92	13	>477	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.89	11	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 282 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W6 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 3-1-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-0 oc bracing.
WEBS 1 Row at midpt 7-12, 9-11

REACTIONS (lb/size) 1=1542/Mechanical, 11=1542/0-6-0
Max Horz 1=342(load case 4)
Max Uplift1=-454(load case 5), 11=-418(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3830/1512, 2-3=-3748/1526, 3-4=-4098/1656, 4-5=-3807/1530, 5-6=-7010/2711, 6-7=-7009/2712, 7-8=-1843/814, 8-9=-2207/899, 9-10=-140/86, 10-11=-176/108
BOT CHORD 1-16=-1397/3107, 15-16=-1421/3169, 14-15=-1494/3732, 13-14=-1362/3398, 12-13=-1360/3613, 11-12=-471/1283
WEBS 3-16=-34/92, 3-15=-169/519, 4-15=-67/110, 4-14=-309/332, 5-14=-208/447, 5-13=-1536/4055, 6-13=-110/222, 7-13=-1621/4047, 7-12=-2439/1111, 8-12=-312/906, 9-12=-339/820, 9-11=-2053/794

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 1 and 418 lb uplift at joint 11.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061335

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T04	SPECIAL	3	1	Job Reference (optional)

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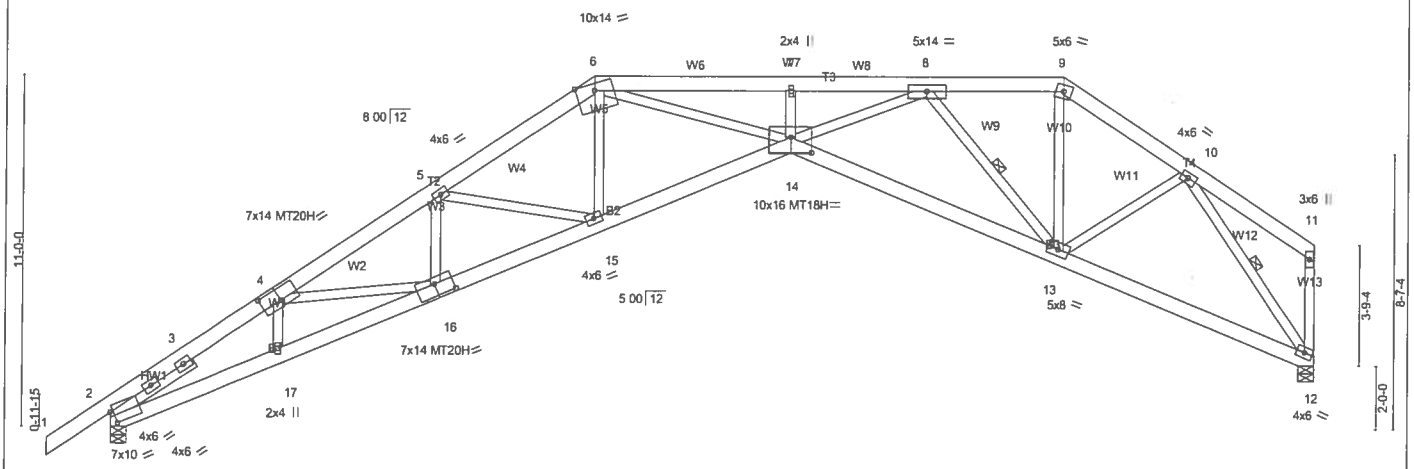
-2-0-0	5-2-6	10-1-4	15-0-1	21-1-13	25-4-14	29-7-15	33-5-3	37-6-0
2-0-0	5-2-6	4-10-14	4-10-14	6-1-11	4-3-1	4-3-1	3-9-5	4-0-13

Scale = 1:68.8



5-2-6	10-1-4	15-0-1	21-1-13	29-7-15	37-6-0
5-2-6	4-10-14	4-10-14	6-1-11	8-6-2	7-10-1

Plate Offsets (X,Y): [2:0-1-1,0-4-12], [4:0-7-0,0-4-8], [14:0-7-15,0-5-14], [16:0-7-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.60	14	>742	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.96	14	>463	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.92	12	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 287 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W6 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.3 3-1-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-11 oc bracing.
WEBS 1 Row at midpt 8-13, 10-12

REACTIONS (lb/size) 2=1682/0-6-0, 12=1558/0-6-0
Max Horz 2=372(load case 5)
Max Uplift2=-587(load case 5), 12=-422(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-4030/1539, 3-4=-3944/1550, 4-5=-4275/1699, 5-6=-3905/1552, 6-7=-7136/2753, 7-8=-7135/2753, 8-9=-1867/819, 9-10=-2234/905, 10-11=-141/86, 11-12=-176/108
BOT CHORD 2-17=-1428/3299, 16-17=-1454/3362, 15-16=-1542/3888, 14-15=-1390/3484, 13-14=-1378/3667, 12-13=-475/1297
WEBS 4-17=-33/105, 4-16=-184/486, 5-16=-27/108, 5-15=-373/354, 6-15=-213/480, 6-14=-1552/4104, 7-14=-108/223, 8-14=-1648/4130, 8-13=-2484/1126, 9-13=-316/920, 10-13=-343/831, 10-12=-2077/800

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 587 lb uplift at joint 2 and 422 lb uplift at joint 12.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061336

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T05	SPECIAL	2	1	Job Reference (optional)

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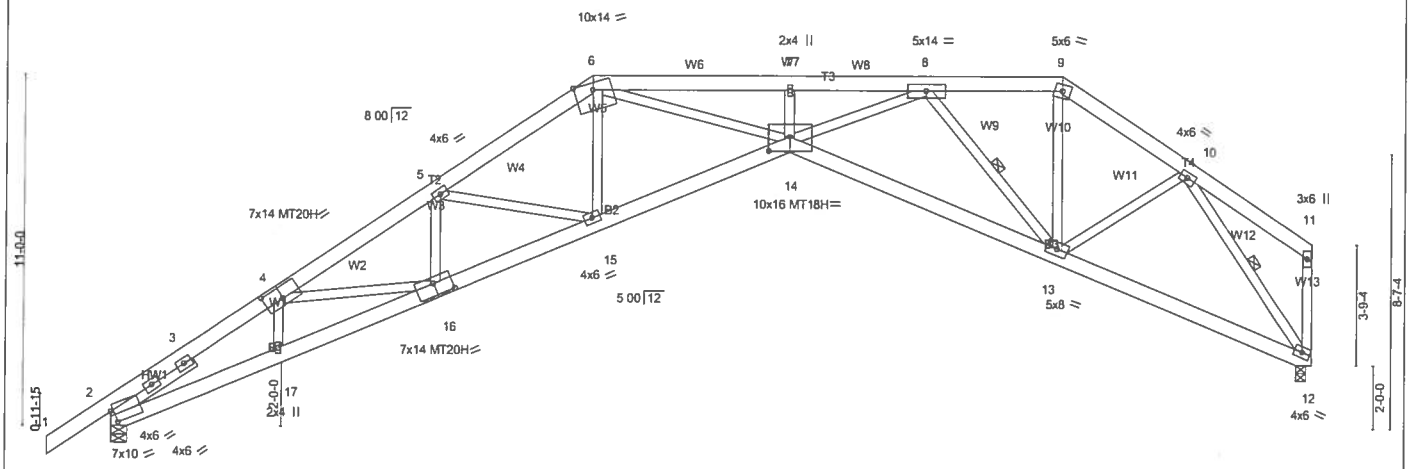
-2-0-0	5-2-6	10-1-4	15-0-1	21-1-13	25-4-14	29-7-15	33-5-3	37-6-0
2-0-0	5-2-6	4-10-14	4-10-14	6-1-11	4-3-1	4-3-1	3-9-5	4-0-13

Scale = 1:68.8



5-2-6	10-1-4	15-0-1	21-1-13	29-7-15	37-0-0	37-6-0
5-2-6	4-10-14	4-10-14	6-1-11	8-6-2	7-4-1	0-6-0

Plate Offsets (X,Y): [2:0-1-2,0-4-12], [4:0-7-0,0-4-8], [14:0-7-11,0-5-6], [16:0-7-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.60	14	>741	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.96	14	>463	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.93	12	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 287 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W6 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.3 3-1-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins, except end verticals, and 2-0-0 oc purlins (2-9-14 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-9-11 oc bracing.
WEBS 1 Row at midpt 8-13, 10-12

REACTIONS (lb/size) 12=1558/0-4-0, 2=1682/0-6-0
Max Horz 2=372(load case 5)
Max Uplift12=-422(load case 6), 2=-587(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-4032/1539, 3-4=-3948/1550, 4-5=-4273/1699, 5-6=-3905/1552, 6-7=-7136/2753, 7-8=-7135/2753, 8-9=-1867/820, 9-10=-2235/905, 10-11=-141/86, 11-12=-176/108
BOT CHORD 2-17=-1428/3302, 16-17=-1458/3369, 15-16=-1542/3888, 14-15=-1390/3485, 13-14=-1378/3667, 12-13=-475/1298
WEBS 4-17=-38/107, 4-16=-182/480, 5-16=-28/109, 5-15=-373/353, 6-15=-212/480, 6-14=-1552/4104, 7-14=-108/223, 8-14=-1648/4130, 8-13=-2483/1126, 9-13=-316/920, 10-13=-343/831, 10-12=-2077/800

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Bearing at joint(s) 12, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 422 lb uplift at joint 12 and 587 lb uplift at joint 2.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061337

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T06	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:30 2006 Page 1

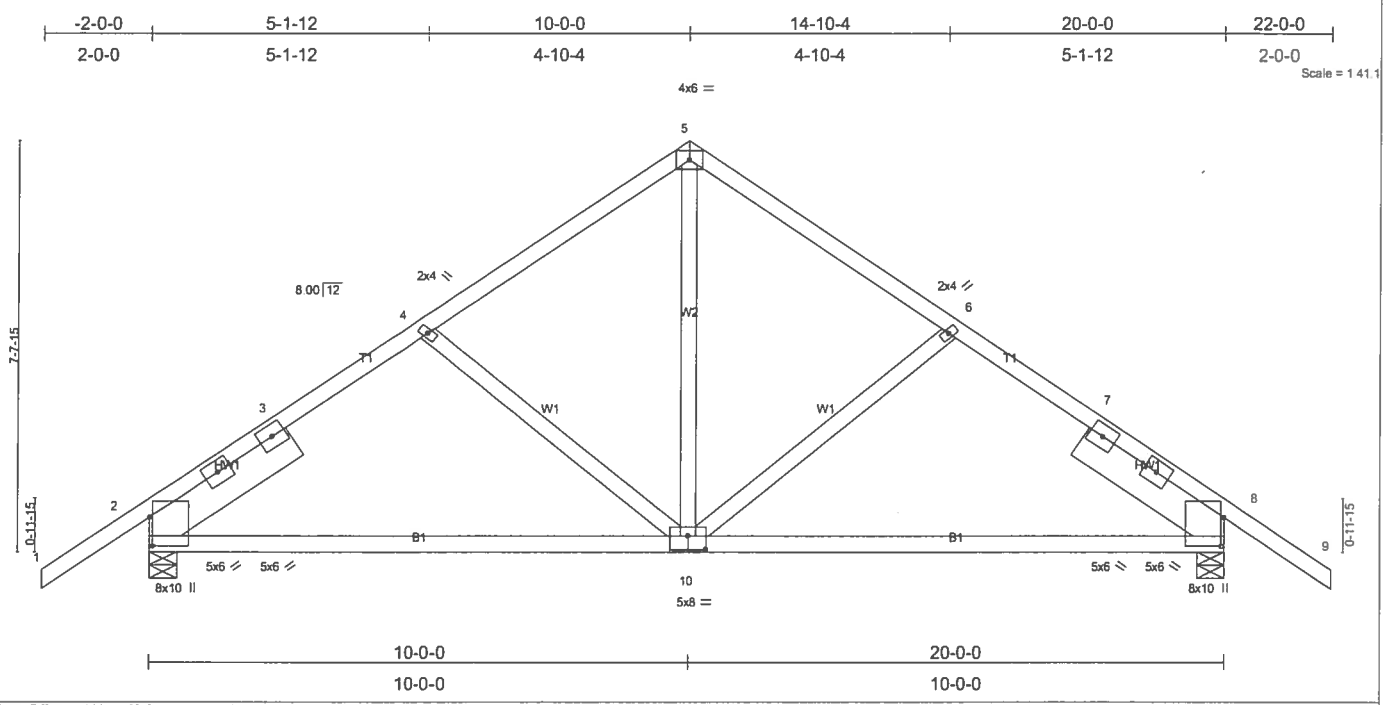


Plate Offsets (X,Y): [2:0-6-8,0-0-10], [8:0-6-8,0-0-10], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.12	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.21	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 3-2-9, Right 2 X 8 SYP No.1D 3-2-9

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

REACTIONS (lb/size) 2=948/0-6-0, 8=948/0-6-0
Max Horz 2=-258(load case 3)
Max Uplift2=-380(load case 5), 8=-380(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1012/351, 3-4=-926/373, 4-5=-798/340, 5-6=-798/340, 6-7=-926/373, 7-8=-1012/351, 8-9=0/34
BOT CHORD 2-10=-225/741, 8-10=-153/741
WEBS 4-10=-200/217, 5-10=-173/512, 6-10=-200/218

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 2 and 380 lb uplift at joint 8.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061338

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T06G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:31 2006 Page 1

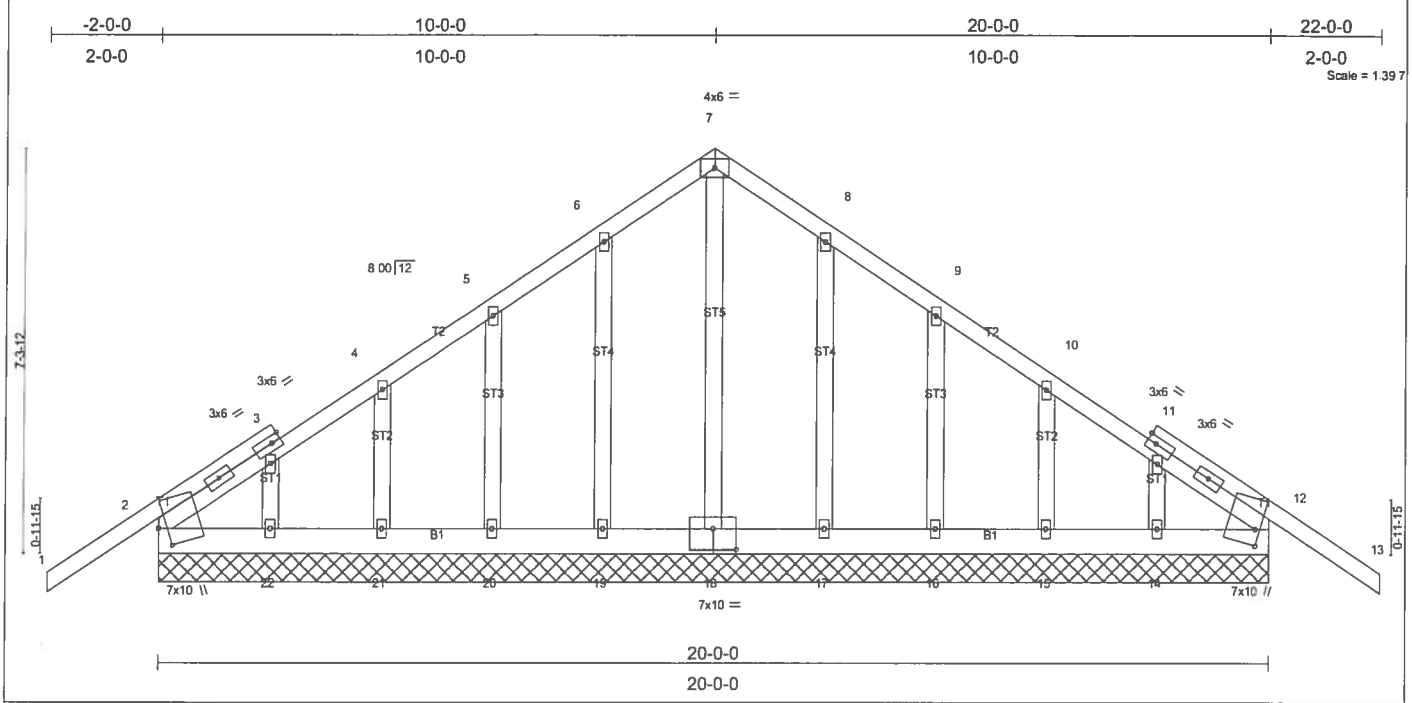


Plate Offsets (X,Y): [2:0-4-6,0-1-13], [12:0-3-8,0-1-0], [18:0-5-0,0-4-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.49	Vert(LL) -0.04 13 n/r 120	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Vert(TL) -0.05 13 n/r 90	
BCLL 10.0	Rep Stress Incr NO	WB 0.13	Horz(TL) 0.00 12 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 146 lb

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

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

REACTIONS (lb/size) 2=568/20-0-0, 12=568/20-0-0, 18=193/20-0-0, 19=290/20-0-0, 20=260/20-0-0, 21=381/20-0-0, 22=72/20-0-0, 17=290/20-0-0, 16=260/20-0-0, 15=381/20-0-0, 14=72/20-0-0
Max Horz 2=244(load case 4)
Max Uplift2=-235(load case 5), 12=-254(load case 6), 19=-146(load case 5), 20=-130(load case 5), 21=-225(load case 5), 22=-25(load case 4), 17=-144(load case 6), 16=-131(load case 6), 15=-223(load case 6), 14=-22(load case 3)
Max Grav 2=568(load case 1), 12=568(load case 1), 18=193(load case 1), 19=295(load case 9), 20=260(load case 1), 21=382(load case 9), 22=73(load case 9), 17=295(load case 10), 16=260(load case 1), 15=382(load case 10), 14=73(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-10/79, 2-3=-254/135, 3-4=-154/131, 4-5=-165/117, 5-6=-149/161, 6-7=-151/206, 7-8=-151/204, 8-9=-149/139, 9-10=-165/87, 10-11=-95/71, 11-12=-254/75, 12-13=-10/79
BOT CHORD 2-22=-50/176, 21-22=-50/176, 20-21=-50/176, 19-20=-50/176, 18-19=-50/176, 17-18=-50/176, 16-17=-50/176, 15-16=-50/176, 14-15=-50/176, 12-14=-50/176
WEBS 7-18=-133/0, 6-19=-236/158, 5-20=-199/141, 4-21=-325/239, 8-17=-236/156, 9-16=-199/142, 10-15=-325/237

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 2, 254 lb uplift at joint 12, 146 lb uplift at joint 19, 130 lb uplift at joint 20, 225 lb uplift at joint 21, 25 lb uplift at joint 22, 144 lb uplift at joint 17, 131 lb uplift at joint 16, 223 lb uplift at joint 15 and 22 lb uplift at joint 14.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-114(F=-60), 7-13=-114(F=-60), 2-12=-30

MAY 02, 2006 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.#0502061339

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T07	COMMON	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:32 2006 Page 1

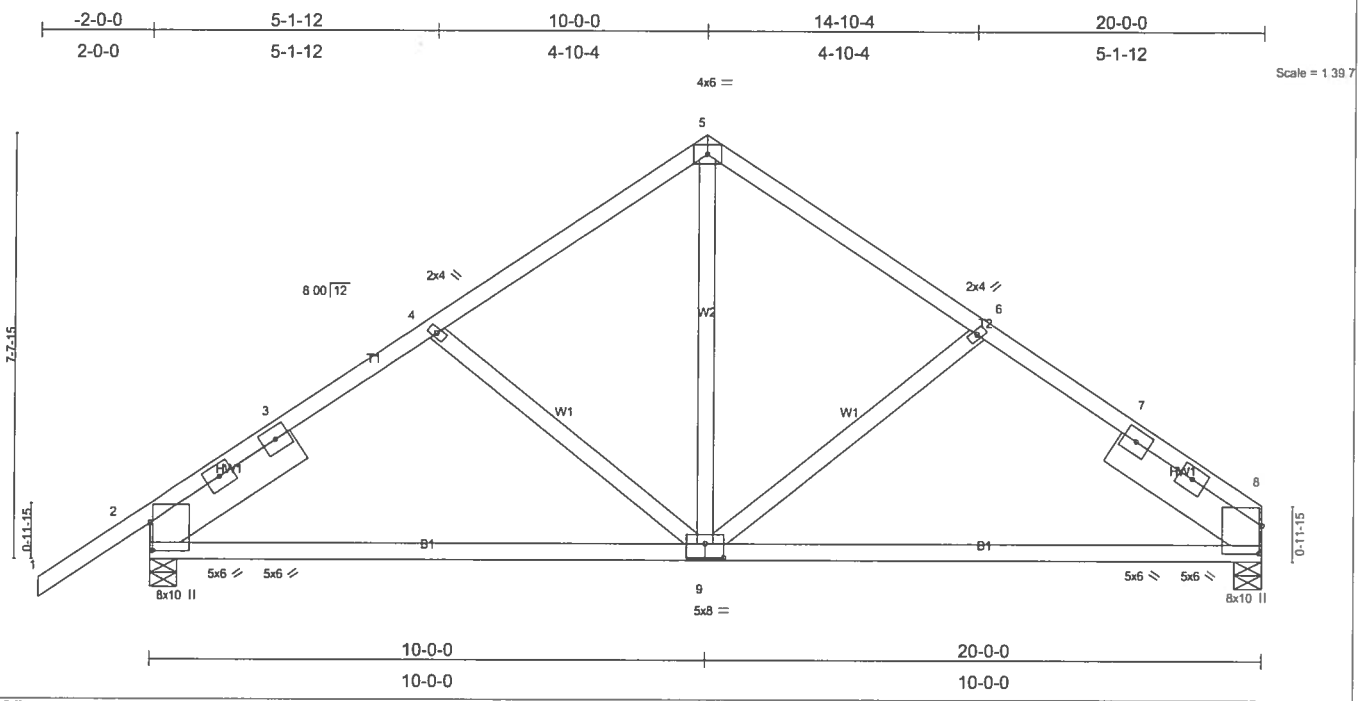


Plate Offsets (X,Y): [2:0-6-1,0-0-8], [8:0-6-1,0-0-8], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.13	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.22	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 118 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 3-2-9, Right 2 X 8 SYP No.1D 3-2-9

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) 8=835/0-6-0, 2=953/0-6-0
Max Horz 2=270(load case 4)
Max Uplift8=-261(load case 6), 2=-382(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1021/362, 3-4=-935/383, 4-5=-807/351, 5-6=-809/353, 6-7=-881/393, 7-8=-1026/374
BOT CHORD 2-9=-245/748, 8-9=-204/764
WEBS 4-9=-200/217, 5-9=-189/525, 6-9=-220/241

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint 8 and 382 lb uplift at joint 2.

LOAD CASE(S) Standard

MAY 02, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0502061340

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T08	SPECIAL	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:33 2006 Page 1

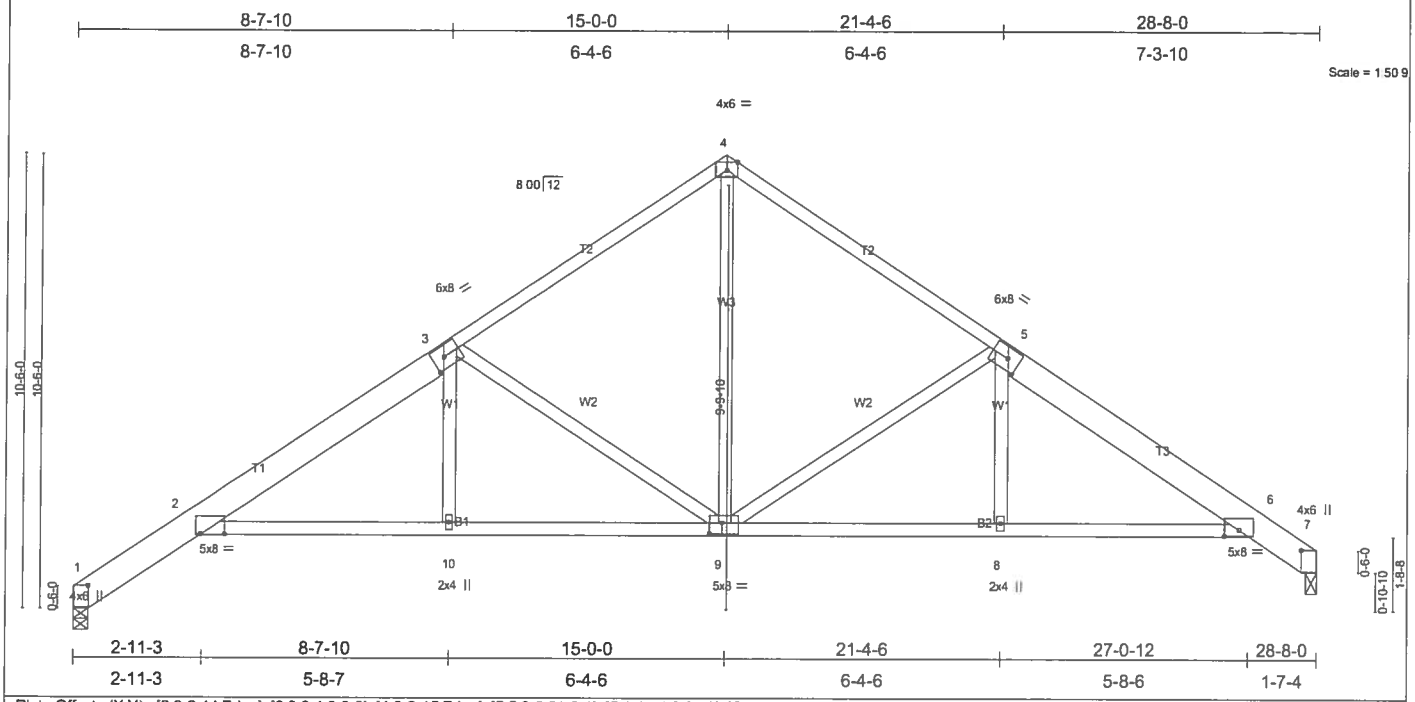

Plate Offsets (X,Y): [2:0-6-14,Edge], [3:0-3-4,0-3-0], [4:0-2-15,Edge], [5:5-3-8,21-2-1], [5:4-4-14,6-9-10], [5:0-3-4,0-3-0], [6:0-4-0,0-1-10], [9:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.42	2-10	>804	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.69	2-10	>495	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.48	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 8 SYP 2400F 2.0E, T3 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-4 oc bracing.

REACTIONS (lb/size) 1=1143/0-4-0, 7=1162/0-3-0
Max Horz 1=346(load case 4)
Max Uplift1=-377(load case 5), 7=-370(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-570/270, 2-3=-2034/710, 3-4=-1347/566, 4-5=-1334/561, 5-6=-1930/671, 6-7=-520/196
BOT CHORD 2-10=-629/1824, 9-10=-629/1834, 8-9=-470/1650, 6-8=-470/1641
WEBS 3-10=0/264, 3-9=-956/513, 4-9=-395/1066, 5-9=-744/405, 5-8=0/234

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 1 and 370 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061341

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T08G	SPECIAL	1	1	Job Reference (optional)

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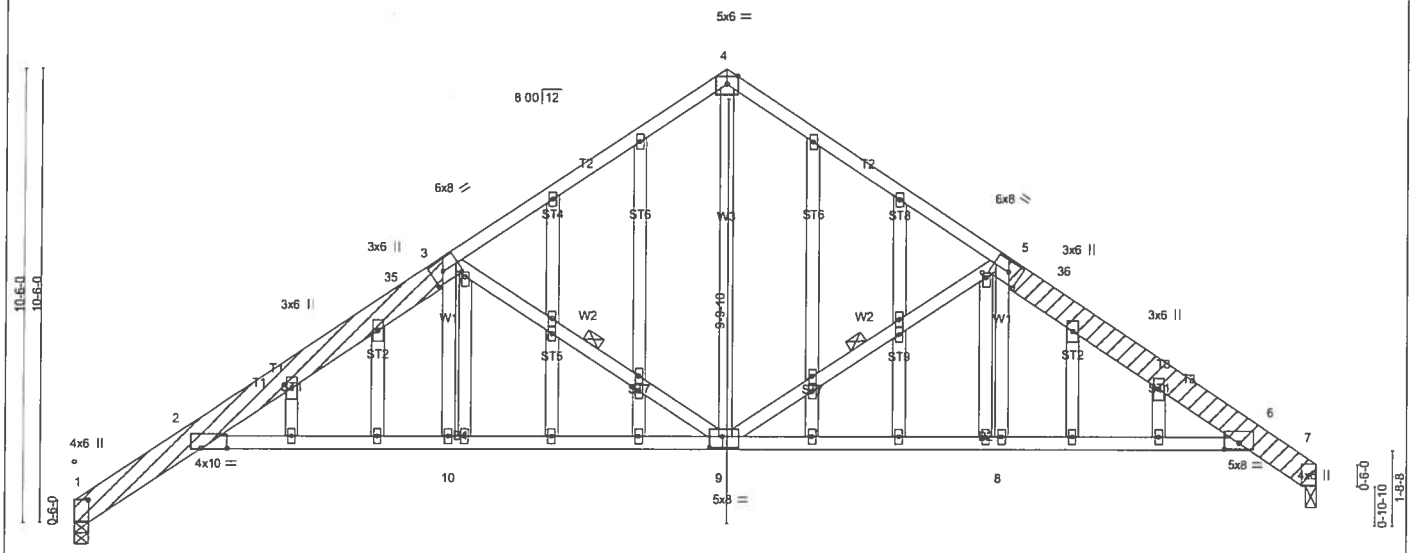
8-7-10 | 15-0-0 | 21-4-6 | 28-8-0
8-7-10 | 6-4-6 | 6-4-6 | 7-3-10

Scale = 1:50.9



2-11-3 | 8-7-10 | 15-0-0 | 21-4-6 | 27-0-12 | 28-8-0
2-11-3 | 5-8-7 | 6-4-6 | 6-4-6 | 5-8-6 | 1-7-4

Plate Offsets (X,Y): [2:0-3-13,2-10-13], [2:1-2-5,2-6-15], [2:0-7-6,Edge], [3:0-3-4,0-3-0], [5:0-3-4,0-3-0], [6:0-4-0,0-1-10], [9:0-3-8,0-3-0], [18:0-1-4,0-1-0], [30:0-1-5,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.42	2-10	>808	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.68	2-10	>500	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.49	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 283 lb	

LUMBER

TOP CHORD	2 X 8 SYP 2400F 2.0E *Except*
	T2 2 X 4 SYP No.2, T2 2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.1D
WEBS	2 X 4 SYP No.3
OTHERS	2 X 4 SYP No.3
LBR SCAB	1-3 2 X 8 SYP 2400F 2.0E one side
	5-7 2 X 8 SYP 2400F 2.0E one side

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-5-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-1-11 oc bracing.
WEBS	1 Row at midpt 3-9, 5-9

REACTIONS (lb/size) 1=1994/0-4-0, 7=2013/0-3-0
Max Horz 1=346(load case 4)
Max Uplift1=-698(load case 5), 7=-691(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-993/411, 2-35=-3474/1181, 3-35=-3155/1146, 3-4=-2350/883, 4-5=-2332/876, 5-36=-2995/1088, 6-36=-3313/1122, 6-7=-900/319
BOT CHORD	2-10=-1112/3106, 9-10=-1112/3115, 8-9=-871/2808, 6-8=-872/2799
WEBS	3-10=0/259, 3-9=-1592/753, 4-9=-603/1667, 5-9=-1238/593, 5-8=0/229

NOTES

1) Attached 10-5-12 scab 1 to 3, back face(s) 2 X 8 SYP 2400F 2.0E with 2 row(s) of 0.131"x3" Nails spaced 9" o.c.except : starting at 2-4-6 from end at joint 1, nail 2 row(s) at 4 o.c. for 2-0-0; starting at 8-3-1 from end at joint 1, nail 2 row(s) at 7 o.c. for 2-0-0.
2) Attached 8-10-9 scab 5 to 7, back face(s) 2 X 8 SYP 2400F 2.0E with 2 row(s) of 0.131"x3" Nails spaced 9" o.c.except : starting at 0-0-10 from end at joint 5, nail 2 row(s) at 7 o.c. for 2-0-0; starting at 5-9-10 from end at joint 5, nail 2 row(s) at 4 o.c. for 2-0-0.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone 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.
5) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 698 lb uplift at joint 1 and 691 lb uplift at joint 7.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

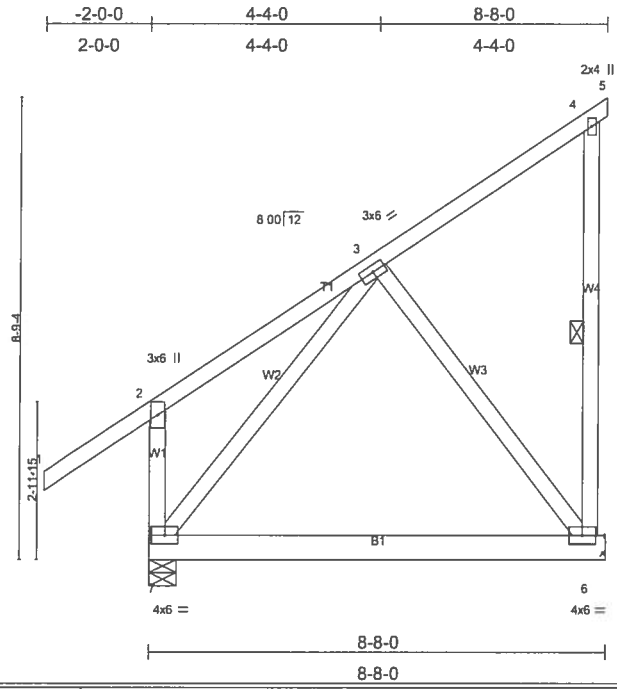
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-126(F=-60), 2-4=-114(F=-60), 4-6=-114(F=-60), 6-7=-125(F=-60), 2-6=-30

MAY 02, 2006 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.#0502061342

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T09	MONO TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:35 2006 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	0.34	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.07	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 6=335/Mechanical, 7=477/0-6-0
Max Horz 7=416(load case 5)
Max Uplift6=-331(load case 5), 7=-60(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/64, 2-3=-97/210, 3-4=-82/43, 4-5=-2/0, 4-6=-100/118, 2-7=-252/333
BOT CHORD 6-7=-191/99
WEBS 3-6=-144/305, 3-7=-281/19

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 331 lb uplift at joint 6 and 60 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 02, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0502061343

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T09G	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:50:50 2006 Page 1

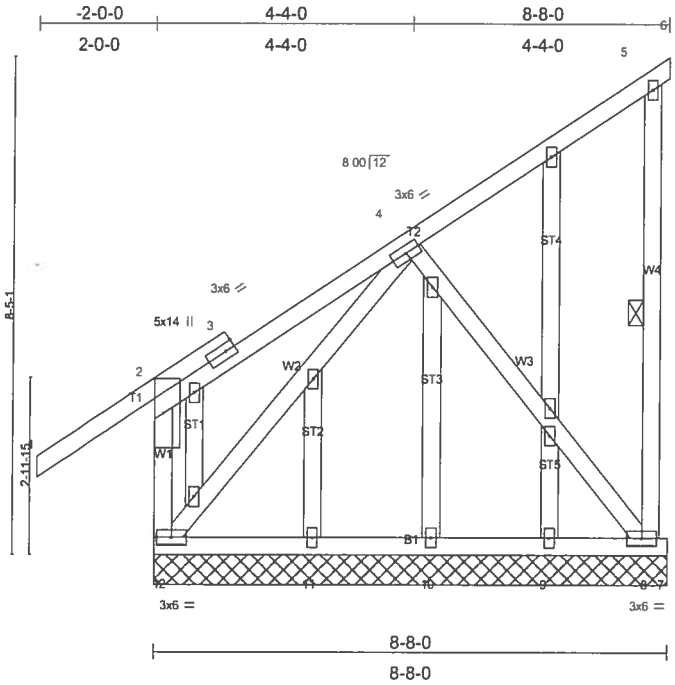

Plate Offsets (X,Y): [2:0-7-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.01	5-6	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.01	5-6	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	-0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-8

REACTIONS (lb/size) 2=500/8-8-0, 8=506/8-8-0, 12=283/8-8-0, 9=37/8-8-0, 10=61/8-8-0, 11=74/8-8-0
Max Horz 2=394(load case 5)
Max Uplift2=-168(load case 5), 8=-315(load case 5), 12=-194(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-17/124, 2-3=-300/37, 3-4=-323/118, 4-5=-158/104, 5-6=-12/3, 5-8=-226/171, 2-12=0/0
BOT CHORD 11-12=-118/196, 10-11=-118/196, 9-10=-118/196, 8-9=-118/196, 7-8=0/0
WEBS 4-8=-295/174, 4-12=-317/309

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 2, 315 lb uplift at joint 8 and 194 lb uplift at joint 12.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-114(F=-60), 2-5=-114(F=-60), 5-6=-74(F=-60), 7-12=-30

MAY 02, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0502061344

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T14	MONO TRUSS	1	1	Job Reference (optional)

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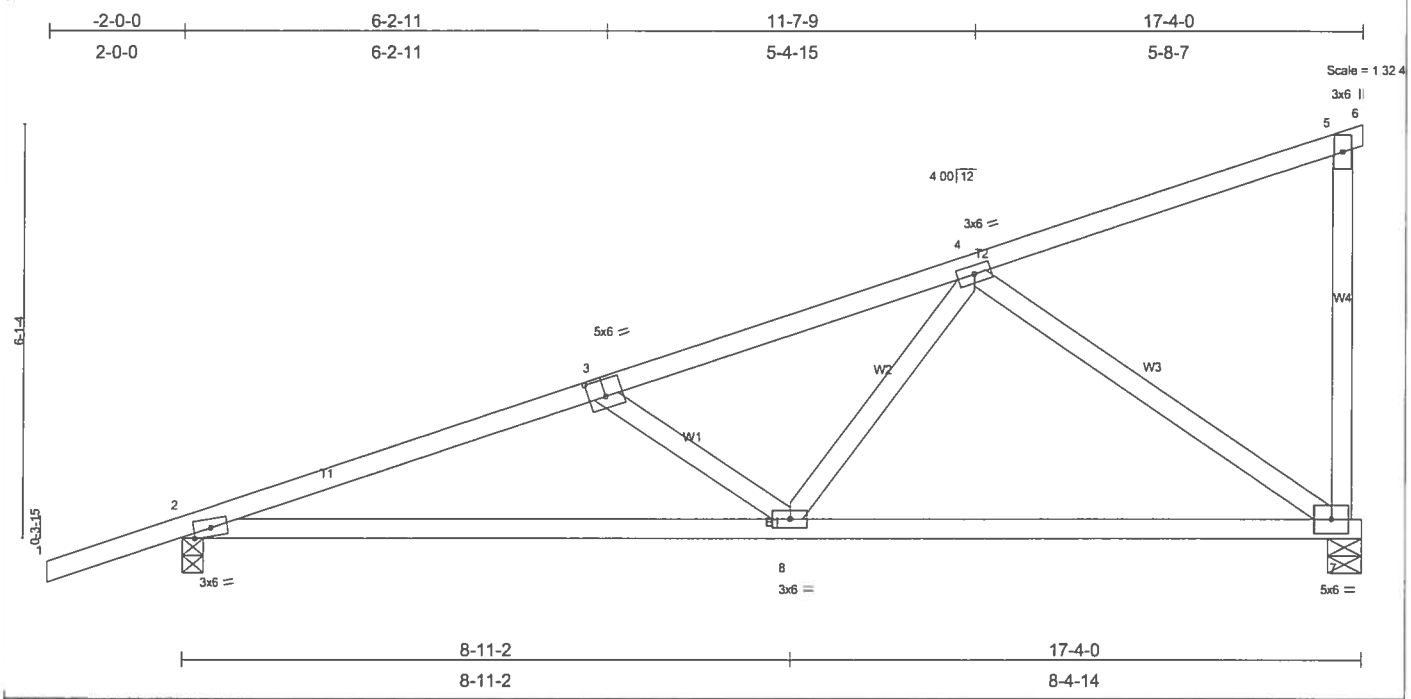

Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.36	2-8	>565	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	0.30	2-8	>684	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	-0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 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 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-6 oc bracing.

REACTIONS (lb/size) 7=706/0-6-0, 2=833/0-3-8
Max Horz 2=308(load case 3)
Max Uplift7=-526(load case 3), 2=-563(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1432/1392, 3-4=-1131/1214, 4-5=-84/9, 5-6=-1/0, 5-7=-132/112
BOT CHORD 2-8=-1554/1319, 7-8=-796/679
WEBS 3-8=-367/343, 4-8=-850/611, 4-7=-796/924

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 526 lb uplift at joint 7 and 563 lb uplift at joint 2.

LOAD CASE(S) Standard

MAY 02, 2006 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.#0502061345

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T14G	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:36 2006 Page 1

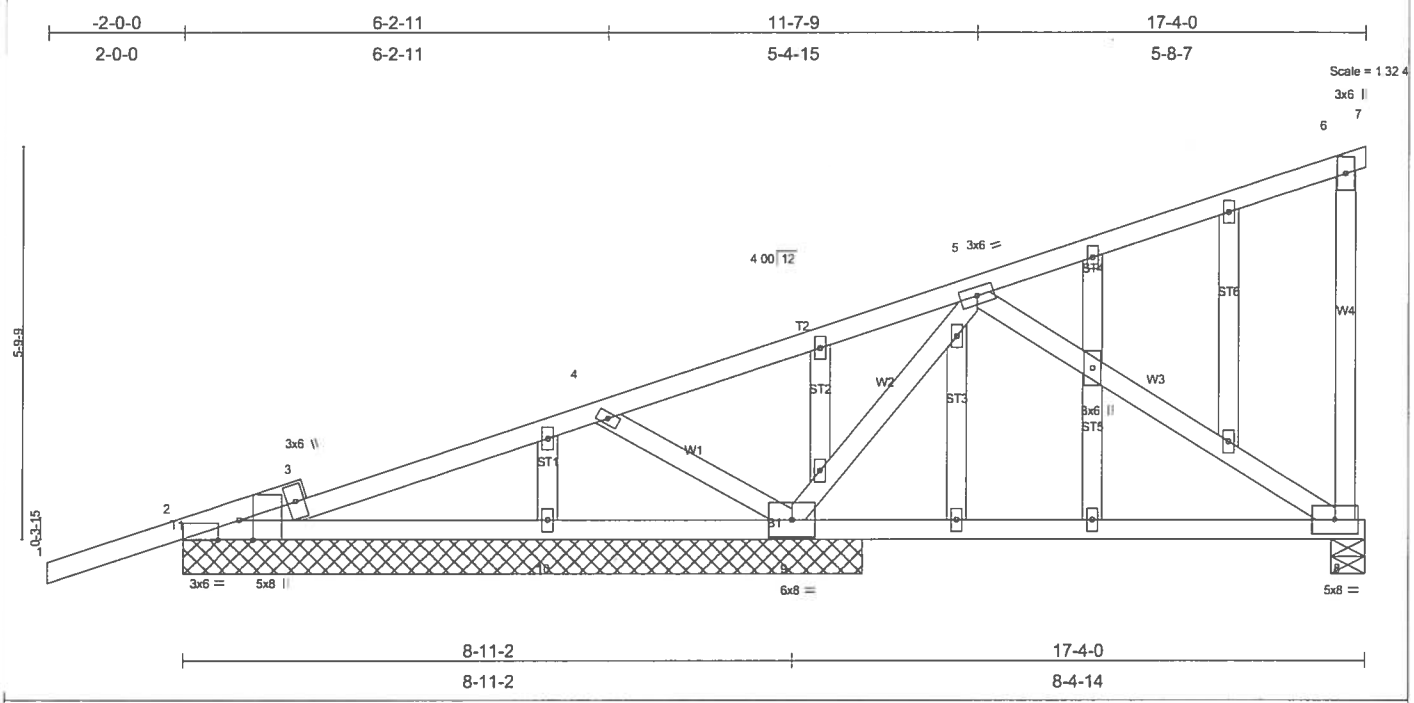

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-3-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	0.26	8-9	>382	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	0.22	8-9	>447	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.45	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 106 lb	

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

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

REACTIONS (lb/size) 2=622/9-11-8, 8=369/0-6-0, 9=1566/9-11-8, 10=146/9-11-8
Max Horz 2=294(load case 3)
Max Uplift2=-305(load case 3), 8=-277(load case 3), 9=-769(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-36/69, 2-3=-104/0, 3-4=-123/107, 4-5=-761/852, 5-6=-164/90, 6-7=-7/6, 6-8=-284/283
BOT CHORD 2-10=-170/4, 9-10=-170/4, 8-9=-105/0
WEBS 4-9=-837/821, 5-9=-1183/1061, 5-8=0/69

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 2, 277 lb uplift at joint 8 and 769 lb uplift at joint 9.
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=-114(F=-60), 6-7=-74(F=-60), 2-8=-30

MAY 02, 2006 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.#0502061346

Job	Truss	Truss Type	Qty	Ply	SPARKS LYN & LYNNETTE BURKS RES.
L159830	T15	SPECIAL	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Apr 21 10:49:37 2006 Page 1

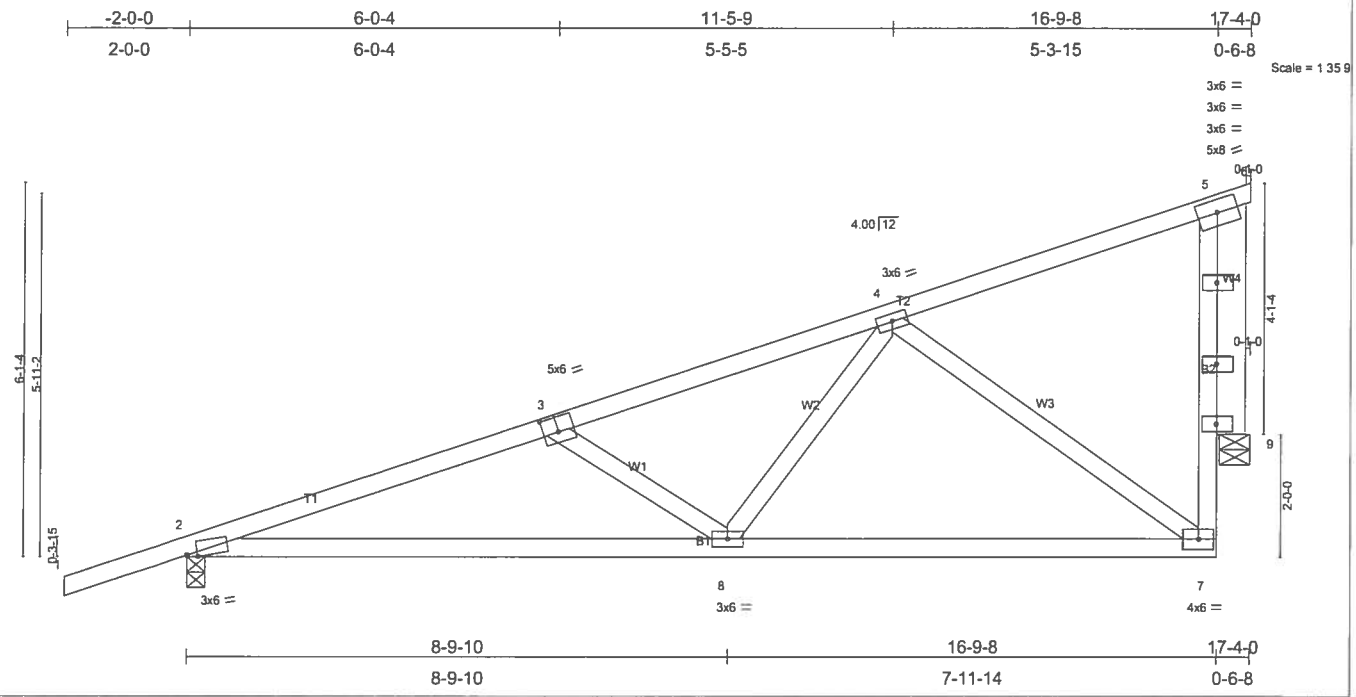

Plate Offsets (X,Y): [2:0-2-1,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.34	2-8	>583	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	0.28	2-8	>705	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-8 oc bracing.

REACTIONS (lb/size) 2=816/0-3-8, 9=723/0-6-0
Max Horz 2=308(load case 3)
Max Uplift2=-551(load case 3), 9=-530(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-1395/1333, 3-4=-1087/1147, 4-5=-81/10, 5-6=-9/0, 7-9=-713/559, 5-9=-163/162
BOT CHORD 2-8=-1511/1285, 7-8=-758/646
WEBS 4-7=-761/887, 3-8=-371/347, 4-8=-828/596

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 551 lb uplift at joint 2 and 530 lb uplift at joint 9.

LOAD CASE(S) Standard

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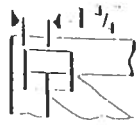
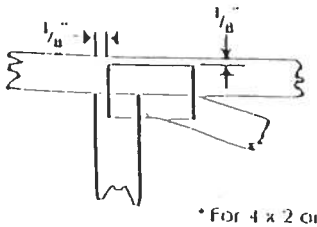
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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

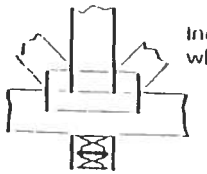
4 X 4

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

LATERAL BRACING

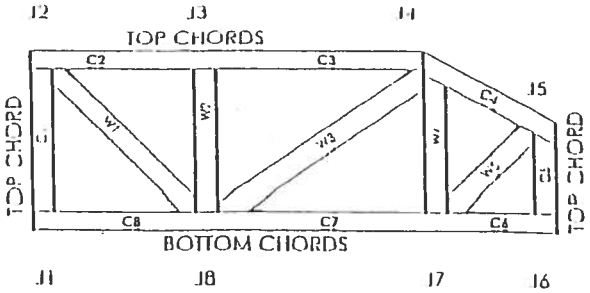
Indicates location of required continuous lateral bracing.

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

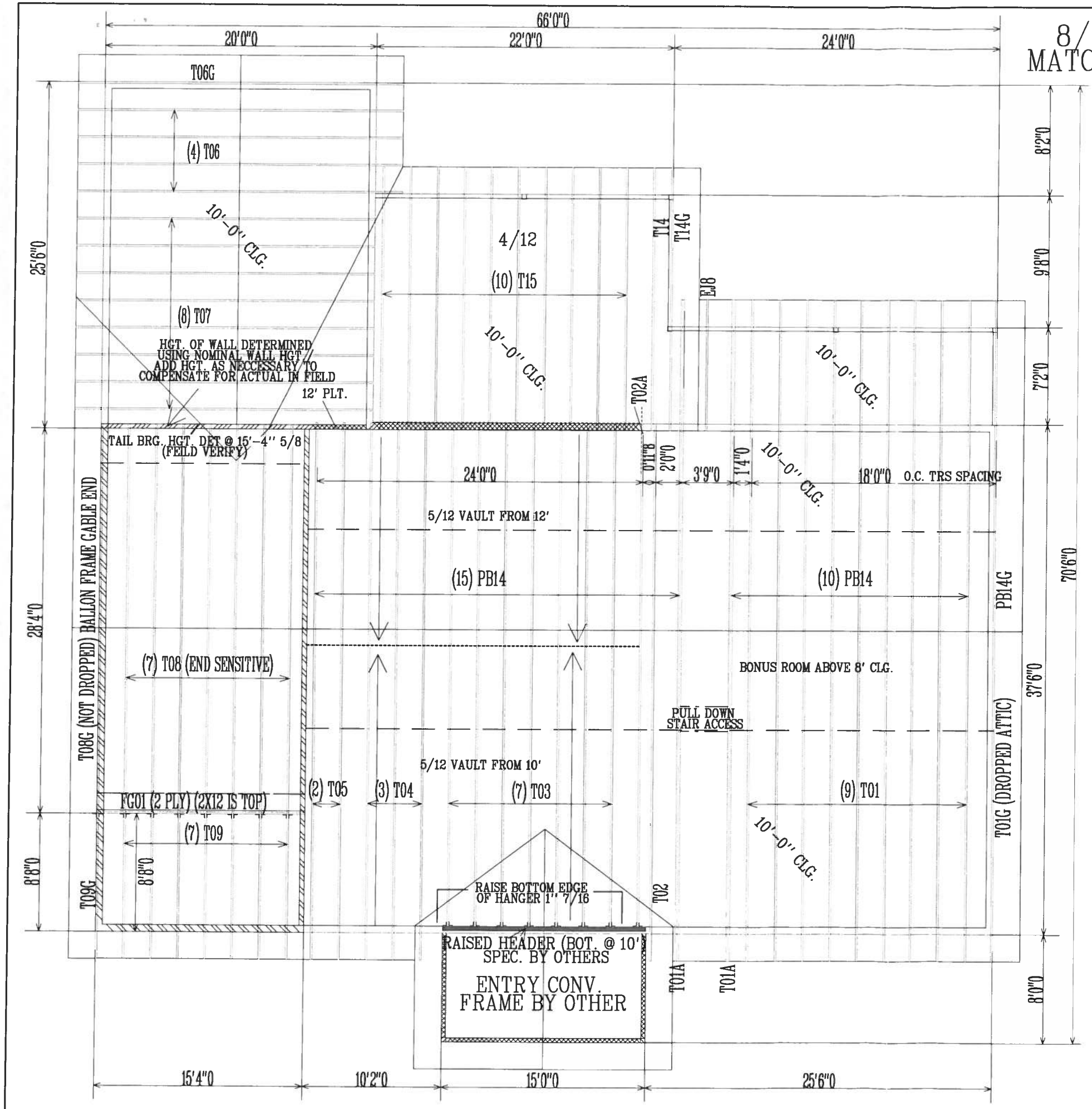
MiTek® TEE-LOK®

HiTek Engineering Reference Sheet: MII-7473

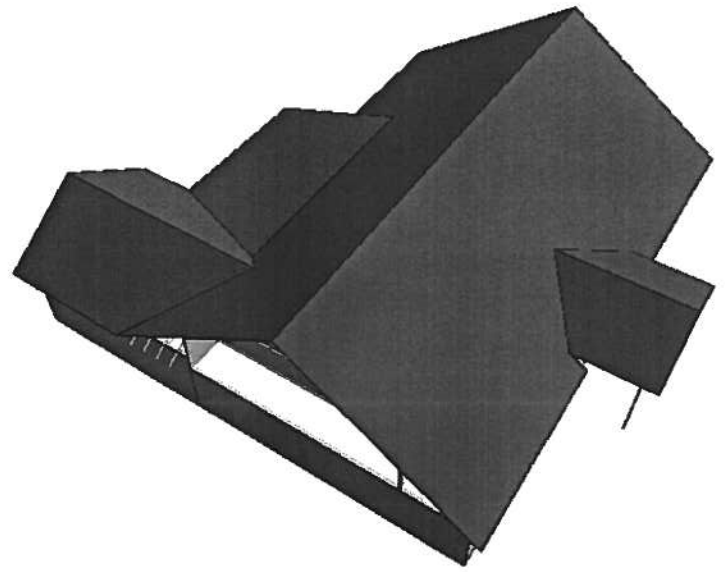
General Safety Notes

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.



8/12 HEELS HAVE BEEN RAISED TO MATCH 4/12 SOFFIT W/ 24'' OVERHANG



SEE ADDITIONAL LAYOUT FOR FLOOR / LOFT

HANGER SCHEDULE

(15) HTU26

BEARING HEIGHT SCHEDULE

	10'-0"
	8'-0"
	12'-0"
	SPECIAL (SEE NOTE)

OVERHANG	2'-0"
ROOF PITCH	8/12
PORCH REAR	4/12

NOTES:

1) REFER TO HB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date _____

Approved By: _____ Date: _____

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

BUILDER: SPARKS		
LEGAL ADDRESS: LYN & LYNNETTE BURKS RES.		
MODEL: CUSTOM		REVISION: SCALE: NTS
DATE: 4/21/06	DRAWN BY: BPC	JOB #: L159830