

DATE 06/10/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027075

APPLICANT PATRICK WILSON PHONE 352 206-5459
ADDRESS 6800 SOUTHPOINT PARKWAY JACKSONVILLE FL 32216
OWNER MARONDA HOMES PHONE 904 296-1490
ADDRESS 204 SW TIMBER RIDGE DR LAKE CITY FL 32024
CONTRACTOR THEODORE BROCK PHONE 407 227-3504
LOCATION OF PROPERTY 90W. TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE DR,
1ST LOT ON LEFT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 227750.00
HEATED FLOOR AREA 3901.00 TOTAL AREA 4555.00 HEIGHT STORIES 2
FOUNDATION CONC WALLS FRAMED ROOF PITCH 12/6 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02856-123 SUBDIVISION TIMBERLANDS
LOT 23 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001607 CRC1326913
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-377 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PER PLAT MFE @ 96', AN ELEVATION CONFIRMATION LETTER IS
REQUIRED AT SLAB,

Check # or Cash 902692

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Rough-in plumbing above slab and below wood floor
date/app. by date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. by
Reconnection Pump pole Utility Pole
date/app. by date/app. by date/app. by
M/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 1140.00 CERTIFICATION FEE \$ 22.78 SURCHARGE FEE \$ 22.78
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1285.56
INSPECTORS OFFICE CLERKS OFFICE

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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Columbia County Building Permit Application

For Office Use Only Application # 0805-30 Date Received 5/16 By JW Permit # 1607/27075
 Zoning Official BK Date 21.05.08 Flood Zone X Post FEMA Map # N/A Zoning RSF-2
 Land Use Res. Low Den Elevation N/A MFE 96 ft. River N/A Plans Examiner OKJTH Date 5-20-08
 Comments Postplot Elevation Confirmation Required at Slab
☒ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0377 PATRICK Wilson - 352.206.5455 Fax (904)-332-6367
 Name Authorized Person Signing Permit Theodore C. Brock Phone (904)-296-1490
 Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216
 Owners Name Maronda Homes Inc. of Florida Phone (904)-296-1490
 911 Address 204 SW Timber Ridge Dr, LAKE CITY, FL 32024
 Contractors Name Theodore C. Brock Phone (407)-227-3504
 Address 6800 Southpoint Pkwy. #300 Jacksonville, FL 32216

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Tomas Ponce 4005 Maronda Way Sanford, FL 32771

Mortgage Lenders Name & Address Bank of America 250 Park Ave. S. #400 Winter Park, FL 32789

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

Property ID Number 10-45-10-02850-123 Estimated Cost of Construction \$141,918.00
 Subdivision Name Timberlands Lot 23 Block Unit Phase 1
 Driving Directions Hwy 90, Left on 247 South; Right on 252B; Left on Timber Ridge, 1st house on Left.

Number of Existing Dwellings on Property 0
 Construction of Residential Single Family Dwelling Total Acreage .50 Lot Size .50
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height
 Actual Distance of Structure from Property Lines - Front 25' 50 Side 10' 38 Side 10' 38 Rear 15' 73.5
 Number of Stories 2 Heated Floor Area 3901 Total Floor Area 4555 Roof Pitch 12/6

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.

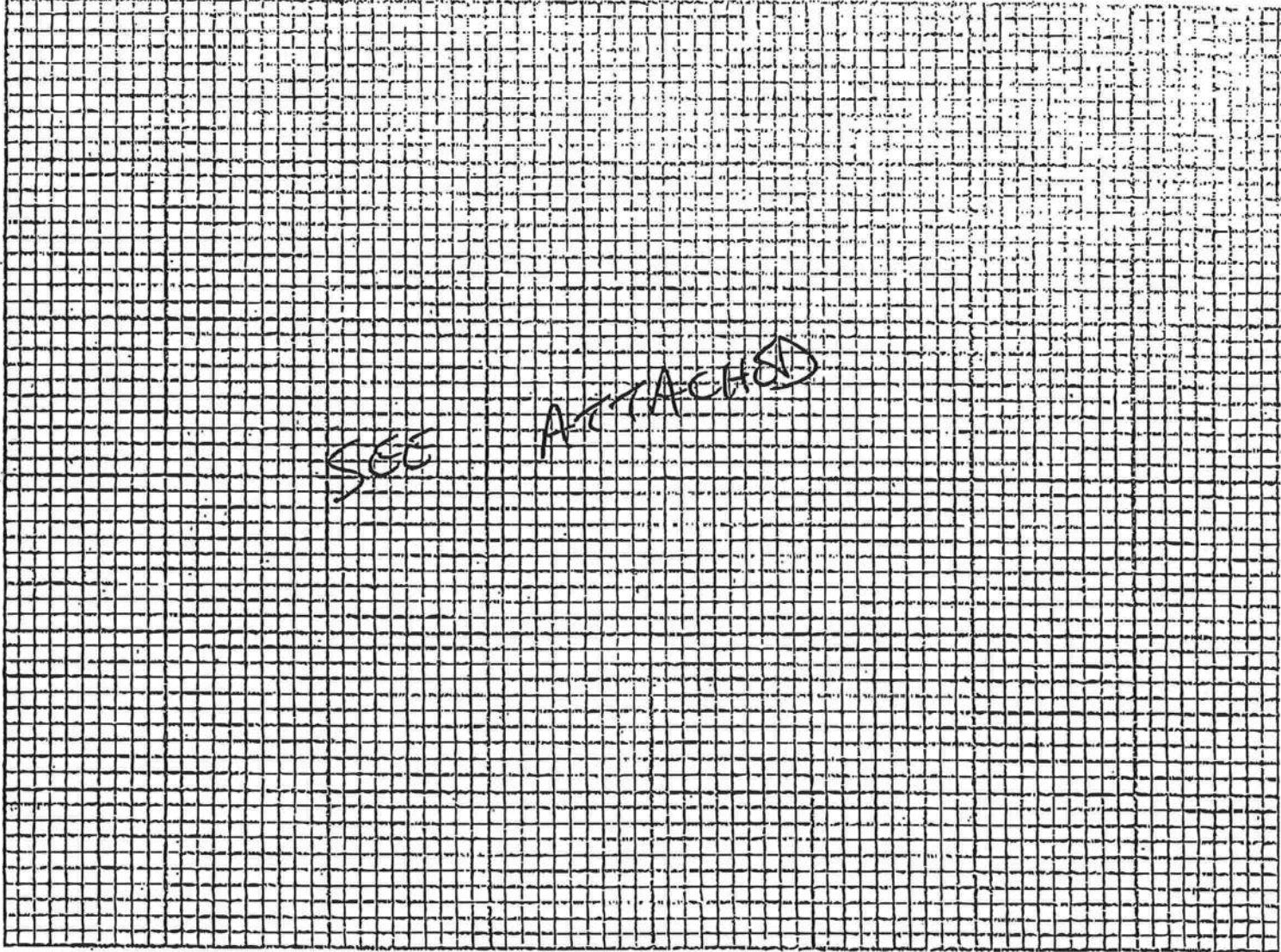
STATE OF FLORIDA
DEPARTMENT OF HEALTH*Mayanda
Dones*

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0377

----- PART II - SITE PLAN -----

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



Notes: _____

Site Plan submitted by: *Patricia Wilson* 5/15

AGENT

Plan Approved ☒

APPROVED

Signature

Not Approved

Columbia CHD

Title

Date

5/15/8By *[Signature]*

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

08-0377

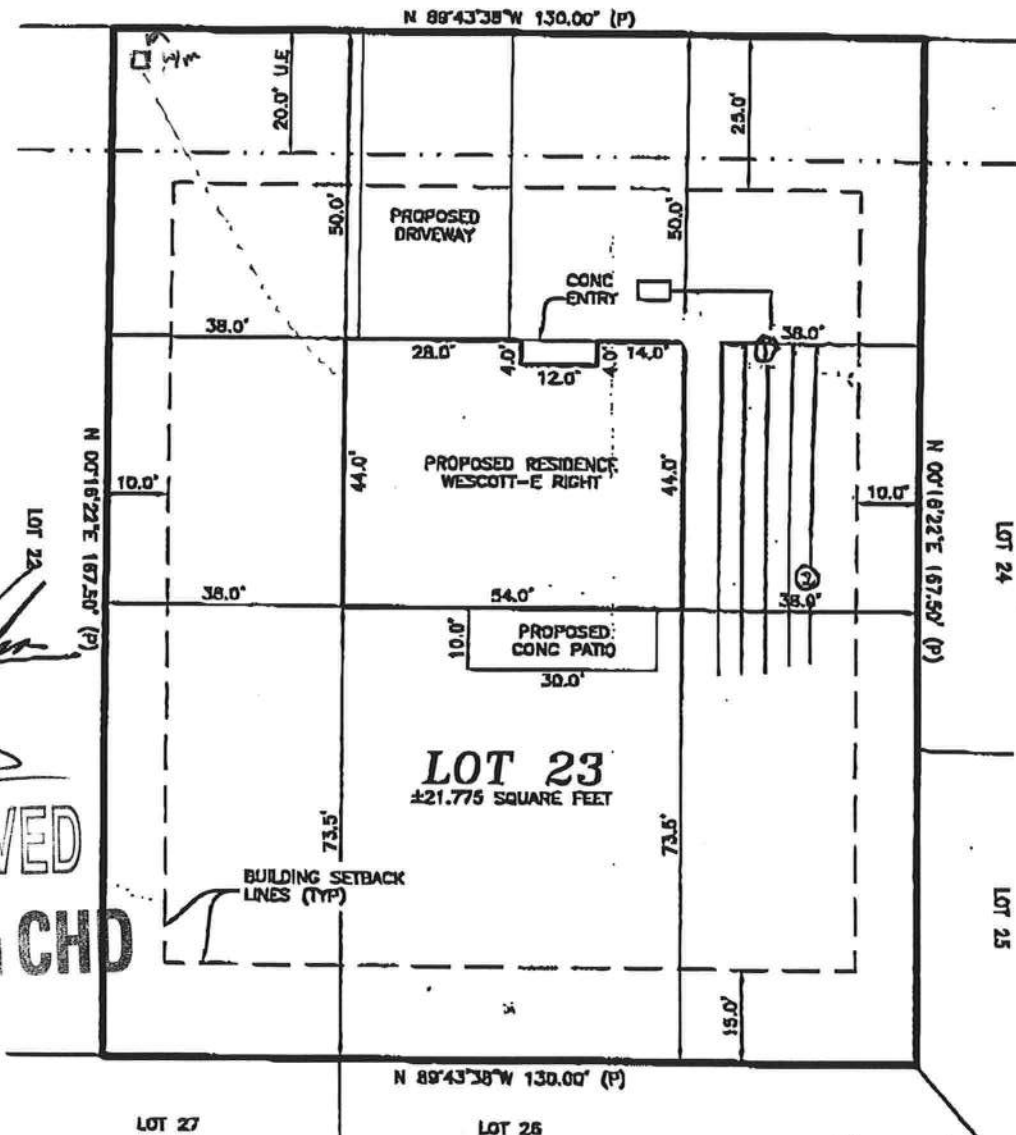


PROPOSED BUILDING LAYOUT

IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE
16 EAST, COLUMBIA COUNTY, FLORIDA

S.W. TIMBER RIDGE DRIVE

60' RIGHT-OF-WAY



REVISSED 5/14/8

Patricia Wilson
5/15
Patricia Wilson

5/15/8 APPROVED

Columbia CHD

FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0173-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

TITLE NOTE:

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS SURVEYOR HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS ON THIS PARCEL FOR ANY CLAIMS OF TITLE, EASEMENTS, OR RESTRICTIONS THAT MAY EFFECT THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH CLAIMS ARE NOT CERTIFIED HEREIN.

1" = 30'

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

23/1 TM

Project Name: WESTSCOTT GAINESVILLE	Builder: MARONDA HOMES
Address: 204 SW Timber Ridge Dr.	Permitting Office: Columbia
City, State: Lake City, FL 32005	Permit Number: 22095
Owner: ELECTRIC	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: 33.8 kBtu/hr ☐
3. Number of units, if multi-family 1 ☐	SEER: 13.00 ☐
4. Number of Bedrooms 5 ☐	b. Central Unit Cap: 47.5 kBtu/hr ☐
5. Is this a worst case? Yes ☐	SEER: 13.00 ☐
6. Conditioned floor area (ft ²) 3901 ft² ☐	c. N/A ☐
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	13. Heating systems
a. U-factor: Description Area	a. Electric Heat Pump Cap: 33.8 kBtu/hr ☐
(or Single or Double DEFAULT) 7a(Sngle Default) 382.0 ft² ☐	HSPF: 7.80 ☐
b. SHGC:	b. Electric Heat Pump Cap: 47.5 kBtu/hr ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 382.0 ft² ☐	HSPF: 8.00 ☐
8. Floor types	c. N/A ☐
a. Slab-On-Grade Edge Insulation R=0.0, 194.0(p) ft ☐	14. Hot water systems
b. Raised Wood, Adjacent R=13.0, 600.0ft² ☐	a. Electric Resistance Cap: 50.0 gallons ☐
c. N/A ☐	EF: 0.90 ☐
9. Wall types	b. N/A ☐
a. Concrete, Int Insul, Exterior R=4.1, 943.0 ft² ☐	c. Conservation credits
b. Frame, Wood, Exterior R=13.0, 1395.0 ft² ☐	(HR-Heat recovery, Solar
c. Frame, Wood, Adjacent R=13.0, 374.0 ft² ☐	DHP-Dedicated heat pump)
d. N/A ☐	15. HVAC credits
e. N/A ☐	(CF-Ceiling fan, CV-Cross ventilation,
10. Ceiling types	HF-Whole house fan,
a. Under Attic R=19.0, 2230.0 ft² ☐	PT-Programmable Thermostat,
b. N/A ☐	MZ-C-Multizone cooling,
c. N/A ☐	MZ-H-Multizone heating)
11. Ducts	
a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft ☐	
b. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft ☐	

Glass/Floor Area: 0.10

Total as-built points: 44903

Total base points: 46030

PASS

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

PREPARED BY: Roger RedentiusDATE: 04/04/08

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: Melissa McKagueDATE: 04/04/08

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: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	3901.0	18.59	13054.0	1.Single, Clear	E	1.0	13.0	10.0	47.92	1.00	477.0
				2.Single, Clear	E	1.0	17.0	40.0	47.92	1.00	1910.0
				3.Single, Clear	E	1.0	15.0	30.0	47.92	1.00	1432.0
				4.Single, Clear	E	1.0	15.0	32.0	47.92	1.00	1527.0
				5.Single, Clear	W	1.0	16.0	32.0	43.84	1.00	1398.0
				6.Single, Clear	W	2.0	14.0	10.0	43.84	0.98	431.0
				7.Single, Clear	E	1.0	6.0	32.0	47.92	0.97	1484.0
				8.Single, Clear	N	1.0	6.0	16.0	21.73	0.97	338.0
				9.Single, Clear	W	1.0	6.0	32.0	43.84	0.97	1358.0
				10.Single, Clear	W	2.0	7.0	36.0	43.84	0.88	1394.0
				11.Single, Clear	E	1.0	6.0	32.0	47.92	0.97	1484.0
				12.Single, Clear	E	1.0	6.0	16.0	47.92	0.97	742.0
				13.Single, Clear	S	1.0	6.0	16.0	40.81	0.94	614.0
				14.Single, Clear	W	1.0	6.0	48.0	43.84	0.97	2038.0
				As-Built Total:		382.0			16627.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	374.0	0.70	261.8	1. Concrete, Int Insul, Exterior	4.1		943.0	1.13		1070.3	
Exterior	2338.0	1.70	3974.6	2. Frame, Wood, Exterior	13.0		1395.0	1.50		2092.5	
				3. Frame, Wood, Adjacent	13.0		374.0	0.60		224.4	
Base Total:	2712.0		4236.4	As-Built Total:		2712.0		3387.2			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	6.10	122.0	2.Adjacent Wood			18.0	2.40		43.2	
Base Total:	38.0		165.2	As-Built Total:		38.0		125.2			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2186.0	1.73	3781.8	1. Under Attic	19.0		2230.0	2.34 X 1.00		5218.2	
Base Total:	2186.0		3781.8	As-Built Total:		2230.0		5218.2			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	194.0(p)	-37.0	-7178.0	1. Slab-On-Grade Edge Insulation	0.0		194.0(p)	-41.20		-7992.8	
Raised	600.0	-3.99	-2394.0	2. Raised Wood, Adjacent	13.0		600.0	0.63		375.0	
Base Total:			-9572.0	As-Built Total:		794.0		-7617.8			

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
3901.0 10.21 39829.2				3901.0 10.21 39829.2			
Summer Base Points: 51494.6				Summer As-Built Points: 57569.0			
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points
				(sys 1: Central Unit 33800btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)			
				57569	0.42	(1.08 x 1.147 x 0.86)	0.260 1.000 6670.3
				(sys 2: Central Unit 47500btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)			
				57569	0.58	(1.08 x 1.147 x 0.86)	0.260 1.000 9373.9
51494.6	0.3250		16735.7	57569.0	1.00	1.072	0.263 1.000 16200.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3901.0	20.17	14163.0	1.Single, Clear	E	1.0	13.0	10.0	26.41	1.00	265.0
				2.Single, Clear	E	1.0	17.0	40.0	26.41	1.00	1060.0
				3.Single, Clear	E	1.0	15.0	30.0	26.41	1.00	795.0
				4.Single, Clear	E	1.0	15.0	32.0	26.41	1.00	848.0
				5.Single, Clear	W	1.0	16.0	32.0	28.84	1.00	923.0
				6.Single, Clear	W	2.0	14.0	10.0	28.84	1.00	289.0
				7.Single, Clear	E	1.0	6.0	32.0	26.41	1.02	858.0
				8.Single, Clear	N	1.0	6.0	16.0	33.22	1.00	531.0
				9.Single, Clear	W	1.0	6.0	32.0	28.84	1.01	930.0
				10.Single, Clear	W	2.0	7.0	36.0	28.84	1.03	1071.0
				11.Single, Clear	E	1.0	6.0	32.0	26.41	1.02	858.0
				12.Single, Clear	E	1.0	6.0	16.0	26.41	1.02	429.0
				13.Single, Clear	S	1.0	6.0	16.0	20.24	1.03	332.0
				14.Single, Clear	W	1.0	6.0	48.0	28.84	1.01	1395.0
				As-Built Total:				382.0	10584.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	374.0	3.60	1346.4	1. Concrete, Int Insul, Exterior	4.1		943.0	6.42		6054.1	
Exterior	2338.0	3.70	8650.6	2. Frame, Wood, Exterior	13.0		1395.0	3.40		4743.0	
				3. Frame, Wood, Adjacent	13.0		374.0	3.30		1234.2	
Base Total:	2712.0		9997.0	As-Built Total:		2712.0		12031.3			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	18.0	11.50	207.0	1.Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Wood			18.0	11.50		207.0	
Base Total:	38.0		453.0	As-Built Total:		38.0		375.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2186.0	2.05	4481.3	1. Under Attic	19.0		2230.0	2.70 X 1.00		6021.0	
Base Total:	2186.0		4481.3	As-Built Total:		2230.0		6021.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	194.0(p)	8.9	1726.6	1. Slab-On-Grade Edge Insulation	0.0		194.0(p)	18.80		3647.2	
Raised	600.0	0.96	576.0	2. Raised Wood, Adjacent	13.0		600.0	3.25		1950.0	
Base Total:			2302.6	As-Built Total:		794.0		5597.2			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
3901.0 -0.59 -2301.6				3901.0 -0.59 -2301.6			
Winter Base Points:		29095.3		Winter As-Built Points:		32306.9	
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
29095.3	0.5540	16118.8		(sys 1: Electric Heat Pump 33800 btuh ,EFF(7.8) Ducts:Unc(S),Con(R),Int(AH),R6.0 32306.9 0.416 (1.060 x 1.169 x 0.88)0.437 1.000 6428.5 (sys 2: Electric Heat Pump 47500 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0 32306.9 0.584 (1.060 x 1.169 x 0.88)0.426 1.000 8808.2 32306.9 1.00 1.095 0.431 1.000 15234.3			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
5		2635.00		13175.0	50.0	0.90	5	1.00	2693.56
									1.00
									13467.8
				As-Built Total:					13467.8

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
16736		16119		13175		46030	16201		15234
									13468
									44903

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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* = 85.3

The higher the score, the more efficient the home.

ELECTRIC, , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.8 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	5	b. Central Unit	Cap: 47.5 kBtu/hr
5. Is this a worst case?	Yes		SEER: 13.00
6. Conditioned floor area (ft ²)	3901 ft ²	c. N/A	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 33.8 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 382.0 ft ²		HSPF: 7.80
b. SHGC:		b. Electric Heat Pump	Cap: 47.5 kBtu/hr
(or Clear or Tint DEFAULT)	7b. (Clear) 382.0 ft ²		HSPF: 8.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 194.0(p) ft	14. Hot water systems	
b. Raised Wood, Adjacent	R=13.0, 600.0ft ²	a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=4.1, 943.0 ft ²	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 1395.0 ft ²	(HR-Heat recovery, Solar	
c. Frame, Wood, Adjacent	R=13.0, 374.0 ft ²	DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=19.0, 2230.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft			
b. Sup: Unc. Ret: Con. AH(Sealed):Interior Sup. R=6.0, 150.0 ft			

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: Melissa M. Kneipe

Date: 04/09/08

Address of New Home: 204 SW Timber Ridge Dr City/FL Zip: Lake City, FL 32005



*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 EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5)



Project Summary
Entire House
MARONDA HOMES

Job: WESTCOTT 1ST FLOOR...
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: WESTCOTT 1ST FLOOR 13

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	26302 Btuh
Ducts	2809 Btuh
Central vent (100 cfm)	4048 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	33159 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17668 Btuh
Ducts	6067 Btuh
Central vent (100 cfm)	1860 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	24827 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft²)	1722	1722
Volume (ft³)	13776	13776
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	87	46

Latent Cooling Equipment Load Sizing

Structure	3214 Btuh
Ducts	1365 Btuh
Central vent (100 cfm)	3516 Btuh
Equipment latent load	8095 Btuh
Equipment total load	32922 Btuh
Req. total capacity at 0.78 SHR	2.7 ton

Heating Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Model	N4H336AKA
Efficiency	8.2 HSPF
Heating input	0 Btuh @ 47°F
Heating output	0 °F
Temperature rise	0 cfm
Actual air flow	0.000 cfm/Btuh
Air flow factor	0.60 in H2O
Static pressure	
Space thermostat	

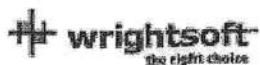
Cooling Equipment Summary

Make	TEMPSTAR
Trade	HEAT PUMP
Cond	N4H336AKA
Coil	FSM4X3600A
Efficiency	13 SEER
Sensible cooling	26676 Btuh
Latent cooling	7524 Btuh
Total cooling	34200 Btuh
Actual air flow	935 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.76

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.





Building Analysis Entire House MARONDA HOMES

Job: WESTCOTT 1ST FLOOR...
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

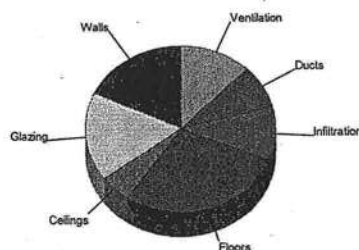
For: WESTCOTT 1ST FLOOR 13

Design Conditions

Location: Gainesville, FL, US Elevation: 151 ft Latitude: 30°N		Indoor: Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)		Heating 70 37 30 10.6	Cooling 75 17 50 52.0
Outdoor: Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)		Heating 33 - - 15.0	Cooling 92 19 (M) 77 7.5	Infiltration: Method Construction quality Fireplaces	
				Simplified Average 0	

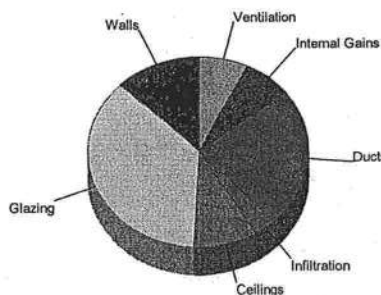
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.3	5949	17.9
Glazing	47.0	5733	17.3
Doors	0.0	0	0.0
Ceilings	1.8	1693	5.1
Floors	8.5	9396	28.3
Infiltration	2.4	3532	10.7
Ducts		2809	8.5
Piping		0	0.0
Humidification		0	0.0
Ventilation		4048	12.2
Adjustments		0	0.0
Total		33159	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.3	3221	12.6
Glazing	76.6	9344	36.5
Doors	0.0	0	0.0
Ceilings	2.6	2410	9.4
Floors	0.0	0	0.0
Infiltration	0.6	854	3.3
Ducts		6067	23.7
Ventilation		1860	7.3
Internal gains		1840	7.2
Blower		0	0.0
Adjustments		0	0.0
Total		25595	100.0



Overall U-value = 0.174 Btuh/ft²-°F

Data entries checked.



Duct System Summary

Entire House

MARONDA HOMES

Job: WESTCOTT 1ST FLOOR ...
 Date:
 By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: WESTCOTT 1ST FLOOR 13

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.48 / 0.12 in H2O	0.48 / 0.12 in H2O
Lowest friction rate	1.935 in/100ft	1.935 in/100ft
Actual air flow	935 cfm	935 cfm
Total effective length (TEL)	31 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
KITCHEN/NOOK	c 618 3	230	230	1.935	8	x0	VIFx	25.0	0.0	st1
FAMILY	c 524 6	240	240	1.935	8	x0	VIFx	25.0	0.0	ST2
DEN	c 525 3	170	170	1.935	7	x0	VIFx	25.0	0.0	ST2
DEN BATH	h 183 2	25	25	1.935	4	x0	VIFx	25.0	0.0	ST2
DOWN BATH	c 147 2	25	25	1.935	4	x0	VIFx	25.0	0.0	st1
LIVING	h 790 6	245	245	1.935	8	x0	VIFx	25.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	500	500	1.935	667	12	0 x 0	VinIFlx	
ST2	Peak AVF	435	435	1.935	548	12	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	935	935	6.0	1.935	670	16	x0 0		VIFx	

Bold/italic values have been manually overridden



Project Summary
Entire House
MARONDA HOMES

Job: WESTCOTT 2ND FLOOR...
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: WESTCOTT 2ND FLOOR 13

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	24477 Btuh
Ducts	4488 Btuh
Central vent (75 cfm)	3036 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	32001 Btuh

Sensible Cooling Equipment Load Sizing

Structure	22940 Btuh
Ducts	9621 Btuh
Central vent (75 cfm)	1395 Btuh
Blower	0 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2179	2179
Volume (ft³)	17432	17432
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	93	46

Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	32937 Btuh

Latent Cooling Equipment Load Sizing

Structure	4634 Btuh
Ducts	2251 Btuh
Central vent (75 cfm)	2637 Btuh
Equipment latent load	9523 Btuh

Equipment total load	42460 Btuh
Req. total capacity at 0.76 SHR	3.6 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H348AKA

Efficiency	8.3 HSPF
Heating input	0 Btuh @ 47°F
Heating output	0 °F
Temperature rise	0 cfm
Actual air flow	0.000 cfm/Btuh
Air flow factor	0.60 in H2O
Static pressure	
Space thermostat	

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H348AKA
Coil FSM4X4800A

Efficiency	13 SEER
Sensible cooling	35340 Btuh
Latent cooling	11160 Btuh
Total cooling	46500 Btuh
Actual air flow	1270 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	0.60 in H2O
Load sensible heat ratio	0.78

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.





Building Analysis Entire House MARONDA HOMES

Job: WESTCOTT 2ND FLOOR...
Date:
By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: WESTCOTT 2ND FLOOR 13

Design Conditions

Location:

Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

33
-
-
15.0

Cooling

92
19 (M)
77
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

70
37
30
10.6

Cooling

75
17
50
52.0

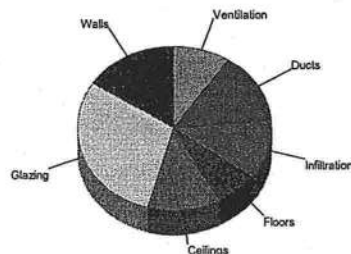
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

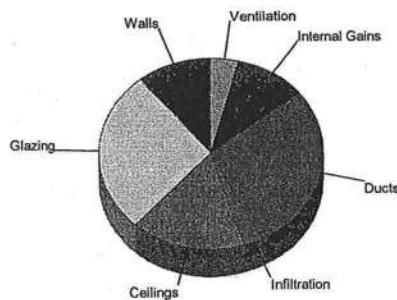
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.6	5060	15.8
Glazing	47.0	9492	29.7
Doors	0.0	0	0.0
Ceilings	1.8	3951	12.3
Floors	1.2	2211	6.9
Infiltration	2.3	3763	11.8
Ducts		4488	14.0
Piping		0	0.0
Humidification		0	0.0
Ventilation		3036	9.5
Adjustments		0	0.0
Total		32001	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.6	3659	10.8
Glazing	46.3	9345	27.5
Doors	0.0	0	0.0
Ceilings	2.6	5621	16.6
Floors	0.0	0	0.0
Infiltration	0.5	865	2.5
Ducts		9621	28.3
Ventilation		1395	4.1
Internal gains		3450	10.2
Blower		0	0.0
Adjustments		0	0.0
Total		33956	100.0



Overall U-value = 0.099 Btuh/ft²-°F

Data entries checked.



wrightsoft

Right-Suite Residential 6.0.90 RSR21115

C:\Documents and Settings\gcarmack\My Documents\Man J Calcs 2007\GAINESVILLEWESTCOTT 2ND FLOOR 13.

2008-Apr-07 11:18:58

Page 1

Duct System Summary

Entire House

MARONDA HOMES

Job: WESTCOTT 2ND FLOOR ...

Date:

By: G. CARMACK

4005 MARONDA WAY, SANFORD, FL 32771 Phone: (407) 321-0064

Project Information

For: WESTCOTT 2ND FLOOR

	Heating	Cooling
External static pressure	0.60 in H2O	0.60 in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.60 in H2O	0.60 in H2O
Supply / return available pressure	0.43 / 0.17 in H2O	0.43 / 0.17 in H2O
Lowest friction rate	2.857 in/100ft	2.857 in/100ft
Actual air flow	1270 cfm	1270 cfm
Total effective length (TEL)	21 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BDR #3	h 3571	170	170	2.857	7	x0	VIFx	15.0	0.0	ST3
BDR #4	c 4522	180	180	2.857	7	x0	VIFx	15.0	0.0	ST4
MASTER TOILET	c 779	25	25	2.857	4	x0	VIFx	15.0	0.0	st1
LOFT	h 6176	180	180	4.286	7	x0	VIFx	10.0	0.0	ST4
BDR #5	c 2617	95	95	4.286	6	x0	VIFx	10.0	0.0	ST2
HALLWAY	c 2594	75	75	8.571	6	x0	VIFx	5.0	0.0	ST3
BDR #2	h 3115	170	170	8.571	7	x0	VIFx	5.0	0.0	st1
MASTER BATH	h 2741	85	85	2.857	6	x0	VIFx	15.0	0.0	st1
BATH #2	h 401	25	25	4.286	4	x0	VIFx	10.0	0.0	ST3
BATH #1	h 401	25	25	8.571	4	x0	VIFx	5.0	0.0	ST4
MASTER BDR-A	h 2494	120	120	4.286	6	x0	VIFx	10.0	0.0	ST2
MASTER BDR	h 2494	120	120	4.286	6	x0	VIFx	10.0	0.0	ST2

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	280	280	2.857	679	9	0 x 0	VinIFlx	ST3
ST2	Peak AVF	335	335	4.286	641	9	0 x 0	VinIFlx	
ST3	Peak AVF	655	655	2.857	601	12	0 x 0	VinIFlx	
ST4	Peak AVF	385	385	2.857	549	10	0 x 0	VinIFlx	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1270	1270	6.0	2.857	582	20	x0 0		VIFx	

NOTICE OF COMMENCEMENT

Inst: 200812011020 Date: 6/11/2008 Time: 8:30 AM
 14 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1152 P: 252

Tax Parcel Identification Number 10-4S-10-02850-123

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

1. Description of property (legal description): Timberlands lot 23 phase 1
 a) Street (job) Address: 204 SW Timber Ridge Dr
2. General description of improvements: Construction of a single family dwelling
3. Owner Information
 a) Name and address: Maronda Homes Inc. of FL 6800 Southpoint Pkwy #300 Jax. FL 32216
 b) Name and address of fee simple titleholder (if other than owner) _____
 c) Interest in property _____
4. Contractor Information
 a) Name and address: Theodore C. Brock 6800 Southpoint Pkwy #300 Jax. FL 32216
 b) Telephone No.: (407)-227-3504 Fax No. (Opt.) _____
5. Surety Information
 a) Name and address: _____
 b) Amount of Bond: _____
 c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
 a) Name and address: Bank of America 250 Park Ave S. #400 Winter Park, FL 32789
 b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
 a) Name and address: Kampf Title and Guaranty Corp. P.O. Box 1359 200 W. 1st St.
 b) Telephone No.: _____ Fax No. (Opt.) Winter Park, FL 32771
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
 a) Name and address: Staff at Maronda Homes Inc. of FL
 b) Telephone No.: (904)-296-1490 Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

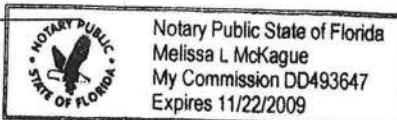
STATE OF FLORIDA
 COUNTY OF COLUMBIA

10. [Signature]
 Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Theodore C. Brock
 Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 4 day of April, 2008, by:
Theodore C. Brock as V.P. of Construction (type of authority, e.g. officer, trustee, attorney
 fact) for Maronda Homes Inc. of FL (name of party on behalf of whom instrument was executed).

Personally Known XX OR Produced Identification _____ Type _____

Notary Signature Melissa L. McKague Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

[Signature]
 Signature of Natural Person Signing (in line #10 above.)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001607

DATE 06/10/2008 PARCEL ID # 10-4S-16-02856-123

APPLICANT PATRICK WILSON PHONE 352 206-5459

ADDRESS 6800 SOUTHPPOINT PARKWAY JACKSONVILLE FL 32216

OWNER MARONDA HOMES PHONE 904 296-1490

ADDRESS 204 SW TIMBER RIDGE DR LAKE CITY FL 32024

CONTRACTOR THEODORE BROCK PHONE 407 227-3504

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON 252B, TL ON TIMBER RIDGE DR., 1ST LOT
ON LEFT _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TIMBERLANDS 23

SIGNATURE *Patrick Wilson*

INSTALLATION REQUIREMENTS

☒

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

INSTALLATION NOTE: Turnouts will be required as follows:

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

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

Other _____

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

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

Amount Paid 25.00



Maronda Systems

4005 Maronda Way

(407) 321-0064

Fax (407) 321-3913

Tomas Ponce, P.E.

367 Medallion PL.

Chuluota, Fl. 32766

FL PE # 50068,

Design: Matrix Analysis

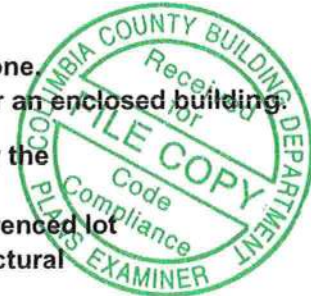
MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL	WESCOTT E
9TM02301	23-1	204 SW TIMBER RIDGE DR	JAX-9TM	WCTE6 RIGHT	

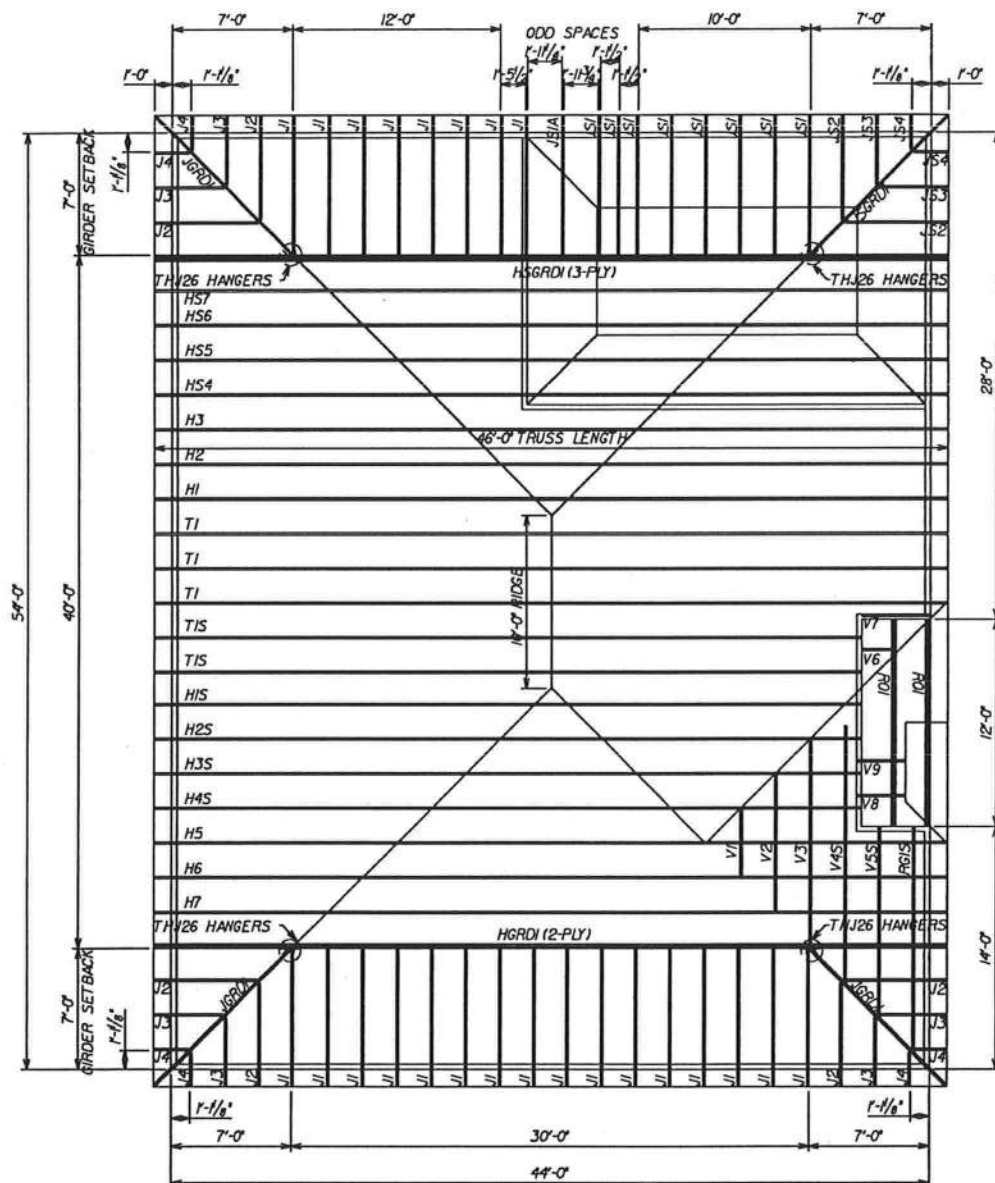
This structure was designed in accordance with, and meets the requirements of TPI standards and the FLORIDA 2004 BUILDING CODE for 125 M.P.H. Wind Zone. Truss loading is in accordance with ASCE 7-02. These trusses are designed for an enclosed building

The Truss Engineering package for the above referenced site was generated by the Truss Designer/Architect/MiTek/Trenco.

I, **Tomas Ponce, P.E.** the Architect/Engineer of Record for the above referenced lot
Have reviewed the package and confirmed that it matches the physical and structural
Parameters found on the set of permit drawings.

[illegible]

- 1 HUS26
- 2 HUS28
- 3 JUS26
- 4 MP6F
- 5 MPA1 & MPA1F
- 6 SKH26 L/R
- 7 SKHH26 L/R
- 8 SUS26
- 9 SUS28
- 10 THD26
- 11 THD28
- 12 THD28-2
- 13 THDH28-3
- 14 THD48
- 15 THJ26**
- 16 LTW12



MAR 31 2008

HARDWARE MANUFACTURED
BY USP

* HARDWARE MANUFACTURED
BY SIMPSON

X X HARDWARE MANUFACTURED
BY CLEVELAND

GARAGE: RIGHT

DRAWN BY: BS

SCALE: 1/8" = 1'-0"
DATE: 10/23/2007

LOADING-FBC2004/TPI2002

TC LIVE	16.00	SNOW LOAD	0.00
TC DEAD	7.00	LUMBER DOL	1.25
BC LIVE	10.00	PLATE DOL	1.25
BC DEAD	10.00	WIND	125
TOTAL	43.00	SPACING	2'-0"



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Maronda Homes

(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

RE: WESTCOTT - WESTCOTT_FLORIDA_125

Trenco

818 Soundside Rd
 Edenton, NC 27932

Site Information:

Project Customer: Maroa Homes, Inc. Project Name: Westcott_FL_125
 Lot/Block: 125 Subdivision: Westcott_FL_125
 Address: Westcott_FL_125
 City: Sanford State: Florida

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
 Address:
 City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 7.0
 Wind Code: ASCE 7-02 Wind Speed: 125 mph Floor Load: N/A psf
 Roof Load: 43.0 psf

This package includes 60 individual, dated Truss Design Drawings and 0 Additional Drawings.
 With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
 This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E4494474	H1	11/2/07	18	E4494491	HGRD1	11/2/07
2	E4494475	H1DS	11/2/07	19	E4494492	HGRD1A	11/2/07
3	E4494476	H1S	11/2/07	20	E4494493	HS4	11/2/07
4	E4494477	H2	11/2/07	21	E4494494	HS5	11/2/07
5	E4494478	H2DS	11/2/07	22	E4494495	HS6	11/2/07
6	E4494479	H2S	11/2/07	23	E4494496	HS7	11/2/07
7	E4494480	H3	11/2/07	24	E4494497	HSGRD1	11/2/07
8	E4494481	H3DS	11/2/07	25	E4494498	J1	11/2/07
9	E4494482	H3S	11/2/07	26	E4494499	J2	11/2/07
10	E4494483	H4DS	11/2/07	27	E4494500	J3	11/2/07
11	E4494484	H4S	11/2/07	28	E4494501	J4	11/2/07
12	E4494485	H5	11/2/07	29	E4494502	J5	11/2/07
13	E4494486	H5A	11/2/07	30	E4494503	J6	11/2/07
14	E4494487	H6	11/2/07	31	E4494504	J7	11/2/07
15	E4494488	H6A	11/2/07	32	E4494505	JGRD1	11/2/07
16	E4494489	H7	11/2/07	33	E4494506	JGRD1A	11/2/07
17	E4494490	H7A	11/2/07	34	E4494507	JGRD2	11/2/07

The truss drawing(s) referenced above have been prepared by TRENCO under my direct supervision based on the parameters provided by Maronda Homes-Pittsburgh, PA.

Truss Design Engineer's Name: Strzyzewski, Marvin
 My license renewal date for the state of is February 28, 2009.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



Marvin A. Strzyzewski, FL Lic. #43144
 Truss Engineering Co.
 818 Soundside Road
 Edenton, NC 27932
 FL COA #7239

November 2, 2007

RE: WESTCOTT - WESTCOTT_FLORIDA_125

Site Information:

Project Customer: Maroa Homes, Inc. Project Name: Westcott_FL_125
Lot/Block: 125 Subdivision: Westcott_FL_125
Address: Westcott_FL_125
City: Sanford State: Florida

No.	Seal#	Truss Name	Date
35	E4494508	JS1	11/2/07
36	E4494509	JS1A	11/2/07
37	E4494510	JS2	11/2/07
38	E4494511	JS3	11/2/07
39	E4494512	JS4	11/2/07
40	E4494513	JSGRD1	11/2/07
41	E4494514	M1	11/2/07
42	E4494515	M1A	11/2/07
43	E4494516	RG1	11/2/07
44	E4494517	RG1S	11/2/07
45	E4494518	T1	11/2/07
46	E4494519	T1DS	11/2/07
47	E4494520	T1S	11/2/07
48	E4494521	V1	11/2/07
49	E4494522	V2	11/2/07
50	E4494523	V23	11/2/07
51	E4494524	V24	11/2/07
52	E4494525	V3	11/2/07
53	E4494526	V4	11/2/07
54	E4494527	V4S	11/2/07
55	E4494528	V5	11/2/07
56	E4494529	V5S	11/2/07
57	E4494530	V6	11/2/07
58	E4494531	V7	11/2/07
59	E4494532	V8	11/2/07
60	E4494533	V9	11/2/07

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494518
WESTCOTT	T1	DBL HOWE	3	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

7.010 s Oct 16 2007 M/Tek Industries, Inc. Thu Nov 01 11:44:28 2007 Page 1

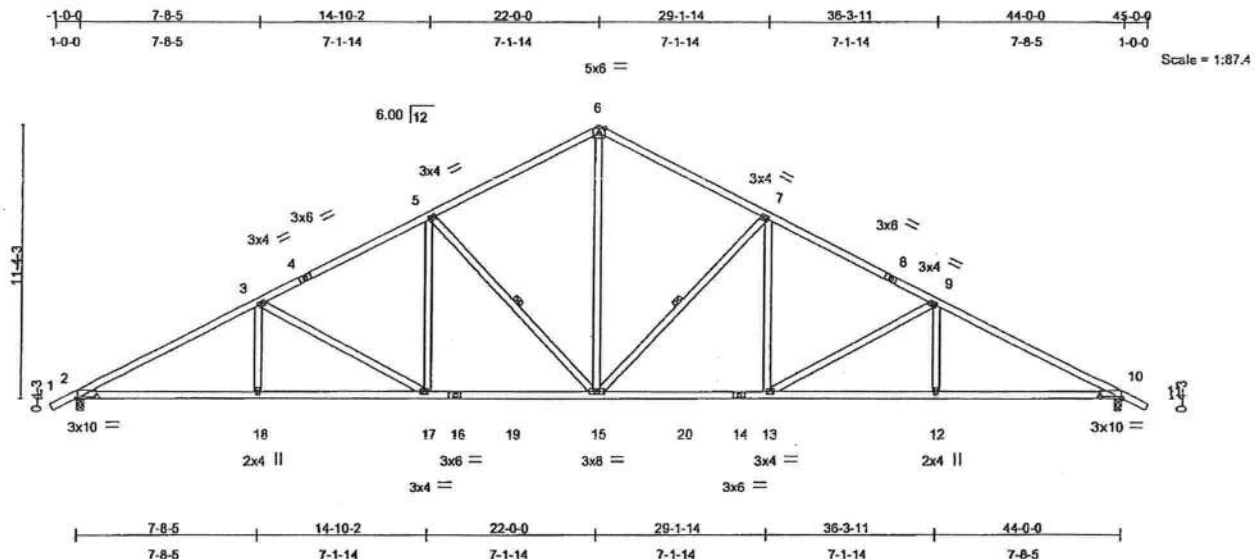


Plate Offsets (X,Y): [2:0-10-4,0-0-14], [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-10-4,0-0-14], [12:0-0-0,0-0-1], [13:0-0-0,0-0-0], [17:0-0-0,0-0-0], [18:0-0-0,0-0-1]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.74	Vert(LL)	-0.35 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.72	Vert(TL)	-0.63 15-17	>839	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.89	Horz(TL)	0.21 10	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 243 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.2 *Except*
3-18 2 X 4 SYP No.3, 9-12 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-9 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS

(lb/size) 2=2075/0-3-8, 10=2075/0-3-8
Max Horz 2=192(LC 6)
Max Uplift 2=425(LC 6), 10=425(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=3864/1080, 3-4=-3182/942, 4-5=-3104/966, 5-6=-2427/852, 6-7=-2427/852, 7-8=-3104/966, 8-9=-3182/942, 9-10=3864/1080, 10-11=0/21
BOT CHORD 2-18=-807/3389, 17-18=-807/3389, 16-17=-534/2777, 15-19=-534/2777, 15-20=-534/2777, 14-20=-534/2777, 13-14=-534/2777, 12-13=-807/3389, 10-12=-807/3389
WEBS 3-18=0/320, 5-17=-607/18, 6-15=-472/1766, 7-13=-607/18, 9-12=0/320, 3-17=-699/311, 5-15=-982/385, 7-15=-982/385, 9-13=-699/311

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 425 lb uplift at joint 2 and 425 lb uplift at joint 10.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FLLC, #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494520
WESTCOTT	T1S	COMMON	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.010 s Oct 16 2007 MITek Industries, Inc. Thu Nov 01 11:44:29 2007 Page 1

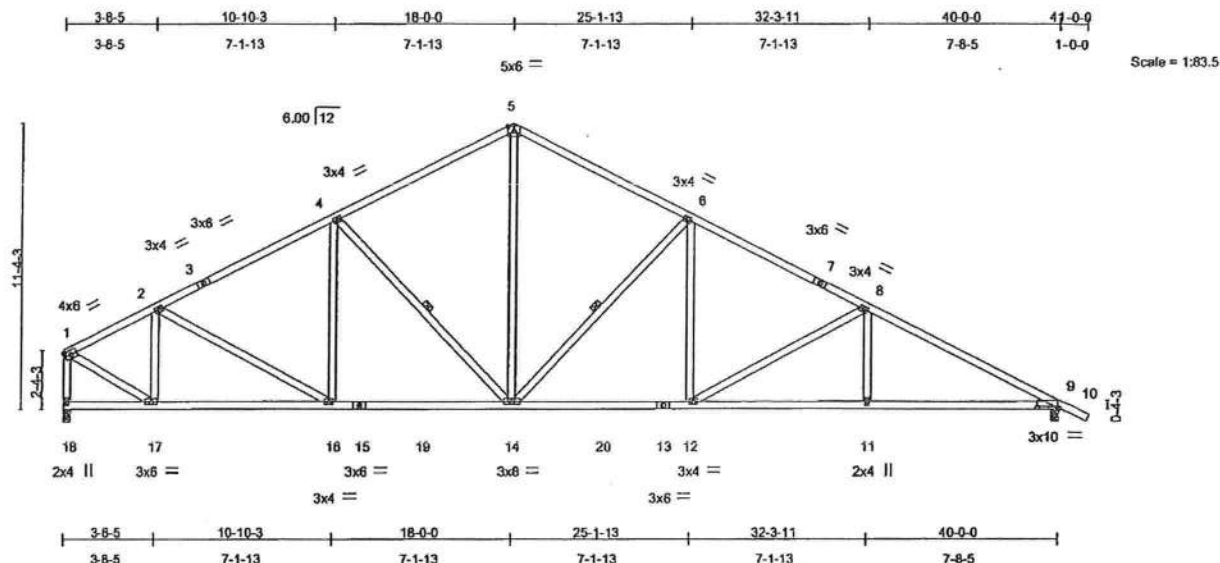


Plate Offsets (X,Y): 18-0-10-4-0-0-10

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.66	Vert(LL)	-0.27	12-14	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.89	Vert(TL)	-0.48	12-14	>988	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.71	Horz(TL)	0.15	9	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 237 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-11 oc bracing.
WEBS 1 Row at midpt 4-14, 6-14

REACTIONS (lb/size) 18=1860/0-3-8, 9=1889/0-3-8
Max Horz 18=-256(LC 7)
Max Uplift 18=-305(LC 6), 9=402(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1832/532, 2-3=-2377/713, 3-4=-2308/732, 4-5=-2018/735, 5-6=-2017/734, 6-7=-2697/849, 7-8=-2775/825, 8-9=-3460/964, 9-10=0/21, 1-18=-1807/529
BOT CHORD 17-18=-102/252, 16-17=-324/1619, 15-16=-330/2064, 15-19=-330/2064, 14-19=-330/2064, 14-20=-429/2413, 13-20=-429/2413, 12-13=-429/2413, 11-12=-704/3030, 9-11=-704/3030
WEBS 2-17=-735/339, 2-16=-46/506, 4-16=0/217, 4-14=-533/243, 5-14=-371/1405, 6-14=-987/387, 6-12=-61/722, 8-12=-704/312, 8-11=0/319, 1-17=-510/1855

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 18 and 402 lb uplift at joint 9.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and ECSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Orazio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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LOADING (psf)	
TCLL	16.0
TCDL	7.0
BCLL	10.0
BCDL	10.0

SPACING 2-0-0
Plates Increase 1.25
Lumber Increase 1.25
Rep Stress Incr YES
Code FBC2004/TPI2002

CSI	
TC	0.65
BC	0.70
WB	0.60
(Matrix)	

DEFL	in	(loc)	l/defl	L/d
Vert(LL)	-0.34	17-19	>999	240
Vert(TL)	-0.61	17-19	>854	180
Horz(TL)	0.21	11	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 269 lb

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.2 *Except*
3-20 2 X 4 SYP No.3, 10-13 2 X 4 SYP No.3

TOP CHORD	Structural wood sheathing directly applied or 2-7-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-3-3 oc bracing.
WEBS	1 Row at midpt 5-17, 6-16, 8-16

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-3849/1093, 3-4=-3209/966, 4-5=-3083/989, 5-6=-2492/884, 6-7=-2150/852, 7-8=-2473/877, 8-9=-3140/988, 9-10=-3212/965, 10-11=-3851/1093, 11-12=0/21

BOT CHORD 6-9=-3140/360, 9-10=-3212/363, 10-11=-3837/1093, 11-12=-0/21
12-20=-822/3376, 19-20=-822/3376, 18-19=-568/2806, 18-21=-568/2806, 17-21=-568/2806, 16-17=-307/2149,
16-22=-567/2808, 15-22=-567/2808, 14-15=-567/2808, 13-14=-822/3378, 11-13=-822/3378

WEBS 3-20=30/301, 3-19=-657/289, 5-19=-53/694, 5-17=-946/378, 6-17=-225/857, 6-16=-159/259, 7-16=-214/855, 8-16=-950/375, 8-14=-51/698, 10-14=-656/290, 10-13=30/300

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 125mph (3-second gust); $w=25\text{ft/s}$; TCFL=4.2psf; BCFL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 419 lb uplift at Joint 2 and 434 lb uplift at joint 11.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
618 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

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

Design valid for use only with Mitek connection. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. No stress design. Bracing shown for lateral support of column. Bracing of other components, including floor joists, is the responsibility of the building designer. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSII/TPI1 Quality Criteria, D58-89 and BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Milltek Affili

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494476
WESTCOTT	H1S	H1P	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

7.010 s Oct 16 2007 Mitek Industries, Inc. Thu Nov 01 11:44:00 2007 Page 1

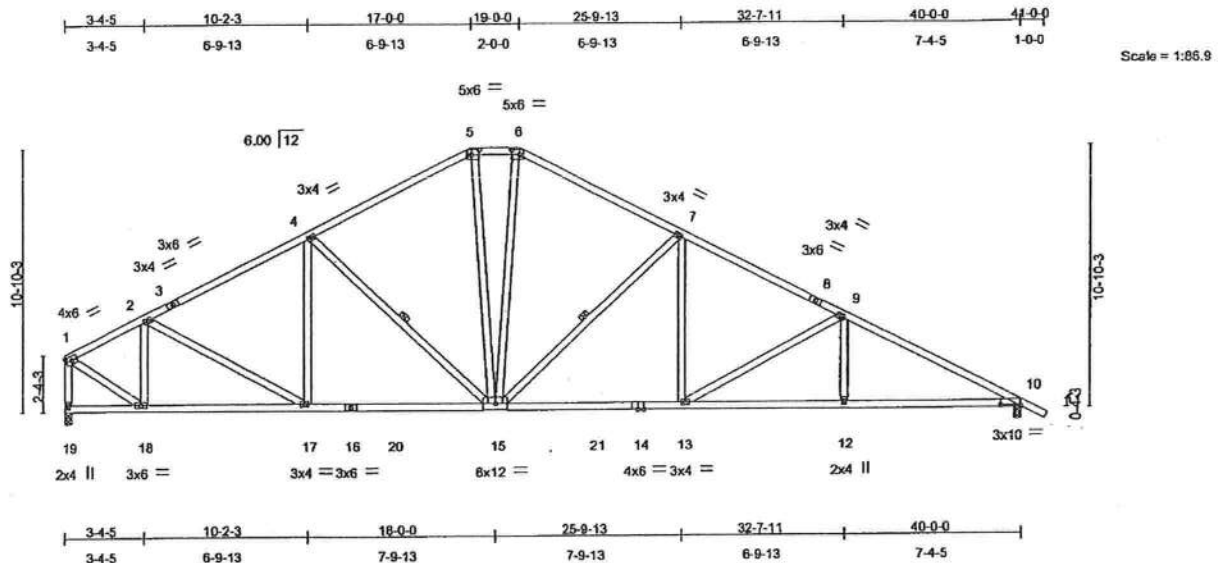


Plate Offsets (X,Y): [5:0-4-0-0-2-8], [6:0-4-0-0-2-8], [10:0-10-4-0-0-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.59	Vert(LL)	-0.30 13-15	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.94	Vert(TL)	-0.53 13-15	>905	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.60	Horz(TL)	0.15 10	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)					Weight: 249 lb	

LUMBER

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

REACTIONS (lb/size) 19=1864/0-3-8, 10=1892/0-3-8
Max Horz 19=248(LC 7)
Max Uplift 19=298(LC 6), 10=397(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1744/511, 2-3=-2388/713, 3-4=-2322/736, 4-5=-2029/736, 5-6=-1812/737, 6-7=-2028/736, 7-8=-2770/871,
8-9=-2843/847, 9-10=-3480/977, 10-11=0/21, 1-19=-1812/533
BOT CHORD 18-19=-93/244, 17-18=-302/1543, 16-17=-347/2077, 15-20=-347/2077, 15-21=-462/2478,
14-21=-462/2478, 13-14=-462/2478, 12-13=-719/3049, 10-12=-719/3049
WEBS 2-18=-809/351, 2-17=-76/609, 4-17=0/182, 4-15=-495/229, 5-15=-166/722, 6-15=-154/882, 7-15=-987/384,
7-13=-517/116, 9-13=-656/293, 9-12=0/297, 1-18=-508/1815

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 19 and 397 lb uplift at joint 10.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, F.L.L.C. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL GOA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information available from Truss Plate Institute, 583 O'Onofre Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494477
WESTCOTT	H2	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.010 s Oct 16 2007 M/Tek Industries, Inc. Thu Nov 01 11:44:01 2007 Page 1

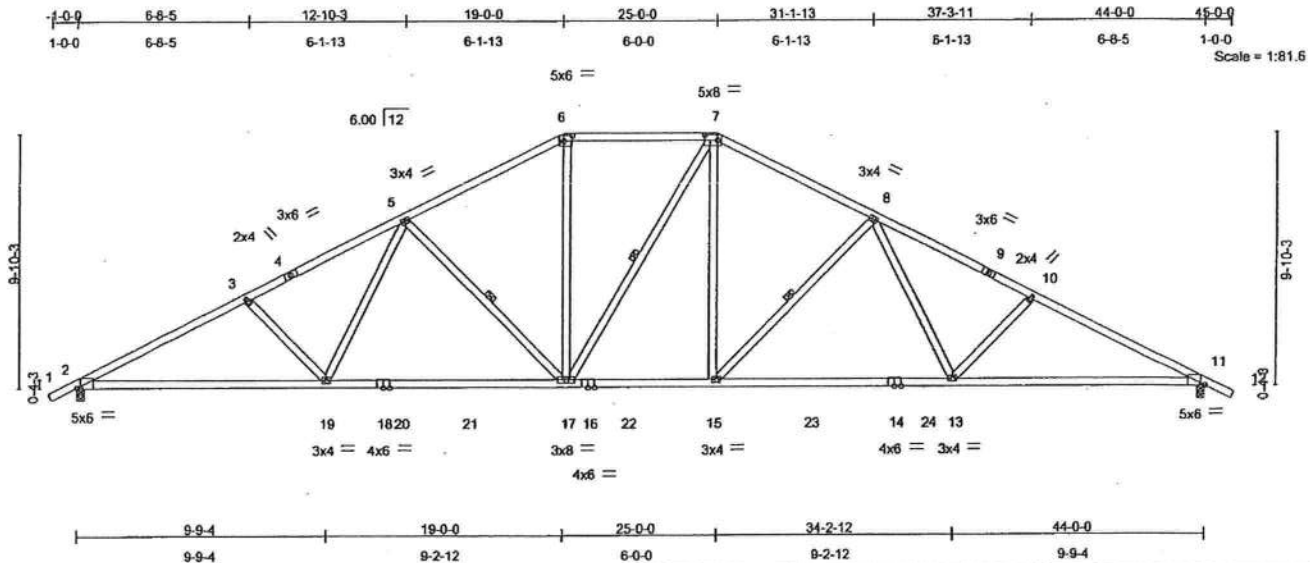


Plate Offsets (X,Y): [2:0-1-10,Edge], [6:0-4-0-0-2-8], [7:0-6-0-0-2-8], [11:0-1-10,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.71	Vert(LL)	-0.54 13-15	>964	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.90	Vert(TL)	-0.90 13-15	>581	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.25	Horz(TL)	0.21 11	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 244 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.1D
 WEBS 2 X 4 SYP No.2 *Except*
 3-19 2 X 4 SYP No.3, 10-13 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing.
 WEBS 1 Row at midpt 5-17, 7-17, 8-15

REACTIONS

(lb/size) 2=2143/0-3-8, 11=2150/0-3-8
 Max Horz 2=169(LC 7)
 Max Uplift 2=406(LC 6), 11=406(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=3997/1144, 3-4=3802/1066, 4-5=3734/1087, 5-6=2824/931, 6-7=2484/896, 7-8=2840/931,
 8-9=3750/1087, 9-10=3817/1066, 10-11=4012/1144, 11-12=0/21
 BOT CHORD 2-19=874/3515, 19-20=643/3004, 18-20=643/3004, 18-21=643/3004, 17-21=643/3004, 16-17=398/2498,
 16-22=398/2498, 15-22=398/2498, 15-23=643/3018, 14-23=643/3018, 14-24=643/3018, 13-24=643/3018,
 11-13=874/3528
 WEBS 3-19=259/279, 5-19=90/787, 5-17=768/354, 6-17=168/954, 7-17=182/136, 7-15=168/988, 8-15=767/354,
 8-13=90/786, 10-13=258/279

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 406 lb uplift at joint 2 and 406 lb uplift at joint 11.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, F.L.E.C. #43144
 Truss Engineering Co.
 818 Soundside Road
 Edenton, NC 27932
 FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 BEFORE USE.
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 583 O'Neal Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A Mitek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	City	Ply	WESTCOTT_FLORIDA_125	E4494479
WESTCOTT	H2S	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.010 s Oct 16 2007 Mitek Industries, Inc. Thu Nov 01 14:37:40 2007 Page 1			

2-8-5	8-10-3	15-0-0	21-0-0	27-1-13	33-3-11	40-0-0	41-0-0
2-8-5	6-1-13	6-1-13	6-0-0	6-1-13	6-1-13	6-8-5	1-0-0

Scale: 1/8"=1'

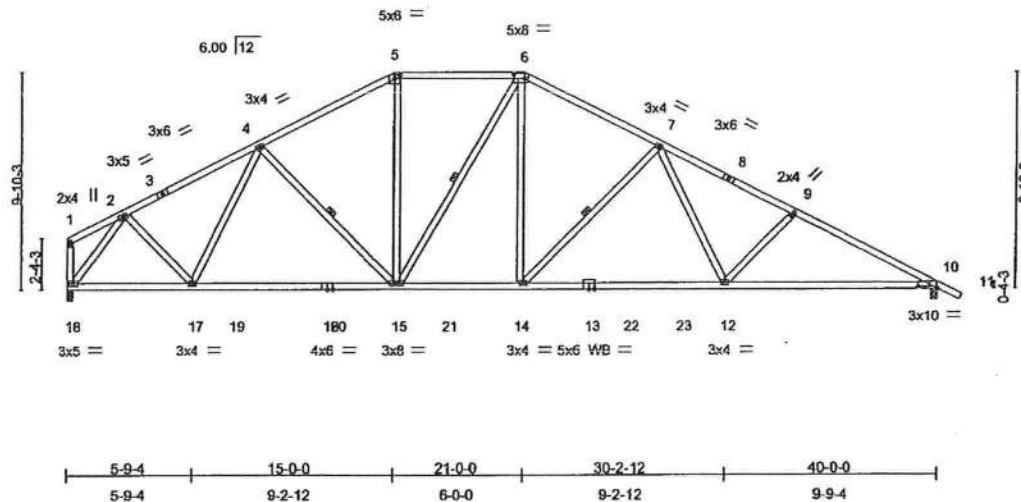


Plate Offsets (X,Y): [5:0-3-0-0-2-0], [6:0-6-0-0-2-8], [10:0-10-4-0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 18.0	Plates Increase	1.25	TC 0.64	Vert(LL)	-0.47 12-14	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.98	Vert(TL)	-0.78 12-14	>614	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.59	Horz(TL)	0.15 10	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 238 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 10-13 2 X 4 SYP No.1D
 WEBS 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-7-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 4-15, 6-15, 7-14

REACTIONS (lb/size) 10=1958/0-3-8, 18=1935/0-3-8
 Max Horz 18=233(LC 7)
 Max Uplift 10=386(LC 7), 18=284(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=38/31, 2-3=2284/846, 3-4=2224/663, 4-5=2277/775, 5-6=1988/753, 6-7=2414/811, 7-8=3332/968, 8-9=3400/956, 9-10=3597/1025, 10-11=0/21, 1-18=32/9
 BOT CHORD 17-18=263/1370, 17-19=385/2079, 19-20=385/2079, 16-20=385/2079, 15-16=385/2079, 15-21=291/2117, 14-21=291/2117, 13-14=536/2641, 13-22=536/2641, 22-23=536/2641, 12-23=536/2641, 10-12=769/3160
 WEBS 2-17=83/896, 4-17=210/184, 4-15=187/214, 5-15=100/715, 6-15=362/124, 6-14=171/981, 7-14=772/355, 7-12=91/794, 9-12=264/281, 2-18=2302/679

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 10 and 284 lb uplift at joint 18.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
 Truss Engineering Co.
 818 Soundside Road
 Edenton, NC 27932
 FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and 8CSI Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A Mitek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494480
WESTCOTT	H3	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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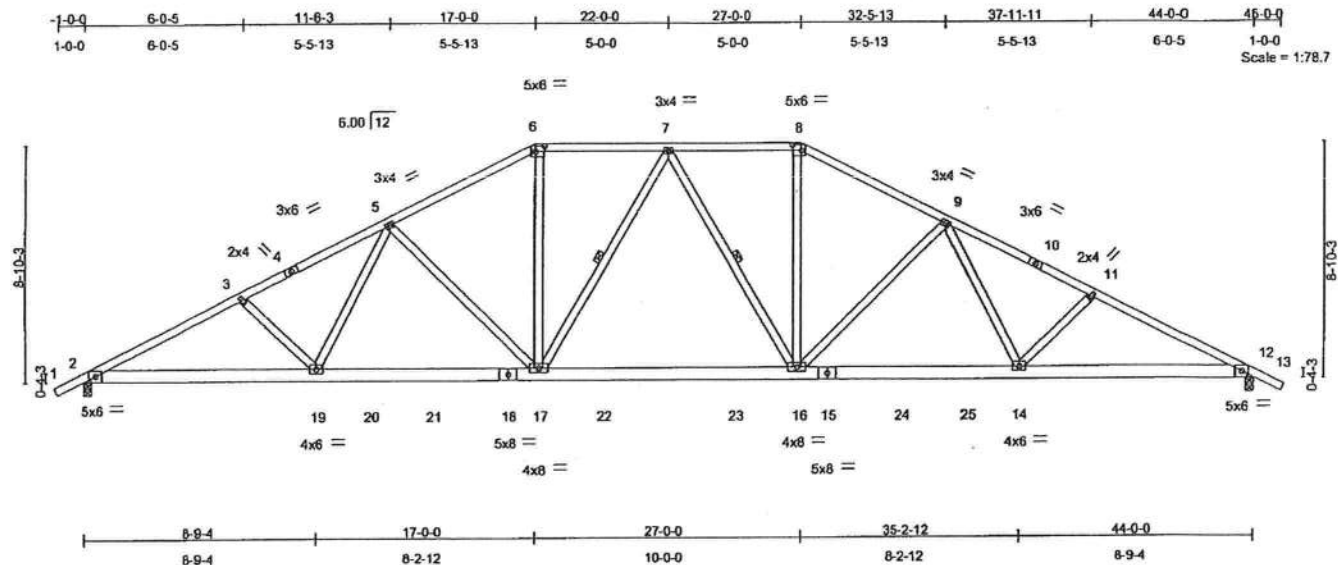


Plate Offsets (X,Y): [2-0-3-0-0-2-9], [6-0-4-0-0-2-8], [8-0-4-0-0-2-8], [12-0-3-0-0-2-9]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.36	Vert(LL)	-0.36 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.74	Vert(TL)	-0.62 16-17	>842	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.73	Horz(TL)	0.15 12	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 282 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.
WEBS 1 Row at midpt 7-17, 7-16

REACTIONS

(lb/size) 2=2133/0-3-8, 12=2133/0-3-8
Max Horz 2=156(LC 7)
Max Uplift 2=392(LC 6), 12=392(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=4071/1189, 3-4=3878/1113, 4-5=3820/1132, 5-6=3061/989, 6-7=2706/942, 7-8=2706/942,
8-9=3061/989, 9-10=3820/1132, 10-11=3878/1120, 11-12=4071/1189, 12-13=0/24
BOT CHORD 2-19=921/3584, 19-20=706/3142, 20-21=706/3142, 18-21=706/3142, 17-18=706/3142, 17-22=542/2763,
22-23=542/2763, 16-23=542/2763, 15-16=706/3142, 15-24=706/3142, 24-25=706/3142, 14-25=706/3142,
12-14=921/3584
WEBS 3-19=240/256, 5-19=83/637, 5-17=651/319, 6-17=219/1089, 7-17=248/179, 7-16=248/179, 8-16=219/1089,
9-16=651/319, 9-14=83/637, 11-14=240/256

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Member 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 392 lb uplift at joint 2 and 392 lb uplift at joint 12.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCES PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4404462
WESTCOTT	H3S	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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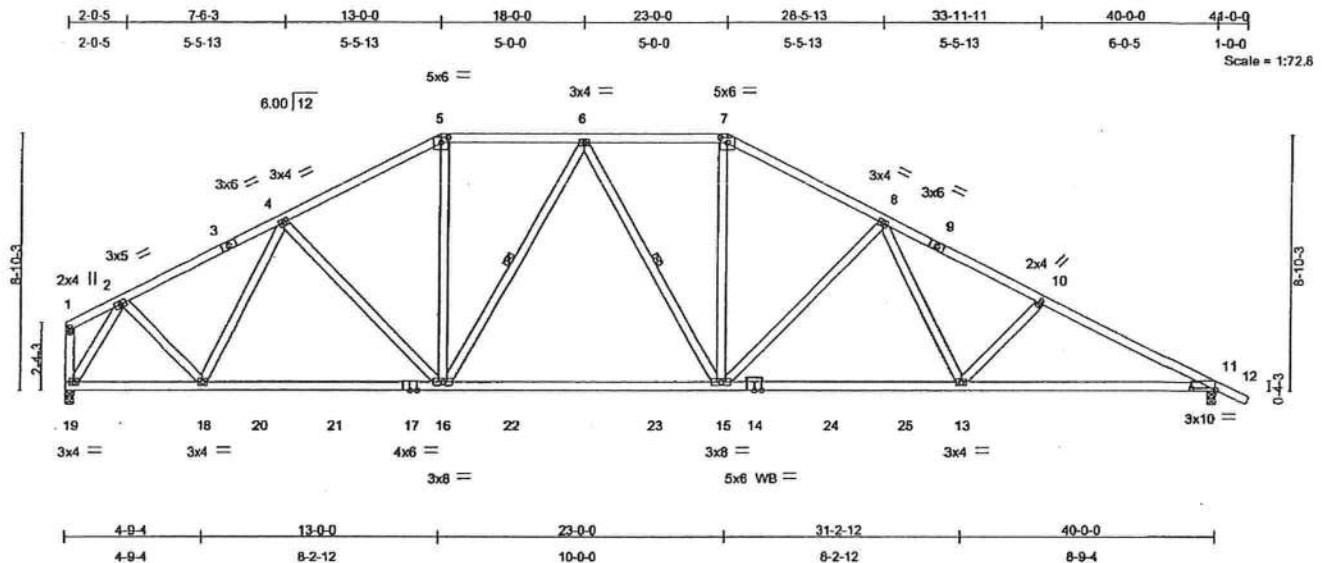


Plate Offsets (X,Y): [5:0-3-0-0-2-0], [7:0-3-0-0-2-0], [11:0-10-4-0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.53	Vert(LL)	-0.51 15-16	>938	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 1.00	Vert(TL)	-0.81 15-16	>588	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.64	Horz(TL)	0.15 11	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 240 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D *Except*
11-14 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-16, 6-15

REACTIONS (lb/size) 11=1950/0-3-8, 19=1934/0-3-8
Max Horz 19=-218(LC 7)
Max Uplift 11=-372(LC 7), 19=-268(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-40/2, 2-3=-2109/621, 3-4=-2033/632, 4-5=-2386/791, 5-6=-2096/762, 6-7=-2311/826, 7-8=-2623/861, 8-9=-3349/1002, 9-10=-3426/991, 10-11=-3600/1050, 11-12=0/21, 1-19=-36/0
BOT CHORD 18-19=-206/1119, 18-20=-398/2042, 20-21=-398/2042, 17-21=-398/2042, 16-17=-398/2042, 16-22=-400/2262, 22-23=-400/2262, 15-23=-400/2262, 14-15=-595/2741, 14-24=-595/2741, 24-25=-595/2741, 13-25=-595/2741, 11-13=-798/3165
WEBS 2-18=-163/1043, 4-18=-476/224, 4-16=-39/190, 5-16=-133/793, 6-16=-426/188, 6-15=-55/173, 7-15=-163/894, 8-15=-641/319, 8-13=-83/631, 10-13=-228/243, 2-19=-2144/670

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 11 and 268 lb uplift at joint 19.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

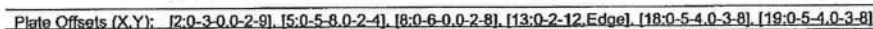
November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 BEFORE USE.
Design void for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53717.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2 *Except*
15-18 2 X 6 SYP No.1D, 13-15 2 X 6 SYP No.1D
WEBS
2 X 4 SYP No.3 *Except*
11-15 2 X 6 SYP No.2

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 1-9-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt. 4-20

Weight: 295 lb

REACTIONS (lb/size) 2=2022/0-3-8, 13=2013/0-3-8
Max Horz 2=141(LC 6)
Max Uplift 2=-375(LC 6), 13=-375(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=3813/1150, 3-4=3671/1165, 4-5=3064/1040, 5-6=2942/1090, 6-7=3315/1171, 7-8=3316/1171, 8-9=3450/1149, 9-10=4421/1376, 10-11=4480/1366, 11-12=6802/1951, 12-13=8468/1870, 13-14=0/23
BOT CHORD 2-8=879/3338, 10-22=879/3338, 20-21=879/3338, 11-23=593/2684, 19-23=593/2684, 18-19=700/3017, 18-24=675/3054, 17-24=675/3054, 16-17=1006/3960, 15-16=1587/5875, 13-15=1578/5810
WEBS 4-22=0/338, 4-20=755/325, 5-20=70/687, 5-19=188/551, 6-19=841/327, 6-18=158/724, 7-18=184/163, 8-18=186/588, 8-17=171/883, 9-17=1124/405, 9-16=115/830, 11-16=1968/597, 11-25=223/1292, 12-15=89/472

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at Joint(s) 13 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 375 lb uplift at Joint 2 and 375 lb uplift at joint 13.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITRK REFERENCE PAGE MU-7473 BEFORE USE.
Design valid for use only with Mittek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/T711 Quality Criteria, D58-89 and BCSII Building Component Safety Information, available from Truss Plate Institute, 583 D'Orolio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Miller-Aldridge Company

818 Soundside Road
Edenton, NC 27932

Job WESTCOTT	Truss HAS	Truss Type HIP	Qty 1	Ply 1	WESTCOTT_FLORIDA_125	E4494484
Maronda Homes Inc., Sanford, FL						Job Reference (optional)
7.010 s Oct 16 2007 MITek Industries, Inc. Thu Nov 01 11:44:06 2007 Page 1						

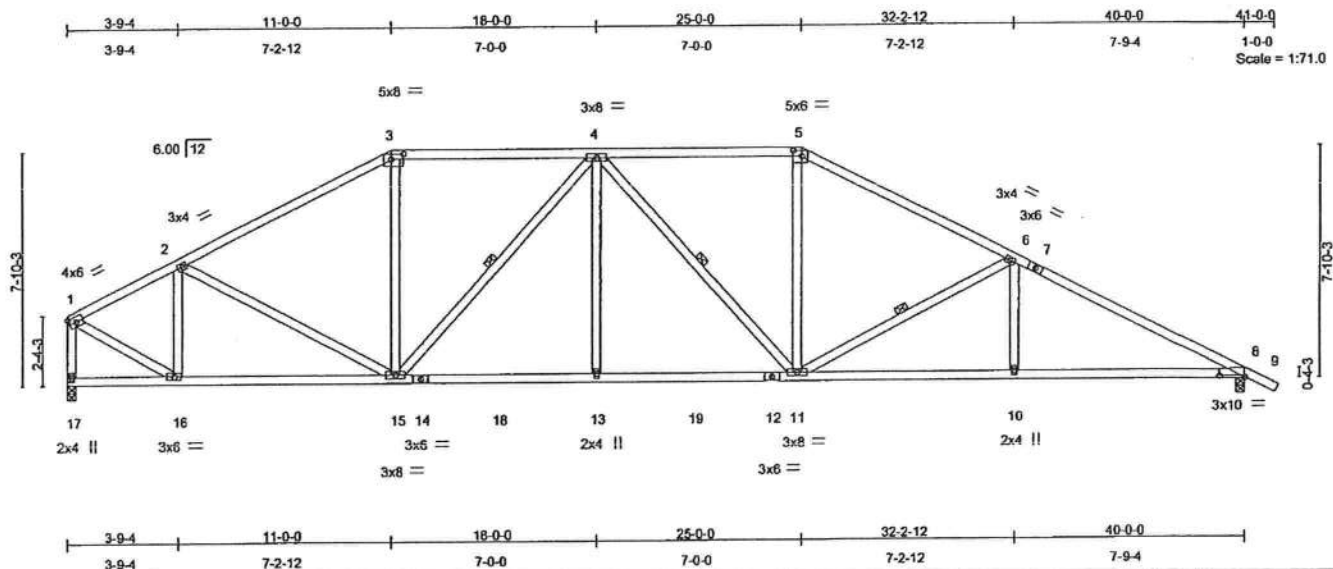


Plate Offsets (X,Y): [3:0-5:0:0-2:0], [5:0-3:8:0-2:4], [8:0-10:4:0-0-10]

LOADING (psf)	SPACING	2:0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCCL	16.0	Plates Increase	1.25	Ver(LL)	-0.26	11-13	>999	240	MT20	244/190
TCCL	7.0	Lumber Increase	1.25	Ver(TL)	-0.46	11-13	>999	180		
BCCL	10.0	Rep Stress Incr	YES	Horz(TL)	0.16	8	n/a	n/a		
BCCL	10.0	Code FBC2004/TPI2002	(Matrix)							Weight: 230 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.
WEBS 1 Row at mldpt 4-15, 4-11, 6-11

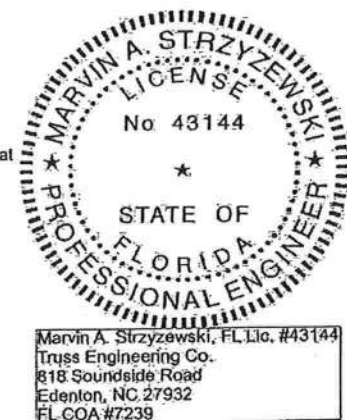
REACTIONS (lb/size) 17=1854/0-3-8, 8=1885/0-3-8
Max Horz 17=203(LC 7)
Max Uplift 17=249(LC 6), 8=357(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=1849/575, 2-3=2365/793, 3-4=2065/785, 4-5=2395/885, 5-6=2736/909, 6-7=3302/1029, 7-8=3445/1025, 8-9=0/21, 1-17=1806/565
BOT CHORD 16-17=47/199, 15-16=333/1633, 14-15=524/2593, 14-18=524/2593, 13-18=524/2593, 13-19=524/2593, 12-19=524/2593, 11-12=524/2593, 10-11=759/3015, 8-10=759/3015
WEBS 2-16=705/358, 2-15=121/546, 3-15=46/710, 4-15=870/214, 4-13=0/495, 4-11=431/153, 5-11=110/862, 6-11=725/318, 6-10=0/331, 1-16=551/1862

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCCL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 17 and 357 lb uplift at joint 8.

LOAD CASE(S) Standard



November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE M1-7473 BEFORE USE.
Design valid for use only with MITek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and ECSI Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494494
WESTCOTT	HS5	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.010 s Oct 16 2007 MITEK Industries, Inc. Thu Nov 01 11:44:16 2007 Page 1

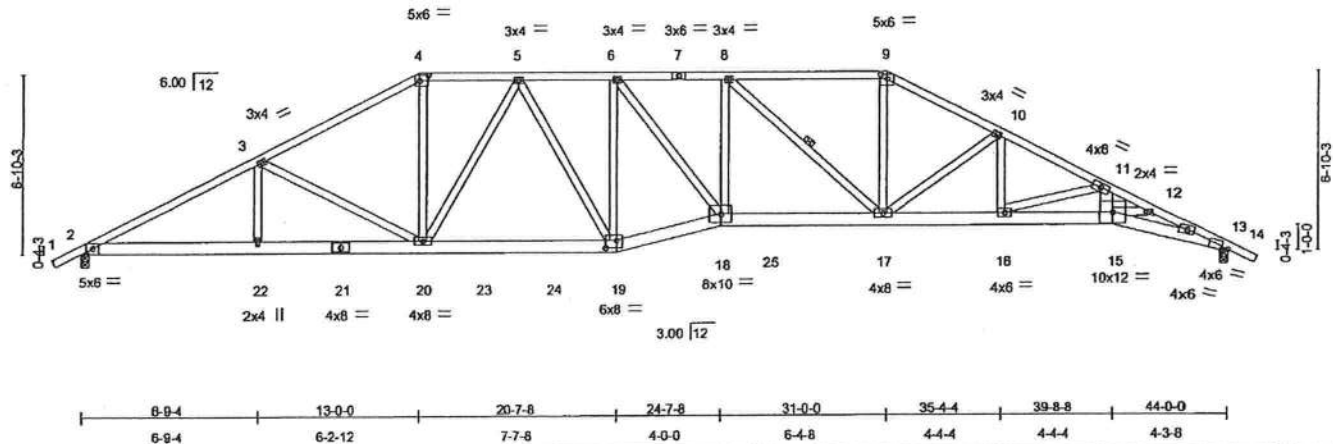
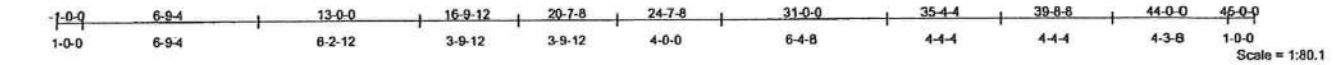


Plate Offsets (X,Y): [2-0-3-0-0-2-9], [4-0-4-0-0-2-8], [9-0-3-0-0-2-0], [13-0-2-12-Edge], [19-0-5-4-0-3-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.75	Vert(LL)	-0.44 17-18	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.95	Vert(TL)	-0.83 17-18	>633	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.69	Horz(TL)	0.34 13	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 290 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 6 SYP No.2 *Except*
 15-18 2 X 6 SYP No.1D, 13-15 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3 *Except*
 11-15 2 X 6 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 8-17

REACTIONS

(lb/size) 2=2033/0-3-8, 13=2020/0-3-8
 Max Horz2=126(LC 6)
 Max Uplift2=357(LC 6), 13=357(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=3878/1197, 3-4=3277/1094, 4-5=2897/1043, 5-6=3444/1221, 6-7=3992/1368, 7-8=3992/1368,
 8-9=3379/1170, 9-10=3775/1244, 10-11=4694/1466, 11-12=6798/1974, 12-13=6478/1910, 13-14=0/23
 BOT CHORD 2-22=921/3404, 21-22=921/3404, 20-21=921/3404, 20-23=807/3205, 23-24=807/3205, 19-24=807/3205,
 18-19=883/3530, 18-25=1009/3984, 17-25=1009/3984, 16-17=1096/4174, 15-16=1602/5875, 13-15=1617/5819
 WEBS 3-22=0/263, 3-20=605/276, 4-20=264/1182, 5-20=718/253, 5-19=104/533, 6-19=924/365, 6-18=257/953,
 8-18=0/354, 8-17=911/269, 9-17=322/1405, 10-17=1030/366, 10-16=157/828, 11-16=1773/528, 11-15=228/1252,
 12-15=69/454

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 13 considers parallel to grain value using ANSV/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 357 lb uplift at joint 2 and 357 lb uplift at joint 13.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
 Truss Engineering Co.
 818 Soundside Road
 Edenton, NC 27932
 FL GOA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M1-7473 BEFORE USE.
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSV/TP1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroff Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A Mitek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494485
WESTCOTT	H5	HIP	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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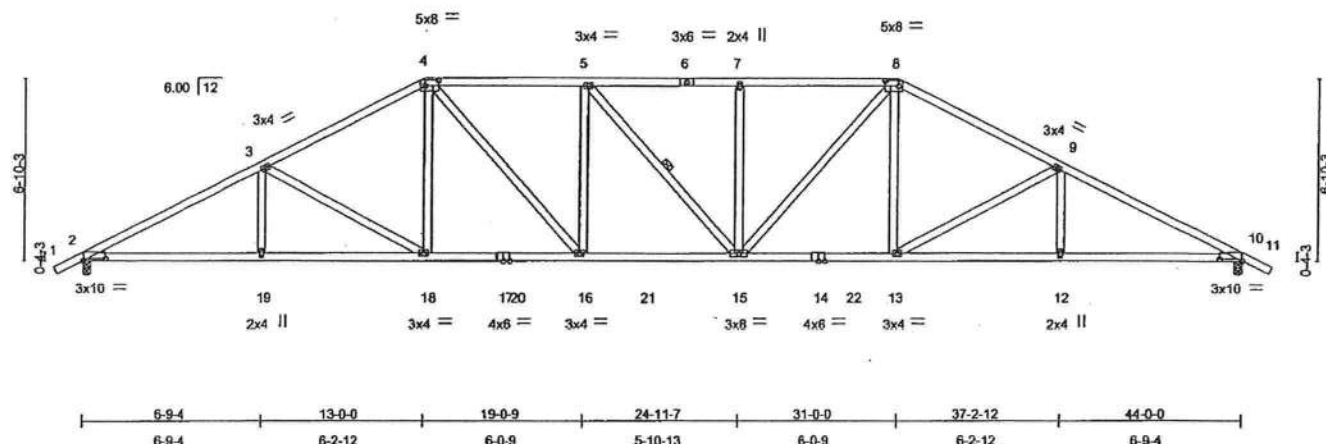
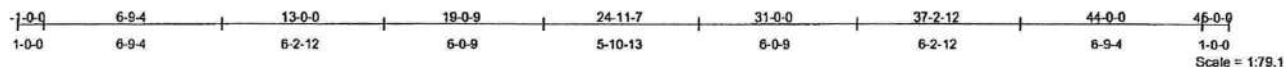


Plate Offsets (X,Y): [2-0-10-4-0-0-14], [4-0-6-0-0-2-8], [8-0-6-0-0-2-8], [10-0-10-4-0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.54	Vert(LL)	-0.36 15-16	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.79	Vert(TL)	-0.66 15-16	>792	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.47	Horz(TL)	0.24 10	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 244 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-8-15 oc purtins.
BOT CHORD Rigid ceiling directly applied or 6-6-9 oc bracing.
WEBS 1 Row at mldpt 5-15

REACTIONS

(lb/size) 2=2085/0-3-8, 10=2077/0-3-8
Max Horz 2=-123(LC 7)
Max Uplift 2=-356(LC 6), 10=-356(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-3931/1181, 3-4=-3340/1090, 4-5=-3474/1203, 5-6=-3449/1203, 6-7=-3449/1203, 7-8=-3449/1203, 8-9=-3324/1090, 9-10=-3914/1181, 10-11=0/21
BOT CHORD 2-19=-907/3450, 18-19=-907/3450, 18-20=-679/2940, 17-20=-679/2940, 16-21=-846/3474, 15-21=-846/3474, 14-15=-679/2926, 14-22=-679/2926, 13-22=-679/2926, 12-13=-907/3434, 10-12=-907/3434
WEBS 3-19=0/280, 3-18=-596/281, 4-18=-51/604, 4-16=-246/882, 5-16=-311/251, 5-15=-114/52, 7-15=-281/251, 8-15=-245/867, 8-13=-51/608, 9-13=-595/260, 9-12=0/279

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 356 lb uplift at joint 2 and 356 lb uplift at joint 10.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, F.L.Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenon, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

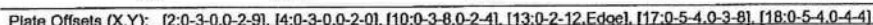
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSII Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenon, NC 27932

Maronda Homes Inc., Sanford, FL

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LUMBER

BRACING

FORCES (lb) - Maximum Compression/Maximum Tension

NOTES

- LOAD CASE(S) Standard



November 2, 2007

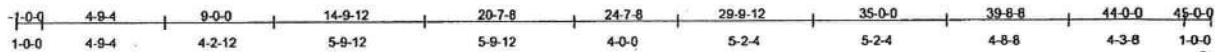
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.

WARNING - verify design parameters and loads before use. Load and strength design is valid for use only with MTEK connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component responsibility of building designer - not Iness designer. Broching shown is for lateral support of individual wall only. Lateral bracing of building during construction is the responsibility of the building designer. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS1/TR11 Quality Criteria, D58-89 and BC511 Building Component Safety Information, available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITEL ALMILAT

818 Soundside Road
Edenlon, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494498
WESTCOTT	HS7	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.010 s Oct 16 2007 MITek Industries, Inc. Thu Nov 01 11:44:17 2007 Page 1						



Scale = 1:80.5

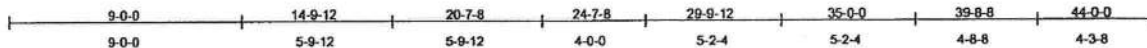
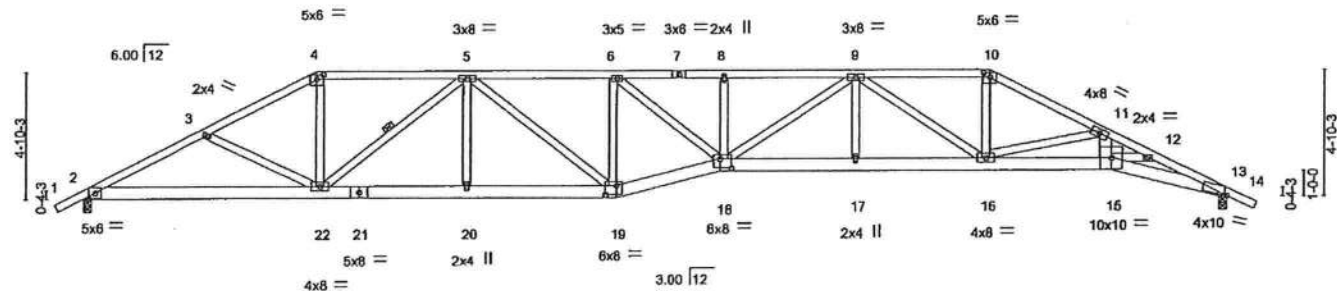


Plate Offsets (X,Y): [2-0-3-0-0-2-9], [4-0-3-0-0-2-0], [10-0-3-0-0-2-0], [13-0-1-6-0-0-5], [18-0-5-4-0-4-0], [19-0-5-4-0-4-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	Vdefl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.70	Vert(LL)	-0.59 17-18	>896	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.90	Vert(TL)	-1.16 17-18	>452	180		
BCLL 10.0	Rep Stress Incr	YES	WB 1.00	Horz(TL)	0.39 13	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 271 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 6 SYP No.2 *Except*
 15-18 2 X 6 SYP No.1D, 13-15 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3 *Except*
 5-22 2 X 4 SYP No.2, 5-19 2 X 4 SYP No.2, 11-15 2 X 6 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-11-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing.
 WEBS 1 Row at midpt 5-22

REACTIONS

(lb/size) 2=1935/0-3-8, 13=1935/0-3-8
 Max Horz 2=95(LC 8)
 Max Uplift 2=354(LC 5), 13=354(LC 4)

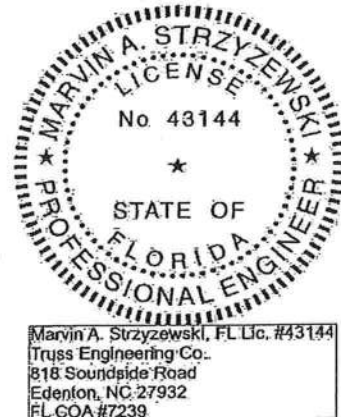
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=-3633/1302, 3-4=-3426/1193, 4-5=-3069/1126, 5-6=-4618/1712, 6-7=-5776/2069, 7-8=-5776/2069,
 8-9=-5776/2069, 9-10=-3948/1404, 10-11=-4362/1493, 11-12=-6467/2045, 12-13=-6184/1976, 13-14=0/23
 BOT CHORD 2-22=-1035/3212, 21-22=-1273/4119, 20-21=-1273/4119, 19-20=-1273/4119, 18-19=-1471/4710, 17-18=-1586/5177,
 16-17=-1586/5177, 15-16=-1664/5581, 13-15=-1675/5555
 WEBS 3-22=-207/208, 4-22=-313/1269, 5-22=-1393/528, 5-20=0/183, 5-19=-216/672, 6-19=-1205/517, 6-18=-480/1541,
 8-18=-192/186, 9-18=-261/774, 9-17=0/203, 9-16=-1564/546, 10-16=-455/1684, 11-16=-1762/565, 11-15=-239/1210,
 12-15=-74/409

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2 and 354 lb uplift at joint 13.

LOAD CASE(S) Standard



November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 BEFORE USE.
 Design valid for use only with MITTEK connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 383 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A MITTEK Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494489
WESTCOTT	H7	HIP	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
7.010 s Oct 16 2007 MITEK Industries, Inc. Thu Nov 01 11:44:10 2007 Page 1						

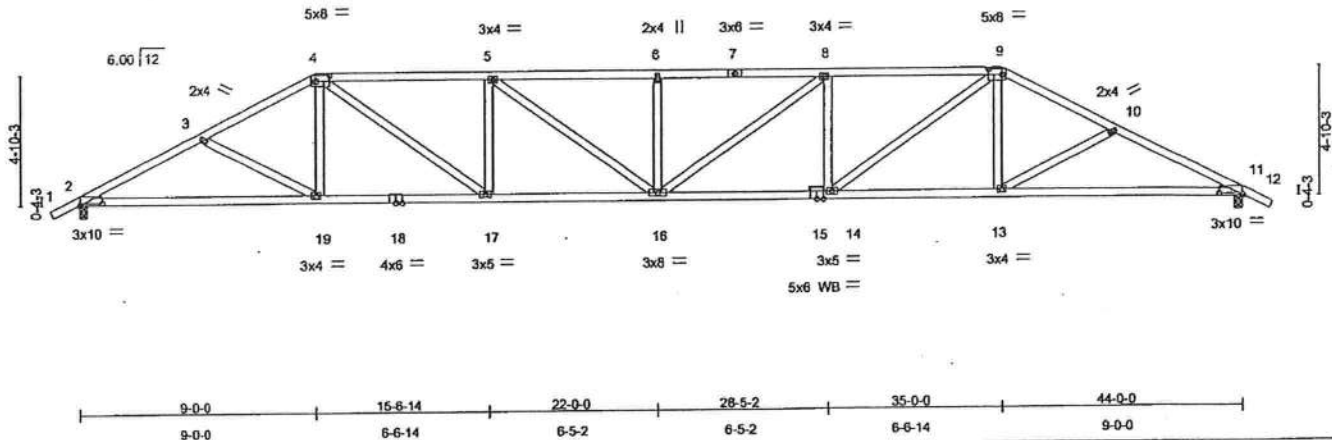


Plate Offsets (X,Y): [2-0-10-4-0-0-14], [4-0-6-0-0-2-8], [9-0-6-0-0-2-8], [11-0-10-4-0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.45	Vert(LL)	-0.46 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.95	Vert(TL)	-0.92 18-17	>570	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.50	Horz(TL)	0.25 11	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrb)						
								Weight: 228 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purfins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1935/0-3-8, 11=1935/0-3-8
Max Horz 2=93(LC 7)
Max Uplift 2=354(LC 5), 11=354(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=3562/1265, 3-4=3375/1185, 4-5=4164/1559, 5-6=4558/1693, 6-7=4558/1693, 7-8=4558/1693, 8-9=4164/1559, 9-10=3375/1185, 10-11=3562/1265, 11-12=0/21
BOT CHORD 2-19=995/3137, 18-19=847/2994, 17-18=847/2994, 16-17=1294/4163, 15-16=1294/4163, 14-15=1294/4163, 13-14=847/2994, 11-13=995/3137
WEBS 3-19=177/183, 4-19=0/422, 4-17=544/1479, 5-17=614/378, 5-16=164/530, 6-16=289/272, 8-16=164/530, 8-14=614/378, 9-14=544/1479, 9-13=0/422, 10-13=177/184

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2 and 354 lb uplift at joint 11.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
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Edenton, NC 27932
FL GOA #7239

November 2, 2007

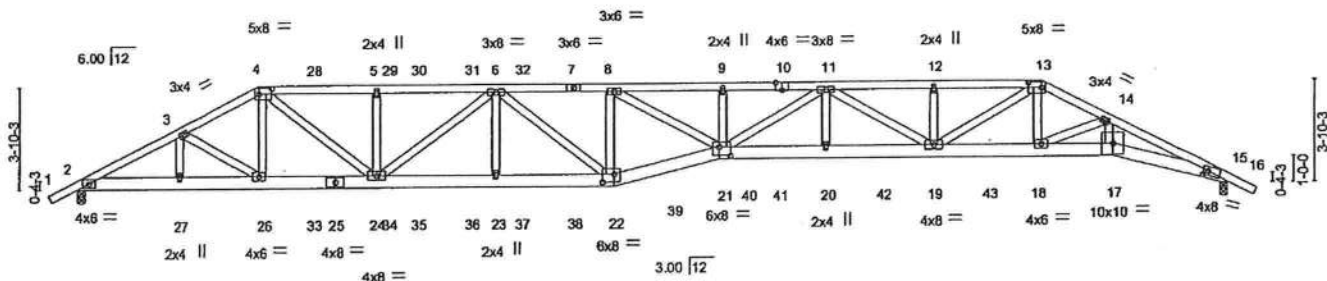
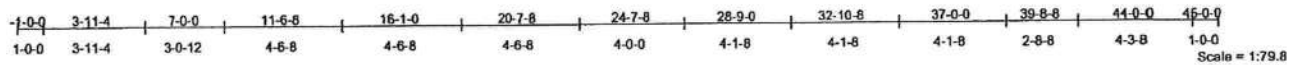
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D5B-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494497
WESTCOTT	HSGRD1	SPECIAL	1	3	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494487
WESTCOTT	HSGRD1	SPECIAL	1	3	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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NOTES

- 8) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2007 lb uplift at joint 2 and 2052 lb uplift at joint 15.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 91 lb down and 64 lb up at 7-0-0, 91 lb down and 64 lb up at 9-0-12, 91 lb down and 64 lb up at 11-0-12, 91 lb down and 64 lb up at 13-0-12, 91 lb down and 64 lb up at 15-0-12, 91 lb down and 64 lb up at 17-0-12, and 91 lb down and 64 lb up at 19-0-12, and 91 lb down and 64 lb up at 20-6-12 on top chord, and 650 lb down and 478 lb up at 7-0-0, 110 lb down and 108 lb up at 9-0-12, 110 lb down and 108 lb up at 11-0-12, 110 lb down and 108 lb up at 13-0-12, 110 lb down and 108 lb up at 15-0-12, 110 lb down and 108 lb up at 17-0-12, 110 lb down and 108 lb up at 19-0-12, 110 lb down and 108 lb up at 20-7-8, 243 lb down and 188 lb up at 22-6-12, 243 lb down and 188 lb up at 24-9-4, 243 lb down and 188 lb up at 25-9-0, 243 lb down and 188 lb up at 26-11-4, 243 lb down and 188 lb up at 28-11-4, 243 lb down and 188 lb up at 30-11-4, 243 lb down and 188 lb up at 32-11-4, and 243 lb down and 188 lb up at 34-11-4, and 778 lb down and 521 lb up at 36-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-23, 4-13=-23, 13-16=-23, 2-22=-20, 21-22=-20, 17-21=-20, 15-17=-20

Concentrated Loads (lb)

Vert: 4=-91(B) 7=-91(B) 21=-243(B) 26=-650(B) 22=-110(B) 8=-91(B) 20=-243(B) 19=-243(B) 18=-778(B) 28=-91(B) 29=-91(B) 30=-91(B) 31=-91(B) 32=-91(B) 33=-110(B) 34=-110(B) 35=-110(B) 36=-110(B) 37=-110(B) 38=-110(B) 39=-243(B) 40=-243(B) 41=-243(B) 42=-243(B) 43=-243(B)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oonofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	City	Ply	WESTCOTT_FLORIDA_125	E4494491
WESTCOTT	HGRD1	HIP	1	2	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						
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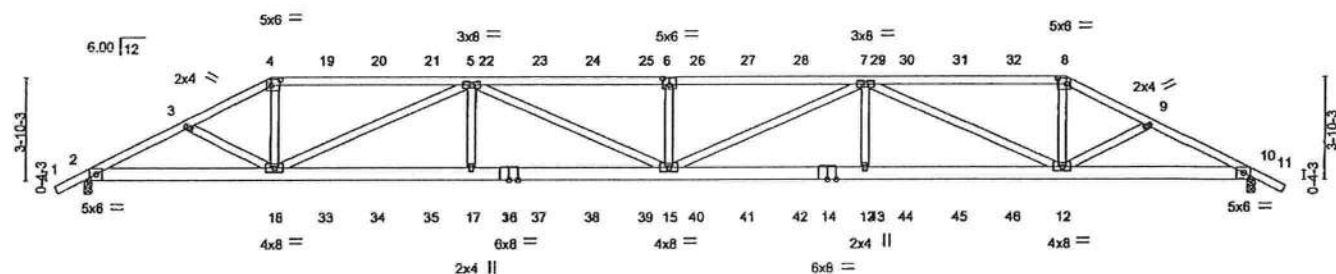


Plate Offsets (X,Y): [2:0-3-0-0-2-9], [4:0-4-0-0-2-8], [6:0-3-0-0-3-0], [8:0-4-0-0-2-8], [10:0-3-0-0-2-9]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.82	Vert(LL)	0.77	15	>682	MT20	2-44/190
TCDL 7.0	Lumber Increase	1.25	BC 0.89	Vert(TL)	-1.19	15-17	>440		
BCLL 10.0	Rep Stress Incr	NO	WB 0.99	Horz(TL)	0.24	10	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 508 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
4-6 2 X 4 SYP No.1D, 6-8 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.

REACTIONS

(lb/size) 2=3805/0-3-8, 10=3805/0-3-8
Max Horz 2=80(LC 8)
Max Uplift 2=2054(LC 7), 10=2054(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/24, 2-3=-7787/4256, 3-4=-7762/4285, 4-19=7082/3958, 19-20=7082/3958, 20-21=7082/3957, 5-21=7082/3957
5-22=12500/6880, 22-23=-12500/6880, 23-24=-12500/6880, 24-25=-12500/6880, 6-25=-12500/6880,
6-26=-12500/6880, 26-27=-12500/6880, 27-28=-12500/6880, 28-29=-12500/6880, 7-29=-12500/6880, 7-30=7082/3957
30-31=7082/3957, 31-32=7082/3957, 8-32=7082/3958, 8-9=7762/4285, 9-10=-7787/4256, 10-11=0/24
BOT CHORD 2-18=-3769/6881, 18-33=-6098/11196, 33-34=-6098/11196, 34-35=-6098/11196, 17-35=-6098/11196,
17-36=-6098/11196, 16-36=-6098/11196, 16-37=-6098/11196, 37-38=-6098/11196, 38-39=-6098/11196,
15-39=-6098/11196, 15-40=-6059/11196, 40-41=-6059/11196, 41-42=-6059/11196, 14-42=-6059/11196,
14-43=-6059/11196, 13-43=-6059/11196, 13-44=-6059/11196, 44-45=-6059/11196, 45-46=-6059/11196,
12-46=-6059/11196, 10-12=-3690/6881
WEBS 3-18=-163/212, 4-18=-1512/2946, 5-18=-4583/2519, 5-17=-239/686, 5-15=-794/1479, 6-15=-598/468, 7-15=-795/1479,
7-13=-239/686, 7-12=-4583/2519, 8-12=-1512/2946, 9-12=-163/212

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2054 lb uplift at joint 2 and 2054 lb uplift at joint 10.

Continued on page 2



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Truss Engineering Co.
818 Soundside Road
Edenport, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D5B-87 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenport, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494491
WESTCOTT	HGRD1	HIP	1	2	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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NOTES

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 93 lb up at 7-0-0, 73 lb down and 93 lb up at 9-0-12, 73 lb down and 93 lb up at 11-0-12, 73 lb down and 93 lb up at 13-0-12, 73 lb down and 93 lb up at 15-0-12, 73 lb down and 93 lb up at 17-0-12, 73 lb down and 93 lb up at 19-0-12, 73 lb down and 93 lb up at 21-0-12, 73 lb down and 93 lb up at 22-11-4, 73 lb down and 93 lb up at 24-11-4, 73 lb down and 93 lb up at 26-11-4, 73 lb down and 93 lb up at 28-11-4, 73 lb down and 93 lb up at 30-11-4, 73 lb down and 93 lb up at 32-11-4, and 73 lb down and 93 lb up at 34-11-4, and 73 lb down and 93 lb up at 37-0-0 on top chord, and 613 lb down and 458 lb up at 7-0-0, 96 lb down and 80 lb up at 9-0-12, 96 lb down and 80 lb up at 11-0-12, 96 lb down and 80 lb up at 13-0-12, 96 lb down and 80 lb up at 15-0-12, 96 lb down and 80 lb up at 17-0-12, 96 lb down and 80 lb up at 19-0-12, 96 lb down and 80 lb up at 21-0-12, 96 lb down and 80 lb up at 22-11-4, 96 lb down and 80 lb up at 24-11-4, 96 lb down and 80 lb up at 26-11-4, 96 lb down and 80 lb up at 28-11-4, 96 lb down and 80 lb up at 30-11-4, 96 lb down and 80 lb up at 32-11-4, and 96 lb down and 80 lb up at 34-11-4, and 613 lb down and 458 lb up at 36-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=46, 4-8=46, 8-11=46, 2-10=40

Concentrated Loads (lb)

Vert: 4=73(F) 8=73(F) 18=613(F) 12=613(F) 19=73(F) 20=73(F) 21=73(F) 22=73(F) 23=73(F) 24=73(F) 25=73(F) 26=73(F) 27=73(F) 28=73(F) 29=73(F) 30=73(F) 31=73(F) 32=73(F) 33=96(F) 34=96(F) 35=96(F) 36=96(F) 37=96(F) 38=96(F) 39=96(F) 40=96(F) 41=96(F) 42=96(F) 43=96(F) 44=96(F) 45=96(F) 46=96(F)



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ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Mamoda Homes Inc., Sanford, FL

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Weight: 46 lb

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

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-10 oc bracing.

Max Horiz2=175(LC 3)
Max Uplift5=-332(LC 7), 2=-260(LC 7)

TOP CHORD 1-2=0/22, 2-7=879/345, 7-8=841/367, 3-8=800/341, 3-9=113/69, 4-9=46/0, 4-5=121/157
BOT CHORD 2-10=442/788, 10-11=442/788, 6-11=442/788, 6-12=442/788, 5-12=442/788
WEBS 3-6=0/299, 3-5=807/441

1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise);
Lumber DOL=1.60 plate grlp DOL=1.60.

- 2) This truss has been designed for a 10.0 psf bottom chord live load horizontal windward face.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 332 lb uplift at joint 5 and 260 lb uplift at joint 2.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 54 lb up at 4-4-12, 6 lb down and 54 lb up at 4-4-12, 57 lb down and 130 lb up at 7-2-11, 57 lb down and 130 lb up at 7-2-11, and 47 lb down at 1-6-12, and 47 lb down at 1-6-12 on top chord, and 21 lb up at 1-6-12, 21 lb up at 1-6-12, 16 lb down at 4-4-12, 16 lb down at 4-4-12, and 56 lb down at 7-2-11, and 56 lb down at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

- Uniform Loads (plf)
Vert: 1-4=-48, 2-5=-40
Concentrated Loads (lb)
Vert: 8=12(F=-6, B=-6) 9=-114(F=-57, B=-57) 10=42(F=21, B=21) 11=32(F=-16, B=-16) 12=-112(F=-56, B=-56)



November 2, 2007

A

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

WARNING - Verify design parameters and READ NOTES on THIS AND INCLUDED BRACING DESIGNER'S SPECIFICATIONS. THIS DESIGN IS NOT TO BE USED FOR ANY OTHER APPLICATION.

Design valid for use only with MTEK connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not Truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSIT/PTI Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 383 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mott MacDonald Company

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494513
WESTCOTT	JSGRD1	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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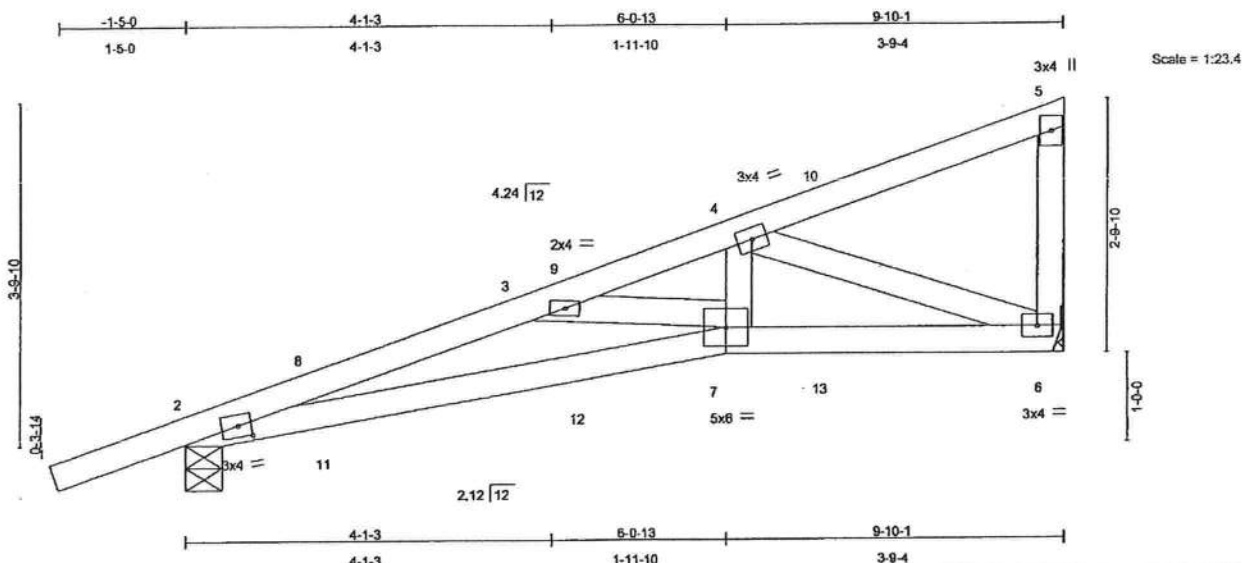


Plate Offsets (X,Y): [2-0-1-12,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.37	Vert(LL)	-0.07	2-7	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.42	Vert(TL)	-0.14	2-7	>800	180	
BCLL 10.0	Rep Stress Incr	NO	WB 0.31	Horz(TL)	0.04	6	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 46 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-0 oc bracing.

REACTIONS (lb/size) 6=576/Mechanical, 2=537/0-4-15
Max Horz 2=175(LC 7)
Max Uplift 6=296(LC 7), 2=248(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-8=1406/651, 3-8=1379/674, 3-9=1274/562, 4-9=1241/535, 4-10=149/65, 5-10=42/3, 5-6=141/100
BOT CHORD 2-11=737/1298, 11-12=734/1305, 7-12=727/1327, 7-13=586/1152, 6-13=586/1152
WEBS 3-7=86/132, 4-7=57/410, 4-6=1163/582

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 6 and 248 lb uplift at joint 2.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 56 lb up at 4-4-12, 6 lb down and 56 lb up at 4-4-12, 138 lb down and 104 lb up at 7-2-11, 138 lb down and 104 lb up at 7-2-11, and 45 lb down at 1-6-12, and 45 lb down at 1-6-12 on top chord, and 21 lb up at 1-6-12, 21 lb up at 1-6-12, 16 lb down at 4-4-12, 16 lb down at 4-4-12, and 29 lb up at 7-2-11, and 29 lb up at 7-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-46, 2-7=-40, 6-7=-40

Continued on page 2



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November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onotrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494513
WESTCOTT	JSGRD1	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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LOAD CASE(S) Standard
Concentrated Loads (lb)

Vert: 9=12(F=6, B=6) 10=276(F=-138, B=-138) 11=42(F=21, B=21) 12=32(F=-16, B=-16) 13=57(F=29, B=29)

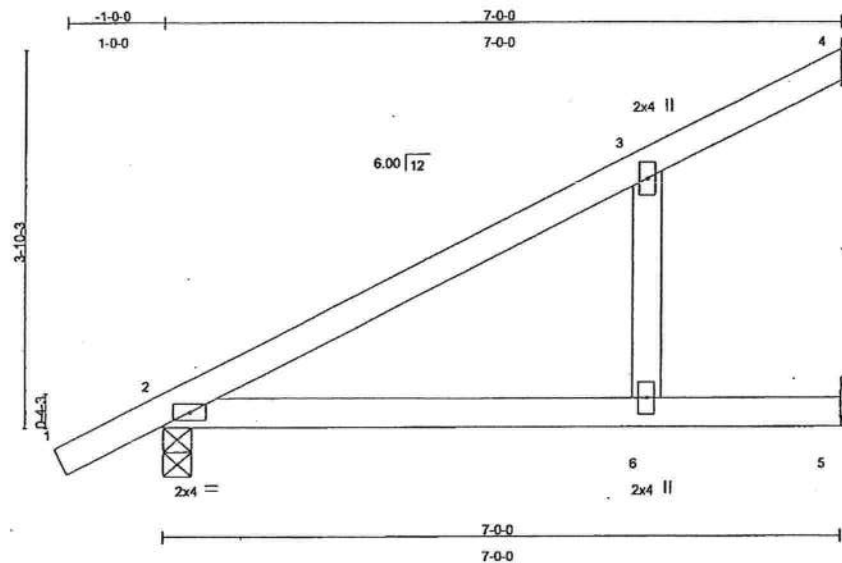
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ENGINEERING BY
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A Mitek Affiliate
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Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494498
WESTCOTT	J1	MONO TRUSS	28	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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Scale = 1:21.5

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.42	Veri(LL)	0.15	2-6	>541	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Veri(TL)	-0.29	2-6	>279	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrb)							
									Weight: 27 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=137/Mechanical, 2=353/0-3-8, 5=150/Mechanical
Max Horz 2=178(LC 6)
Max Uplift 4=47(LC 6), 2=110(LC 6), 5=55(LC 6)

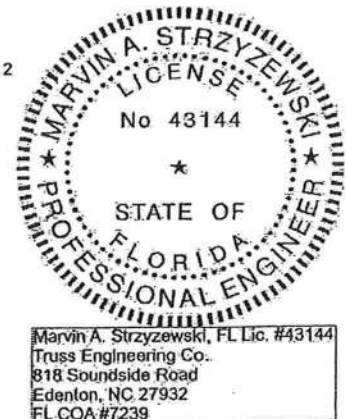
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-127/21, 3-4=-36/57
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=-20/156

NOTES (6)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4, 110 lb uplift at joint 2 and 55 lb uplift at joint 5.
- 6) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #4 & #5.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

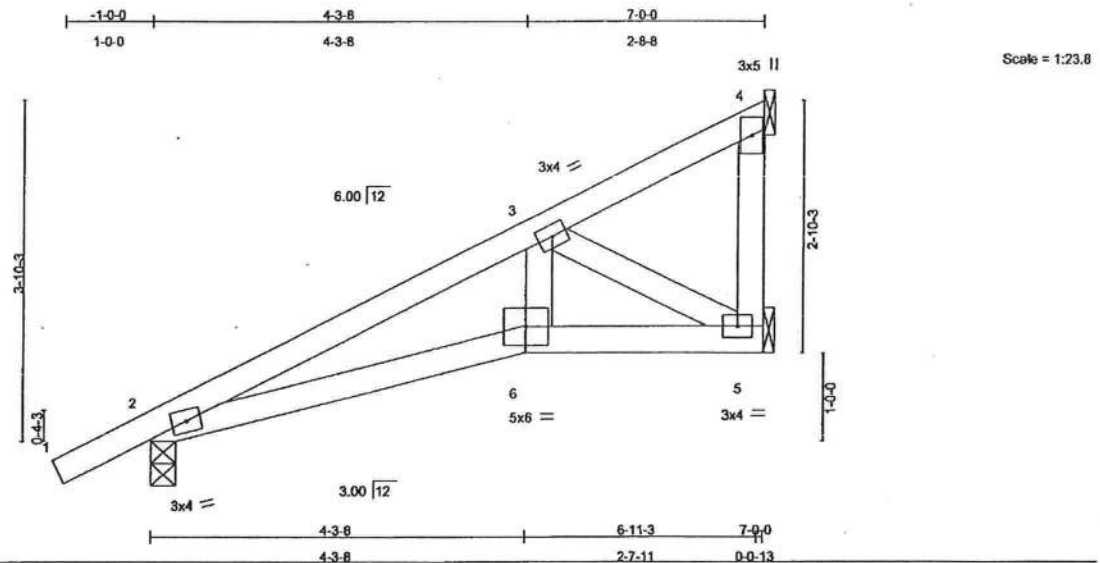
November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494508
WESTCOTT	JS1	SPECIAL	8	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.12	Vert(LL)	-0.02	2-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.23	Vert(TL)	-0.05	2-6	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.08	Horz(TL)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 33 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=33/Mechanical, 5=250/Mechanical, 2=349/0-3-8
Max Horz 2=175(LC 6)
Max Uplift 4=-29(LC 6), 5=-72(LC 6), 2=-109(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-509/119, 3-4=-35/10, 4-5=0/0
BOT CHORD 2-6=-226/439, 5-6=-213/383
WEBS 3-6=-14/238, 3-5=-431/240

NOTES (8)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 4, 72 lb uplift at joint 5 and 109 lb uplift at joint 2.
- 7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 8) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #4 & #5.

LOAD CASE(S) Standard



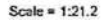
November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 BEFORE USE.
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ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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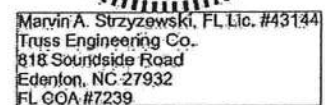


LUMBER

BRACING

NOTES (7)

- LOAD CASE(S) Standard

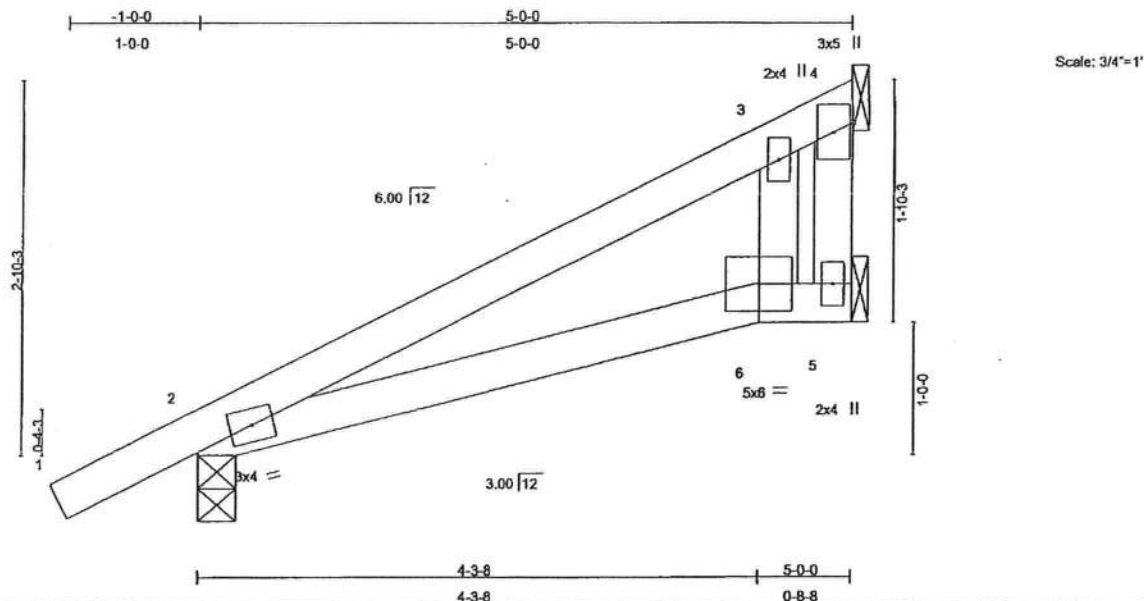


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ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494510
WESTCOTT	JS2	SPECIAL	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.010 s Oct 16 2007 MITek Industries, Inc. Thu Nov 01 14:38:21 2007 Page 1				



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.24	Vert(LL)	-0.02	2-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	-0.05	2-6	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 21 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=184/Mechanical, 2=265/0-3-8, 5=11/Mechanical
Max Horz 2=134(LC 6)
Max Uplift 4=70(LC 6), 2=101(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/20, 2-3=79/13, 3-4=43/81
BOT CHORD 2-6=4/28, 5-6=0/0
WEBS 3-6=0/98, 4-5=0/0

NOTES (9)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 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 70 lb uplift at joint 4 and 101 lb uplift at joint 2.
- 8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 9) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #4 & #5.

LOAD CASE(S) Standard



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Truss Engineering Co.
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Edenton, NC 27932
FL GOA #7239

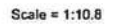
November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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LOADING (psf)

SPACING	2-0-0
Plates Increase	1.25
Lumber Increase	1.25
Rep Stress Incr	YES
Code FBC2004/TPI2002	

CSI	
TC	0.12
BC	0.07
WB	0.00
(Matrix)	

DEFL	in	(loc)	l/defl	L/d
Vert(LL)	-0.00	2-4	>999	240
Vert(TL)	-0.01	2-4	>999	180
Horz(TL)	-0.00	3	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 11 lb

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

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

Max Horz 2=95(LC 6)

TOP CHORD 1-2=0/21, 2-3=-36/19
BOT CHORD 2-4=0/0

1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 3 and 99 lb uplift at joint 2.
- 6) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #3 & #4.

A circular professional engineer seal for Marvin A. Strzyzewski. The outer ring contains the text "MARVIN A. STRZYZEWSKI" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No 43144" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The entire seal is enclosed in a double-lined circular border.

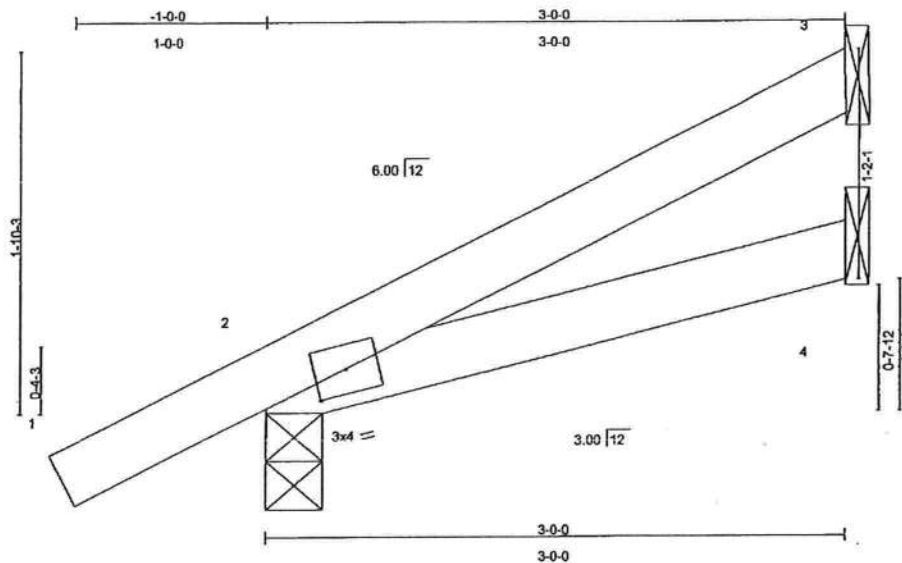
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MU-7473 BEFORE USE.
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Applicability of design parameters and proper incorporation of component is responsibility of building designer - not Truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D5B-89 and BCS1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4484511
WESTCOTT	JS3	MONO SCISSOR	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL		7.010 s Oct 16 2007 MiTek Industries, Inc. Thu Nov 01 11:44:24 2007 Page 1				



Scale = 1:10.8

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.12	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 12 lb	

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

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

REACTIONS (lb/size) 3=52/Mechanical, 2=188/0-3-8, 4=56/Mechanical
Max Horz 2=94(LC 6)
Max Uplift 3=46(LC 6), 2=98(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-37/19
BOT CHORD 2-4=-11/11

NOTES (7)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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 surfaces.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 3 and 98 lb uplift at joint 2.
- 7) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #3 & #4.

LOAD CASE(S) Standard



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FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MI-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MiTek Alliance
818 Soundside Road
Edenton, NC 27932

Job WESTCOTT	Truss J4	Truss Type JACK	Qty 6	Ply 1	WESTCOTT_FLORIDA_125	E4494501
Maronda Homes Inc., Sanford, FL			7.010 s Oct 16 2007 Mitek Industries, Inc. Thu Nov 01 11:44:20 2007 Page 1			
			Job Reference (optional)			

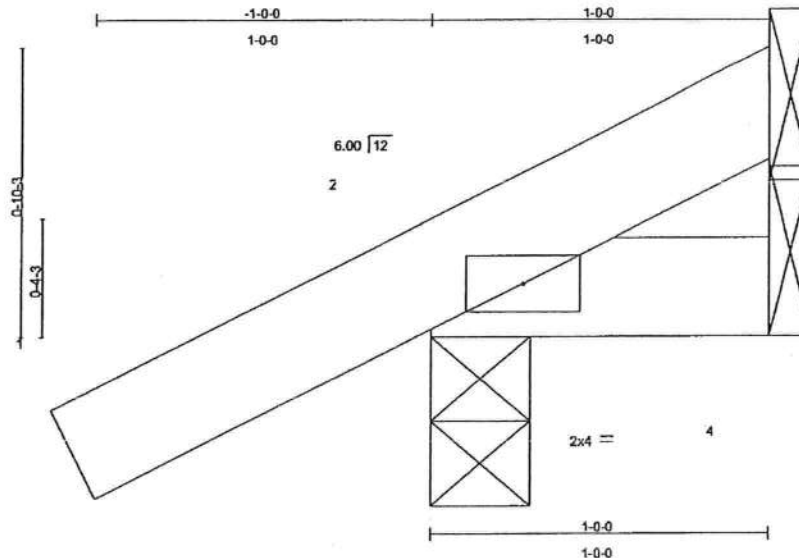


Plate Offsets (X,Y): [2-0-0-0-0-0-0]						
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	L/d
TCLL 16.0	Plates Increase	1.25	TC 0.10	Vert(LL)	-0.00 2	>999 240
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00 2	>999 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00 3	n/a n/a
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)			
						Weight: 5 lb

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

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

REACTIONS (lb/size) 2=120/0-3-8, 4=19/Mechanical, 3=7/Mechanical
Max Horz 2=54(LC 6)
Max Uplift 2=110(LC 6), 3=7(LC 1)
Max Grav 2=120(LC 1), 4=19(LC 1), 3=22(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=25/22
BOT CHORD 2-4=0/0

NOTES (6)
1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 2 and 7 lb uplift at joint 3.
6) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #3 & #4.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL GOA #7239

November 2, 2007

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TRENCO
ENGINEERING BY
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Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.10	Vert(LL)	-0.00	2 >999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.01	Vert(TL)	-0.00	2 >999	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	0.00	3 n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)					Weight: 5 lb	

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

REACTIONS (lb/size) 2=120/0-3-8, 4=19/Mechanical, 3=7/Mechanical
Max Horz 2=53(LC 6)
Max Uplift 2=107(LC 6), 3=7(LC 1)
Max Grav 2=120(LC 1), 4=19(LC 1), 3=18(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-27/21
BOT CHORD 2-4=-4/4

NOTES (7)

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 2 and 7 lb uplift at joint 3.
- 7) Attach with (2) 16d Common (0.162" x 3 1/2") Toe Nails @ Joints #3 & #4.

LOAD CASE(S) Standard



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Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 BEFORE USE.

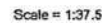
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSII/TPI Quality Criteria, DSR-69 and BC311 Building Component Safety Information, available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A MITek AIRMAIL

818 Soundside Road
Edenton, NC 27932

Maronda Homes Inc., Sanford, FL

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LUMBER

BRACING

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

Max Horz 1=321(LC 6)

Max UpliftB=-22(LC 7), 9=-46(LC 6), 10=-112(LC 6), 11=-115(LC 6), 12=-78(LC 6), 13=-186(LC 6)

Max Grav 1=119(LC 1), 8=12(LC 11), 9=183(LC 1), 10=265(LC 10), 11=222(LC 10), 12=119(LC 1), 13=298(LC 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=360/40, 2-3=237/12, 3-4=170/22, 4-5=87/20, 5-6=23/19, 6-7=8/14, 7-8=17/21

BOT CHORD 1-13=-2/0, 12-13=-2/0, 11-12=-2/0, 10-11=-2/0, 9-10=-2/0, 8-9=-2/0

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDF=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) 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) The truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 8, 46 lb uplift at joint 9, 112 lb uplift at joint 10, 115 lb uplift at joint 11, 78 lb uplift at joint 12 and 186 lb uplift at joint 13.

LOAD CASE(S) Standard



November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design void for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/ITPI Quality Criteria, D58-B8 and BC311 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

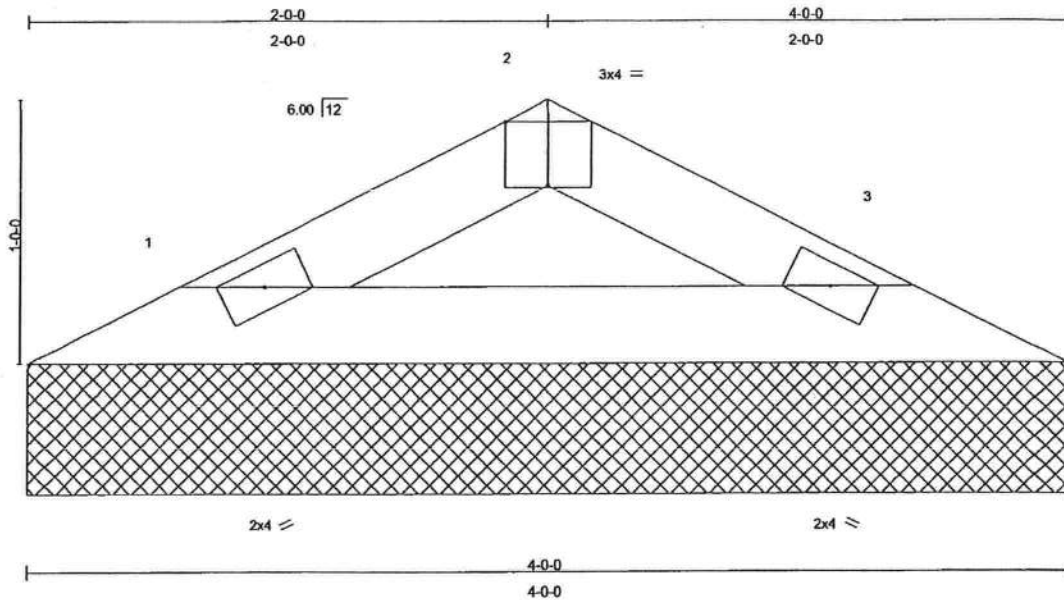
ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494521
WESTCOTT	V1	VALLEY	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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Scale: 1.5"=1'

Plate Offsets (X,Y): [2:0-2:0,Edge]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.03	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 11 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=119/4-0-0, 3=119/4-0-0
Max Horz 1=11(LC 5)
Max Uplift 1=23(LC 6), 3=23(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-82/69, 2-3=-82/69
BOT CHORD 1-3=-42/64

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Gable requires continuous bottom chord bearing.
- WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1 and 23 lb uplift at joint 3.

LOAD CASE(S) Standard



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FL COA #7239

November 2, 2007

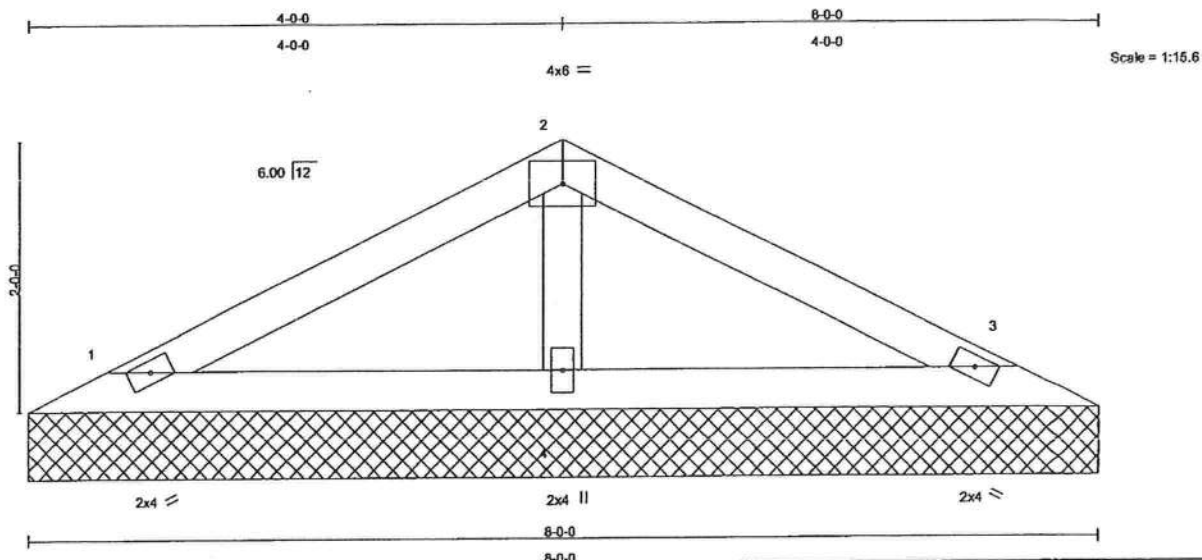
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oro Drive, Madison, WI 53719.

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TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494522
WESTCOTT	V2	VALLEY	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL			7.010 s Oct 16 2007 Mitek Industries, Inc. Thu Nov 01 11:44:30 2007 Page 1			



LOADING (psf)	SPACING	2'-0"	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.12	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.11	Vert(TL)	n/a	-	n/a	999	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 25 lb

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

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

REACTIONS (lb/size) 1=137/8-0-0, 3=137/8-0-0, 4=308/8-0-0
Max Horz 1=28(LC 5)
Max Uplift 1=45(LC 6), 3=50(LC 7), 4=20(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-46/40, 2-3=-46/39
BOT CHORD 1-4=-2/17, 3-4=-2/17
WEBS 2-4=-139/110

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) Gable requires continuous bottom chord bearing.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1, 50 lb uplift at joint 3 and 20 lb uplift at joint 4.

LOAD CASE(S) Standard



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November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-B9 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Ondra Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494525
WESTCOTT	V3	GABLE	2	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

7.010 s Oct 16 2007 Mitek Industries, Inc. Thu Nov 01 11:44:32 2007 Page 1

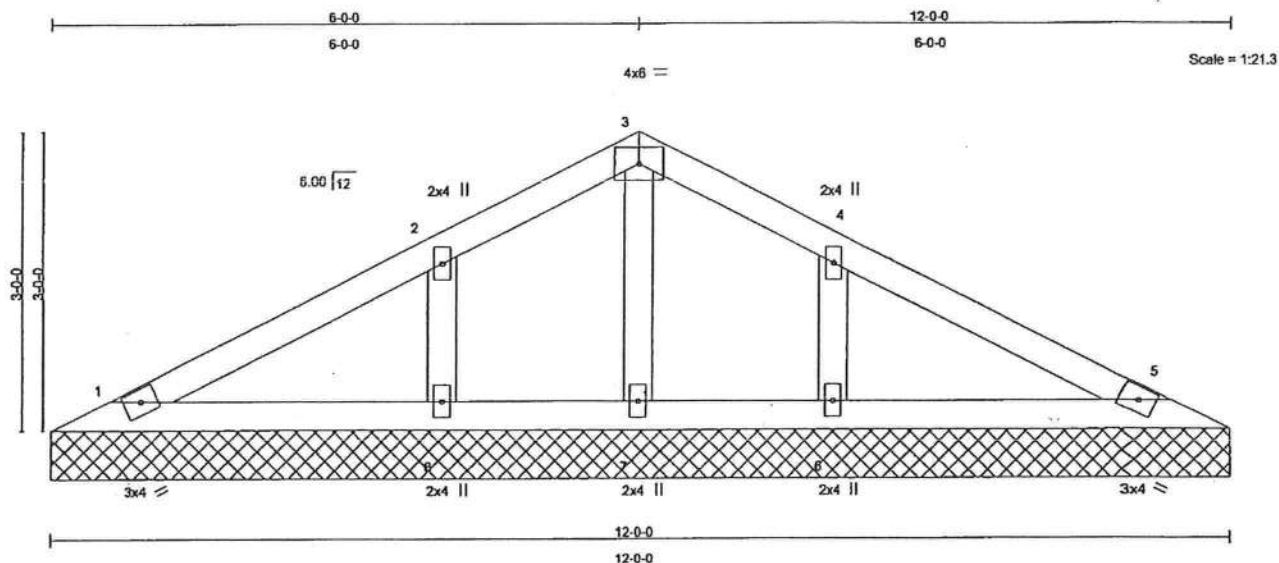


Plate Offsets (X,Y): [4:0-0-0-0-0], [5:0-0-0-0-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						Weight: 44 lb	

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

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

REACTIONS (lb/size) 1=120/12-0-0, 5=120/12-0-0, 7=72/12-0-0, 8=307/12-0-0, 6=307/12-0-0
Max Horz 1=-45(LC 4)
Max Uplift 1=-17(LC 7), 5=-22(LC 7), 8=-110(LC 6), 6=-110(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-34/37, 2-3=-36/83, 3-4=-36/83, 4-5=-28/37
BOT CHORD 1-8=0/42, 7-8=0/42, 6-7=0/42, 5-6=0/42
WEBS 3-7=-41/0, 2-8=-160/159, 4-6=-160/159

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 22 lb uplift at joint 5, 110 lb uplift at joint 8 and 110 lb uplift at joint 6.
- Non Standard bearing condition. Review required.

LOAD CASE(S) Standard



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November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE M1-1473 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 O'Connell Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494527
WESTCOTT	V4S	GABLE	1	1	Job Reference (optional)	
Maronde Homes Inc., Sanford, FL						7.010 s Oct 18 2007 MTEK Industries, Inc. Thu Nov 01 11:44:33 2007 Page 1

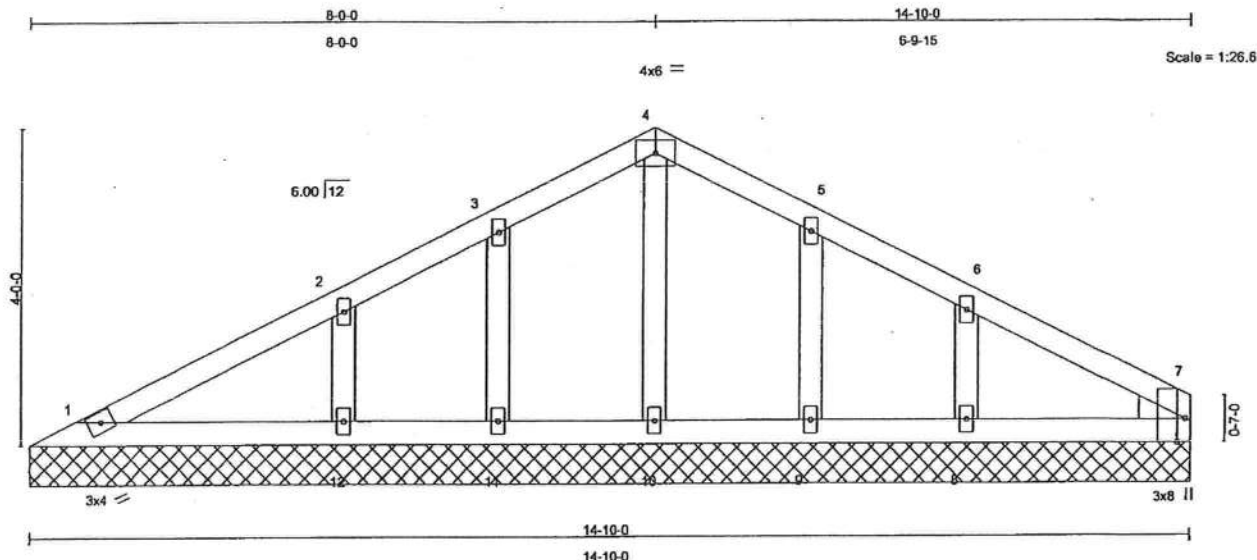


Plate Offsets (X,Y): [7:0-3-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 63 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 OTHERS 2 X 4 SYP No.2
 WEDGE
 Right: 2 X 4 SYP No.2

BRACING

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

REACTIONS (lb/size) 1=124/14-10-0, 10=181/14-10-0, 11=122/14-10-0, 12=297/14-10-0, 7=105/14-10-0, 9=141/14-10-0, 8=252/14-10-0
 Max Horz 1=61(LC 5)
 Max Uplift 1=17(LC 7), 11=45(LC 6), 12=109(LC 6), 7=8(LC 7), 9=50(LC 7), 8=100(LC 7)
 Max Grav 1=124(LC 1), 10=181(LC 1), 11=126(LC 10), 12=297(LC 1), 7=105(LC 1), 9=146(LC 11), 8=252(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=53/39, 2-3=41/72, 3-4=30/111, 4-5=31/112, 5-6=37/66, 6-7=34/30
 BOT CHORD 1-12=0/56, 11-12=0/56, 10-11=0/56, 9-10=0/56, 8-9=0/56, 7-8=0/56
 WEBS 4-10=90/0, 3-11=72/78, 2-12=155/155, 5-9=82/85, 6-8=131/140

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 45 lb uplift at joint 11, 109 lb uplift at joint 12, 8 lb uplift at joint 7, 50 lb uplift at joint 9 and 100 lb uplift at joint 8.
- Non Standard bearing condition. Review required.

LOAD CASE(S) Standard



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 Truss Engineering Co.
 818 Soundside Road
 Edenton, NC 27932
 FL COA #7239

November 2, 2007



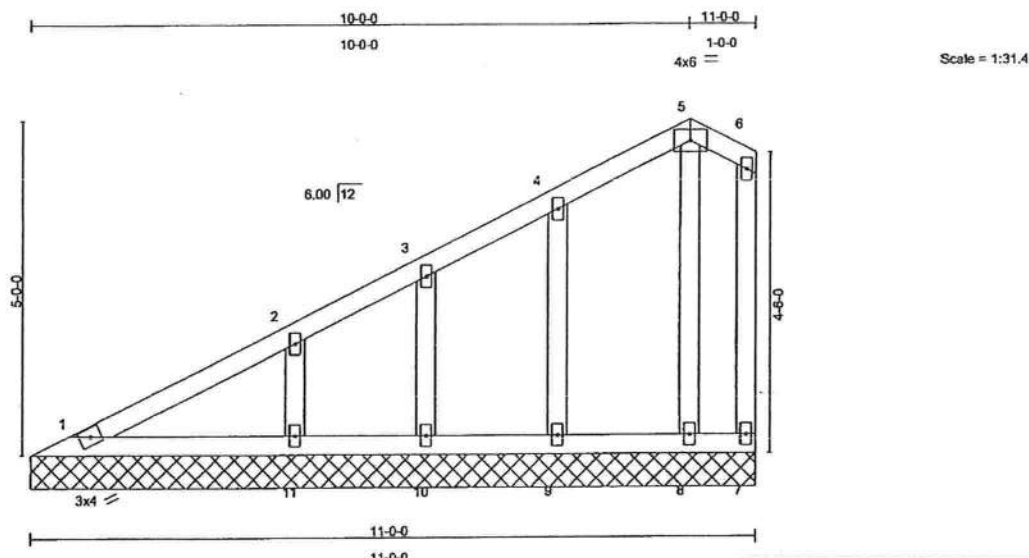
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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ENGINEERING BY
TRENCO
 A Mitek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job WESTCOTT	Truss V5S	Truss Type GABLE	City 1	Ply 1	WESTCOTT_FLORIDA_125	E4494529
Maronda Homes Inc., Sanford, FL			Job Reference (optional) 7.010 s Oct 16 2007 MITek Industries, Inc. Thu Nov 01 11:44:34 2007 Page 1			



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	Vdefl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.02	Horz(TL)	-0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)							Weight: 57 lb

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

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) 1=119/11-0-0, 7=4/11-0-0, 8=189/11-0-0, 9=235/11-0-0, 10=116/11-0-0, 11=299/11-0-0
Max Horz 1=183(LC 6)
Max Uplift 7=14(LC 7), 8=21(LC 6), 9=70(LC 6), 10=45(LC 6), 11=108(LC 6)
Max Grav 1=119(LC 1), 7=10(LC 2), 8=189(LC 1), 9=235(LC 10), 10=116(LC 10), 11=299(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-191/40, 2-3=-108/12, 3-4=-62/23, 4-5=-23/18, 5-6=-8/12, 6-7=-17/14
BOT CHORD 1-11=-1/0, 10-11=-1/0, 9-10=-1/0, 8-9=-1/0, 7-8=-1/0
WEBS 5-8=-69/57, 4-9=-102/113, 3-10=-67/84, 2-11=-155/158

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 1'-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 7, 21 lb uplift at joint 8, 70 lb uplift at joint 9, 45 lb uplift at joint 10 and 108 lb uplift at joint 11.
- Non Standard bearing condition. Review required.

LOAD CASE(S) Standard



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November 2, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and ECSI Building Component Safety Information available from Truss Plate Institute, 583 D'Oroffo Drive, Madison, WI 53719.

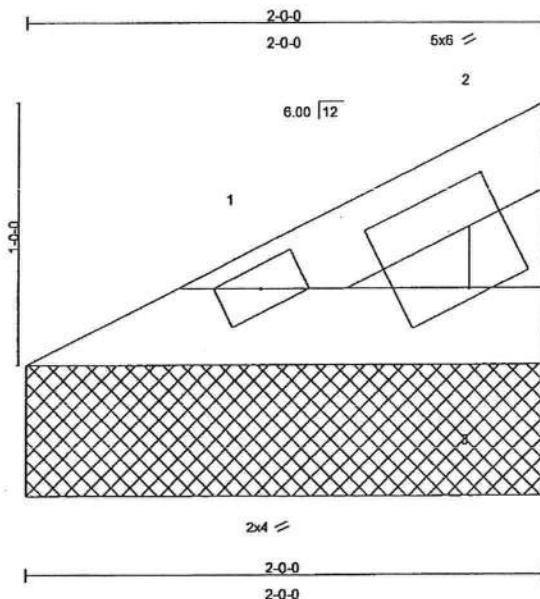
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TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494530
WESTCOTT	V6	MONO TRUSS	1	1	Job Reference (optional)	

Maronde Homes Inc., Sanford, FL

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Scale: 1.5"=1'

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.01	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	n/a	-	n/a	999	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	n/a	n/a	n/a	
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)						Weight: 6 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=39/2-0-0, 3=39/2-0-0
Max Horz 1=26(LC 6)
Max Uplift 1=1(LC 6), 3=18(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=21/9
BOT CHORD 1-3=0/0
WEBS 2-3=21/30

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Gable requires continuous bottom chord bearing.
- 4) WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 18 lb uplift at joint 3.

LOAD CASE(S) Standard



Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007



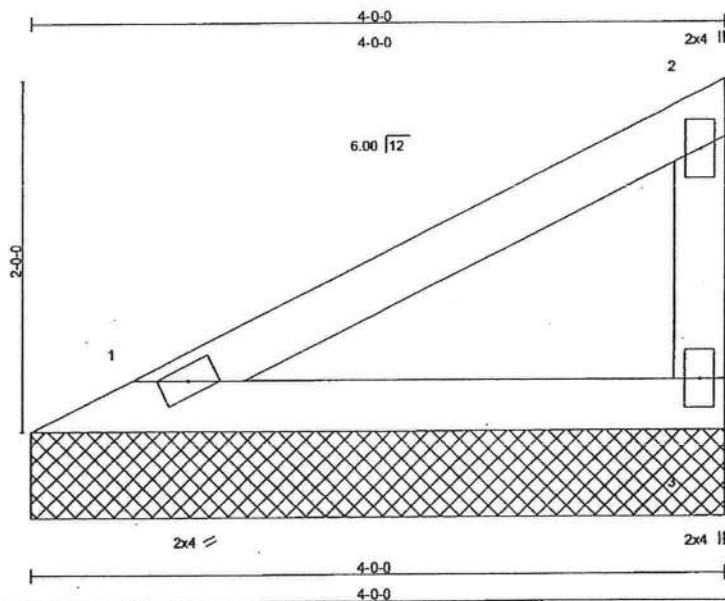
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSII Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494531
WESTCOTT	V7	MONO TRUSS	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						7,010 s Oct 16 2007 MiTek Industries, Inc. Thu Nov 01 14:39:10 2007 Page 1



Scale: 1"=1'

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.11	Vert(LL)	n/a	-	n/a	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	n/a	-	n/a		
BCCL 10.0	Rep Stress Incr	YES	WB 0.01	Horz(TL)	0.00		n/a		
BCDL 10.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 14 lb	

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

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

REACTIONS (lb/size) 1=139/4-0-0, 3=139/4-0-0
 Max Horz 1=67(LC 6)
 Max Uplift 1=17(LC 6), 3=51(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-51/27
 BOT CHORD 1-3=0/0
 WEBS 2-3=-74/90

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Gable requires continuous bottom chord bearing.
- 4) WARNING: Top chord roof live load is below minimum required by ASCE 7. The building design professional for the overall structure to verify adequacy of top chord live load.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1 and 51 lb uplift at joint 3.

LOAD CASE(S) Standard



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 818 Soundside Road
 Edenton, NC 27932
 FL COA #7239

November 2, 2007

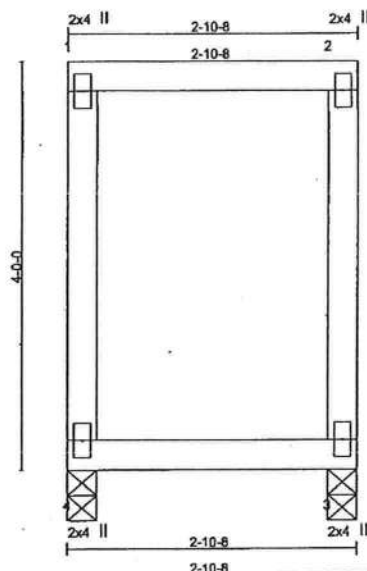
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE ML-7473 BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroffo Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4494532
WESTCOTT	V8	SPECIAL	1	1	Job Reference (optional)	
Maronda Homes Inc., Sanford, FL						

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Scale = 1:20.7

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.04	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.03	Vert(TL)	-0.00	3-4	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Rep Str Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 19 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=111/0-3-8, 3=111/0-3-8
Max Uplift=27(LC 4), 3=27(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-59/62, 1-2=-9/4, 2-3=-59/62
BOT CHORD 3-4=-4/9

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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 adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 4 and 27 lb uplift at joint 3.

LOAD CASE(S) Standard



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818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

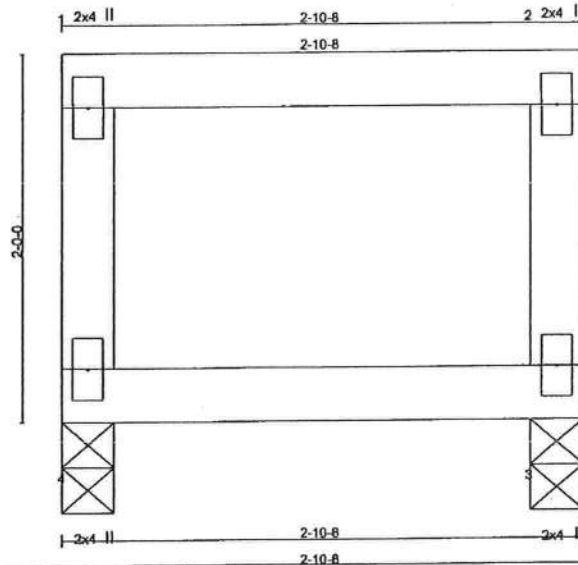
ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WESTCOTT_FLORIDA_125	E4484533
WESTCOTT	V8	SPECIAL	1	1	Job Reference (optional)	

Maronda Homes Inc., Sanford, FL

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Scale = 1:11.5

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.04	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	-0.00	3-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 13 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=111/0-3-8, 3=111/0-3-8
Max Uplift=27(LC 4), 3=27(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-59/62, 1-2=-23/9, 2-3=-59/62
BOT CHORD 3-4=-9/23

NOTES

- 1) Wind: ASCE 7-02; 125mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever 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 adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 4 and 27 lb uplift at joint 3.

LOAD CASE(S) Standard



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Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

November 2, 2007



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK REFERENCE PAGE MII-7473 BEFORE USE.

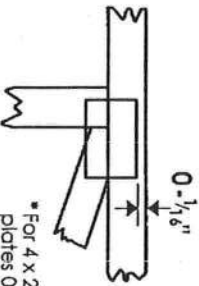
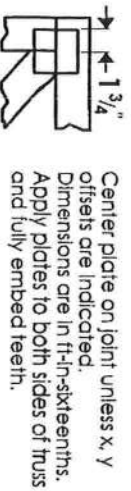
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oroville Drive, Madison, WI 53719.

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Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



* For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.

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

* Plate location details available in Mitek 20/20 software or upon request.

PLATE SIZE

4 X 4

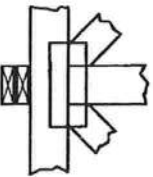
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

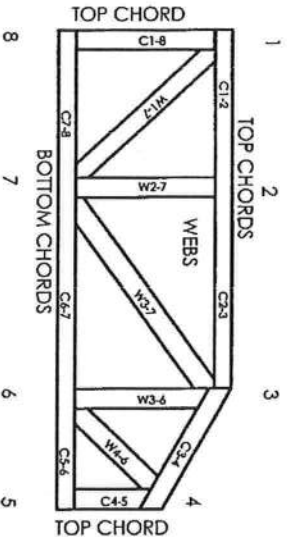


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:
ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in 1/16-in increments (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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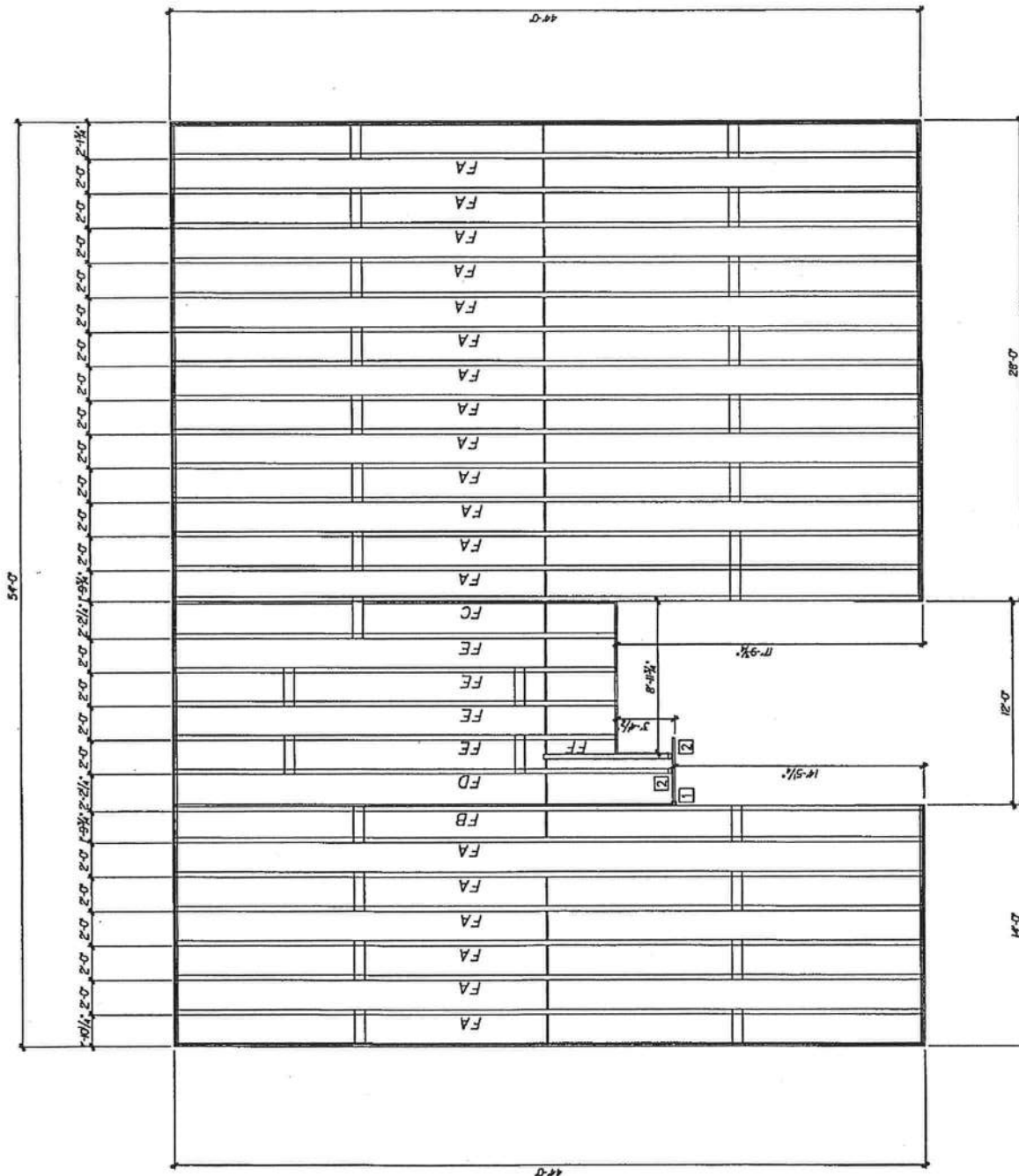
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g., diagonal or X-bracing, is always required. See BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stock materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Gamber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to comb for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP 1 Quality Criteria.

Mitek Engineering Reference Sheet: MIU-7473





SCALE: 1/8" = 1'-0"
DATE: 09/26/07

1.800.648.3597 • milekrusoor@dmj.com

DESIGNER: J. Pitcock
CHECKER: K. Cooper

TC LIVE	40.00	SNOW LOAD	N/A
TC DEAD	10.00	LUMBER DOL	1.00
BC LIVE	0.00	PLATE DOL	1.00
BC DEAD	5.00	WIND	N/A
TOTAL	55.00	SPACING	2'-0"

WESTCOTT - FL

GARAGE : RIGHT

**HARDWARE
LEGEND**
HARDWARE MANUFACTURED
BY USP

PERMIT

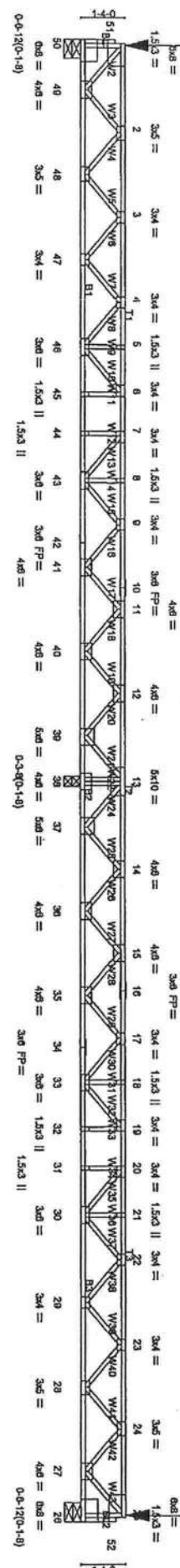
Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FA	FLOOR	19	1	ELEV F
Maronda Homes, Inc, Pittsburgh, PA					
7,000 s May 29 2007 Mitek Industries, Inc. Tue Nov 13 10:59:06 2007 Page 1					

0-1-8
H-1-3-0

1-0-4

1-0-4

0-1-8
Slope = 154.3



Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FA	FLOOR	19	1	ELEV F
Maronda Homes, Inc, Pittsburgh, PA					
7.000 s May 29 2007 MITek Industries, Inc. Tue Nov 13 10:59:06 2007 Page 2					

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2232 lb down at 0-2-4, and 2329 lb down at 4-3-7-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (pl)

Vert: 26-50=-10, 1-25=-100

Concentrated Loads (lb)

Vert: 1=-2232(F) 25=-2329(F)

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FB	FLOOR	1	1	ELEV F
Marionda Homes, Inc, Pittsburgh, PA					Job Reference (optional)
					7,000 s May 29 2007 MITtek Industries, Inc. Tue Nov 13 10:59:09 2007 Page 2

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 414 lb uplift at joint 50.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2232 lb down at 0-2-4, and 2329 lb down at 43-7-4, and 240 lb down at 14-4-14 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 26-51=-10, 1-25=-100
- Concentrated Loads (lb)
- Vert: 1=-2232(F) 25=-2329(F) 8=240(F)

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FC	FLOOR	1	1	ELEV F
Maronda Homes, Inc, Pittsburgh, PA					7,000 s May 29 2007 MITtek Industries, Inc. Tue Nov 13 10:59:13 2007 Page 2

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 47, 128 lb uplift at joint 49 and 191 lb uplift at joint 48.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2232 lb down at 0'-2"-4, and 2329 lb down at 4'-3"-7'-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 25-50=-10, 1-24=-100
Concentrated Loads (lb)
Vert: 1=-2232(F) 24=-2329(F)

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FD	FLOOR	1	1	ELEV F
Marionda Homes, Inc, Pittsburgh, PA					
7,000 s May 29 2007 Mitek Industries, Inc. Tue Nov 13 10:59:16 2007 Page 1					
Job Reference (optional)					

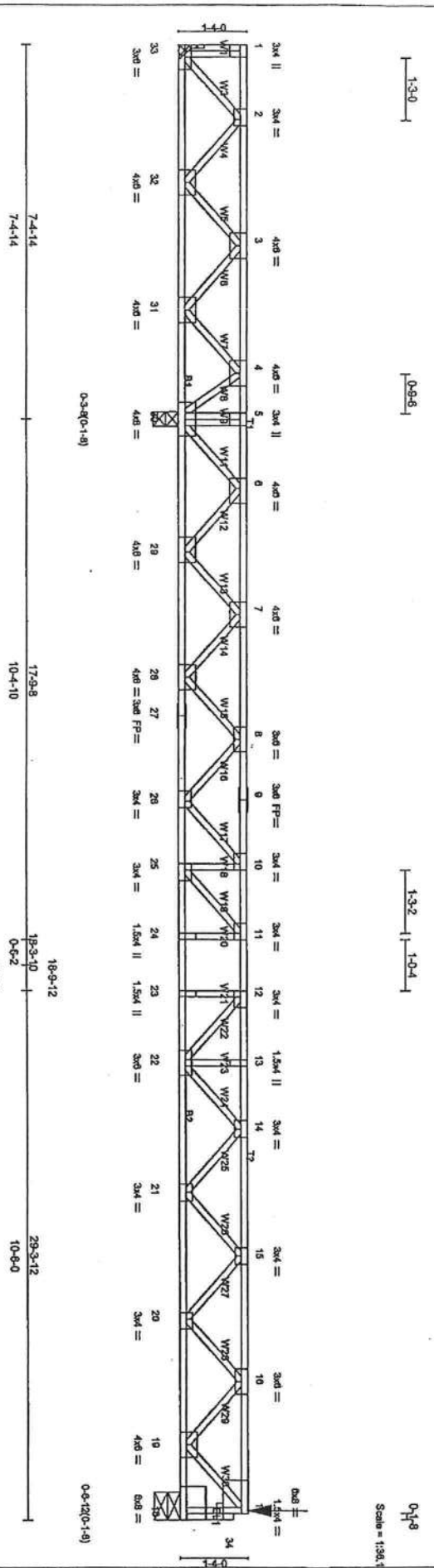


Plate Offsets (X,Y): [1:Edge,0-1-8], [2:0-1-8,Edge], [6:0-2-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [17:0-1-8,Edge], [18:Edge,0-1-8], [20:0-1-8,Edge], [25:0-1-8,Edge], [26:0-1-8,Edge], [29:0-2-8,Edge], [34:0-1-8,0-0-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.86	in (loc)	MT20	244/190
TCCL 10.0	Lumber Increase	1.00	BC 0.93	Vert(TL)		
BCCL 0.0	Rep Stress Incr	NO	WB 0.66	Vert(TL)		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL)		
						Weight: 156 lb

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

REACTIONS
 (lb/size) 33=249/Mechanical, 18=3296/0-6-12, 30=2473/0-3-8
 Max Uplift33=523(LC 3)
 Max Grav33=206(LC 2), 18=3302(LC 3), 30=2473(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD
 1-33=41/0, 18-34=3298/0, 17-34=3294/0, 1-2=0/0, 2-3=-115/1216, 3-4=0/2540, 4-5=0/3885, 5-6=0/3886, 6-7=0/1176, 7-8=-969/0, 8-9=-2434/0, 9-10=-2434/0, 10-11=-3017/0, 11-12=-3528/0, 12-13=-3743/0, 13-14=-3743/0, 14-15=-3397/0, 15-16=-2556/0, 16-17=-1105/0, 17-18=-614/176, 31-32=-1850/23, 30-31=-3247/0, 29-30=-2360/0, 28-29=-3281/91, 27-28=-0/1839, 26-27=0/1839, 25-26=0/3017, 24-25=0/3528, 23-24=0/3528, 22-23=0/3528, 21-22=0/3670, 20-21=0/3105, 19-20=0/1978, 18-19=0/170
 BOT CHORD
 5-30=-77/0, 11-24=-112/91, 12-23=-261/34, 2-33=-235/817, 2-32=-838/0, 3-32=0/882, 3-31=-1163/0, 4-31=0/1186, 4-30=-1267/0, 6-30=-2037/0, 6-29=0/1648, 7-29=-1617/0, 7-28=0/1254, 8-28=-1219/0, 8-26=0/836, 10-26=-799/0, 10-25=0/480, 11-25=-898/0, 12-22=-206/555, 13-22=-209/0, 14-22=-57/225, 14-21=-380/0, 15-21=0/405, 15-20=-764/0, 16-20=0/804, 16-19=-1214/0, 17-19=0/1271

NOTES
 1) Unbalanced floor live loads have been considered for this design.
 2) The design is based on a plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FD	FLOOR	1	1	ELEV F
Marionda Homes, Inc, Pittsburgh, PA					Job Reference (optional)
					7.000 s May 29 2007 MITek Industries, Inc. Tue Nov 13 10:59:16 2007 Page 2

NOTES

- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 523 lb uplift at joint 33.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2329 lb down at 29'-1-8" on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
Vert: 18-33=-10, 1-17=-100
- Concentrated Loads (lb)
Vert: 17=-2329(F)

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL ELEV	FE	FLOOR	4	1	ELEV E
Maronda Homes, Inc, Pittsburgh, PA					Job Reference (optional)
					7.000 s May 29 2007 MITek Industries, Inc. Tue Nov 13 10:59:19 2007 Page 1

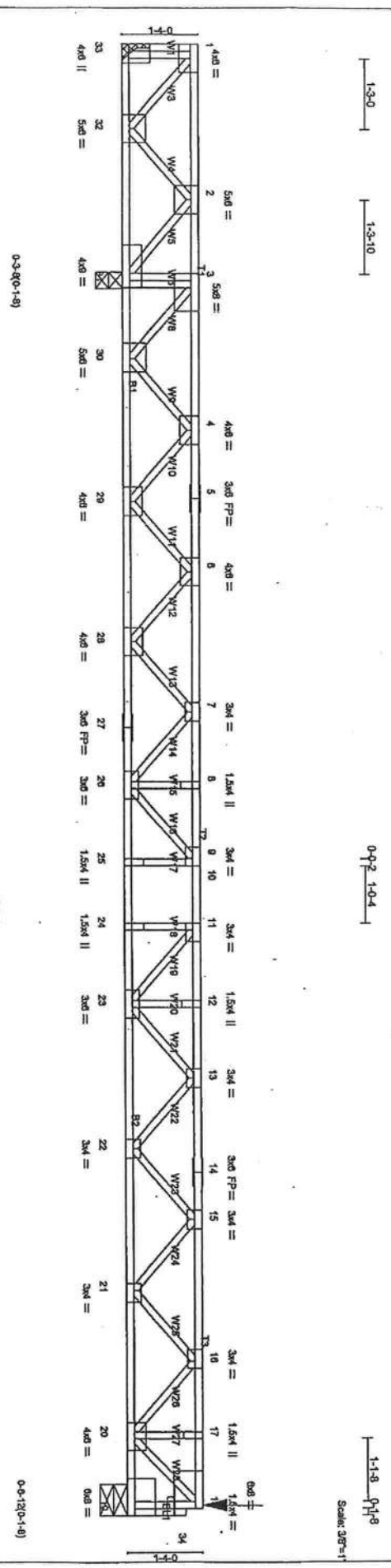


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-3-0,Edge], [10:0-1-10,Edge], [11:0-1-8,Edge], [16:0-1-8,Edge], [18:0-1-8,Edge], [19:Edge,0-1-8], [20:0-2-0,Edge], [21:0-1-8,Edge], [30:0-2-12,Edge], [31:0-3-0,Edge], [33:Edge,0-1-8], [34:0-1-8,0-0-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCIL 40.0	Plates Increase	1.00	TC 0.96	Vert(L)	-0.31	23-24	>854	360	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.97	Vert(TL)	-0.48	23-24	>547	240	
BCIL 0.0	Rep Stress Incr	NO	WB 0.78	Horz(TL)	0.04	19	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight 141 lb

LUMBER
 TOP CHORD 4 X 2 SYP No.2 *Except*
 11 4 X 2 SYP No.1D
 BOT CHORD 4 X 2 SYP No.2 *Except*
 B2 4 X 2 SYP No.1D
 WEBS 4 X 2 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except
 6-0-0 oc bracing: 31-32,30-31,29-30.

REACTIONS (lb/size) 33=1001/Mechanical, 19=3292/0-6-12, 31=2883/0-3-8
 Max Uplift33=1158(LC 3)
 Max Grav19=3293(LC 3), 31=2883(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-33=0/1161, 19-34=3290/0, 18-34=3286/0, 1-2=0/1346, 2-3=0/4039, 3-4=0/2577, 4-5=40/343, 5-6=40/343, 6-7=1609/0, 7-8=2862/0, 8-9=2862/0, 9-10=3437/0, 10-11=3437/0, 11-12=3686/0, 12-13=3686/0, 13-14=3354/0, 14-15=3354/0, 15-16=2521/0, 16-17=1101/0, 17-18=1101/0, 18-19=1101/0, 19-20=1101/0, 20-21=1101/0, 21-22=1101/0, 22-23=0/3616, 23-24=2587/0, 24-25=4039/0, 25-26=0/2343, 26-27=0/2343, 27-28=0/2343, 28-29=0/843, 29-30=0/2343, 30-31=3354/0, 31-32=3354/0, 32-33=0/0, 33-34=2587/0, 34-35=4039/0, 35-36=0/2343, 36-37=0/2343, 37-38=0/2343, 38-39=0/2343, 39-40=0/2343, 40-41=0/2343, 41-42=0/2343, 42-43=0/2343, 43-44=0/2343, 44-45=0/2343, 45-46=0/2343, 46-47=0/2343, 47-48=0/2343, 48-49=0/2343, 49-50=0/2343, 50-51=0/2343, 51-52=0/2343, 52-53=0/2343, 53-54=0/2343, 54-55=0/2343, 55-56=0/2343, 56-57=0/2343, 57-58=0/2343, 58-59=0/2343, 59-60=0/2343, 60-61=0/2343, 61-62=0/2343, 62-63=0/2343, 63-64=0/2343, 64-65=0/2343, 65-66=0/2343, 66-67=0/2343, 67-68=0/2343, 68-69=0/2343, 69-70=0/2343, 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Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FE	FLOOR	4	1	ELEV E
Maronda Homes, Inc, Pittsburgh, PA					Job Reference (optional)
					7,000 s May 29 2007 MITek Industries, Inc. Tue Nov 13 10:59:19 2007 Page 2

NOTES

- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1158 lb uplift at joint 33.
- 5) Uplift for first LC exceeds limits
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2329 lb down at 25'-10"-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (pl)

Vert: 19-33=-10, 1-18=-100

Concentrated Loads (lb)

Vert: 18=-2329(F)

Job	Truss	Truss Type	Qty	Ply	WESTCOTT FL
ALL_ELEV	FF	FLOOR	1	1	ELEV F
Maronda Homes, Inc, Pittsburgh, PA					
7,000 s May 29 2007 MITtek Industries, Inc. Tue Nov 13 10:59:20 2007 Page 1					

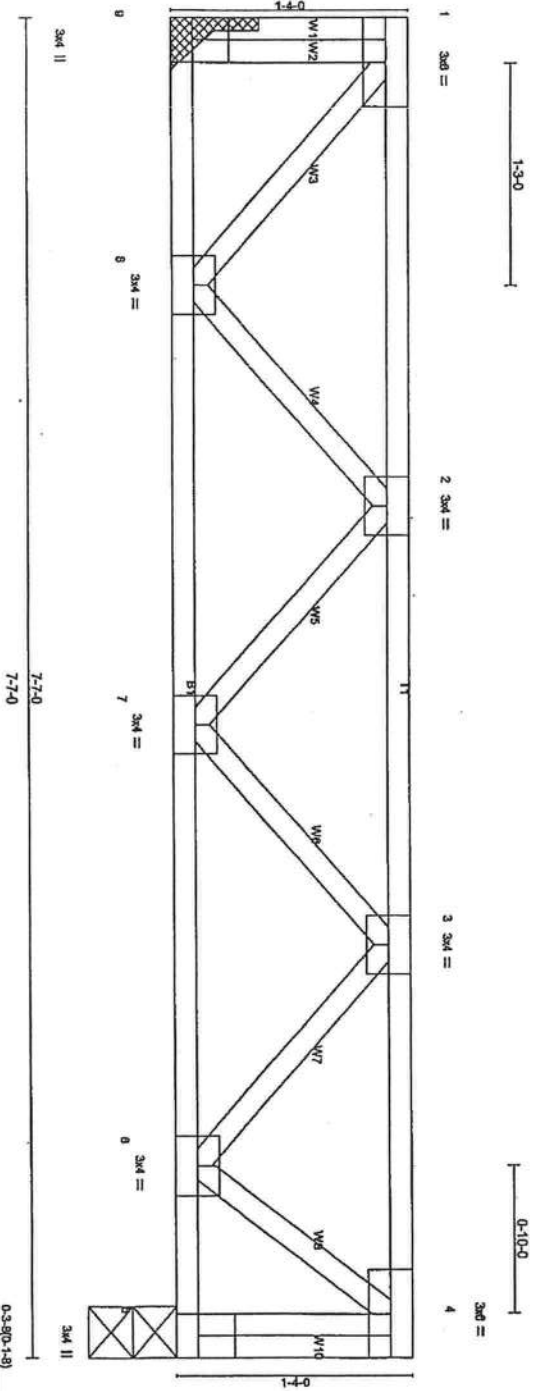


Plate Offsets (X,Y): [9:Edge,0-1-8]

LOADING	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 40.0	Plates Increase 2-0-0	TC 0.38	Vert(LL) -0.01	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.16	Vert(TL) -0.02		
BCLL 0.0	Rep Stress Incr NO	WB 0.18	Horz(TL) 0.00		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 43 lb

LUMBER	TOP CHORD 4 X 2 SYP No.2	BRACING	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
	BOT CHORD 4 X 2 SYP No.2		Rigid ceiling directly applied or 10-0-0 oc bracing.
	WEBS 4 X 2 SYP No.3		

REACTIONS (lb/size) 9=403/Mechanical, 5=403/0-3-8

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-9=-398/0, 4-5=-401/0, 1-2=-333/0, 2-3=-597/0, 3-4=-249/0
 BOT CHORD 8-9=0/0, 7-8=0/615, 6-7=0/553, 5-6=0/0
 WEBS 1-8=0/443, 2-8=-392/0, 2-7=24/0, 3-7=0/62, 3-6=-423/0, 4-6=0/400

NOTES

- 1) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
- 2) Refer to girders for truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

27075

FIELD DENSITY WORKSHEET

CLIENT MARONDA HOMES DATE 11 JUN 08
 PROJECT NO. _____
 PROJECT NAME TIMBER LANDS LOT # 23 PERMIT NO. #0000 26622
 EARTH CONTRACTOR LAKE CITY JOB # 9Tm02301 TESTED BY JWL
 COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor PATRICK FIELD CONTACT
☒ Modified Proctor
 TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☐ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
CTR. of PAD	103.7	12.0	12"	12"	11.9	113.5	101.4	97.8
CTR. of N. FTL	h	h	h	h	13.4	112.4	99.1	95.6
CTR. of S. FTL	h	h	h	h	12.8	112.2	99.5	95.9

REMARKS _____

* Density failed to meet minimum project requirement
 ** Retest indicates minimum density requirement was obtained.
 () Client is aware of unsatisfactory test results.

COLUMBIA COUNTY OFFICE COLUMBIA

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 10-4S-16-02856-123

Building permit No. 000027075

Use Classification SFD, UTILITY

Fire: 77.00

Permit Holder THEODORE BROCK

Waste: 201.00

Owner of Building MARONDA HOMES

Total: 278.00

Location: 204 SW TIMBER RIDGE DR., LAKE CITY, FL

Date: 10/17/2008

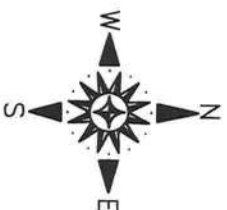
Tony Dicks

Building Inspector

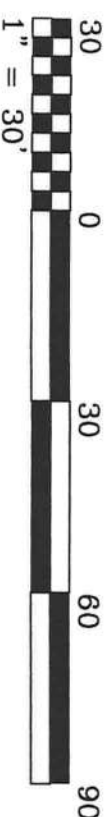


POST IN A CONSPICUOUS PLACE
(Business Places Only)

LEGAL DESCRIPTION:
LOT TWENTY-THREE (23) OF "TIMBERLANDS" AS PER
PLAT THEREOF, AS RECORDED IN PLAT BOOK '9',
PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA
COUNTY, FLORIDA.



BOUNDARY SURVEY
IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE
16 EAST, COLUMBIA COUNTY, FLORIDA
S.W. TIMBER RIDGE DRIVE



CERTIFIED TO:

- 1) MARONDA HOMES

BEARING NOTE:

BEARINGS SHOWN HEREON ARE REFERRED TO AN
ASSUMED VALUE OF N. 89°43'38" W., FOR THE
SOUTH RIGHT-OF-WAY LINE OF S.W. TIMBER
RIDGE DRIVE.

BUILDING SETBACK NOTE:

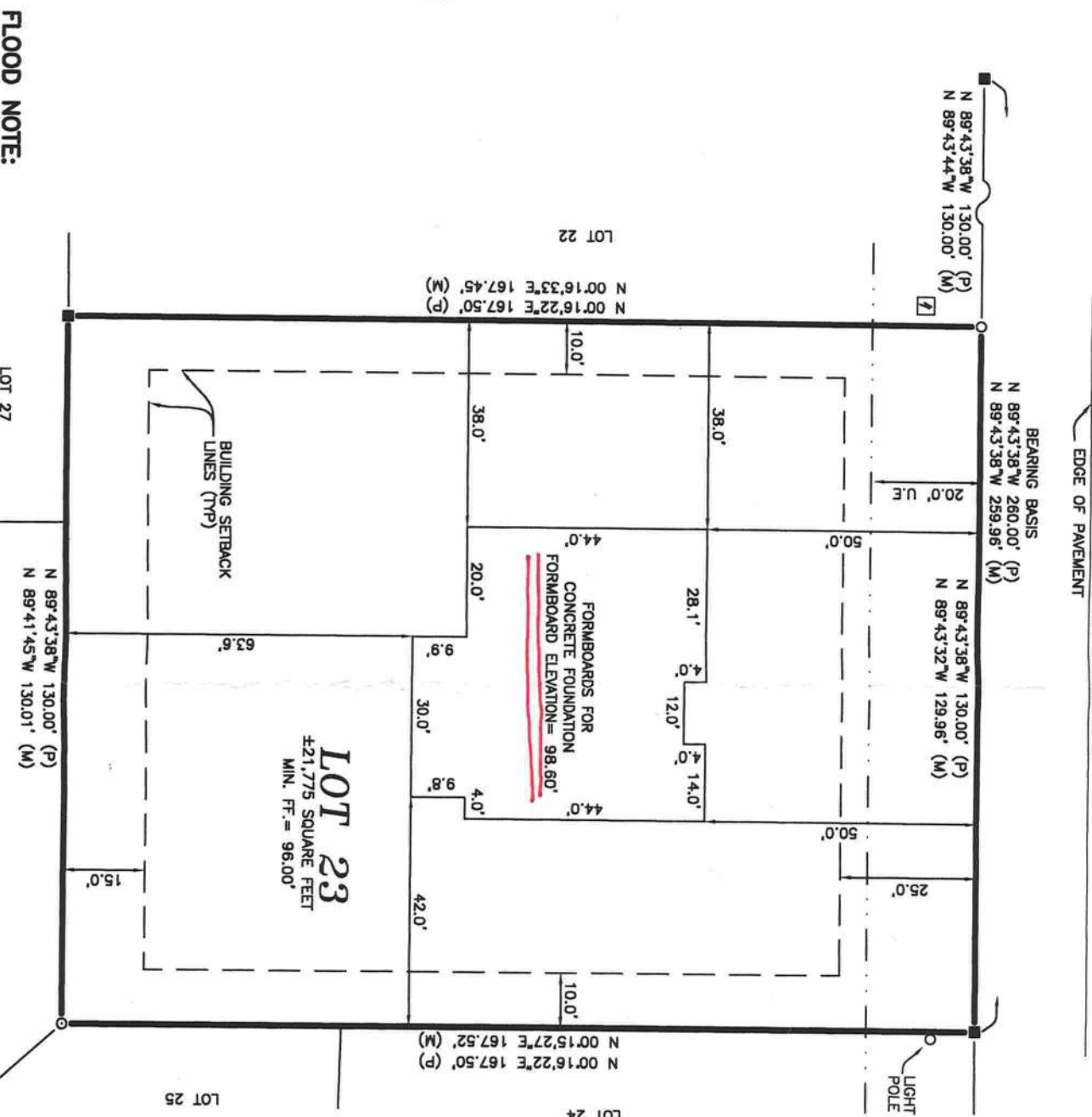
BUILDING SETBACK INFORMATION FOR
"TIMBERLANDS" IS AS FOLLOWS: FRONT
25', REAR 15', SIDE 10'

BENCHMARK NOTE:

ELEVATIONS SHOWN HEREON ARE BASED UPON A BENCHMARK SET IN A
8" PINE AT THE FRONT OF LOT 2, WITH AN ELEVATION OF 98.76'. THIS
INFORMATION WAS PROVIDED TO THIS SURVEYOR BY BRITT SURVEYING
(PLATTING SURVEYOR) DATUM UNKNOWN.

SURVEYOR NOTES:

- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO
ENCROACHMENTS, BOUNDARY LINE DISPUTES,
EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN
ARE DEPICTED ON THIS DRAWING.
- 2) ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT
BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR THE BOUNDARY
SHOWN HEREON BEST REPRESENTS THE LOCATION OF
THE SUBJECT PROPERTY IN RELATION TO THE
DESCRIPTION AND THOSE PROPERTY CORNERS FOUND
TO BE ACCEPTABLE TO THIS SURVEYOR.
- 4) BUILDING SETBACK LINES DEPICTED HEREON ARE
SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT
TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE
APPROPRIATE GOVERNING AUTHORITY SHOULD BE
CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
- 5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED
AS OF THE DATE OF FIELD WORK COMPLETION (SEE
TITLE BLOCK).
- 6) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN
LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE
DEPICTED HEREON.



FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE
NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE
MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88,
THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA
DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS
SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL
EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE
RATE MAPS, SHOWN ON THIS MAP, WAS CURRENT AS OF THE
PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED
ON THE MOST CURRENT MAP.

TITLE NOTE:

THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE
DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH. THIS
SURVEYOR HAS NOT PERFORMED A SEARCH OF THE
PUBLIC RECORDS ON THIS PARCEL FOR ANY CLAIMS OF
TITLE EASEMENTS OR RESTRICTIONS THAT MAY EFFECT
THIS PARCEL. THE PRESENCE OR ABSENCE OF ANY SUCH
CLAIMS ARE NOT CERTIFIED HEREON.

LEGEND:

- = FOUND 1/2" REBAR NO IDENTIFICATION
 - = FOUND 1/2" REBAR & CAP
 - = SET 1/2" REBAR & CAP
 - = FOUND 3/4" IRON PIPE
 - = FOUND 4" X 4" CONC. MON.
 - = SET 4" X 4" CONC. MON.
 - × = SET NAIL & DISK P.S.M. 5582
 - × = FOUND NAIL & DISK
 - ⊠ = FOUND 6" X 6" S.R.D.
 - ⊠ = CATV RISER
 - ⊠ = TELEPHONE PEDESTAL
 - ⊠ = WOOD POWER POLE
- ABBREVIATIONS:**
- A/C = AIR CONDITIONER
 - ASPH = ASPHALT
 - C = CALCULATED FROM MEASURED
 - CATV = CABLE TELEVISION
 - C/B = CONCRETE BLOCK
 - CLF = CHAIN LINK FENCE
 - CM = CONCRETE MONUMENT
 - CONC = CONCRETE
 - ELEC = ELECTRIC
 - ELEV = ELEVATION
 - FNC = FENCE
 - LB = LICENSED SURVEYOR BUSINESS
 - (M) = FIELD MEASURED
 - MH = MANHOLE
 - O.U. = OVERHEAD UTILITIES
 - P = PLAT
 - P.B. = PLAT BOOK
 - P.U.E. = PUBLIC UTILITIES EASEMENT
 - TRANS = TRANSFORMER
 - TYP = TYPICAL
 - WM = WATER METER
 - WV = WATER VALVE

CERTIFICATE OF SURVEYOR:

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF
A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS
TO THIS MAP BY ANYONE OTHER THAN THIS SURVEYOR IS PROHIBITED.

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A
TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER
MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS
THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA
BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA
STATUTES, AND CHAPTER 64G17-6, FLORIDA ADMINISTRATIVE CODE.

BY: *James E. Brinkman* PSM FLA. CERT# 5582
DATE: 5/14/08



BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609
PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'

DATE: 5/13/08 "THE BENCHMARK IN QUALITY SERVICE"

DRAWN BY: ZL

FIELD WORK COMPLETED ON 5/12/08 FIELDBOOK 87, PAGE 62

CHECKED BY: J.B.

PREPARED FOR: MARONDA

DRAWING NUMBER 070-08

*Permit # 27075
Lot 23 (Timberlands)*

LEGAL DESCRIPTION:

LOT TWENTY-THREE (23) OF "TIMBERLANDS" AS PER PLAT THEREOF, AS RECORDED IN PLAT BOOK '9', PAGE 27 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

- 1) MARONDA HOMES

BUILDING SETBACK NOTE:

BUILDING SETBACK INFORMATION FOR "TIMBERLANDS" IS AS FOLLOWS: FRONT 25', REAR 15', SIDE 10'

SURVEYOR NOTES:

- 1) TO THE BEST OF MY KNOWLEDGE, THERE ARE NO ENCROACHMENTS, BOUNDARY LINE DISPUTES, EASEMENTS, OR CLAIMS OF EASEMENTS, OTHER THAN ARE DEPICTED ON THIS DRAWING.
- 2) ALL UTILITIES AND OR IMPROVEMENTS, IF ANY, MAY NOT BE SHOWN ON THIS DRAWING.
- 3) IN THE OPINION OF THIS SURVEYOR THE BOUNDARY SHOWN HEREON BEST REPRESENTS THE LOCATION OF THE SUBJECT PROPERTY IN RELATION TO THE DESCRIPTION AND THOSE PROPERTY CORNERS FOUND TO BE ACCEPTABLE TO THIS SURVEYOR.
- 4) BUILDING SETBACK LINES DEPICTED HEREON ARE SHOWN AS PER THE RECORD PLAT, BUT ARE SUBJECT TO CHANGE. PRIOR TO ANY NEW CONSTRUCTION, THE APPROPRIATE GOVERNING AUTHORITY SHOULD BE CONTACTED FOR THE CURRENT SETBACK REQUIREMENTS.
- 5) THIS MAP OF SURVEY REFLECTS CONDITIONS LOCATED AS OF THE DATE OF FIELD WORK COMPLETION (SEE TITLE BLOCK).
- 6) AREAS OF ENVIRONMENTAL CONCERN HAVE NOT BEEN LOCATED BY THIS SURVEYOR, UNLESS OTHERWISE DEPICTED HEREON.

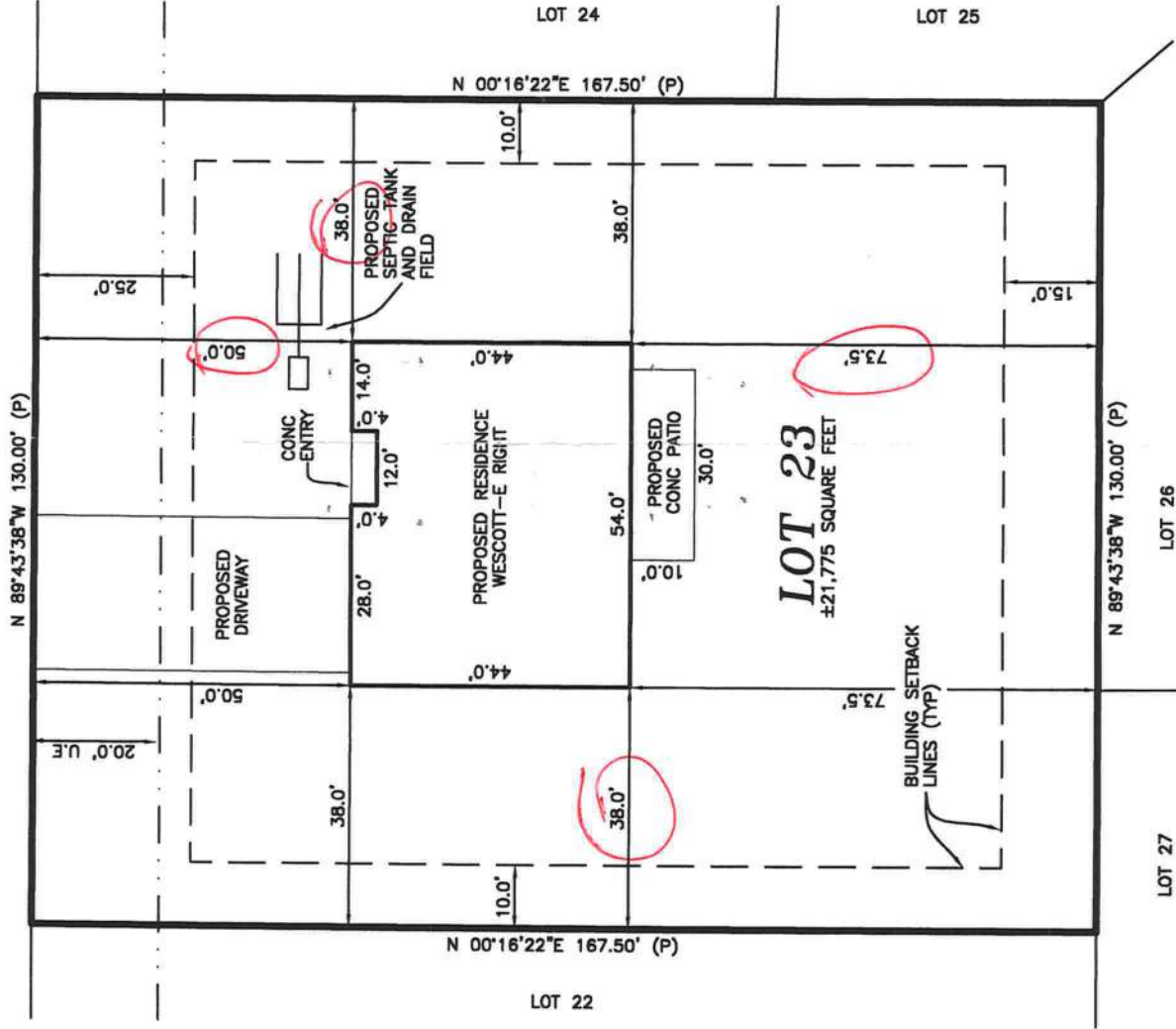


PROPOSED BUILDING LAYOUT

IN SECTION 10, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

S.W. TIMBER RIDGE DRIVE

60' RIGHT-OF-WAY

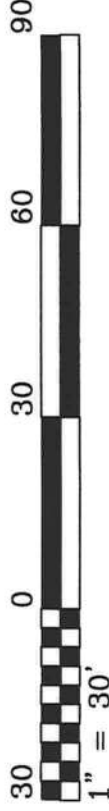


FLOOD NOTE:

IN THE OPINION OF THIS SURVEYOR, ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070-0175-B, DATED 1-6-88, THIS PROPERTY IS IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, AS SCALED FROM SAID MAP. INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.

TITLE NOTE:

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LEGEND:

- = FOUND 1/2" REBAR NO IDENTIFICATION
○ = FOUND 1/2" REBAR & CAP L.B. 6894
○ = SET 1/2" REBAR & CAP L.B. 6894
○ = FOUND 3/4" IRON PIPE
■ = FOUND 4" X 4" CONC. MON. NO IDENTIFICATION
□ = SET 4" X 4" CONC. MON. P.S.M. 5582
X = SET NAIL & DISK P.S.M. 5582
X = FOUND NAIL & DISK P.U.E. 5582
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(M) = FIELD MEASURED
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O.U. = OVERHEAD UTILITIES
P = PLAT BOOK
PB = PUBLIC UTILITIES EASEMENT
P.U.E. = TRANSFORMER
TRANS = TYPICAL
TYP = TYPICAL
WM = WATER METER
WV = WATER VALVE

THIS IS NOT A BOUNDARY SURVEY
CERTIFICATE OF SURVEYOR:

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BY: *James E. Brinkman*
JAMES E. BRINKMAN, FSM - FLA. CERT# 5582
DATE: 4/22/08



BRINKMAN SURVEYING & MAPPING INC.

4607 NW 6th STREET SUITE C, GAINESVILLE, FL 32609

PHONE: (352) 374-7707 FAX: (352) 374-8757

SCALE: 1" = 30'

DATE: 4/22/08

"THE BENCHMARK IN QUALITY SERVICE"

DRAWN BY: ZL

CHECKED BY: J.B.

FIELD WORK COMPLETED ON **** FIELDBOOK **, PAGE **

PREPARED FOR: MARONDA

DRAWING NUMBER

070-08

**HOMETEAM****PEST DEFENSE®****TREATMENT WORKORDER****27075**☐ Termite Baiting System w/Tubes-under-the slab☐ Treat Only☒ Tubes-under-the slab and Treat☐ Bora-Care

DATE CALLED IN:		DATE OF SCHEDULE:	6-13
TIME CALLED IN:		TIME SCHEDULE:	8:30

JOB NAME:	Maronda	SUBDIVISION:	Timberland
JOB ADDRESS:	<i>[Handwritten address]</i>		
BILLING NAME:		BILLING PHONE:	
BILLING ADDRESS:			
CALLLED IN BY:	PHONE:	PERMIT NUMBER:	<i>[Handwritten permit number]</i>

LOT & MODEL NUMBER: Lot 23DATE & TIME COMPLETED: 6-13-08SQUARE FOOT: 2676 LINEAR FOOT: _____ BLOCKVOIDS: _____SLAB TYPE: MONO TYPE OF FILL: Sand

APPROX. DEPTH OF FOOTING: Outside: _____ Inside: _____

☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway☐ Final/Completion ☐ Other _____PESTICIDE USED: Imaxx Pro TOTAL APPLIED: 135galPERCENT (%) USED: .190 STICKER POSTED: yes

PRICE PER SQ. FT. =	TOTAL FOR P.T.	
	ADDITIONAL	
	TAX:	
<u>1</u> <u>1</u>	TOTAL AMOUNT	\$ <u><i>[Handwritten amount]</i></u>

☒ X **TECHNICIAN:** *[Handwritten signature]*

I hereby acknowledge the satisfactory completion of the above described work.

FEEs:

ROAD IMPACT FEE \$1,046.00 CODE 210 UNIT 1

10100003632400

EMS IMPACT FEE \$29.88

10300003632210

FIRE PROTECTION IMPACT FEE \$78.63

10200003632220

CORRECTIONS IMPACT FEE \$409.16

00100003632200

SCHOOL IMPACT FEE \$1,500.00

00100003632900

$$\begin{array}{r} \$1260.56 \\ 25 \text{ count} \\ \hline 1285.56 \end{array}$$

TOTAL FEES CHARGED \$3,063.67 CHECK NUMBER _____