DATE 09/25/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025005

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32024

OWNER PETER & HOLLY GIEBEIG PHONE 752-0791

ADDRESS 194 SW VANN COURT LAKE CITY FL 32024

CONTRACTOR TRENT GIEBEIG CONSTRUCTION PHONE 397-0545

LOCATION OF PROPERTY 247S, TR ON MAYFAIR, TR ON VANN COURT, 4TH ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 146950.00

HEATED FLOOR AREA 2939.00 TOTAL AREA 3806.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 21

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

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

PARCEL ID 11-4S-16-02911-312 SUBDIVISION MAYFAIR

LOT 12 BLOCK PHASE 3 UNIT TOTAL ACRES

000001210 RR28281153

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

CULVERT 06-0770-N BK JH Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 2058

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 735.00 CERTIFICATION FEE $ 19.03 SURCHARGE FEE $ 19.03

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** 873.06

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

ATS# 15948

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, FL 32055

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 8th day of September, 2006 by

Peter W. Giebelg, A Single Person

Inst:2006021428 Date:09/08/2006 Time:14:01
Doc Stamp-Deed : 402.50
DC,P.DeWitt Cason,Columbia County B:1085 P:867

hereinafter called the grantor, to

Peter W. Giebelg, Jr., and his wife, Holly L. Giebelg

whose post office address is: 126 SW Tarragon Glen, Lake City, FL 32024
hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# P/O R02914-003

Lot 12, Mayfair Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Cheryl Beaty
Cheryl Beaty
Printed Name

Witness Lori G. Simpson
Lori G. Simpson
Printed Name

Peter W. Giebelg
Peter W. Giebelg

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 8th day of September, 2006 by Peter W. Giebelg, A Single Person personally known to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

(SEAL)

DORIS M DRAKE
MY COMMISSION # DD397517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

Notary Public

My Commission Expires:

Received Time Sep. 13. 11:11AM

1594

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Bonnie Cox
Deputy Clerk
Date 9/8/06

This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713.13, Florida Statues, the following is provided in this Notice of Commencement:

1. Description of Property: Lot 12, Mayfair Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

2. General Description of Improvement: Construction of Dwelling

3. Owner Information:

   a. Name and Address: Peter W. Giebeig, Jr. and his wife, Holly L. Giebeig, 126 SW Tarragon Glen, Lake City, Fl 32024

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address: Trent Giebeig Construction, Inc., 462 SW Fairlington Court, Lake City, Fl 32025

5. Surety:

   a. Name and Address: N/A

   b. Amount of Bond: N/A

Inst:2006021431 Date:09/08/2006 Time:14:01
DC,P.DeWitt Cason,Columbia County B:1095 P:981

6. LENDER: First Federal Savings Bank of Florida
   4705 West US Highway 90
   PO Box 2029
   Lake City, FL 32056

7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.

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

***Owner is used for singular or plural as context requires.**

Signed, sealed and delivered in the presence:

WITNESS Cheryl Beaty / Cheryl Beaty

WITNESS Traci Landry / Traci Landry

Peter W. Giebeig, Jr.

Holly L. Giebeig

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared Peter W. Giebeig, Jr., and his wife, Holly L. Giebeig to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 8th day of September, 2006.

(SEAL)

NOTARY PUBLIC STATE OF FLORIDA
DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

NOTARY PUBLIC

My Commission Expires:

Columbia County Building Permit Application

For Office Use Only Application # 0609-32 Date Received 9-13-06 By CP Permit # 12101 25005

Application Approved by - Zoning Official BLK Date 22.09.06 Plans Examiner OK JTH Date 9-20-06

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

Comments Site PLAN ON PLANS NEEDS CORRECT ID

Applicants Name Trent Giebeig Construction Phone 397-0545

Address 697 SE Holly Terrace Lake City FL

Owners Name Peter & Holly Giebeig Phone 752-0791

911 Address 194 SW Vann CT Lake City FL 32024

Contractors Name Trent Giebeig Construction Phone 397-0545

Address 697 SE Holly Terrace

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Freman Design Group

Mortgage Lenders Name & Address First Federal

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

Property ID Number 02911-312 11-45-16-[redacted] Estimated Cost of Construction 180,000

Subdivision Name Mayfair [redacted] III Lot 12 Block ___ Unit [redacted] Phase III

Driving Directions 247 South right into Mayfair take 3rd right Vann CT 4th on left

Type of Construction frame - S70 Number of Existing Dwellings on Property 0

Total Acreage .51 Lot Size .51 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 34' Side 27' Side 26' Rear 73'

Total Building Height 21'2" Number of Stories 1 Heated Floor Area 2939 TOTAL 3,806 Roof Pitch 6/12

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

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

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

Owner Builder or Agent (Including Contractor)

Trent Giebeig

Contractor Signature

Contractors License Number RR 20028 11523

Competency Card Number 5754

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 13th day of Sept 2006.

Personally known X or Produced Identification ____

NOTARY STAMP/SEAL

ELAINE K. TOLAR
MY COMMISSION # DD 436381
EXPIRES: October 2, 2009
Bonded Thru Notary Public Underwriters

Elaine K. Tolar

Notary Signature

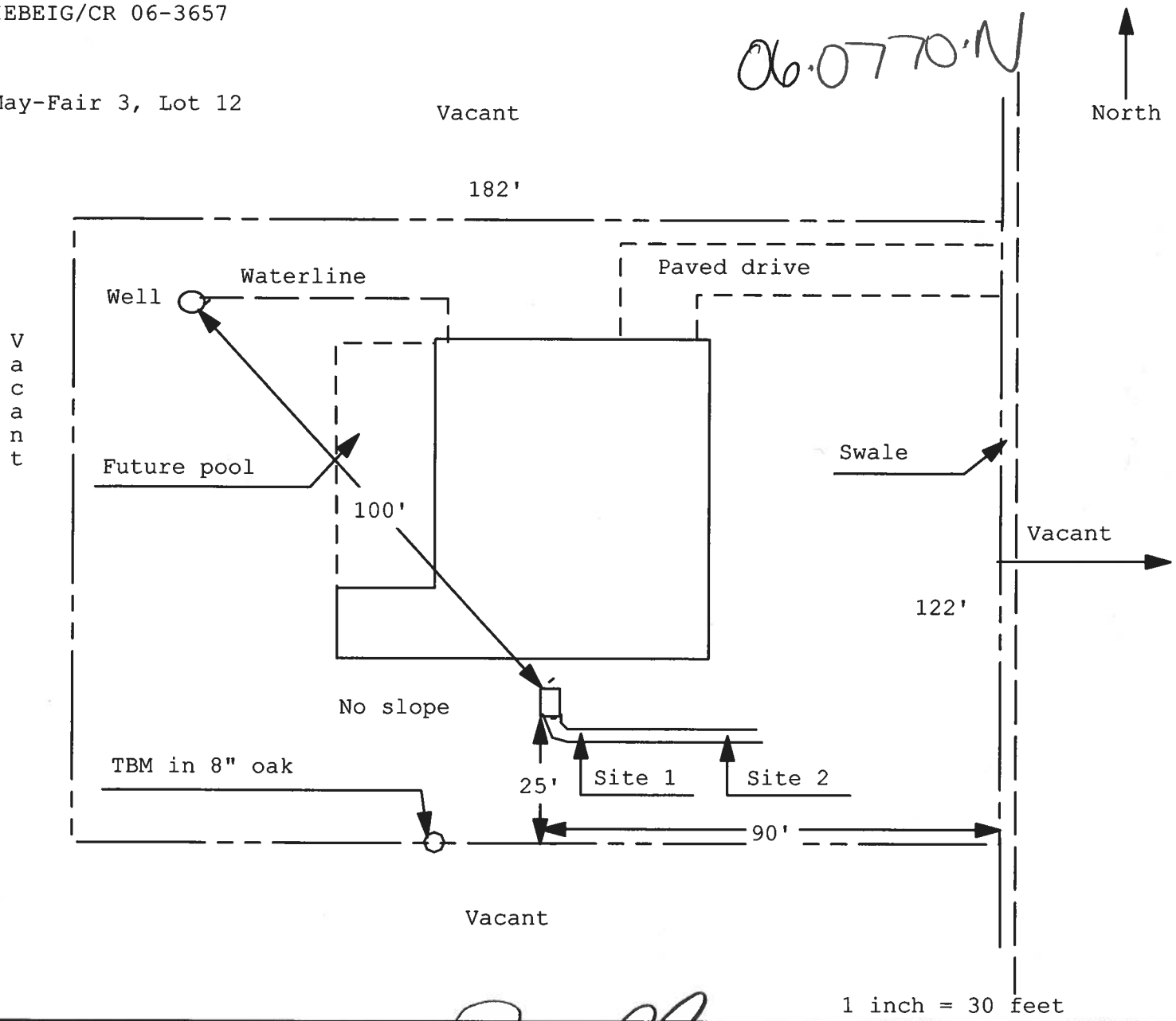
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0770N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 06-3657

06.0770.N



Site Plan Submitted By Paul Lloyd **Date** 8/22/06

Plan Approved ✓ **Not Approved** ____ **Date** ____

By Sallie Gladdy ES II 8.28.06 **CPHU**

Notes:

Columbia CHD

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Mayfair Lot 12 unit 3

Building Permit #_____ Owner's Name Trent Diebig

Well Depth_____ Ft. Casing Depth _____Ft. Water Level _____Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S20-100 HP 1

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20 (GPM)

Tank Installation: (Bladder)/Galvanized Make Challenger
Model PC244 Size 81

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

9-13-06
Date

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Dr. Giebeig**	Builder:	
Address:		Permitting Office:	COLUMBIA
City, State:	,	Permit Number:	25005
Owner:	**Giebeig**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2939 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	212.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 255.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 2046.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3232.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 73.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.07

Total as-built points: 27639
Total base points: 39266

PASS

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

PREPARED BY: Jason Giebeig

DATE: 8/21/06

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2939.0	20.04	10601.6	Double, Clear	E	1.5	6.0	50.0	42.06	0.91	1919.6
				Double, Clear	S	1.5	5.0	12.0	35.87	0.81	347.3
				Double, Clear	W	1.5	6.0	100.0	38.52	0.91	3518.6
				Double, Clear	N	1.5	6.0	45.0	19.20	0.94	811.0
				Double, Clear	N	1.5	2.0	5.0	19.20	0.76	72.6
				As-Built Total:				**212.0**			**6669.2**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	2046.4	1.50		3069.6
Exterior	2046.4	1.70	3478.9								
Base Total:	**2046.4**		**3478.9**	**As-Built Total:**				**2046.4**			**3069.6**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				68.0	6.10		414.8
Exterior	95.9	6.10	584.9	Exterior Wood				27.9	6.10		170.1
Base Total:	**95.9**		**584.9**	**As-Built Total:**				**95.9**			**584.9**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	2939.0	1.73	5084.5	Under Attic			30.0	3232.9	1.73 X 1.00		5592.9
Base Total:	**2939.0**		**5084.5**	**As-Built Total:**				**3232.9**			**5592.9**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	255.8(p)	-37.0	-9464.6	Slab-On-Grade Edge Insulation			0.0	255.8(p	-41.20		-10539.0
Raised	0.0	0.00	0.0								
Base Total:			**-9464.6**	**As-Built Total:**				**255.8**			**-10539.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	2939.0	10.21	30007.2					2939.0	10.21		30007.2

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**40292.4**	**Summer As-Built Points:**						**35384.8**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
40292.4	**0.4266**		**17188.7**	35384.8 **35384.8**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**		9061.7 **9061.7**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2939.0	12.74	6739.7	Double, Clear	E	1.5	6.0	50.0	18.79	1.04	973.0
				Double, Clear	S	1.5	5.0	12.0	13.30	1.20	191.0
				Double, Clear	W	1.5	6.0	100.0	20.73	1.02	2121.5
				Double, Clear	N	1.5	6.0	45.0	24.58	1.00	1108.6
				Double, Clear	N	1.5	2.0	5.0	24.58	1.01	124.7
				As-Built Total:				**212.0**			**4518.9**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	2046.4	3.40		6957.8
Exterior	2046.4	3.70	7571.7								
Base Total:	**2046.4**		**7571.7**	**As-Built Total:**				**2046.4**			**6957.8**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				68.0	12.30		836.4
Exterior	95.9	12.30	1179.3	Exterior Wood				27.9	12.30		342.9
Base Total:	**95.9**		**1179.3**	**As-Built Total:**				**95.9**			**1179.3**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points
Under Attic	2939.0	2.05	6024.9	Under Attic			30.0	3232.9	2.05 X 1.00		6627.4
Base Total:	**2939.0**		**6024.9**	**As-Built Total:**				**3232.9**			**6627.4**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	255.8(p)	8.9	2276.6	Slab-On-Grade Edge Insulation			0.0	255.8(p	18.80		4809.0
Raised	0.0	0.00	0.0								
Base Total:			**2276.6**	**As-Built Total:**				**255.8**			**4809.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	2939.0	-0.59	-1734.0					2939.0	-0.59		-1734.0

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**22058.3**	**Winter As-Built Points:**					**22358.4**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
22058.3	**0.6274**	**13839.4**	22358.4 **22358.4**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.426 **0.426**	0.950 **0.950**	10522.1 **10522.1**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
17189	**13839**	**8238**	**39266**	**9062**	**10522**	**8055**	**27639**

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 6-12. 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* = 88.5

The higher the score, the more efficient the home.

Giebeig, , , ,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2939 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	212.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 255.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 2046.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3232.9 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 73.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-7824.*

Residential System Sizing Calculation

Summary

Giebeig

,

Project Title:
Dr. Giebeig

Code Only
Professional Version
Climate: North

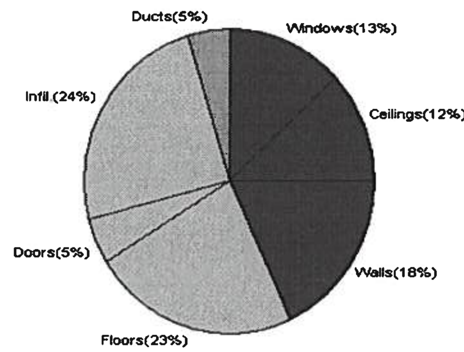
8/21/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**34997**	**Btuh**	**Total cooling load calculation**	**35400**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	171.4	60000	Sensible (SHR = 0.5)	106.9	30000
Heat Pump + Auxiliary(0.0kW)	171.4	60000	Latent	408.9	30000
			Total (Electric Heat Pump)	169.5	60000

WINTER CALCULATIONS

Winter Heating Load (for 2939 sqft)

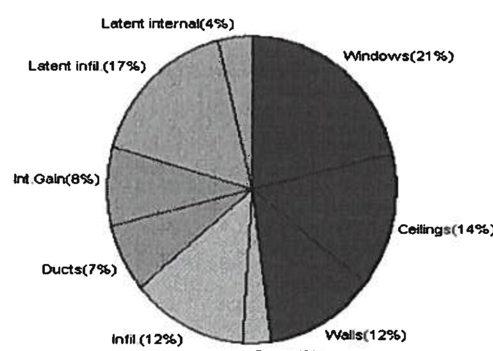
Load component			Load	
Window total	212	sqft	4558	Btuh
Wall total	2046	sqft	6344	Btuh
Door total	96	sqft	1720	Btuh
Ceiling total	3233	sqft	4203	Btuh
Floor total	256	ft	8083	Btuh
Infiltration	196	cfm	8422	Btuh
Subtotal			**33330**	**Btuh**
Duct loss			1667	Btuh
TOTAL HEAT LOSS			**34997**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2939 sqft)

Load component			Load	
Window total	212	sqft	7566	Btuh
Wall total	2046	sqft	4379	Btuh
Door total	96	sqft	1177	Btuh
Ceiling total	3233	sqft	5043	Btuh
Floor total			0	Btuh
Infiltration	172	cfm	4346	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**25512**	**Btuh**
Duct gain			2551	Btuh
Total sensible gain			**28063**	**Btuh**
Latent gain(infiltration)			5957	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**7337**	**Btuh**
TOTAL HEAT GAIN			**35400**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: [signature]
DATE: 8/21/06

EnergyGauge® FLRCPB v3.30

System Sizing Calculations - Winter

Residential Load - Component Details

Giebeig

Project Title:
Dr. Giebeig

Code Only
Professional Version
Climate: North

,

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

8/21/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	50.0	21.5	1075 Btuh
2	2, Clear, Wood, DEF	E	12.0	21.5	258 Btuh
3	2, Clear, Wood, DEF	S	100.0	21.5	2150 Btuh
4	2, Clear, Wood, DEF	W	45.0	21.5	968 Btuh
5	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
	Window Total		212		4558 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2046	3.1	6344 Btuh
	Wall Total		2046		6344 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		68	17.9	1220 Btuh
2	Wood - Exter		28	17.9	500 Btuh
	Door Total		96		1720Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3233	1.3	4203 Btuh
	Ceiling Total		3233		4203Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	255.8 ft(p)	31.6	8083 Btuh
	Floor Total		256		8083 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	29390(sqft)	196	8422 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			196	8422 Btuh

Totals for Heating	**Subtotal**	**33330 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1667 Btuh**
	Total Btuh Loss	**34997 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Giebeig

Project Title:
Dr. Giebeig

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 8/21/2006

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	6	50.0	0.0	50.0	24	24	1200	Btuh
2	2, Clear, DEF, N, N	E	1.5	5	12.0	0.0	12.0	24	74	888	Btuh
3	2, Clear, DEF, N, N	S	1.5	6	100.0	100.0	0.0	24	39	2400	Btuh
4	2, Clear, DEF, N, N	W	1.5	6	45.0	9.3	35.7	24	74	2863	Btuh
5	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
	Window Total				212					7566	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	2046.4	2.1	4379	Btuh
	Wall Total		2046.4		4379	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	68.0	12.3	835	Btuh
2	Wood - Exter	27.9	12.3	342	Btuh
	Door Total	95.9		1177	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	3232.9	1.6	5043	Btuh
	Ceiling Total		3232.9		5043	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	255.8 ft(p)	0.0	0	Btuh
	Floor Total		255.8		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	29390	171.8	4346	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			172	4346	Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	6	X	300	+	1200	3000	Btuh

Totals for Cooling			
	Subtotal	**25512**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**2551**	**Btuh**
	Total sensible gain	**28063**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**5957**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**35400**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal Sliding Window (XO-Fin)

	Results	
Title	**Test Specimen #1**	**Test Specimen #2**
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft^2	0.09 cfm/ft^2
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data

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

Architectural Testing

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

Rendered to:

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

ATI Report Identification No.: 01-47320.03
Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

Active Sash Size: 2' 11-5/8" wide by 5' 8-3/8" high

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

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

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

Description	Quantity	Location
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

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

Hardware:

Description	Quantity	Location
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

Description	Quantity	Location
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft^2	0.3 cfm/ft^2 max.

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

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.75"	See Note #2
	30.0 psf (negative)	0.71"	See Note #2

Note #2: *The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.13"	0.26" max.
	45.0 psf (negative)	<0.01"	0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
Type: A	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
Test Specimen #2: HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft^2	0.3 cfm/ft^2 max.
	Note #1: *The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*		
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.62"	See Note #2
	30.0 psf (negative)	0.51"	See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.03"	0.21" max.
	45.0 psf (negative)	0.04"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-C40 71 x 59 (Continued)			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P. E.
Senior Project Engineer

EW:dme
01-47320.03

APRIL 20, 2004

MIAMI-DADE
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

In Swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors –Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

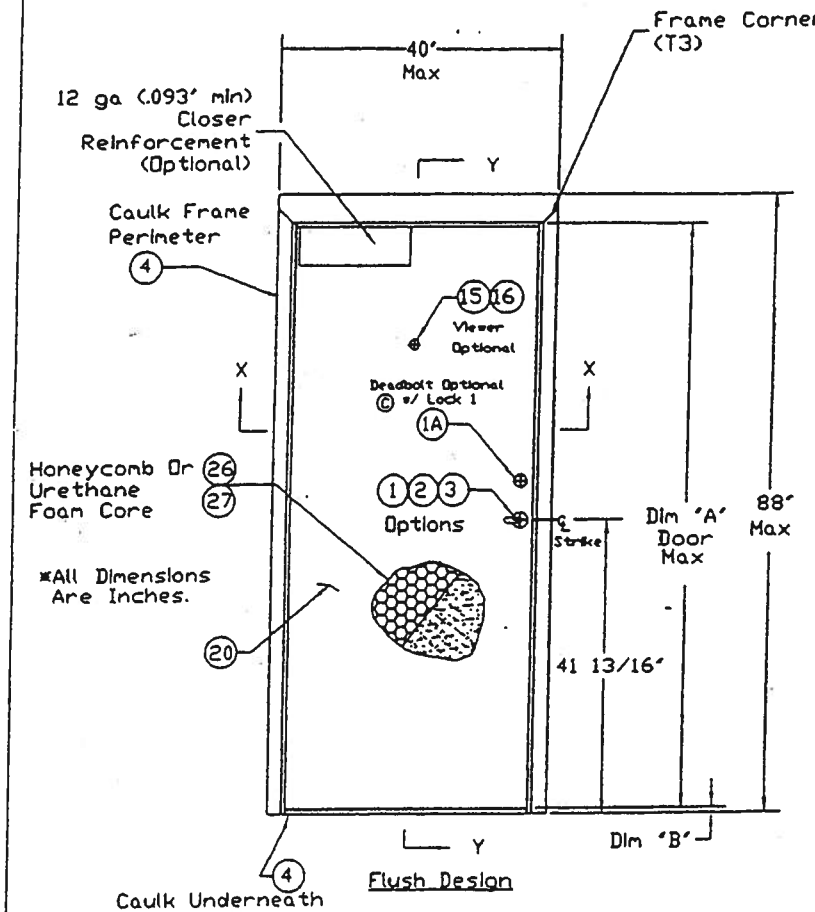
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

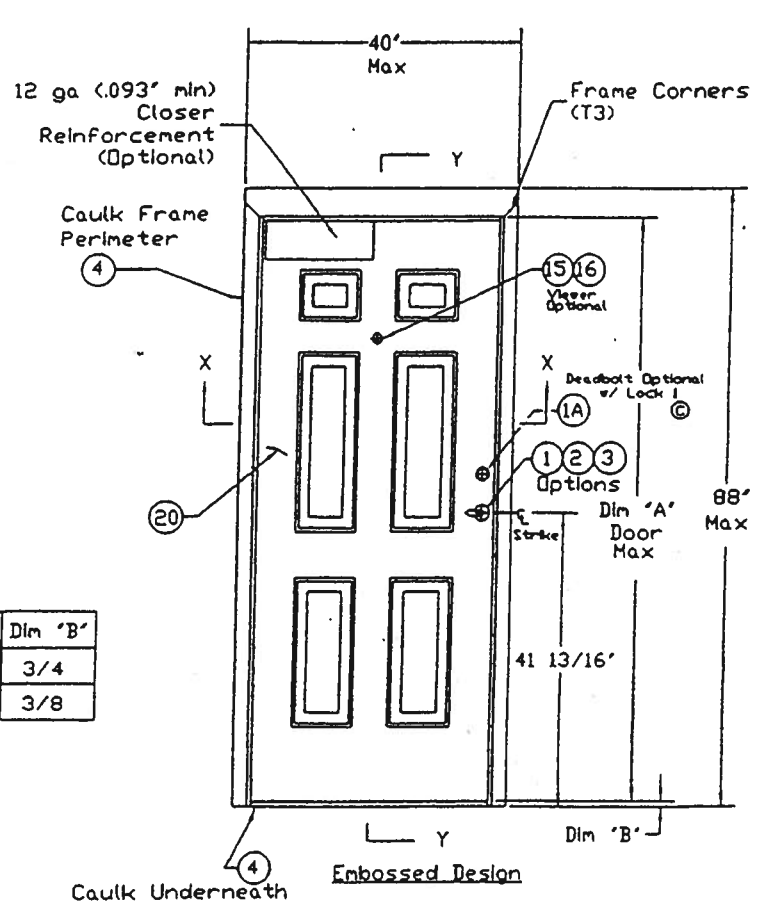
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

PRODUCT CONTROL ACCEPTED





*All Dimensions Are Inches.

In-Swing Door (Exterior View)

	Dim "A"	Dim "B"
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

Approved as complying with the Florida Building Code
Date OCTOBER 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

Design Pressure Rating		
	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Notes:
1) In-swing Not Approved For Water Infiltration
2) This Door Does Not Need A Hurricane Protection System
3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Botton.

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

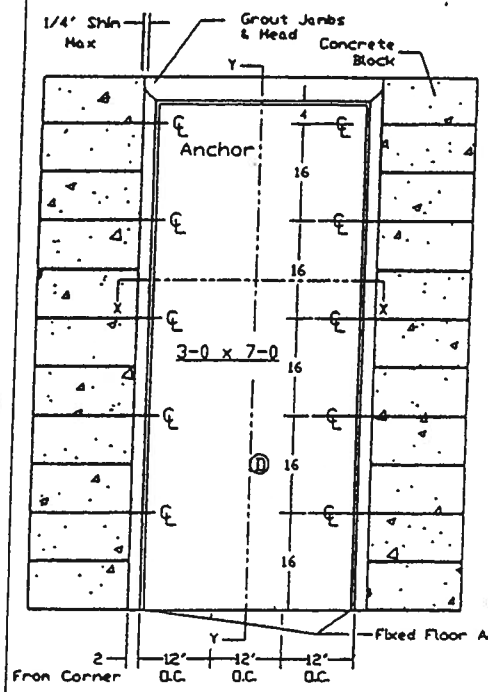
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
DRAWN BY: LT	DATE: 5/22/02

DRAWING NUMBER:
RD0728
Sheet 1 of 9

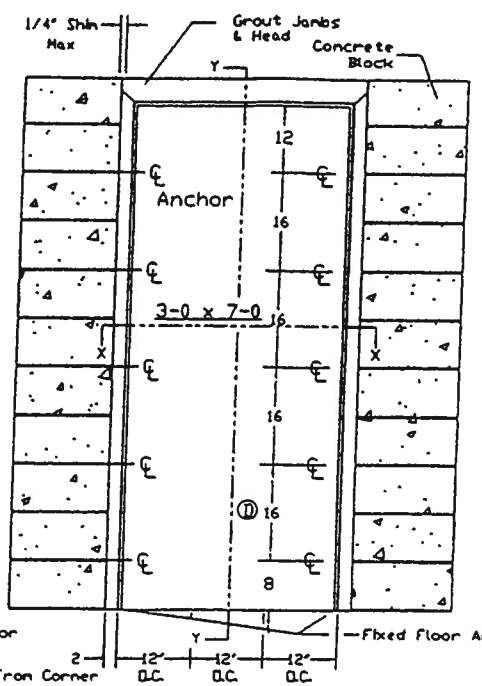
Masonry "I" Anchor

Min. 3500 PSI



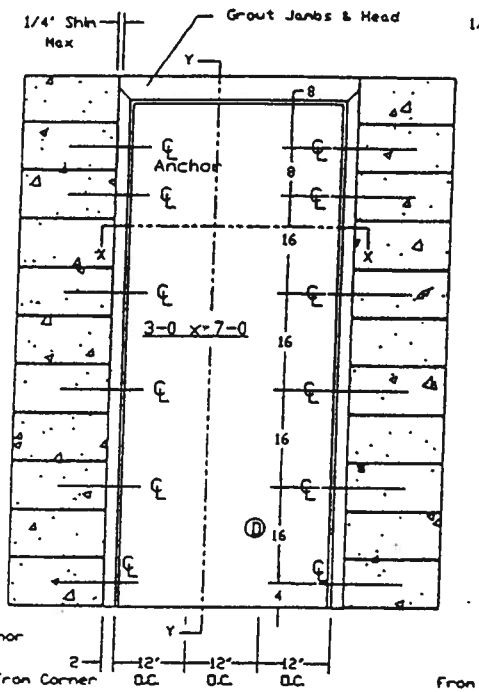
Masonry Wire Anchor

Min. 3500 PSI

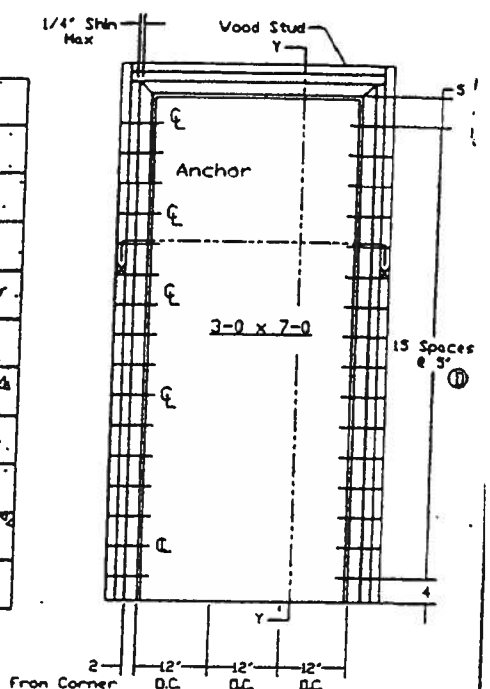


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

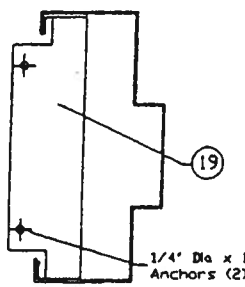


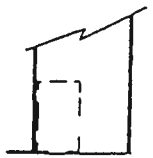
Existing Opening Anchor Into Wood Stud

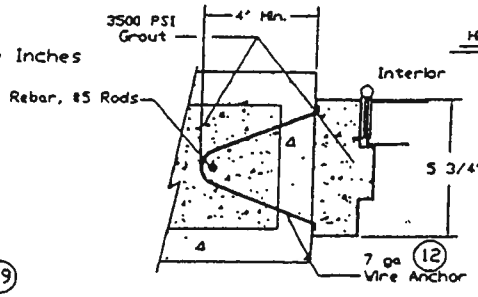


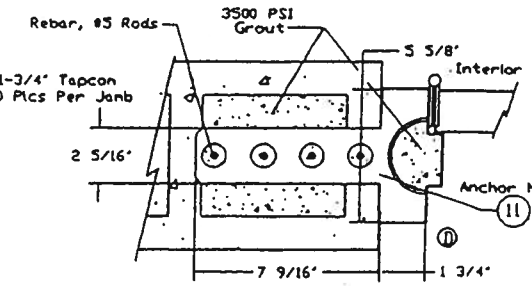
*All Dimensions Are Inches

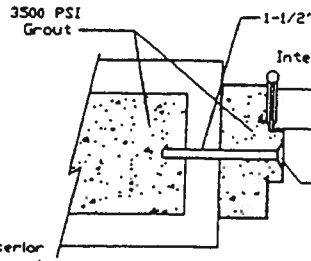
Installation Details Hinge Jambs / Lock Jambs





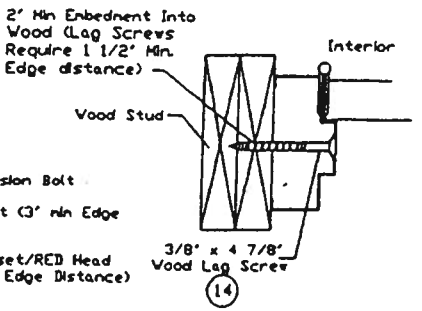






Tested Rawl Lok/Bolt (3" min Edge Distance)

Alternative ITW Ranset/RED Head Dynabolt (2-1/2" min Edge Distance)



Approved as complying with the Florida Building Code
Date OCT 31 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

A 10/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

MATERIAL SPECIFICATIONS:

Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

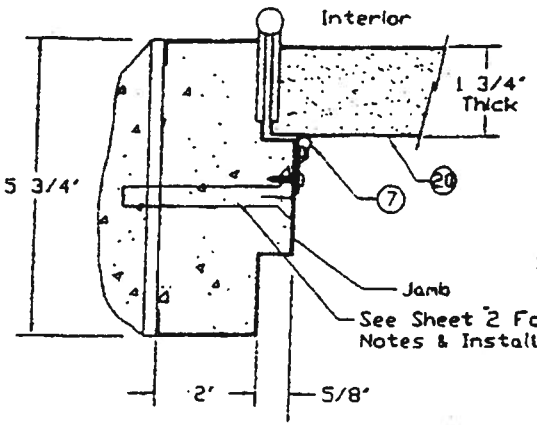
CECO DOOR PRODUCTS
Milan, Tennessee 38358

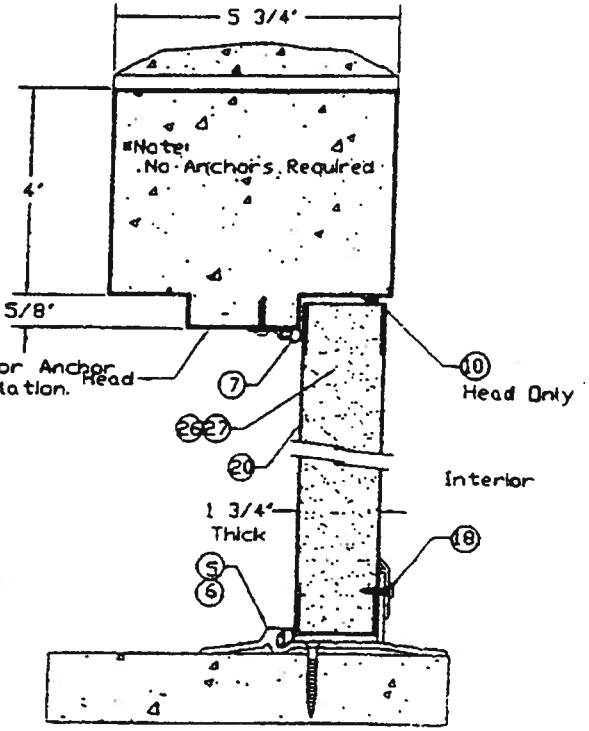
DRAWN BY:	DATE:
LT	5/22/02

DRAWING NUMBER: RD0728

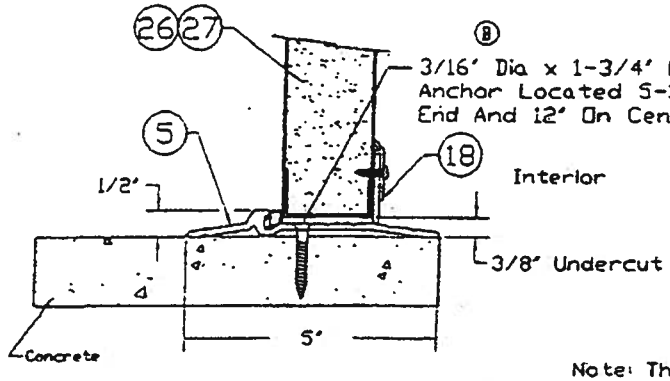
Sheet 2 of 9

*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft load Imposed And Must Be Reviewed By Building Official.





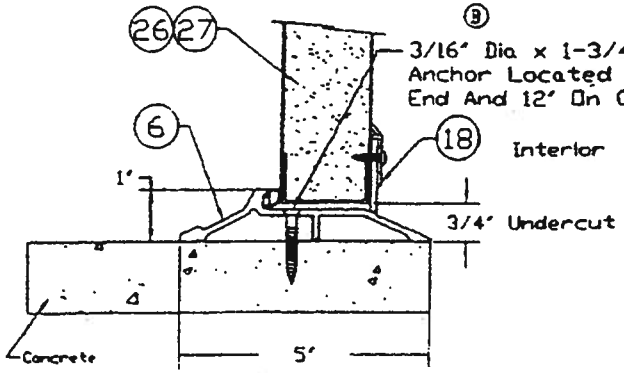
Section Y-Y



Threshold: Pemko 2005AV

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold: Pemko 181AV

Approved as complying with the Florida Building Code
Date: OCT 31, 2002
NOA# 02-0807.04
Miami-Dade Product Control Division
By: Ishaq Chanda

B	LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	LT	Revised Per Marked-Up Drawings From Ishaq Chanda

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

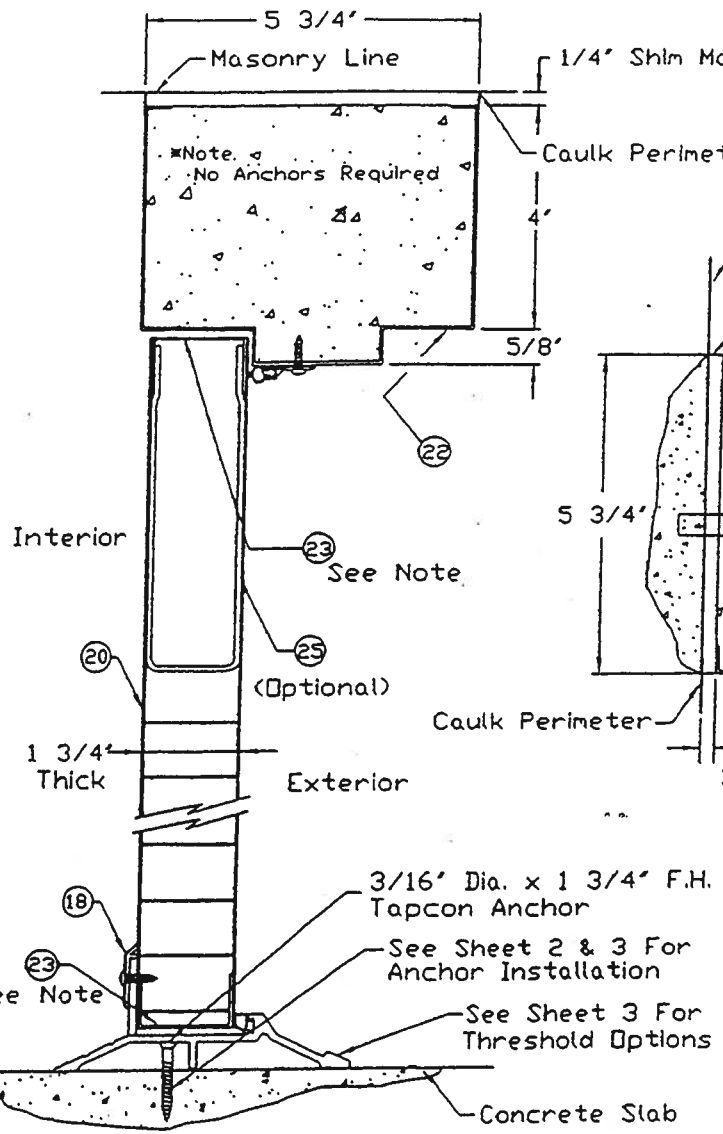
MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

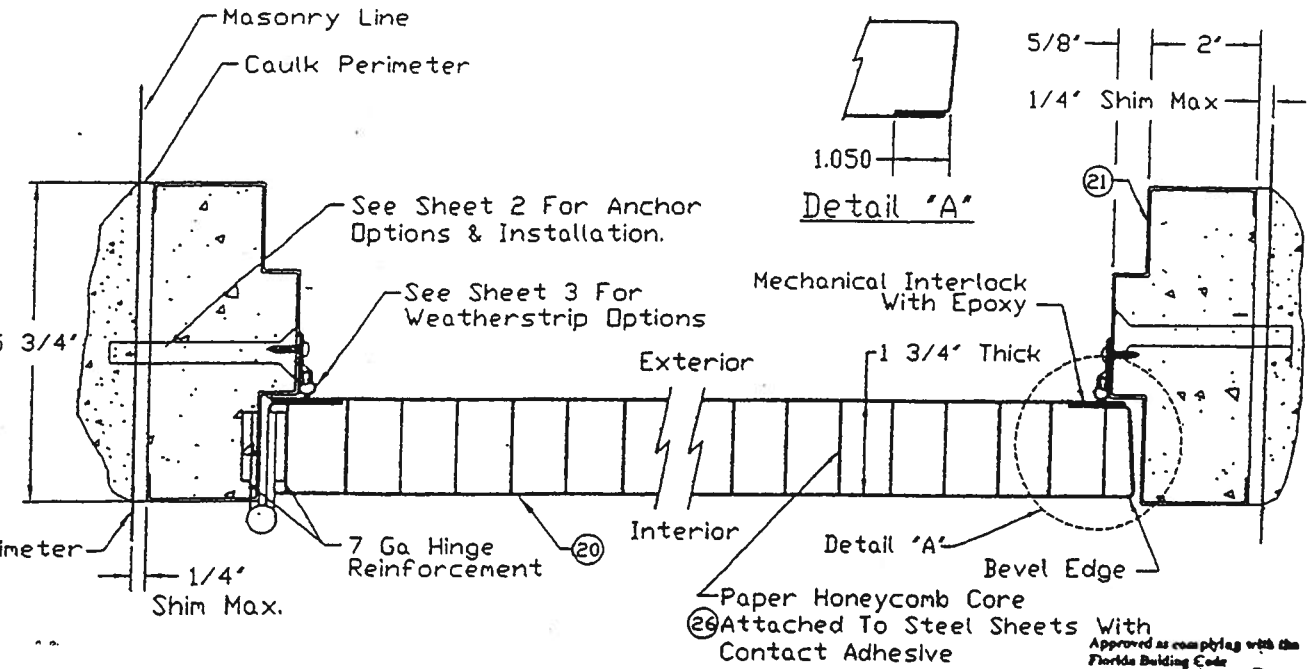
CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0728
Sheet 3 Of 9

*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section Y-Y



Section X-X

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

Approved as complying with the Florida Building Code
Date: OCT 31, 2002
NOA# 02-0207.04
Miami Dade Product Control Division
By: Ishaq Chanda

C	10/30/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
B	9/30/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
ISSUE		REVISIONS

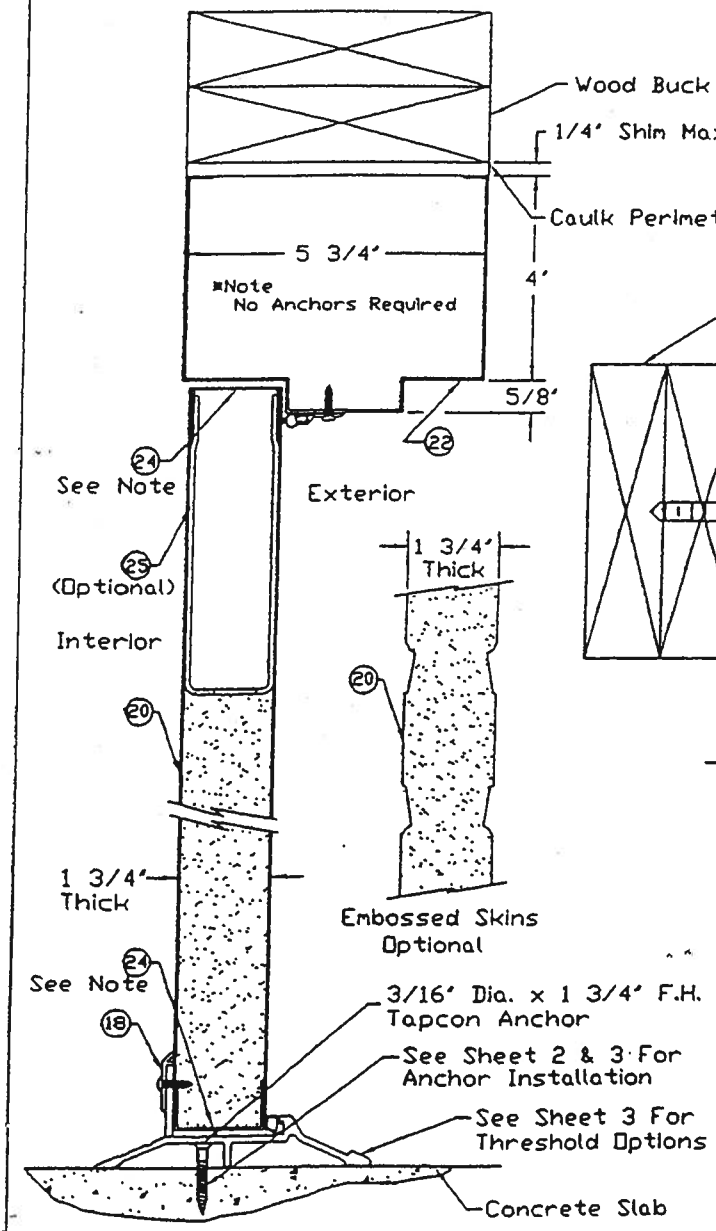
DRAWN BY: LT	DATE: 5/22/02

MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

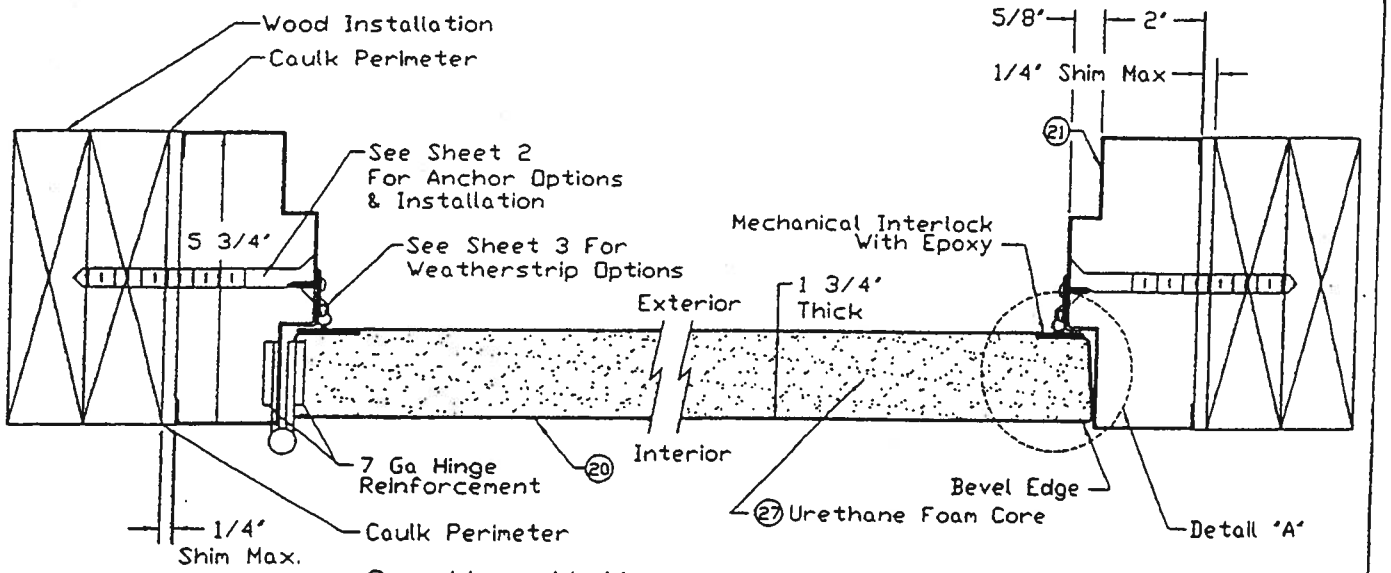
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWING NUMBER: RD0728
Sheet 5 of 9



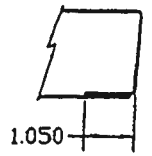
Section Y-Y

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3' From Lock Edge And 6 Inches On Center.



Detail 'A'

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami-Dade Product Control Division
By Ishaq J. Chanda

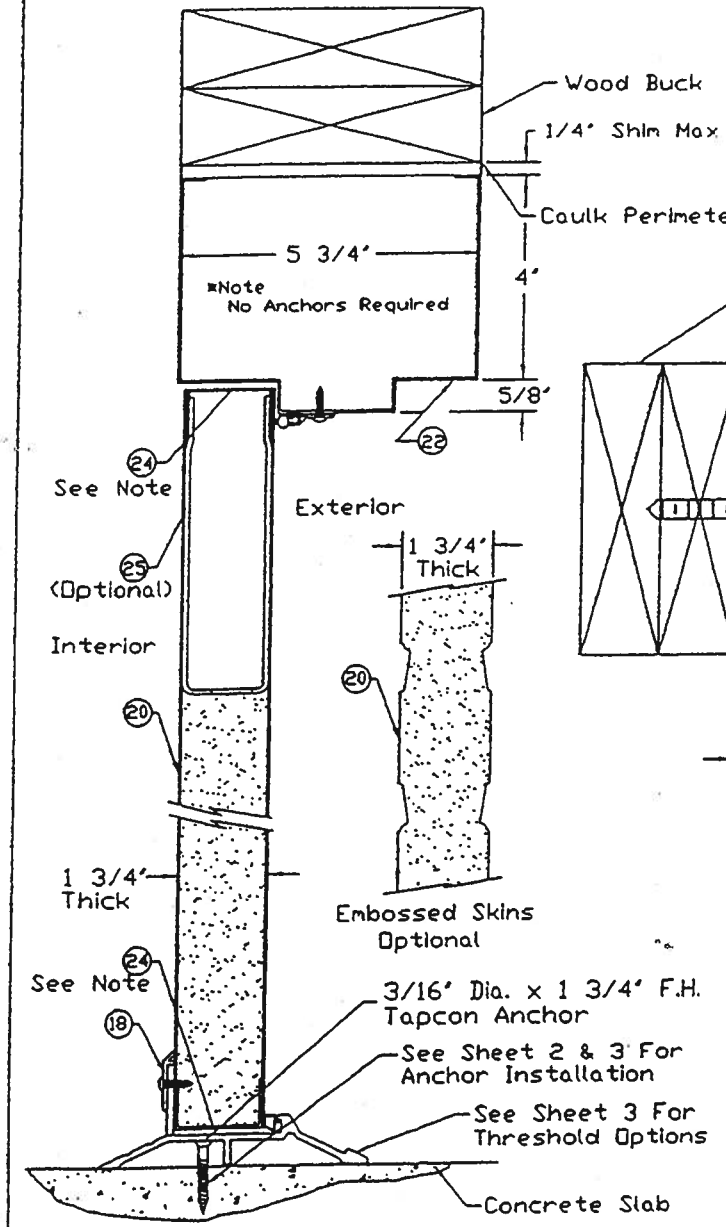
B 5/23/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Imperial Handed Door

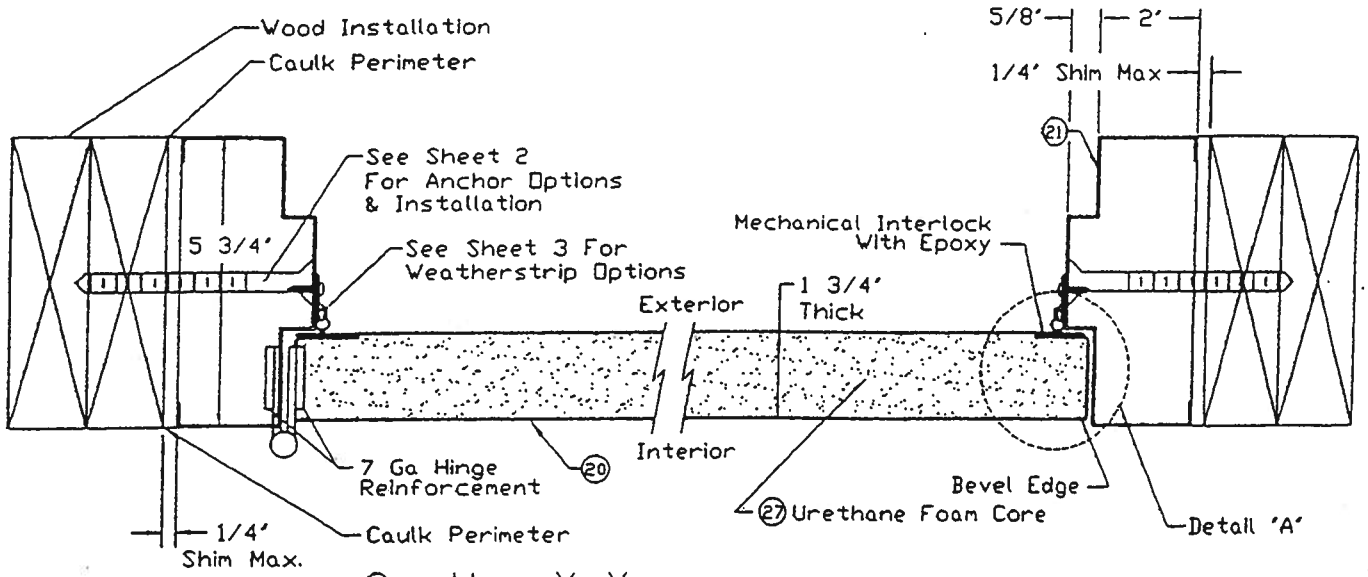
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER: RD0728
Sheet 7 of 9



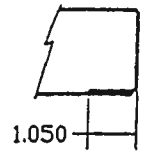
Section Y-Y

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.



Detail 'A'

Approved as complying with the Florida Building Code
Date OCT 1, 2002
NOA# 02-0607.04
Miami Dade Product Control
Division
By Ishaq I. Chanda

B	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

DRAWN BY: LT
DATE: 5/23/02

DRAWING NUMBER: RD0728
Sheet 8 of 9

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Versadoor Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) Ⓓ	Schlage	B100
2	Or Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Or Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Pemko	2005AV36
6	Or	Pemko	181AV36
7	Weatherstrip	Pemko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Or (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Pemko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053" min) Galv Steel Fymin = 30ksi
12	Or	Wire, Relaxed Dimension 9' x 8'	#7 (.167 " min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Or	Expansion Bolt	3/8" x 5" F.H. Rawl Lok/Bolt Or 3/8" x 5" F.H. Ranset/RED Head
14	Or	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Or	MAG Security	8724-C
17	Drip Cap) Top	Pemko	346
18	Sweep	Pemko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053" min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053" min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2" Face, 5-3/4" Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4" Face, 5-3/4" Depth Min. (RD0033)
23	Door Channels) Spot Welded To Bottom Skin Glued To Top Skin) Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min) x 1" x 1-3/4" x 1"
24	Door Channels) Spot Welded To Bottom Skin Taped To Top Skin) Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min x 1" x 1-3/4" x 1"
25	Closer Reinforcement (Optional)	12 Ga (.093" min) CS Type B	12 ga (.093" min) x 5-3/8" x 16"
26	Honeycomb Core	Non-Impregnated Kraft Paper Ⓔ	1.2" Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft³ Density

Approved as complying with the Florida Building Code
Date Oct 31 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	9/4/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series In-Swing Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02
DRAWING NUMBER: RD0728 Sheet 9 Of 9	

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

outswing

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Regent" & "Omega" 18 ga. 3^0-7^0 Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No. **RD0087**, titled "3-0 x 7-0 Series", sheets 1 through 7 of 7, dated 5/30/97 with revision C dated 2/24/00,prepared by the manufacturer, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

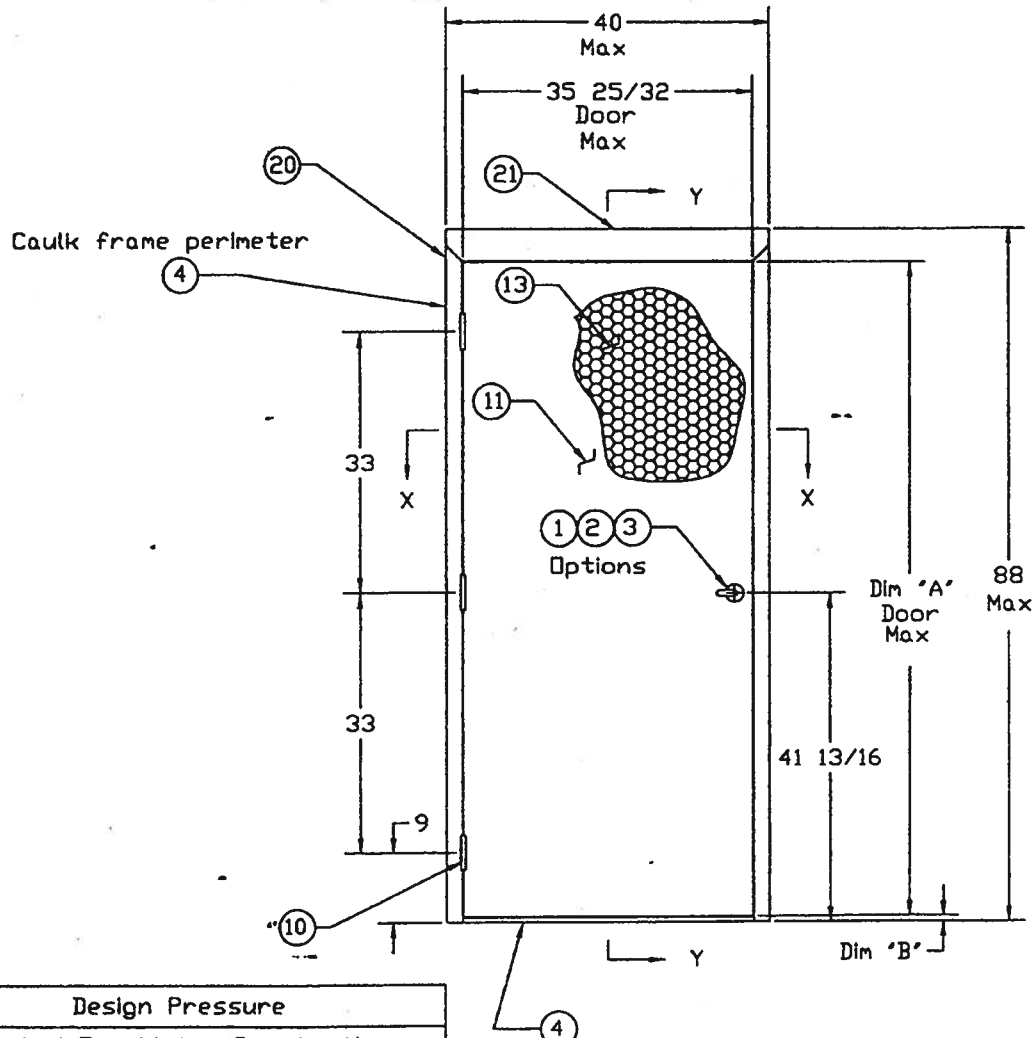
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **renews NOA # 00-0315.03** and consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED



Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-6	Cross Section View
Sheet 7	Bill Of Material

Design Pressure		
Tested For Water Penetration		
With Overhang	+85 psf	-60 psf
Without Overhang	+60 psf	-60 psf

	Dim 'A'	Dim 'B'
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Nov. 15, 2008
By: Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 08, 2009
BY: Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Deleted CD Drawings Revised Sheet Numbers

MATERIAL SPECIFICATIONS:

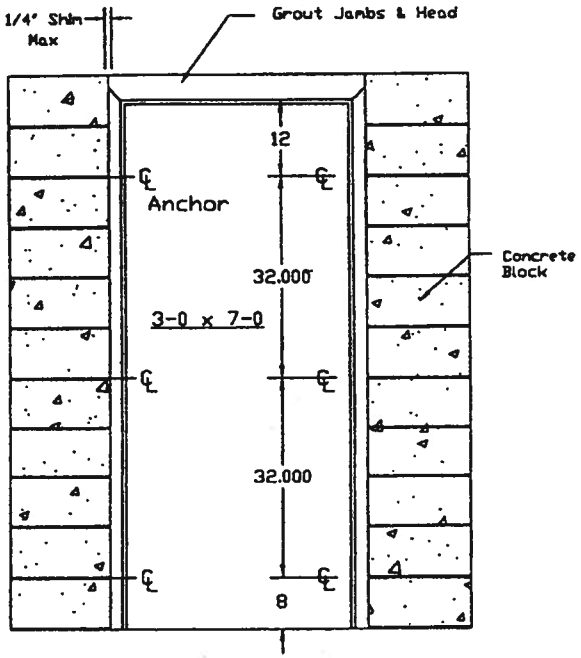
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series Elevation Drawing

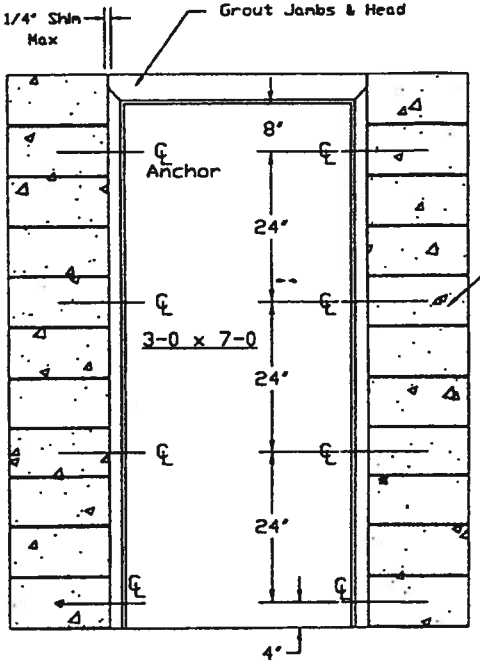
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

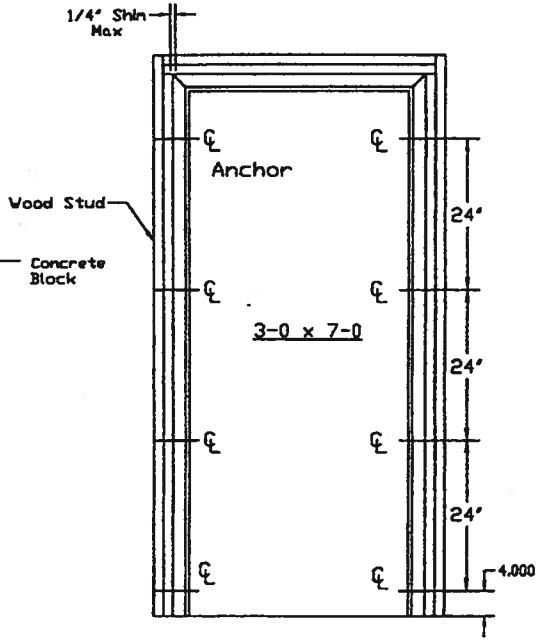
DRAWING NUMBER:
RD0087
Sheet 1 Of 7



Masonry "T" Anchor

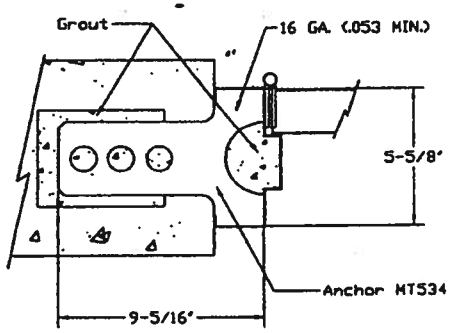


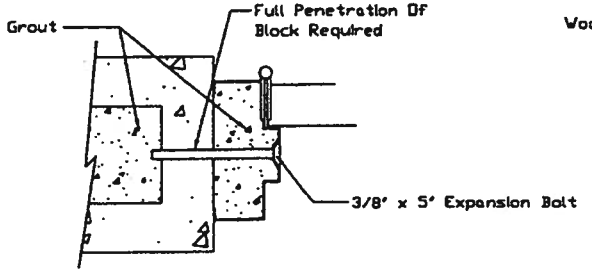
Existing Opening Anchor Into Block

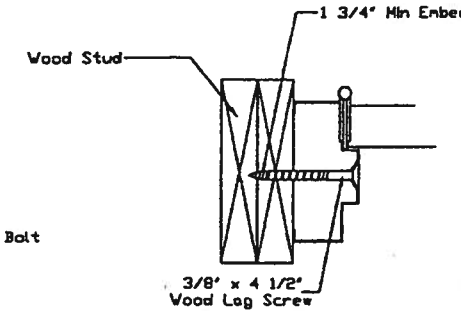


Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division







APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

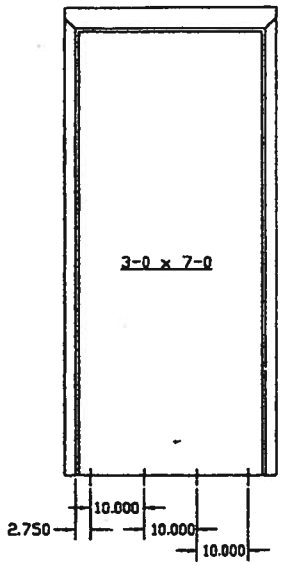
MATERIAL SPECIFICATIONS:

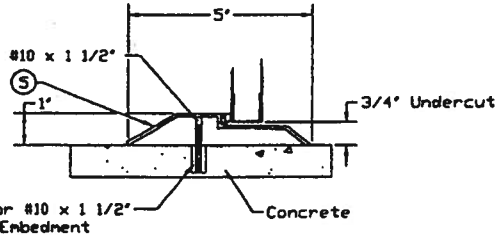
Frame Anchor Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

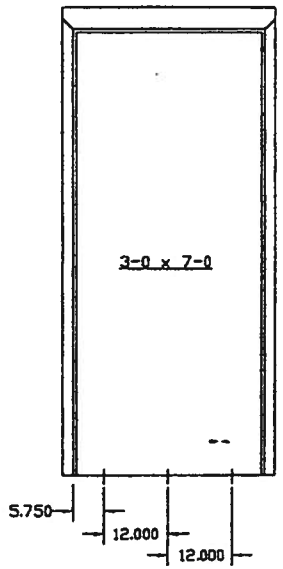
ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

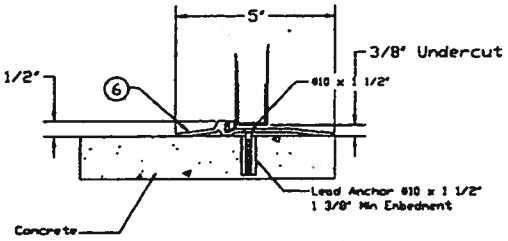
DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 2 of 7



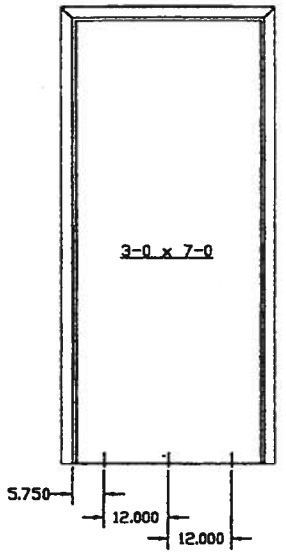


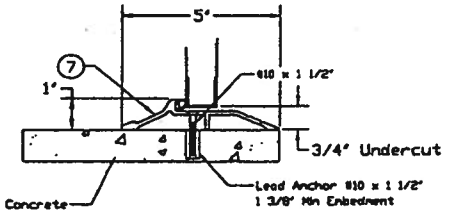
Threshold: National Guard 803S





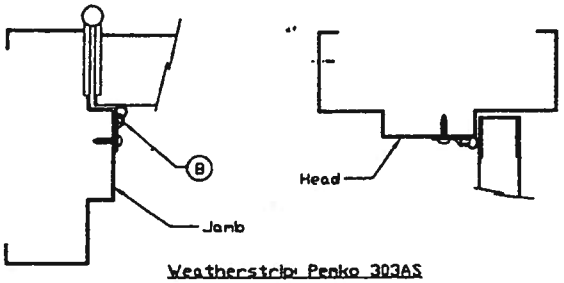
Threshold: Penko 2005AV





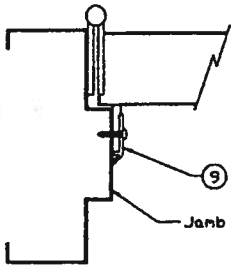
Threshold: Penko 181AV

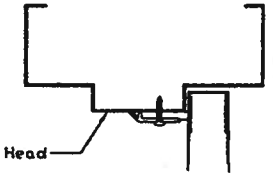
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



Weatherstrip: Penko 303AS

NOTE:
2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.





Weatherstrip: National Guard 130NA

NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.

NOTE: 4. See Sheet 7 For Bill of Material

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08/2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

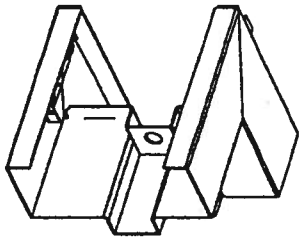
DRAWN BY: GWS
DATE: 5/30/97

MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details

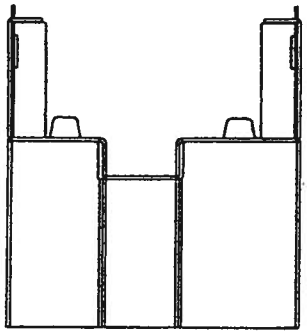
CECO DOOR PRODUCTS
Milan, Tennessee 38358

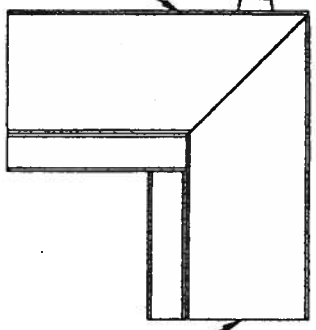
RD0087
Sheet 3 Of 7



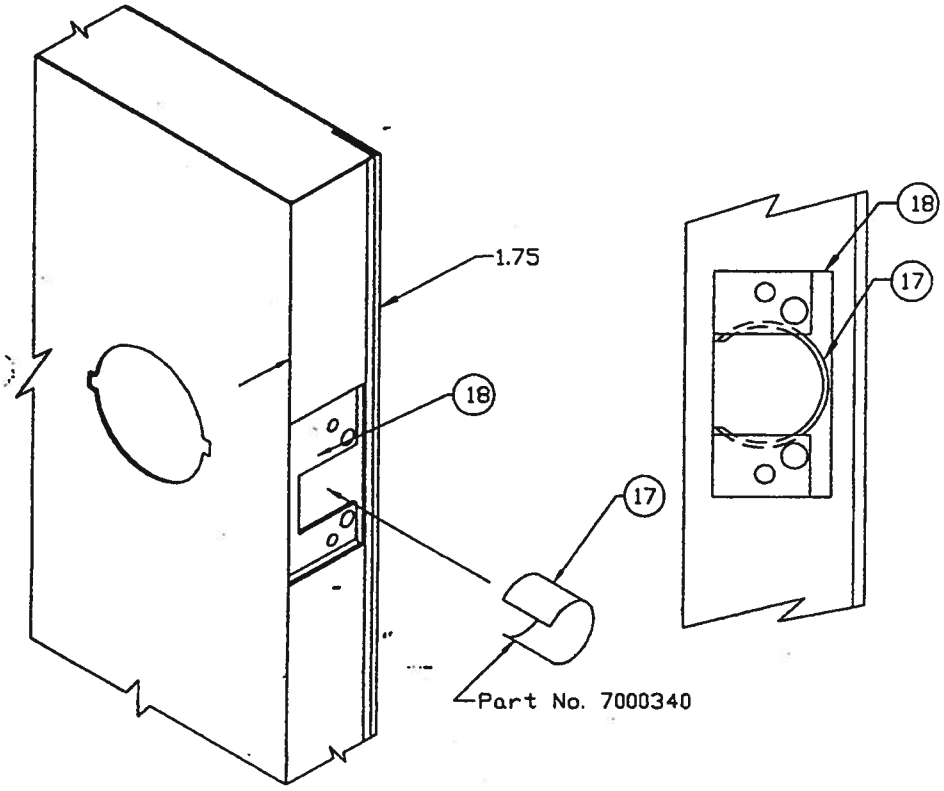
Interlocking Fold Over Tab

Frame Head





Frame Jamb



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DATE June 08 2000
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PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
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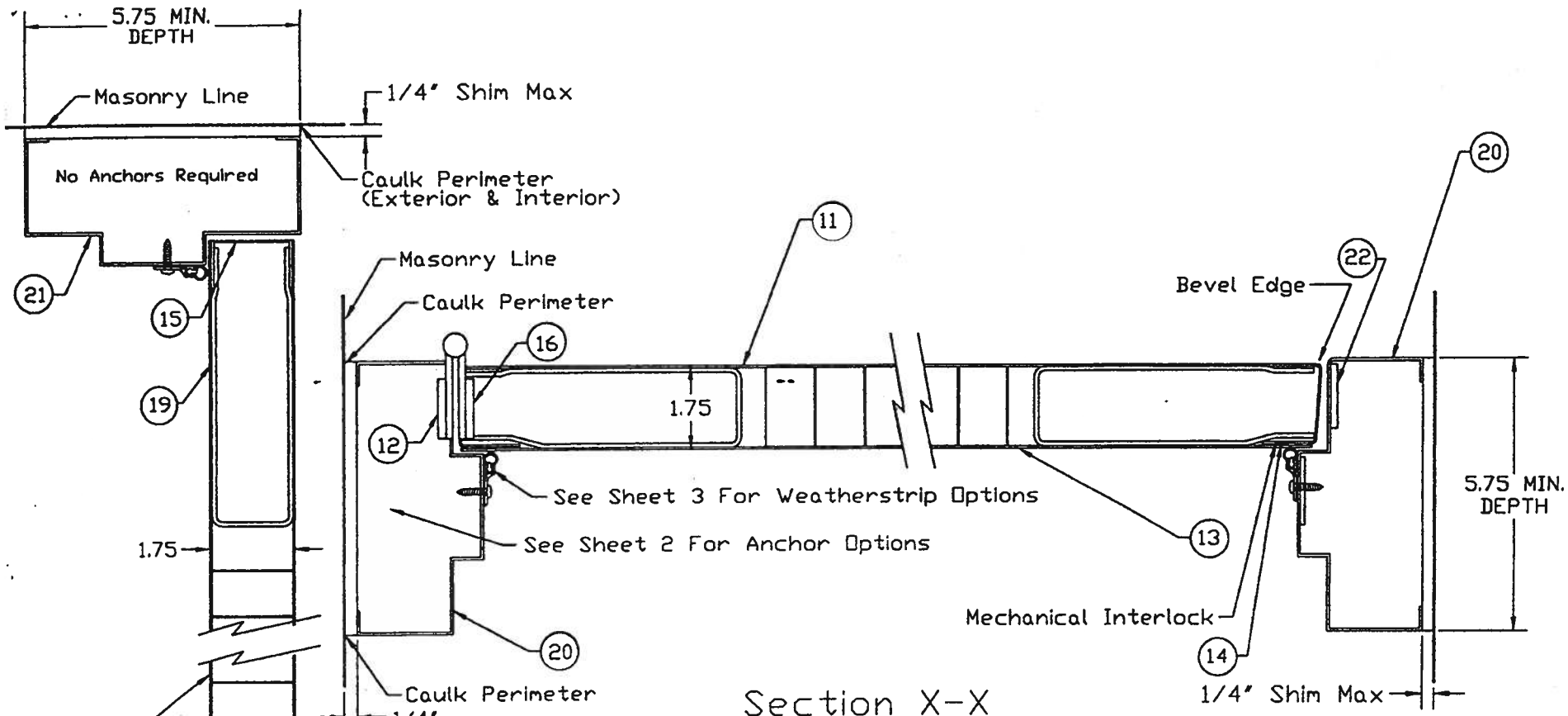
MATERIAL SPECIFICATIONS:

Cylindrical Lock Reinforcement and "SF" Seriers Frame Corner Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 6/06/97

DRAWING NUMBER:
RD0087
Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

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Acceptance No. 03-0411.01
Expiration Date AUG 14, 2008
By Miami-Dade Product Control Division

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BUILDING CODE COMPLIANCE OFFICE
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ISSUE	REVISIONS
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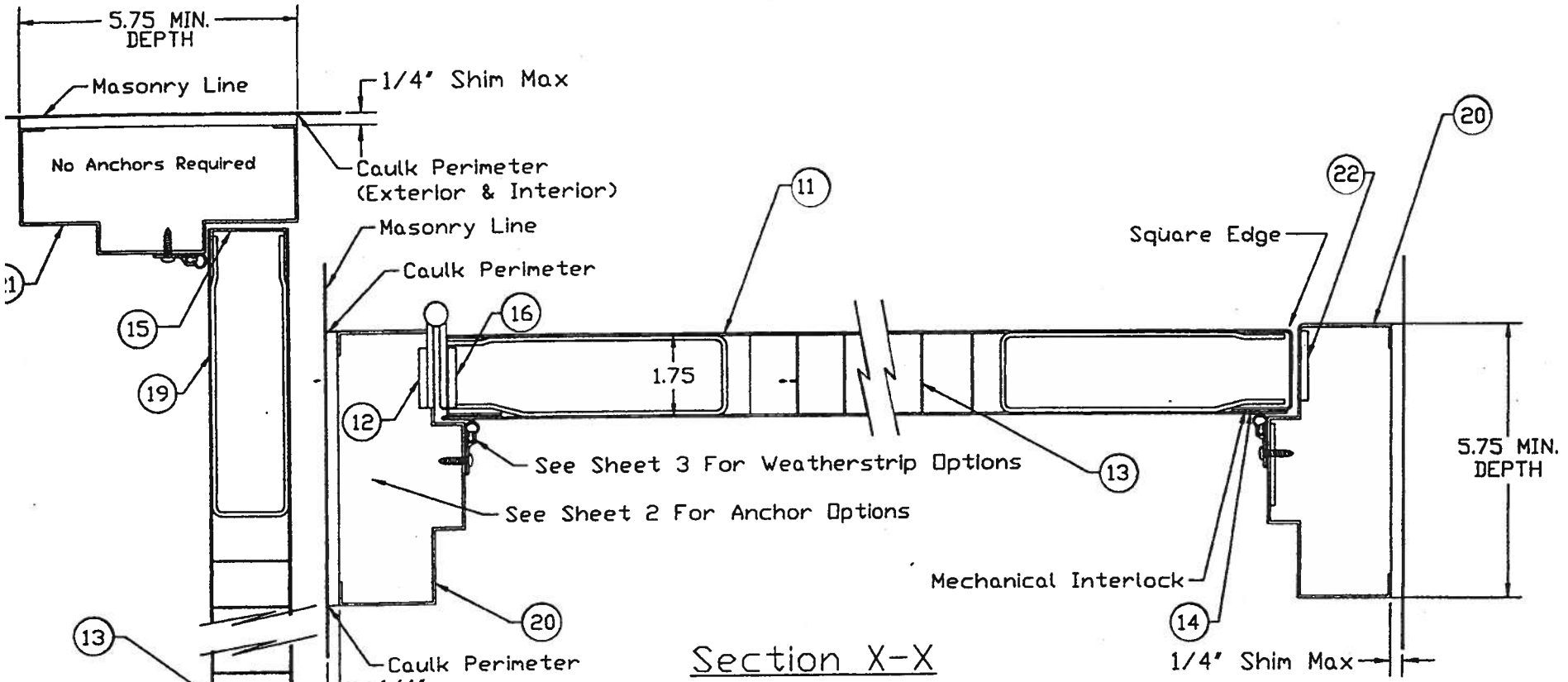
MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

DRAWING NUMBER: RD0087



Section X-X

Section Y-Y

Note: See Sheet 7 For Bill Of Material

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ISSUE	REVISIONS
C 2/24/00 JAK	Revised Format, Transfered information from NOA
B 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 6 of 7

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES AL53PD GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES AU53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROW	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TM) BULB INSERT		
9	1 ROW	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=36,000 psi)	18 GAUGE (.042" MIN. THICK)
12	3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	1-1/4" X 9" X 7 GA.
13	1	CORE: FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14	1	DENFLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA. (.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (.093")
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

PRODUCT RENEWED ™
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date: AUG 14, 2008
By: [signature]
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: June 08, 2000
BY: [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
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MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS | DATE: 6/02/97

DRAWING NUMBER: RD0087

Sheet 7 of 7

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

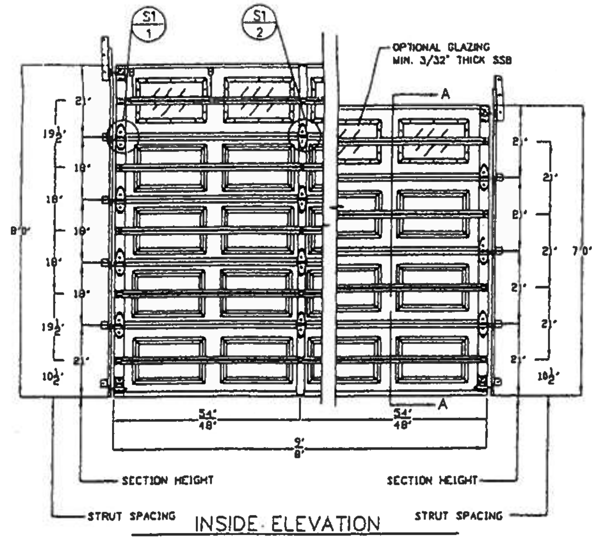
- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

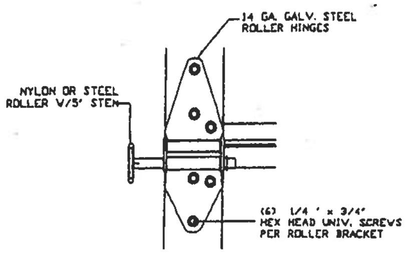
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

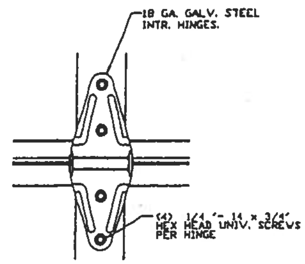
2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049



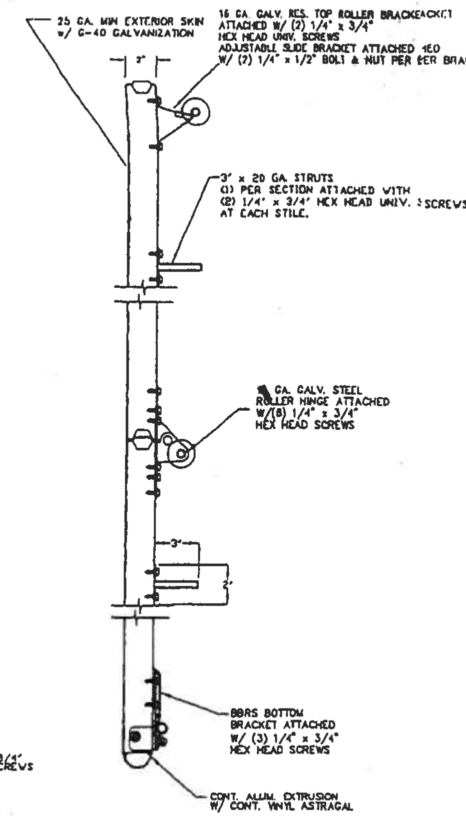
INSIDE ELEVATION



TYP. ROLLER BRACKET (S1 / 1)
N.T.S.



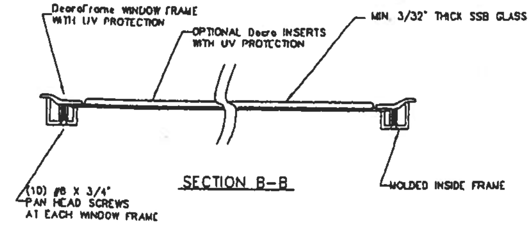
TYP. HINGE CONNECTION (S1 / 2)
N.T.S.



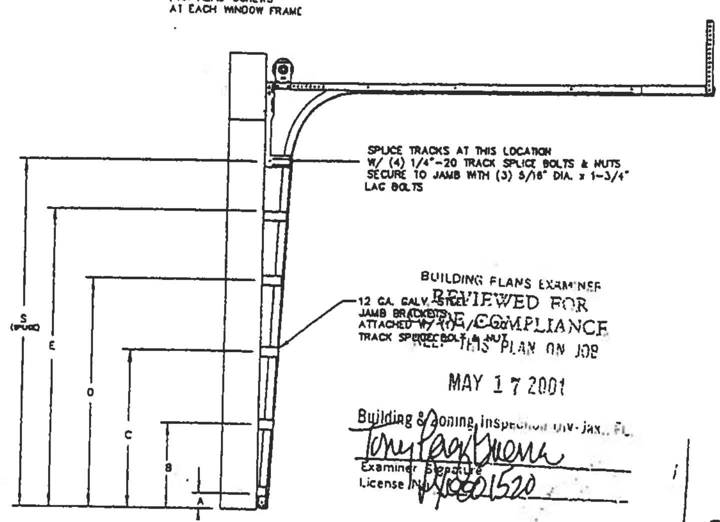
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 9' X 8' MODEL 600 AND 950 DOORS.



SECTION B-B



BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div.-Jax, FL
Examiner Signature
License No. 1520

4/19/01

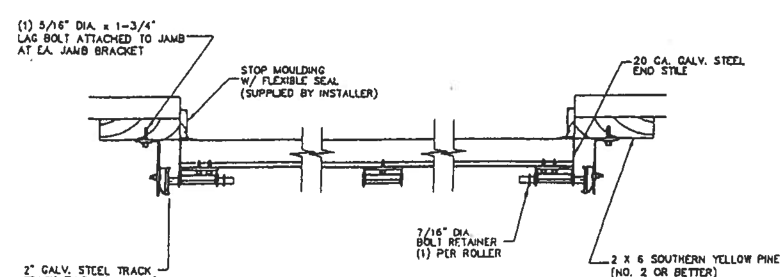
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6'	4'	21-1/2'	39'	57'		70'
7'-0'	4'	21-1/2'	42'	63'		76'
7'-6'	4'	18'	36'	54'	72'	82'
8'-0'	4'	21-1/2'	39'	57'	75'	88'

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.018") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY. G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   - A. BASIC WIND SPEED OF 110 MPH
   - B. DOOR CAN BE INSTALLED WITH 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   - C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   - D. USE FACTOR OF 1.0
   - E. EXPOSURE RATING OF C



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 8" FROM ENDS THEN 24" C.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 8" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

MAX SIZE 9' x 8'	
DESIGN LOADS +28.7 PSF -31.3 PSF	
TEST LOADS +43.0 PSF -44.0 PSF	

DESCRIPTION & REVISIONS | DATE | BY

Amarr
GARAGE DOORS

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

SIZE: B | DRAWING NUMBER: SBC-580-007-J
SCALE: NOT TO SCALE | SHEET 1 OF 1

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ———110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
☑	☐	**Elevations including:** a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

- ☐ ☐ ~~d) Location, size~~ and height above roof of chimneys.
- ☐ ☐ ~~e) Location~~ and size of skylights
- ☑ ☐ f) Building height
- ☑ ☐ e) Number of stories

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned.
- ☑ ☐ b) Shear walls identified.
- ☑ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
- ☑ ☐ d) Show safety glazing of glass, where required by code.
- ☑ ☐ e) Identify egress windows in bedrooms, and size.
- ☑ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
- ☐ ☐ ~~g) Stairs with dimensions~~ (width, tread and riser) and details of guardrails and handrails.
- ☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☐ ☐ c) Any special support required by soil analysis such as piling
- ☐ ☐ d) Location of any vertical steel.

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☑ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☑ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
  6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termiticide or alternative method)
  10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ ~~c) Metal frame wall and~~ roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

~~Floor Framing System:~~

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ ~~c) Gas System Type (LP~~ or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☑ ☐ **Private Potable Water**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** **If the project is to be located within the city limits of the Town of Fort White,** prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS	Capital		
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER	Brick		
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	30yr Arc		
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

APPLICANT SIGNATURE

DATE

R-1305 01-04

Freeman Design Group inc
Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Wednesday, December 13,2006

Columbia County Building Dept.
Lake City, FL. 32055

RE: **PERMIT #25005**

To Whom It May Concern:

The required shearwall hold downs shall be ½" all thread rod. The locations shall be on the ends of the Type II shearwall. If a Type II shearwall contains an opening of 3 feet or less and is sheathed with Windstorm o.s.b. and nailed according to the detailed fastener pattern, then all thread shall not be required on each side of the opening. If the opening is larger then 3 feet, then a ½" all thread rod shall be placed on each end of the opening. If you have any questions, please call me at (386) 758-4209.

Sincerely,

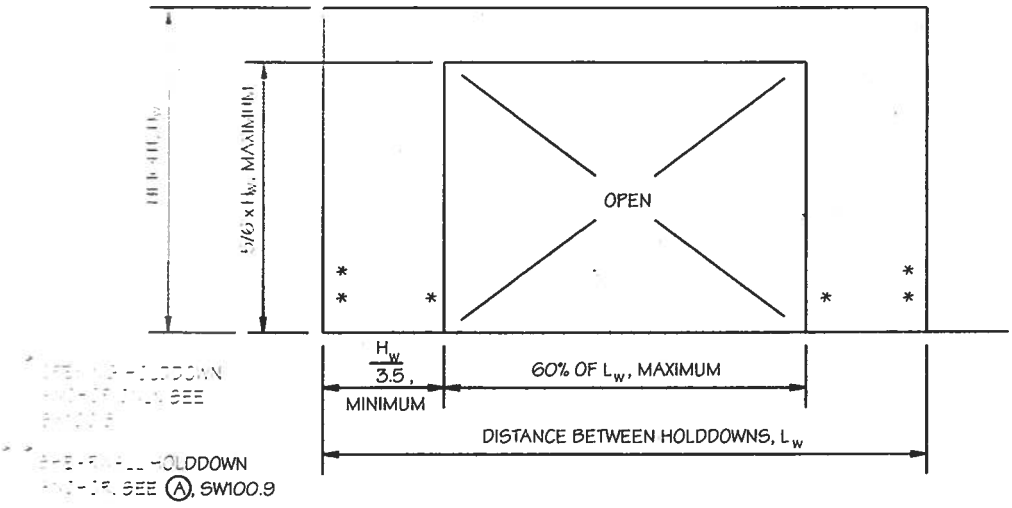
William H. Freeman

William H. Freeman, P.E.
President
Certificate of Authorization # 00008701

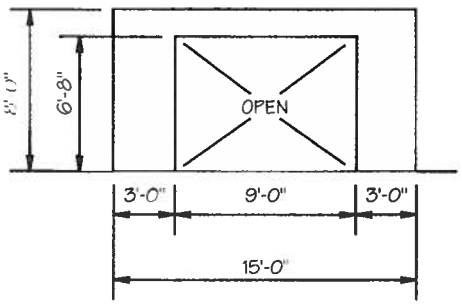
designed for the openings it contains.

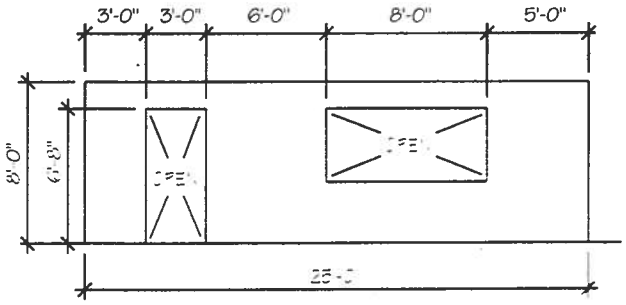
Type II Shearwall Parameters

SW100.2

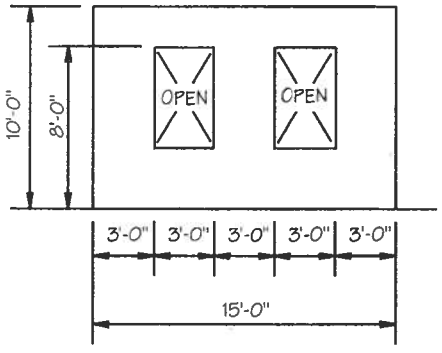


EXAMPLES





IN EACH CASE SHOWN, THERE IS 60% OR LESS OF THE LENGTH OPEN, THE OPENING HEIGHT IS EQUAL TO OR LESS THAN 5/6 THE WALL HEIGHT, AND EACH LENGTH WITHIN THE SEGMENTS IS GREATER THAN THE HEIGHT DIVIDED BY 3.5.



New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. # 25005

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 391 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB100478 Company Phone No. 386-755-3011
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Trent Bisheir Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 194 S.W Verna Cr. Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 10-4-06
Brand Name of Product(s) Used Termidor S.C
EPA Registration No. 7969-210
Approximate Final Mix Solution % 0.06%
Approximate Size of Treatment Area: Sq. ft. 345-4 Linear ft. 309 Linear ft. of Masonry Voids 307
Approximate Total Gallons of Solution Applied 5 35-
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No upon completion

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments Treated dwelling only

Name of Applicator(s) Steve Brannan Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Steve Brannan Date 10-4-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 11-4S-16-02911-312 **Building permit No.** 000025005

Use Classification SFD,UTILITY **Fire:** 39.06

Permit Holder TRENT GIEBEIG CONSTRUCTION **Waste:** 117.25

Owner of Building PETER & HOLLY GIEBEIG **Total:** 156.31

Location: 194 SW VANN COURT(MAYFAIR, LOT 12)

Date: 03/05/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Builders FirstSource

Project Information for: **L208402**

Builder: GIEBEIG HOMES
Lot : 12
Subdivision: MAYFAIR
County: COLUMBIA
Truss Count: 37
Design Program: MiTek 20/20 6.2
Building Code: FBC2004/TPI2002

August 24,2006

Truss Design Load Information:

Gravity: **Wind:**

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

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

Contractor of Record, responsible for structural engineering:
BRIAN TRENT GIEBEIG Florida License No. RR282811523
Address: 462 SW FAIRLINGTON CT, LAKE CITY,, FL

Truss Design Engineer: Lawrence A. Paine, PE Florida P.E. License No. 21475
Company: Builders FirstSource - Florida, LLC Address: 6550 Roosevelt Blvd. Jacksonville, FL 32244

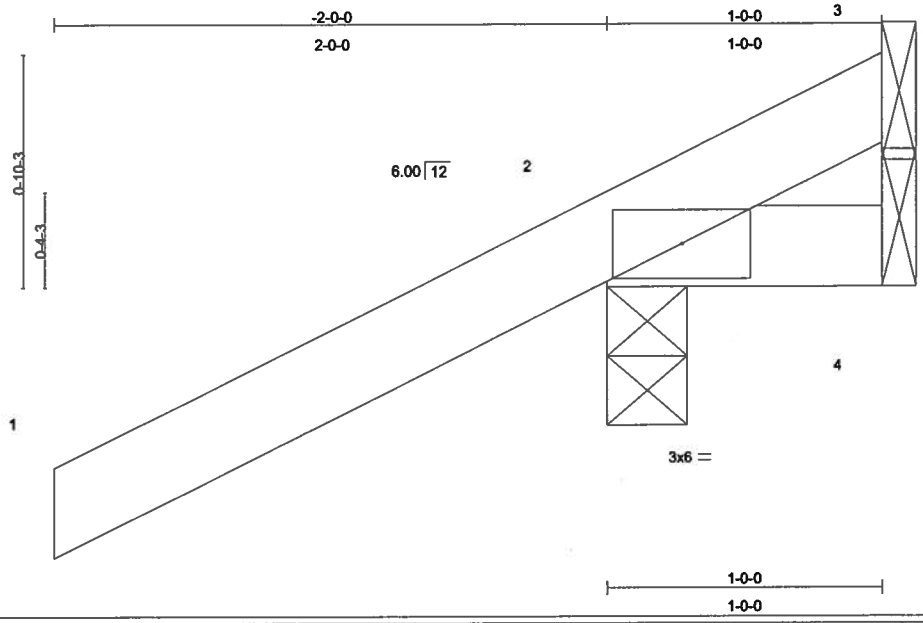
Notes:

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

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1710985	CJ1	8/24/06	29	J1711013	T19	8/24/06
2	J1710986	CJ3	8/24/06	30	J1711014	T20	8/24/06
3	J1710987	CJ5	8/24/06	31	J1711015	T21	8/24/06
4	J1710988	EJ3	8/24/06	32	J1711016	T22	8/24/06
5	J1710989	EJ7	8/24/06	33	J1711017	T23	8/24/06
6	J1710990	EJ7A	8/24/06	34	J1711018	T24	8/24/06
7	J1710991	HJ4	8/24/06	35	J1711019	T25	8/24/06
8	J1710992	HJ9	8/24/06	36	J1711020	T26	8/24/06
9	J1710993	PB01	8/24/06	37	J1711021	T27	8/24/06
10	J1710994	PB02	8/24/06				
11	J1710995	PB03	8/24/06				
12	J1710996	T01	8/24/06				
13	J1710997	T02	8/24/06				
14	J1710998	T03	8/24/06				
15	J1710999	T04	8/24/06				
16	J1711000	T05	8/24/06				
17	J1711001	T06	8/24/06				
18	J1711002	T07	8/24/06				
19	J1711003	T08	8/24/06				
20	J1711004	T09	8/24/06				
21	J1711005	T10	8/24/06				
22	J1711006	T11	8/24/06				
23	J1711007	T12	8/24/06				
24	J1711008	T13	8/24/06				
25	J1711009	T14	8/24/06				
26	J1711010	T15	8/24/06				
27	J1711011	T16	8/24/06				
28	J1711012	T18	8/24/06				

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710985
L208402	CJ1	JACK	18	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 10:20:45 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 5)
Max Uplift 2=-286(load case 5), 4=-9(load case 3), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=127(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

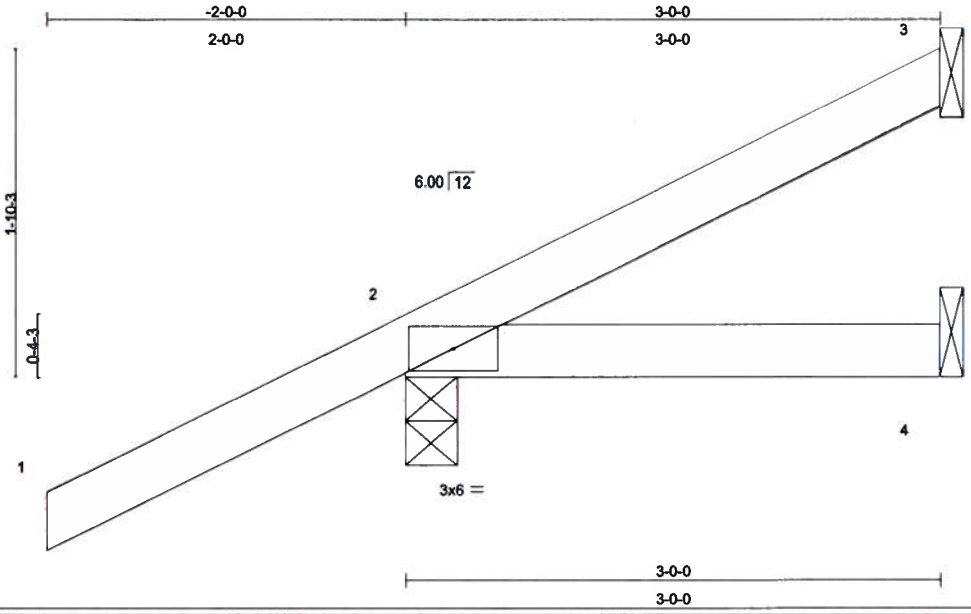
Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

LOAD CASE(S) Standard

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710986
L208402	CJ3	JACK	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 10:20:45 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-28(load case 6), 2=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

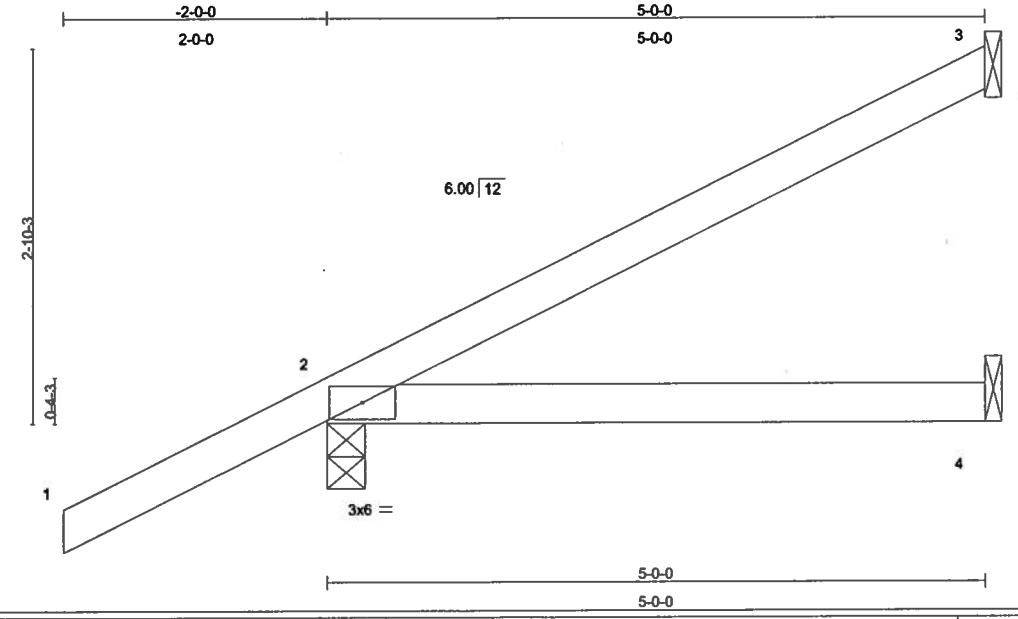
LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710987
L208402	CJ5	JACK	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 10:20:45 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=-87(load case 5), 2=-199(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710988
L208402	EJ3	JACK	3	1	Job Reference (optional)

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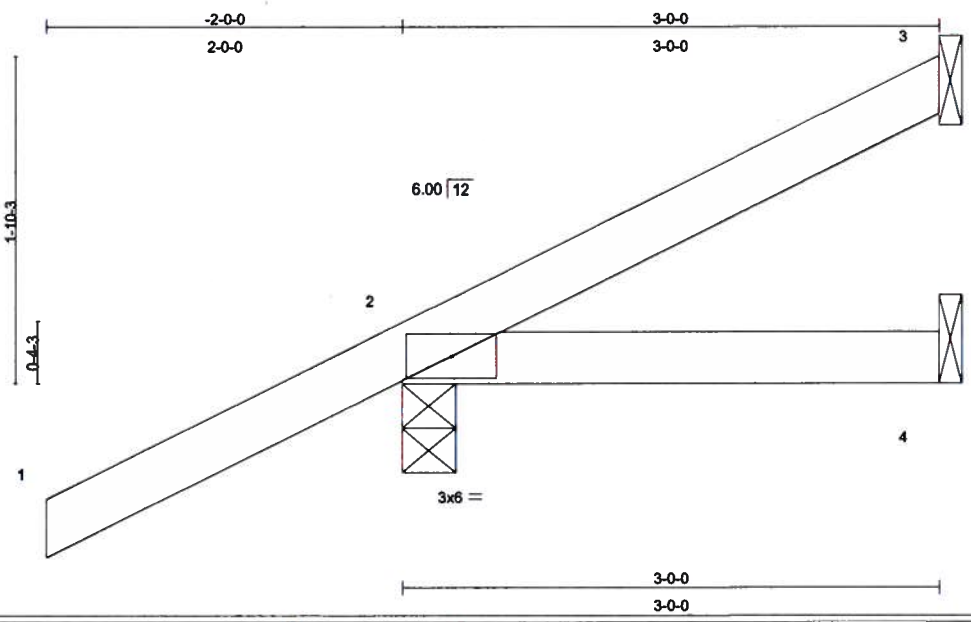

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-28(load case 6), 2=-238(load case 5), 4=-27(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710989
L208402	EJ7	MONO TRUSS	42	1	Job Reference (optional)

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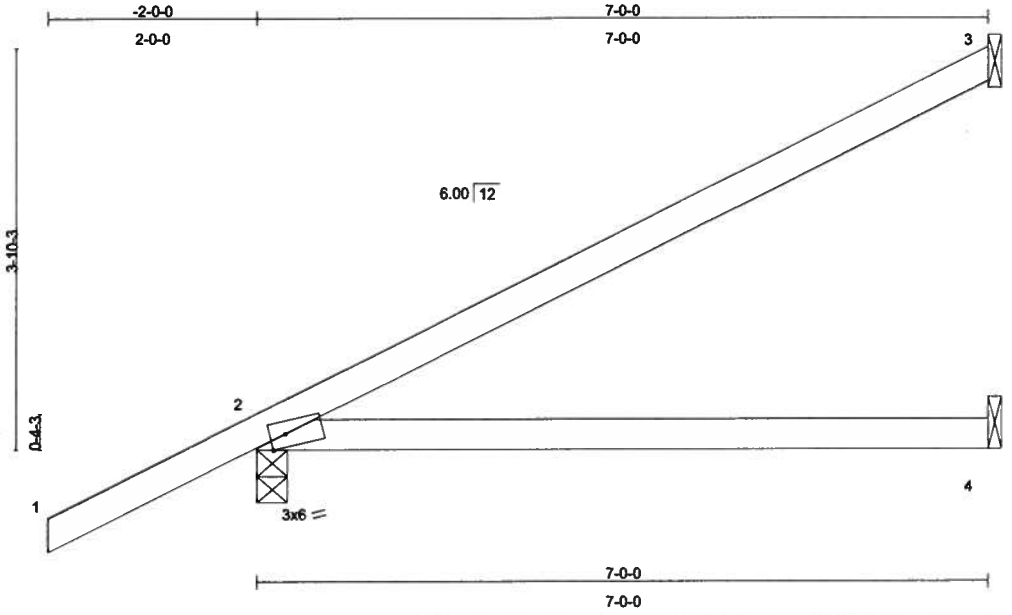

Plate Offsets (X,Y): [2:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	2-4	>397	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-134(load case 5), 2=-210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.77

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710990
L208402	EJ7A	MONO TRUSS	5	1	Job Reference (optional)

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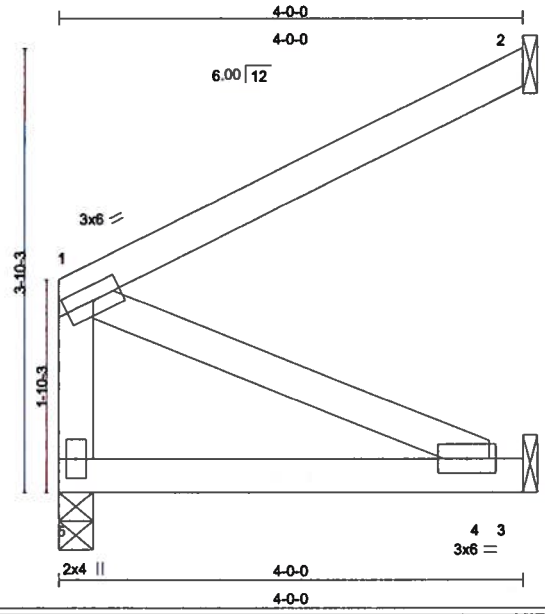

Scale = 1:19.2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 2=102/Mechanical, 5=159/0-3-8, 3=57/Mechanical
Max Horz 5=87(load case 5)
Max Uplift 2=-93(load case 5), 5=-1(load case 5), 3=-26(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-79/37, 1-5=-102/23
BOT CHORD 4-5=-131/0, 3-4=0/0
WEBS 1-4=0/144

JOINT STRESS INDEX
1 = 0.06, 4 = 0.04 and 5 = 0.04

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 2, 1 lb uplift at joint 5 and 26 lb uplift at joint 3.

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

LOAD CASE(S) Standard

August 24,2006

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710991
L208402	HJ4	JACK	2	1	Job Reference (optional)

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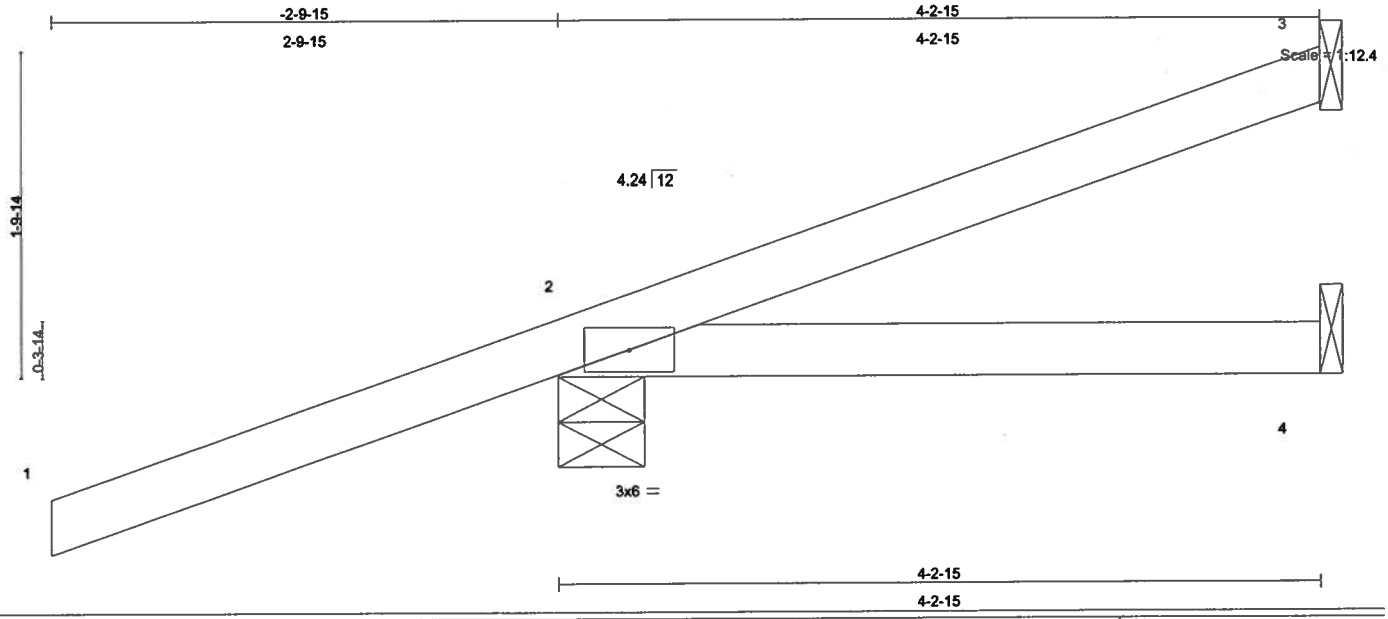

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 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 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=13/Mechanical, 2=293/0-5-11, 4=42/Mechanical
Max Horz 2=98(load case 2)
Max Uplift 3=-5(load case 4), 2=-305(load case 2), 4=-41(load case 2)
Max Grav 3=33(load case 5), 2=293(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-38/11
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 3, 305 lb uplift at joint 2 and 41 lb uplift at joint 4.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710991
L208402	HJ4	JACK	2	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-3(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=0(F=15, B=15)-to-4=-32(F=-1, B=-1)

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710992
L208402	HJ9	MONO TRUSS	7	1	Job Reference (optional)

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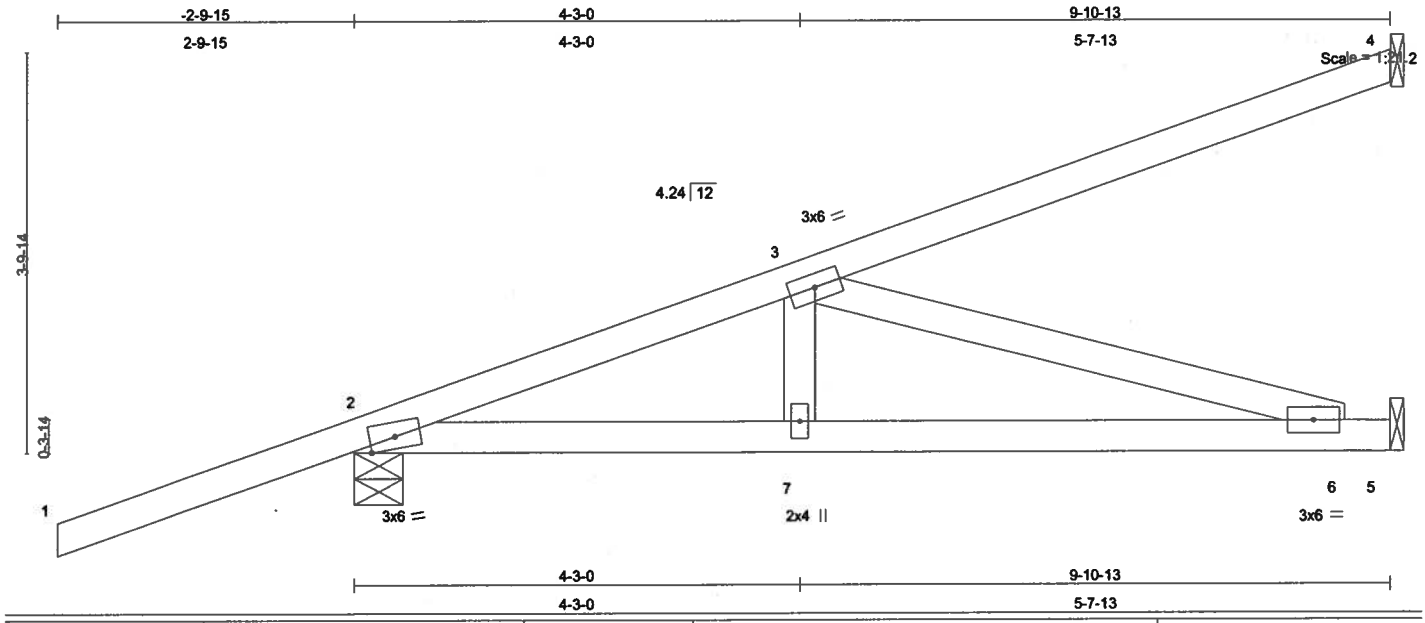

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.18	6-7	>623	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=270/Mechanical, 2=535/0-5-11, 5=374/Mechanical
Max Horz 2=269(load case 2)
Max Uplift 4=-232(load case 2), 2=-281(load case 2), 5=-62(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-884/120, 3-4=-105/66
BOT CHORD 2-7=-308/818, 6-7=-308/818, 5-6=0/0
WEBS 3-7=0/188, 3-6=-852/321

JOINT STRESS INDEX
2 = 0.74, 3 = 0.22, 6 = 0.23 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 4, 281 lb uplift at joint 2 and 62 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710992
L208402	HJ9	MONO TRUSS	7	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710993
L208402	PB01	PIGGYBACK	7	1	Job Reference (optional)

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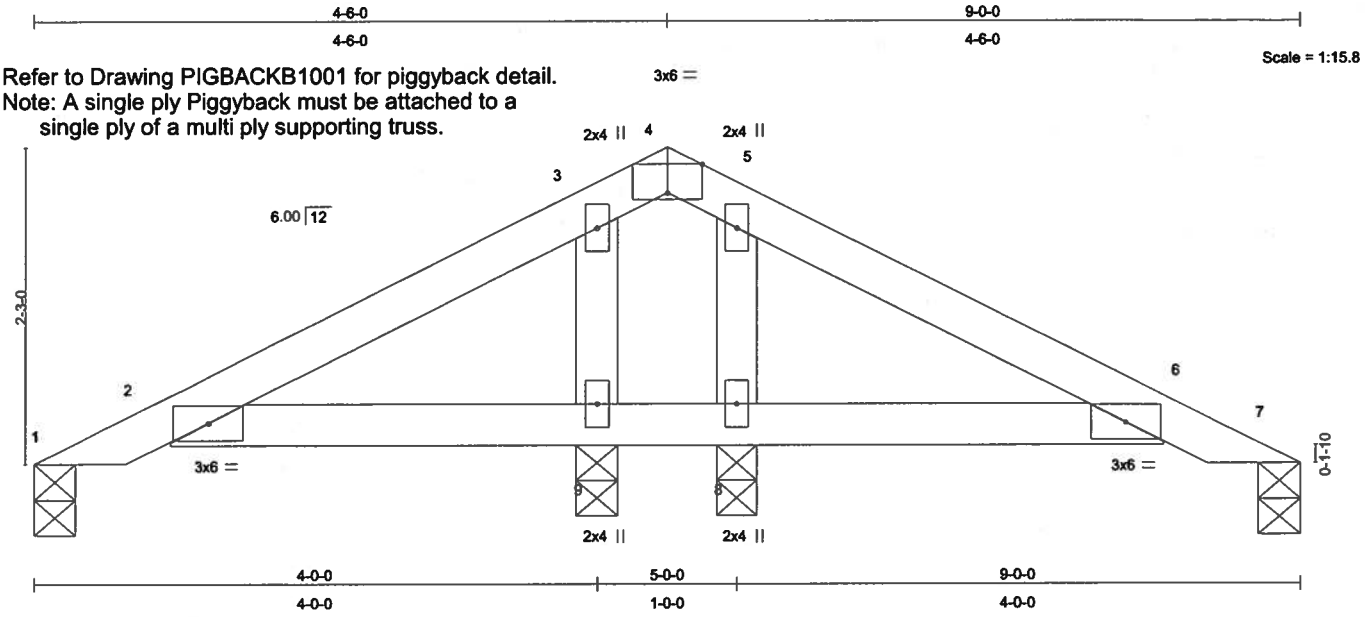

Plate Offsets (X,Y): [4:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

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

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

REACTIONS (lb/size) 1=40/0-3-8, 7=40/0-3-8, 9=310/0-3-8, 8=310/0-3-8
Max Horz 1=32(load case 4)
Max Uplift 1=-12(load case 5), 7=-23(load case 6), 9=-151(load case 5), 8=-140(load case 6)
Max Grav 1=59(load case 9), 7=59(load case 10), 9=351(load case 9), 8=351(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-27/38, 2-3=-165/281, 3-4=-67/188, 4-5=-67/188, 5-6=-165/281, 6-7=-22/15
BOT CHORD 2-9=-210/215, 8-9=-210/215, 6-8=-210/215
WEBS 3-9=-245/191, 5-8=-245/191

JOINT STRESS INDEX
2 = 0.21, 3 = 0.10, 4 = 0.08, 5 = 0.10, 6 = 0.21, 8 = 0.11 and 9 = 0.11

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Truss Design Engineer: Lawrence A. Paine, PE
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August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710993
L208402	PB01	PIGGYBACK	7	1	Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 23 lb uplift at joint 7, 151 lb uplift at joint 9 and 140 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710994
L208402	PB02	HIP PIGGYBACK	2	1	Job Reference (optional)

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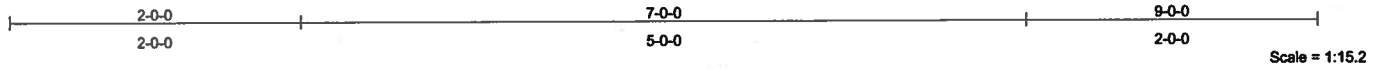
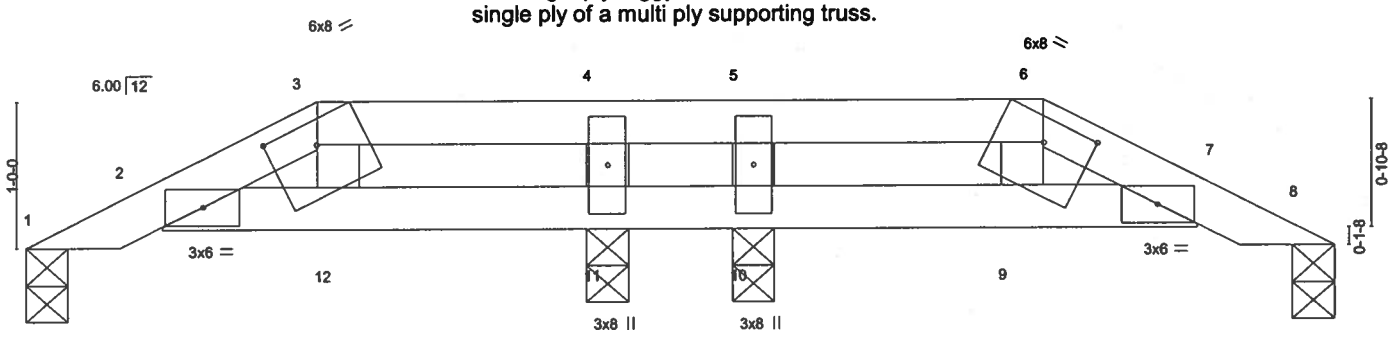


Scale = 1:15.2

Refer to Drawing PIGBACKB1001 for piggyback detail.
Note: A single ply Piggyback must be attached to a single ply of a multi ply supporting truss.



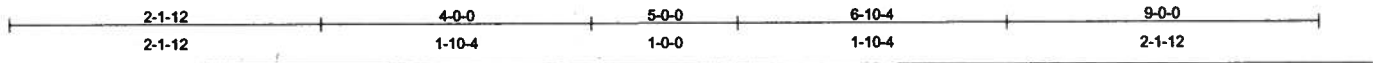


Plate Offsets (X,Y): [3:0-4-0,0-1-15], [6:0-4-0,0-1-15]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	0.01	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.02	12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 1=138/0-3-8, 8=138/0-3-8, 11=212/0-3-8, 10=212/0-3-8
Max Horz 1=-14(load case 3)
Max Uplift 1=-49(load case 5), 8=-51(load case 6), 11=-87(load case 4), 10=-84(load case 3)
Max Grav 1=138(load case 1), 8=138(load case 1), 11=242(load case 9), 10=242(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-55/44, 2-3=-128/87, 3-4=-110/91, 4-5=-110/92, 5-6=-110/91, 6-7=-128/87, 7-8=-55/44
BOT CHORD 2-12=-41/111, 11-12=-30/110, 10-11=-30/110, 9-10=-30/110, 7-9=-41/111
WEBS 3-12=-5/42, 6-9=-5/42, 4-11=-133/110, 5-10=-133/110

JOINT STRESS INDEX
2 = 0.29, 3 = 0.09, 4 = 0.00, 5 = 0.00, 6 = 0.09, 7 = 0.29, 9 = 0.00, 10 = 0.07, 11 = 0.07 and 12 = 0.00

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

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710994
L208402	PB02	HIP PIGGYBACK	2	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 8 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 49 lb uplift at joint 1, 51 lb uplift at joint 8, 87 lb uplift at joint 11 and 84 lb uplift at joint 10.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710995
L208402	PB03	HIP PIGGYBACK	2	1	Job Reference (optional)

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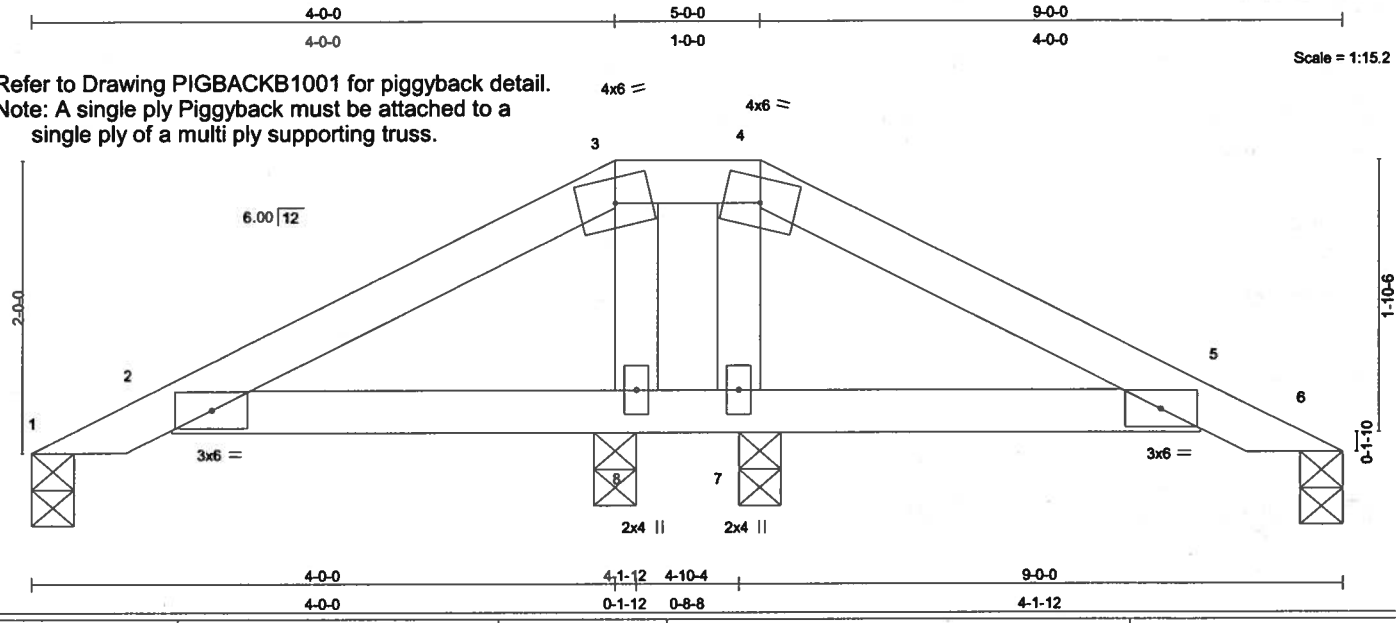

Refer to Drawing PIGBACKB1001 for piggyback detail.
Note: A single ply Piggyback must be attached to a single ply of a multi ply supporting truss.

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.01	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	5-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

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

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

REACTIONS (lb/size) 1=41/0-3-8, 6=41/0-3-8, 8=309/0-3-8, 7=309/0-3-8
Max Horz 1=-28(load case 3)
Max Uplift 1=-18(load case 5), 6=-28(load case 6), 8=-146(load case 5), 7=-136(load case 6)
Max Grav 1=62(load case 9), 6=62(load case 10), 8=366(load case 9), 7=366(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-23/35, 2-3=-147/282, 3-4=-89/234, 4-5=-147/282, 5-6=-23/18
BOT CHORD 2-8=-212/198, 7-8=-234/215, 5-7=-212/198
WEBS 3-8=-248/185, 4-7=-248/185

JOINT STRESS INDEX
2 = 0.22, 3 = 0.35, 4 = 0.35, 5 = 0.22, 7 = 0.10 and 8 = 0.10

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710995
L208402	PB03	HIP PIGGYBACK	2	1	Job Reference (optional)

NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 6 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 18 lb uplift at joint 1, 28 lb uplift at joint 6, 146 lb uplift at joint 8 and 136 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
L208402	T01	HIP	1	2	J1710996 Job Reference (optional)

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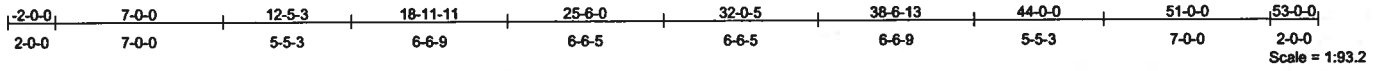

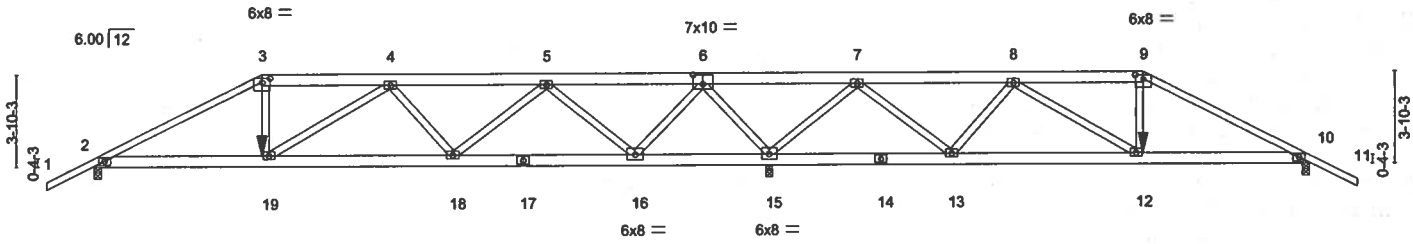

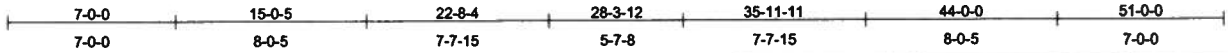

Plate Offsets (X,Y): [3:0-4-0,0-1-15], [6:0-5-0,0-4-8], [9:0-4-0,0-1-15]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.16	18-19	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 629 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* 3-6 2 X 6 SYP No.1D, 6-9 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16,13-15.

REACTIONS (lb/size) 2=1983/0-3-8, 15=5908/0-3-8, 10=1327/0-3-8
Max Horz 2=-89(load case 5)
Max Uplift 2=-880(load case 4), 15=-2606(load case 3), 10=-639(load case 5)
Max Grav 2=1989(load case 8), 15=5908(load case 1), 10=1337(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-3706/1548, 3-4=-3295/1439, 4-5=-3278/1418, 5-6=-89/65, 6-7=-1863/4233, 7-8=-425/197, 8-9=-1972/888, 9-10=-2259/916, 10-11=0/51
BOT CHORD 2-19=-1343/3244, 18-19=-1659/3657, 17-18=-983/2064, 16-17=-983/2064, 15-16=-1766/748, 14-15=-1550/631, 13-14=-1550/631, 12-13=-585/1300, 10-12=-735/1949
WEBS 3-19=-414/1199, 4-19=-548/425, 4-18=-632/523, 5-18=-472/1609, 5-16=-2684/1380, 6-16=-1078/2839, 6-15=-3862/1903, 7-15=-3633/1794, 7-13=-882/2547, 8-13=-1450/880, 8-12=-250/814, 9-12=-123/552

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
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JOINT STRESS INDEX
2 = 0.57, 3 = 0.55, 4 = 0.26, 5 = 0.65, 6 = 0.50, 7 = 0.65, 8 = 0.26, 9 = 0.55, 10 = 0.57, 12 = 0.27, 13 = 0.52, 14 = 0.33, 15 = 0.40, 16 = 0.40, 17 = 0.33, 18 = 0.52 and 19 = 0.27

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
					J1710996
L208402	T01	HIP	1	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 4x6 MT20 unless otherwise indicated.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 880 lb uplift at joint 2, 2606 lb uplift at joint 15 and 639 lb uplift at joint 10.
9) Girder carries hip end with 7-0-0 end setback.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-9=-118(F=-64), 9-11=-54, 2-19=-30, 12-19=-65(F=-35), 10-12=-30
   Concentrated Loads (lb)
   Vert: 19=-539(F) 12=-539(F)

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710997
L208402	T02	HIP	1	1	Job Reference (optional)

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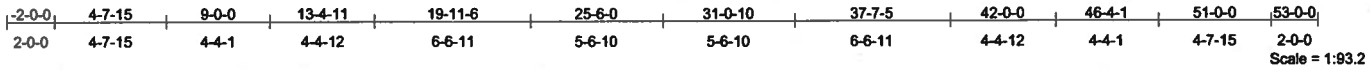

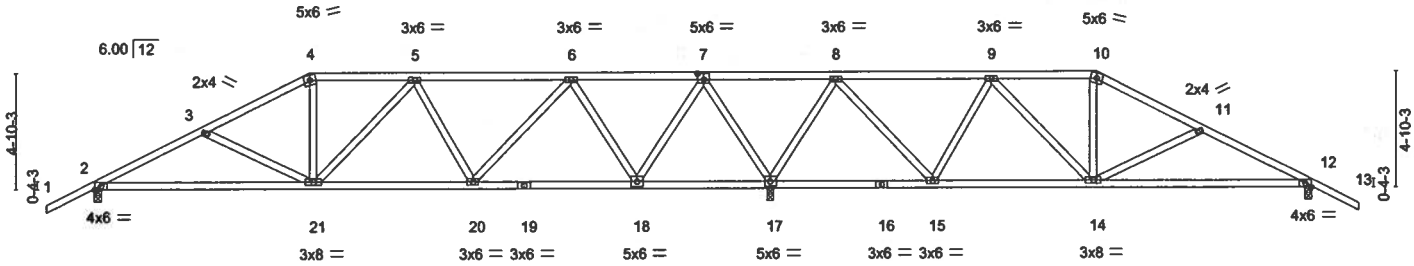

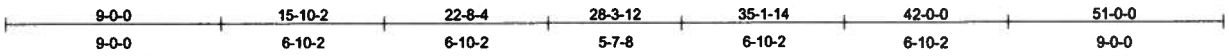

Plate Offsets (X,Y): [7:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.16	2-21	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.28	2-21	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=1062/0-3-8, 17=2663/0-3-8, 12=766/0-3-8
Max Horz 2=-101(load case 6)
Max Uplift 2=-421(load case 5), 17=-879(load case 4), 12=-369(load case 6)
Max Grav 2=1076(load case 9), 17=2663(load case 1), 12=786(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1618/687, 3-4=-1359/571, 4-5=-1175/564, 5-6=-1007/501, 6-7=-47/136, 7-8=-421/1479, 8-9=-9/125, 9-10=-601/341, 10-11=-728/325, 11-12=-1001/446, 12-13=0/47
BOT CHORD 2-21=-452/1406, 20-21=-381/1173, 19-20=-206/554, 18-19=-206/554, 17-18=-666/391, 16-17=-787/428, 15-16=-787/428, 14-15=-57/331, 12-14=-239/860
WEBS 3-21=-272/222, 4-21=-73/366, 5-21=-86/152, 5-20=-367/203, 6-20=-194/696, 6-18=-1001/457, 7-18=-413/1222, 7-17=-1548/646, 8-17=-1344/588, 8-15=-343/1086, 9-15=-702/331, 9-14=-106/424, 10-14=0/88, 11-14=-293/231

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JOINT STRESS INDEX
2 = 0.72, 3 = 0.33, 4 = 0.28, 5 = 0.43, 6 = 0.68, 7 = 0.62, 8 = 0.68, 9 = 0.43, 10 = 0.28, 11 = 0.33, 12 = 0.72, 14 = 0.56, 15 = 0.68, 16 = 0.29, 17 = 0.46, 18 = 0.46, 19 = 0.29, 20 = 0.68 and 21 = 0.56

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710997
L208402	T02	HIP	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 2, 879 lb uplift at joint 17 and 369 lb uplift at joint 12.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710998
L208402	T03	SPECIAL	1	1	Job Reference (optional)

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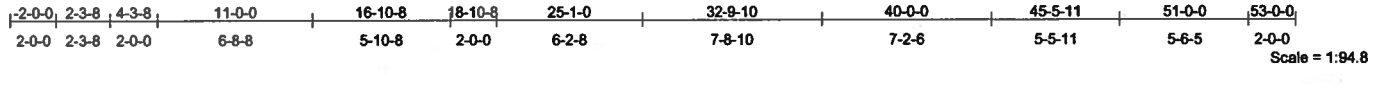

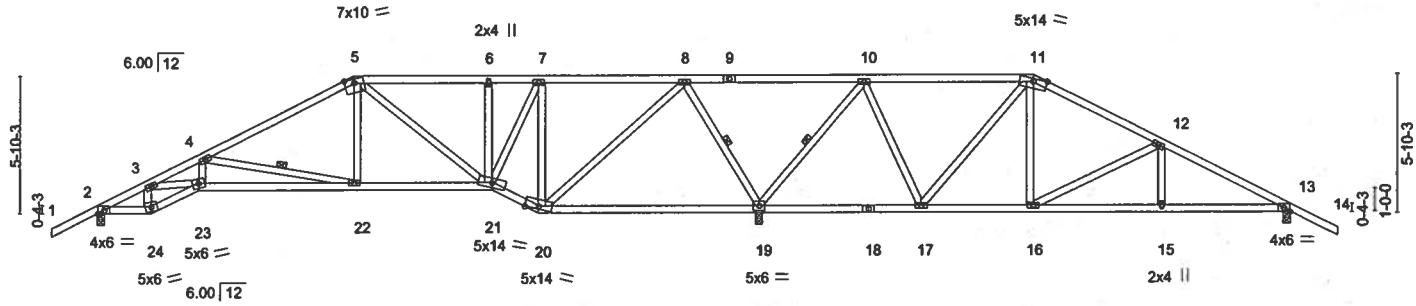

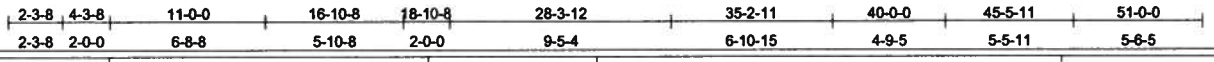

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.19	22-23	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.31	22-23	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.10	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 287 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-4-4 oc bracing: 22-23
6-0-0 oc bracing: 19-20,17-19.
WEBS 1 Row at midpt 4-22, 8-19, 10-19

REACTIONS (lb/size) 2=970/0-3-8, 19=2869/0-3-8, 13=652/0-3-8
Max Horz 2=-115(load case 6)
Max Uplift 2=-408(load case 5), 19=-873(load case 4), 13=-368(load case 6)
Max Grav 2=991(load case 9), 19=2869(load case 1), 13=713(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1497/503, 3-4=-2722/978, 4-5=-1233/511, 5-6=-637/373, 6-7=-637/374, 7-8=-327/282, 8-9=-467/1672, 9-10=-467/1672, 10-11=-68/418, 11-12=-386/232, 12-13=-899/334, 13-14=0/47
BOT CHORD 2-24=-323/1262, 23-24=-333/1346, 22-23=-732/2357, 21-22=-277/1055, 20-21=-118/309, 19-20=-861/463, 18-19=-702/412, 17-18=-702/412, 16-17=-20/300, 15-16=-159/740, 13-15=-159/740
WEBS 3-24=-583/180, 3-23=-469/1251, 4-23=-90/672, 4-22=-1340/570, 5-22=-70/475, 5-21=-565/209, 6-21=-226/160, 7-21=-255/740, 7-20=-865/367, 8-20=-515/1500, 8-19=-1616/726, 10-19=-1543/662, 10-17=-238/852, 11-17=-830/332, 11-16=-90/375, 12-16=-506/259, 12-15=0/182

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710998
L208402	T03	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.52, 3 = 0.60, 4 = 0.48, 5 = 0.68, 6 = 0.33, 7 = 0.62, 8 = 0.90, 9 = 0.62, 10 = 0.72, 11 = 0.86, 12 = 0.39, 13 = 0.33, 15 = 0.33, 16 = 0.34, 17 = 0.72, 18 = 0.16, 19 = 0.31, 20 = 0.52, 21 = 0.39, 22 = 0.37, 23 = 0.72 and 24 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 2, 873 lb uplift at joint 19 and 368 lb uplift at joint 13.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710999
L208402	T04	SPECIAL	1	1	Job Reference (optional)

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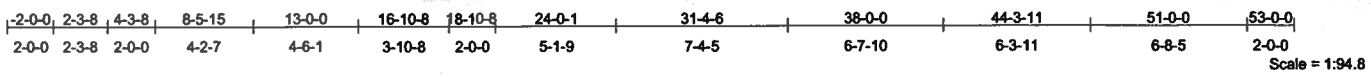

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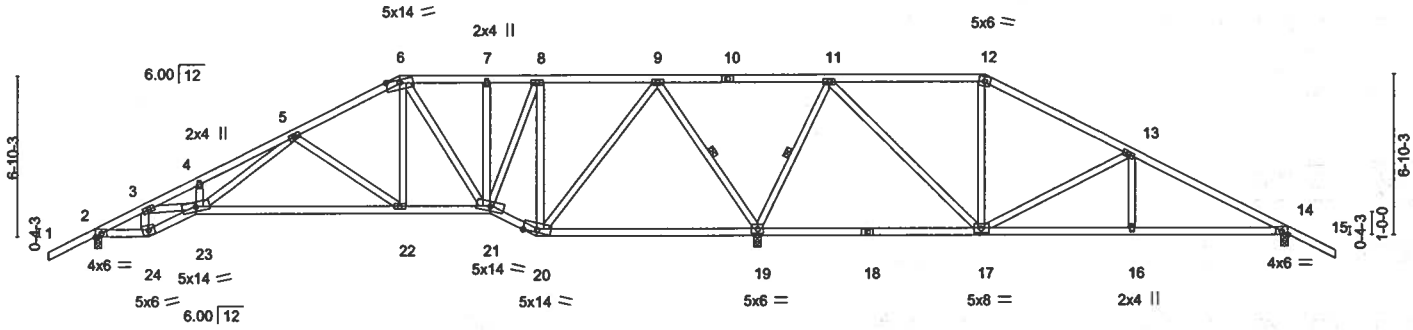

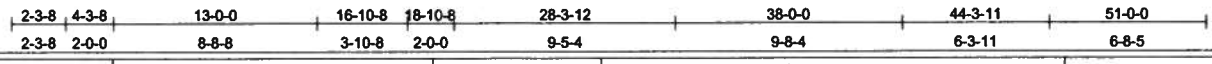

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.24	22-23	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.40	22-23	>845	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.08	19	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 299 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20,17-19.
WEBS 1 Row at midpt 9-19, 11-19

REACTIONS (lb/size) 2=949/0-3-8, 19=2916/0-3-8, 14=626/0-3-8
Max Horz 2=129(load case 5)
Max Uplift 2=-414(load case 5), 19=-805(load case 4), 14=-378(load case 6)
Max Grav 2=978(load case 9), 19=2916(load case 1), 14=708(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1472/526, 3-4=-2588/882, 4-5=-2585/976, 5-6=-905/441, 6-7=-466/345, 7-8=-466/345, 8-9=-232/274, 9-10=-368/1499, 10-11=-368/1499, 11-12=-120/240, 12-13=-220/229, 13-14=-826/347, 14-15=0/47
BOT CHORD 2-24=-360/1252, 23-24=-365/1336, 22-23=-353/1251, 21-22=-188/774, 20-21=-92/204, 19-20=-617/393, 18-19=-908/510, 17-18=-908/510, 16-17=-157/667, 14-16=-157/667
WEBS 3-24=-607/189, 3-23=-330/1120, 4-23=-128/175, 5-23=-392/1338, 5-22=-604/359, 6-22=-164/609, 6-21=-585/184, 7-21=-165/111, 8-21=-209/659, 8-20=-778/314, 9-20=-414/1244, 9-19=-1606/703, 11-19=-1399/639, 11-17=-428/1229, 12-17=-349/191, 13-17=-616/348, 13-16=0/199

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.51, 3 = 0.53, 4 = 0.33, 5 = 0.83, 6 = 0.38, 7 = 0.33, 8 = 0.58, 9 = 0.87, 10 = 0.75, 11 = 0.76, 12 = 0.69, 13 = 0.39, 14 = 0.31, 16 = 0.33, 17 = 0.57, 18 = 0.45, 19 = 0.30, 20 = 0.51, 21 = 0.36, 22 = 0.39, 23 = 0.50 and 24 = 0.38

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1710999
L208402	T04	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 414 lb uplift at joint 2, 805 lb uplift at joint 19 and 378 lb uplift at joint 14.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711000
L208402	T05	SPECIAL	1	1	Job Reference (optional)

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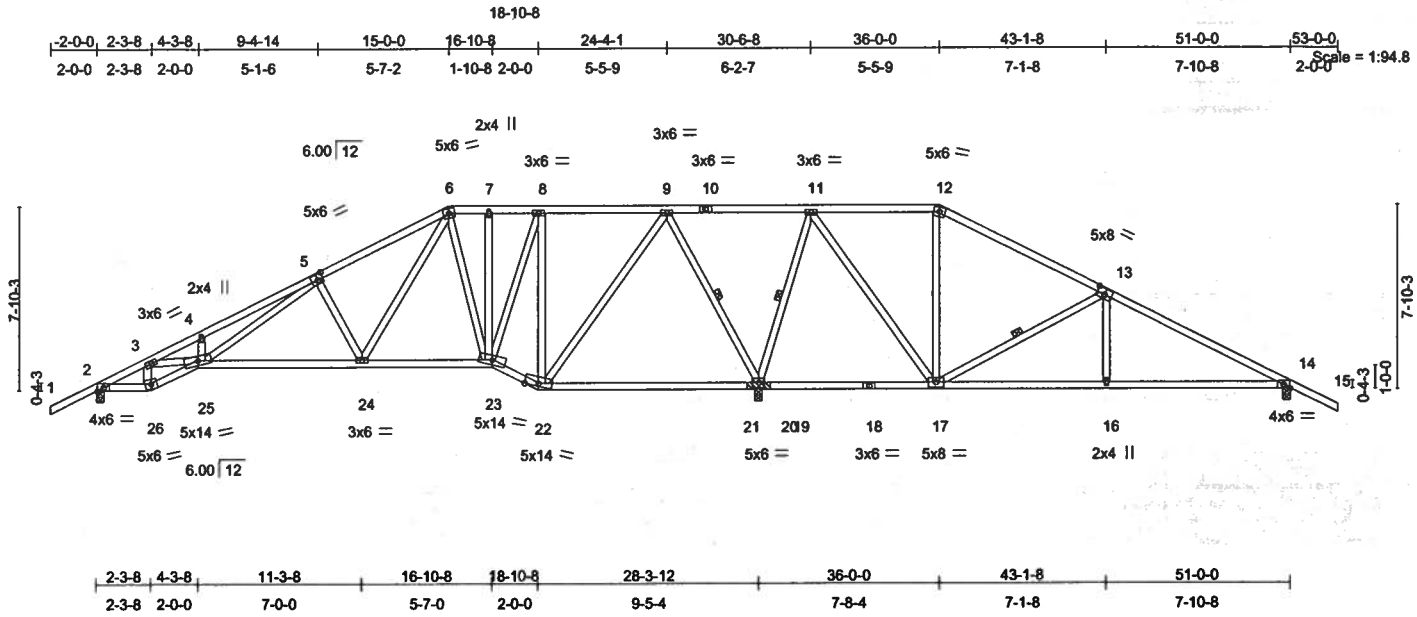

Plate Offsets (X,Y): [5:0-3-0,0-3-0], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.19	24-25	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.30	24-25	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.08	20	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 316 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-1 oc bracing.
WEBS 1 Row at midpt 9-20, 11-20, 13-17

REACTIONS (lb/size) 2=920/0-3-8, 20=2982/0-3-8, 14=589/0-3-8
Max Horz 2=143(load case 5)
Max Uplift 2=-411(load case 5), 20=-743(load case 5), 14=-380(load case 6)
Max Grav 2=957(load case 9), 20=2982(load case 1), 14=699(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1447/504, 3-4=-2444/869, 4-5=-2455/979, 5-6=-1054/544, 6-7=-343/308, 7-8=-343/308, 8-9=-156/263, 9-10=-311/1409, 10-11=-311/1409, 11-12=-39/408, 12-13=-83/469, 13-14=-749/331, 14-15=0/47
BOT CHORD 2-26=-364/1226, 25-26=-369/1296, 24-25=-318/1126, 23-24=-124/481, 22-23=-61/241, 21-22=-687/459, 20-21=-687/459, 19-20=-1015/598, 18-19=-1015/598, 17-18=-1015/598, 16-17=-128/587, 14-16=-128/590
WEBS 3-26=-533/195, 3-25=-346/1012, 4-25=-164/204, 5-25=-458/1306, 5-24=-534/370, 6-24=-335/804, 6-23=-578/290, 7-23=-54/32, 8-23=-179/615, 8-22=-810/314, 9-22=-441/1282, 9-20=-1550/677, 11-20=-1393/622, 11-17=-471/1251, 12-17=-462/227, 13-17=-755/421, 13-16=0/260

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711000
L208402	T05	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.50, 3 = 0.48, 4 = 0.33, 5 = 0.57, 6 = 0.40, 7 = 0.33, 8 = 0.56, 9 = 0.93, 10 = 0.52, 11 = 0.90, 12 = 0.69, 13 = 0.70, 14 = 0.29, 16 = 0.33, 17 = 0.60, 18 = 0.21, 19 = 0.00, 19 = 0.00, 20 = 0.34, 20 = 0.00, 21 = 0.00, 21 = 0.00, 22 = 0.54, 23 = 0.34, 24 = 0.62, 25 = 0.41 and 26 = 0.32

NOTES

1) 2 X 4 SYP No.2 bearing block 12" long at jt. 20 attached to front face with 2 rows of 0.131"x3" Nails spaced 3" o.c. 8 Total fasteners. Bearing Fc perp is assumed to be 565 psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) Provide adequate drainage to prevent water ponding.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 2, 743 lb uplift at joint 20 and 380 lb uplift at joint 14.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711001
L208402	T06	SPECIAL	1	1	Job Reference (optional)

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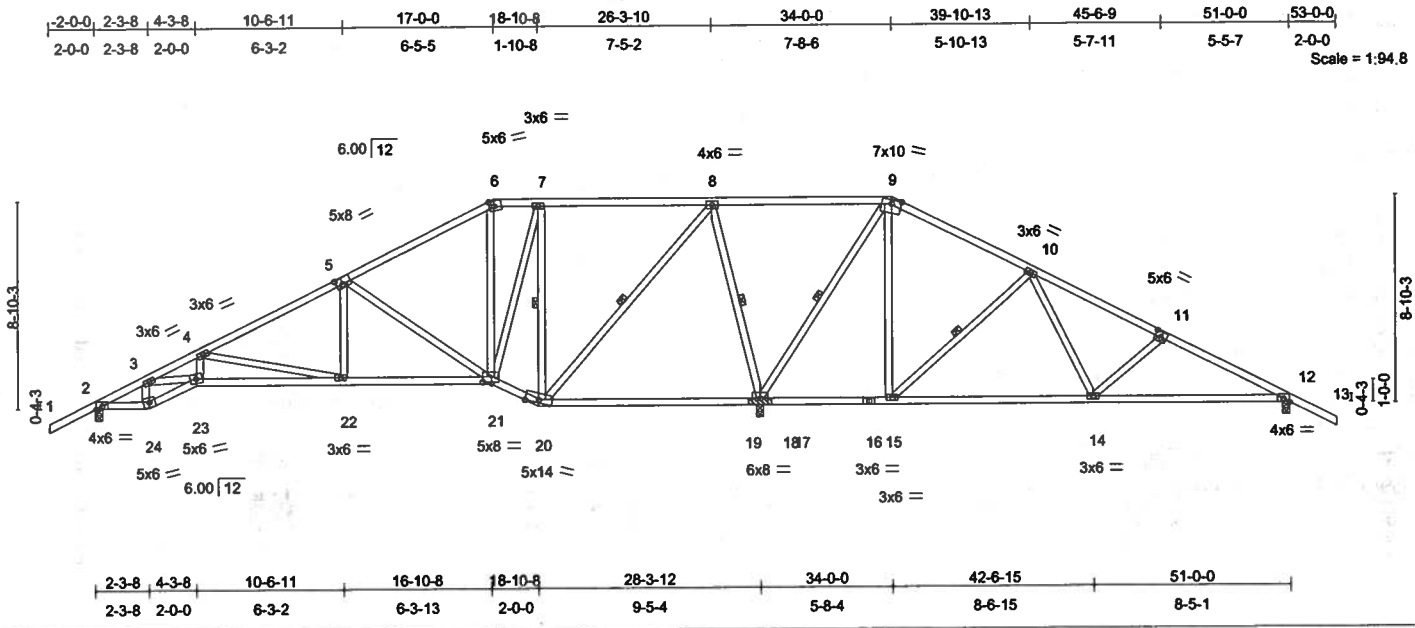

Plate Offsets (X,Y): [5:0-3-8,0-3-4], [6:0-2-3,Edge], [11:0-3-0,0-3-0], [21:0-4-8,0-0-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.17	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.29	18-20	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.09	18	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 315 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-12 oc bracing.
WEBS 1 Row at midpt 7-20, 8-20, 8-18, 9-18, 10-15

REACTIONS (lb/size) 2=889/0-3-8, 18=3051/0-3-10 (0-3-8 + bearing block), 12=551/0-3-8
Max Horz 2=-157(load case 6)
Max Uplift 2=-404(load case 5), 18=-798(load case 5), 12=-375(load case 6)
Max Grav 2=938(load case 9), 18=3051(load case 1), 12=686(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1400/467, 3-4=-2479/879, 4-5=-1163/486, 5-6=-385/261, 6-7=-269/303, 7-8=-107/257, 8-9=-273/1345, 9-10=-124/670, 10-11=-558/309, 11-12=-792/369, 12-13=0/47
BOT CHORD 2-24=-352/1179, 23-24=-362/1255, 22-23=-730/2141, 21-22=-259/996, 20-21=-67/298, 19-20=-978/616, 18-19=-978/616, 17-18=-564/447, 16-17=-564/447, 15-16=-564/447, 14-15=-352/206, 12-14=-188/653
WEBS 3-24=-535/201, 3-23=-416/1105, 4-23=-106/619, 4-22=-1179/482, 5-22=-61/463, 5-21=-875/451, 6-21=-125/100, 7-21=-250/648, 7-20=-860/334, 8-20=-548/1492, 8-18=-1605/742, 9-18=-1502/612, 9-15=-228/618, 10-15=-633/394, 10-14=-132/539, 11-14=-301/267

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711001
L208402	T06	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.49, 3 = 0.53, 4 = 0.45, 5 = 0.45, 6 = 0.48, 7 = 0.62, 8 = 0.67, 9 = 0.81, 10 = 0.40, 11 = 0.37, 12 = 0.41, 14 = 0.45, 15 = 0.39, 16 = 0.23, 17 = 0.00, 17 = 0.00, 18 = 0.33, 18 = 0.00, 19 = 0.00, 19 = 0.00, 20 = 0.58, 21 = 0.40, 22 = 0.34, 23 = 0.66 and 24 = 0.31

NOTES

1) 2 X 4 SYP No.2 bearing block 12" long at jt. 18 attached to front face with 2 rows of 0.131"x3" Nails spaced 3" o.c. 8 Total fasteners. Bearing Fc perp is assumed to be 565 psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) Provide adequate drainage to prevent water ponding.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 2, 798 lb uplift at joint 18 and 375 lb uplift at joint 12.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711002
L208402	T07	SPECIAL	1	1	Job Reference (optional)

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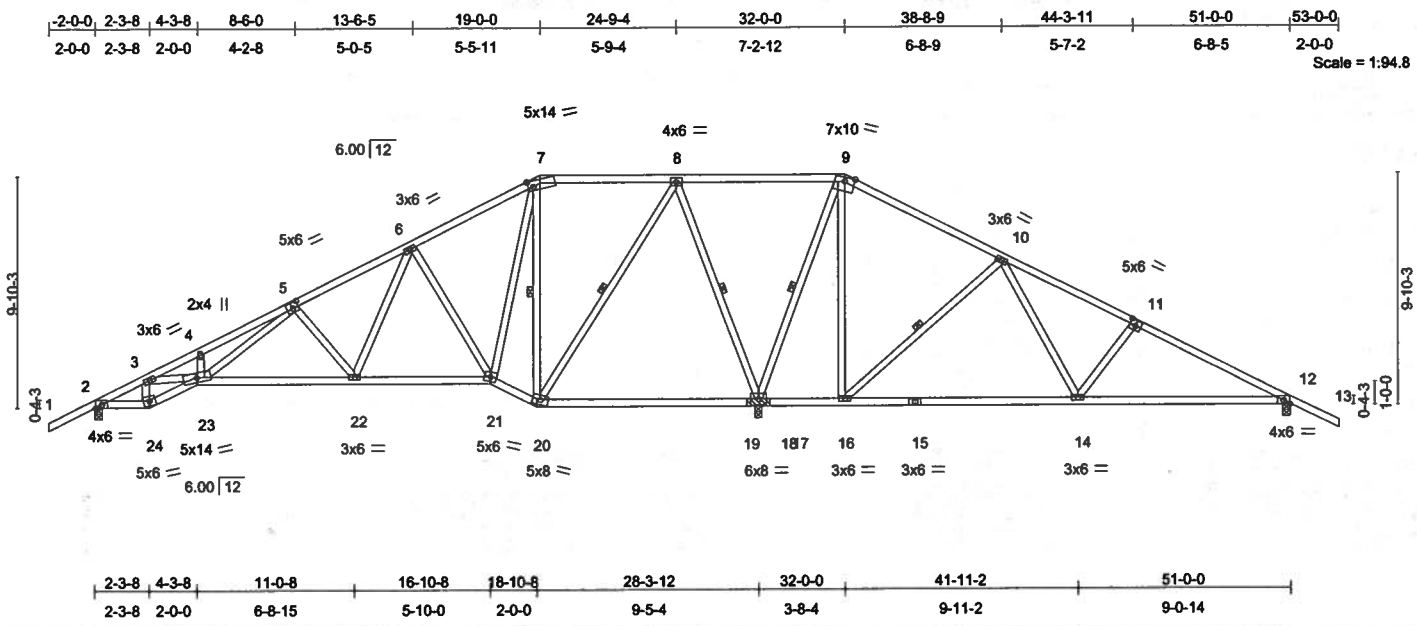

Plate Offsets (X,Y): [5:0-3-0,0-3-0], [7:0-2-8,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.20	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.34	14-16	>792	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.07	18	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 320 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-20, 8-20, 8-18, 9-18, 10-16

REACTIONS (lb/size) 2=864/0-3-8, 18=3108/0-3-11 (0-3-8 + bearing block), 12=519/0-3-8
Max Horz 2=-171(load case 6)
Max Uplift 2=-398(load case 5), 18=-846(load case 5), 12=-371(load case 6)
Max Grav 2=920(load case 9), 18=3108(load case 1), 12=677(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1375/461, 3-4=-2297/782, 4-5=-2297/876, 5-6=-975/462, 6-7=-292/274, 7-8=-57/259, 8-9=-241/1290, 9-10=-186/923, 10-11=-504/317, 11-12=-720/333, 12-13=0/47
BOT CHORD 2-24=-370/1165, 23-24=-377/1232, 22-23=-361/1127, 21-22=-133/559, 20-21=-128/343, 19-20=-741/559, 18-19=-741/559, 17-18=-738/570, 16-17=-738/570, 15-16=-483/248, 14-15=-483/248, 12-14=-205/577
WEBS 3-24=-506/203, 3-23=-337/935, 4-23=-138/176, 5-23=-412/1164, 5-22=-502/319, 6-22=-234/676, 6-21=-702/423, 7-21=-249/636, 7-20=-811/330, 8-20=-484/1312, 8-18=-1578/700, 9-18=-1531/645, 9-16=-257/662, 10-16=-713/450, 10-14=-189/648, 11-14=-319/290

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711002
L208402	T07	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.48, 3 = 0.45, 4 = 0.33, 5 = 0.36, 6 = 0.39, 7 = 0.82, 8 = 0.68, 9 = 0.95, 10 = 0.43, 11 = 0.46, 12 = 0.36, 14 = 0.52, 15 = 0.47, 16 = 0.42, 17 = 0.00, 17 = 0.00, 18 = 0.28, 18 = 0.00, 19 = 0.00, 19 = 0.00, 20 = 0.55, 21 = 0.26, 22 = 0.58, 23 = 0.39 and 24 = 0.31

NOTES

1) 2 X 4 SYP No.2 bearing block 12" long at jt. 18 attached to front face with 2 rows of 0.131"x3" Nails spaced 3" o.c. 8 Total fasteners. Bearing Fc perp is assumed to be 565 psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) Provide adequate drainage to prevent water ponding.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 2, 846 lb uplift at joint 18 and 371 lb uplift at joint 12.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711003
L208402	T08	HIP	1	1	Job Reference (optional)

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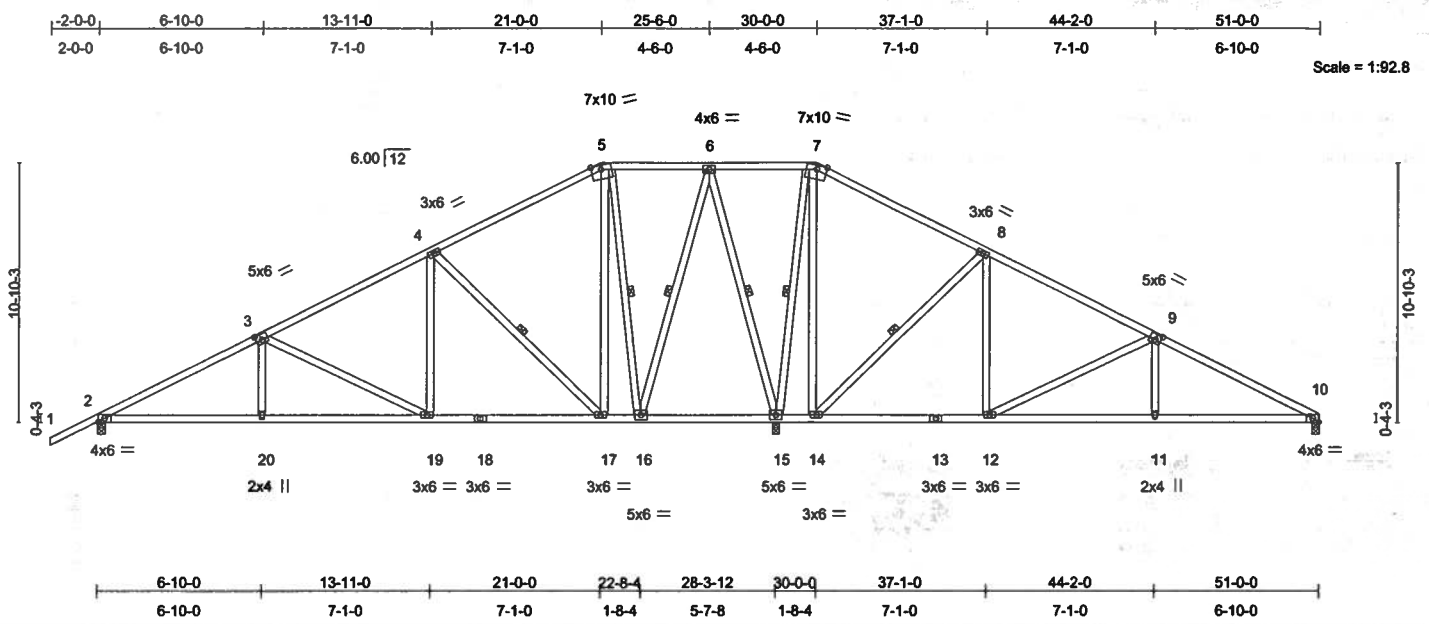

Plate Offsets (X,Y): [3:0-2-12,0-3-0], [9:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.13	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.21	17-19	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.04	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 337 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-11 oc purlins.	
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.	
WEBS	1 Row at midpt	4-17, 5-16, 6-16, 6-15 , 7-15, 8-14

REACTIONS (lb/size) 2=981/0-3-8, 15=2860/0-3-8, 10=534/0-3-8
Max Horz 2=210(load case 5)
Max Uplift 2=-438(load case 5), 15=-793(load case 5), 10=-233(load case 6)
Max Grav 2=1055(load case 9), 15=2860(load case 1), 10=626(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-1582/562, 3-4=-919/389, 4-5=-231/198, 5-6=0/191, 6-7=-107/857, 7-8=-130/823, 8-9=-251/260, 9-10=-950/350
BOT CHORD	2-20=-480/1340, 19-20=-479/1345, 18-19=-187/746, 17-18=-187/746, 16-17=-88/321, 15-16=-489/486, 14-15=-652/551, 13-14=-214/186, 12-13=-214/186 , 11-12=-227/788, 10-11=-228/783
WEBS	3-20=0/219, 3-19=-667/362, 4-19=-117/514, 4-17=-865/501, 5-17=-303/722, 5-16=-1071/488, 6-16=-490/1198, 6-15=-1397/600, 7-15=-1355/616, 7-14=-291/679 , 8-14=-874/513, 8-12=-137/533, 9-12=-715/422, 9-11=0/236

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX

2 = 0.55, 3 = 0.79, 4 = 0.39, 5 = 0.75, 6 = 0.80, 7 = 0.75, 8 = 0.39, 9 = 0.79, 10 = 0.55, 11 = 0.33, 12 = 0.34, 13 = 0.33, 14 = 0.46, 15 = 0.70, 16 = 0.61, 17 = 0.46, 18 = 0.33, 19 = 0.34 and 20 = 0.33

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711003
L208402	T08	HIP	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 2, 793 lb uplift at joint 15 and 233 lb uplift at joint 10.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711004
L208402	T09	SPECIAL	12	1	Job Reference (optional)

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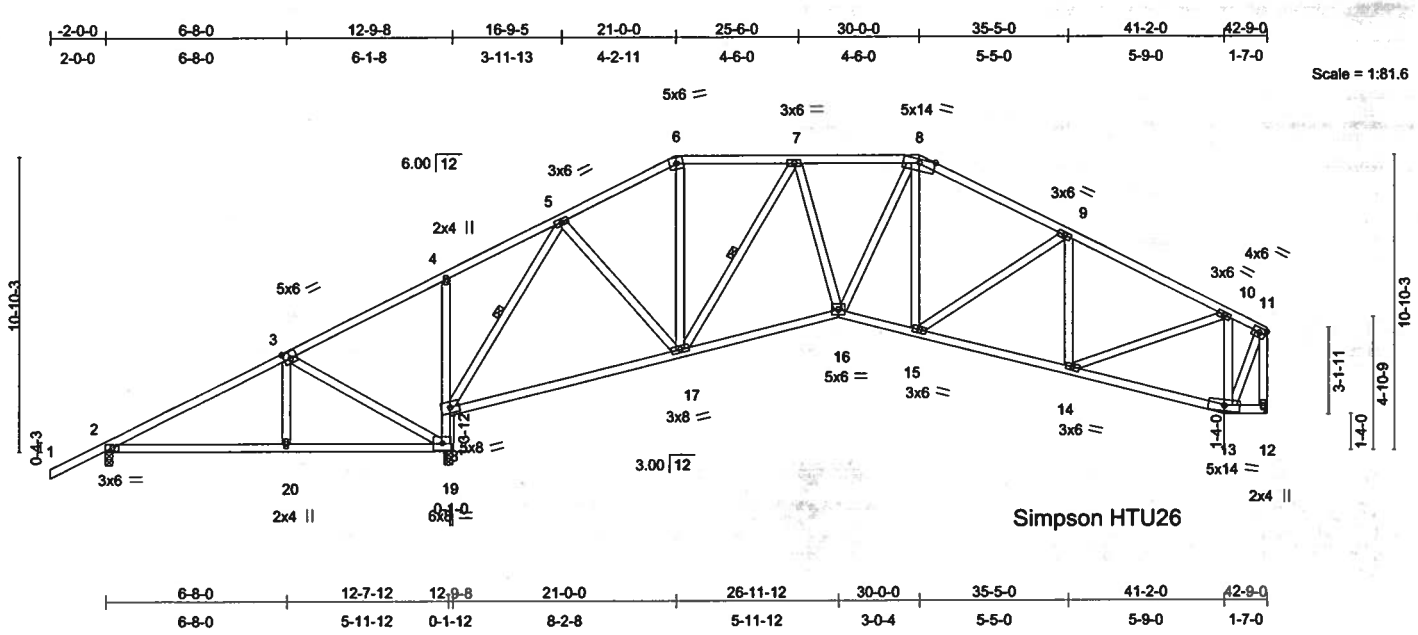

Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.17	17-18	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.08	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 270 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 4-19 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-7 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.
WEBS 1 Row at midpt 5-18, 7-17

REACTIONS (lb/size) 2=528/0-3-8, 12=1212/Mechanical, 19=1942/0-3-8
Max Horz 2=346(load case 5)
Max Uplift 2=-396(load case 5), 12=-395(load case 6), 19=-799(load case 5)
Max Grav 2=539(load case 9), 12=1212(load case 1), 19=1942(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-470/452, 3-4=-94/308, 4-5=-19/294, 5-6=-1124/619, 6-7=-968/603, 7-8=-1530/799, 8-9=-1596/781, 9-10=-1568/712, 10-11=-549/235, 11-12=-1209/506
BOT CHORD 2-20=-522/350, 19-20=-522/350, 18-19=-1570/660, 4-18=-278/269, 17-18=-227/579, 16-17=-465/1459, 15-16=-450/1418, 14-15=-542/1401, 13-14=-217/505, 12-13=-6/18
WEBS 3-20=-248/235, 3-19=-627/643, 5-18=-1494/541, 5-17=-97/653, 6-17=-88/259, 7-17=-857/318, 7-16=-123/514, 8-16=-151/408, 8-15=-80/126, 9-15=-71/143, 9-14=-349/227, 10-14=-334/926, 10-13=-989/546, 11-13=-502/1107

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.38, 3 = 0.68, 4 = 0.52, 5 = 0.50, 6 = 0.31, 7 = 0.39, 8 = 0.53, 9 = 0.39, 10 = 0.49, 11 = 0.64, 12 = 0.46, 13 = 0.69, 14 = 0.49, 15 = 0.37, 16 = 0.51, 17 = 0.66, 18 = 0.70, 19 = 0.27 and 20 = 0.33

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711004
L208402	T09	SPECIAL	12	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 396 lb uplift at joint 2, 395 lb uplift at joint 12 and 799 lb uplift at joint 19.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711005
L208402	T10	SPECIAL	1	2	Job Reference (optional)

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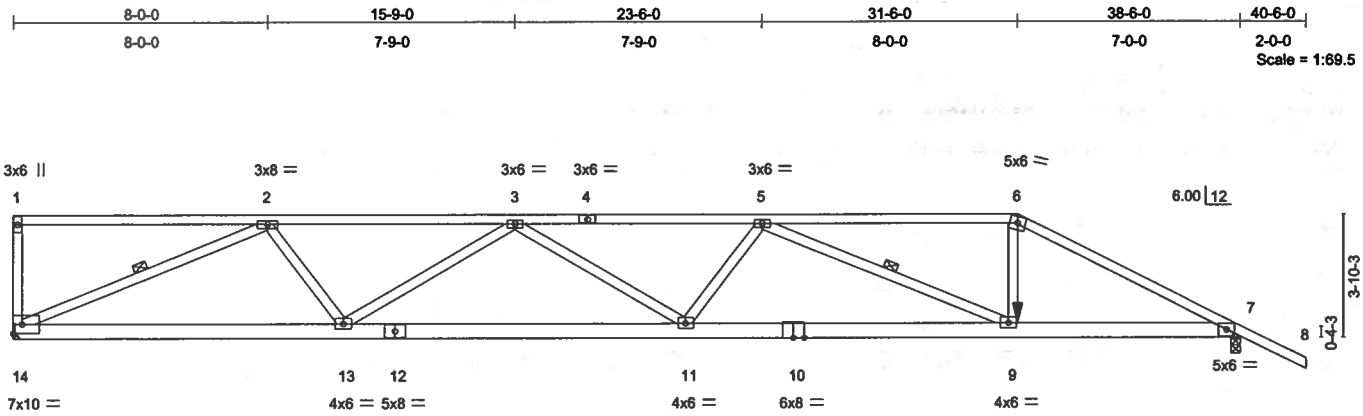

Simpson HGUS26-2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.47	11-13	>975	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.76	11-13	>606	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.14	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 432 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-15 oc bracing.
WEBS 1 Row at midpt 2-14, 5-9

REACTIONS (lb/size) 14=3527/Mechanical, 7=3432/0-3-8
Max Horz 14=-228(load case 5)
Max Uplift 14=-1591(load case 2), 7=-1425(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-455/357, 1-2=-279/137, 2-3=-7723/3335, 3-4=-9817/4289, 4-5=-9817/4289, 5-6=-6249/2750, 6-7=-6948/2976, 7-8=0/51
BOT CHORD 13-14=-2888/6475, 12-13=-4247/9461, 11-12=-4247/9461, 10-11=-4224/9486, 9-10=-4224/9486, 7-9=-2592/6147
WEBS 2-14=-6774/3127, 2-13=-596/2198, 3-13=-2072/1232, 3-11=0/423, 5-11=0/582, 5-9=-3540/1794, 6-9=-872/2420

JOINT STRESS INDEX
1 = 0.74, 2 = 0.82, 3 = 0.34, 4 = 0.81, 5 = 0.50, 6 = 0.79, 7 = 0.80, 9 = 0.54, 10 = 0.94, 11 = 0.27, 12 = 0.90, 13 = 0.52 and 14 = 0.55

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711005
L208402	T10	SPECIAL	1	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1591 lb uplift at joint 14 and 1425 lb uplift at joint 7.
7) Girder carries hip end with 7-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-118(F=-64), 6-8=-54, 9-14=-65(F=-35), 7-9=-30
   Concentrated Loads (lb)
   Vert: 9=-539(F)

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711006
L208402	T11	SPECIAL	1	1	Job Reference (optional)

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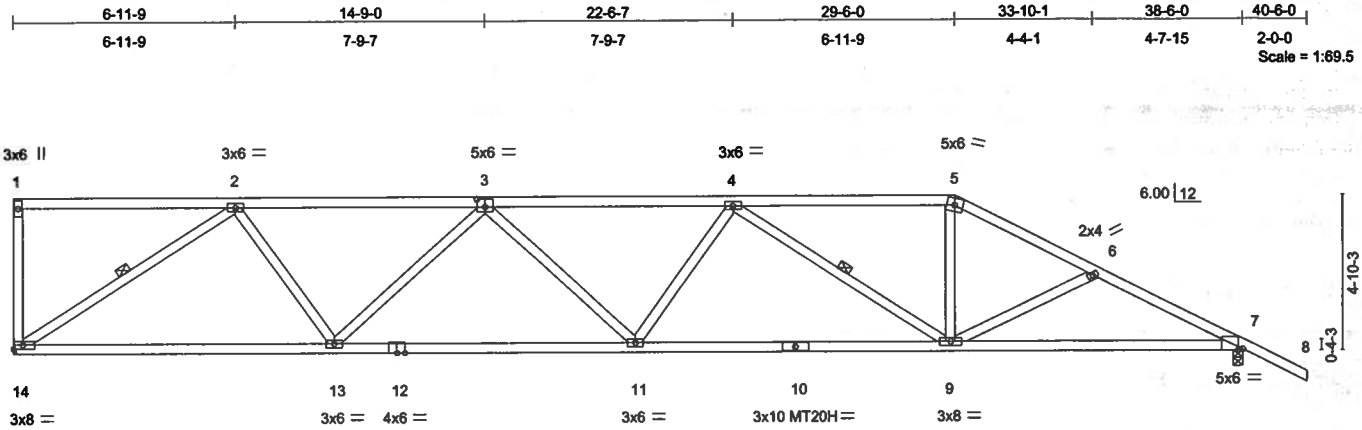

Simpson HTU26

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [7:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.41	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.67	9-11	>687	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 198 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.
WEBS 1 Row at midpt 2-14, 4-9

REACTIONS (lb/size) 14=1601/Mechanical, 7=1724/0-3-8
Max Horz 14=-272(load case 6)
Max Uplift 14=-594(load case 3), 7=-560(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-173/116, 1-2=-79/14, 2-3=-2594/1002, 3-4=-3368/1335, 4-5=-2489/1039, 5-6=-2796/1088, 6-7=-3002/1182, 7-8=0/47
BOT CHORD 13-14=-648/2000, 12-13=-1058/3203, 11-12=-1058/3203, 10-11=-1067/3282, 9-10=-1067/3282, 7-9=-887/2622
WEBS 2-14=-2311/986, 2-13=-301/1064, 3-13=-846/453, 3-11=-13/228, 4-11=0/154, 4-9=-954/482, 5-9=-241/908, 6-9=-181/189

JOINT STRESS INDEX
1 = 0.46, 2 = 0.76, 3 = 0.69, 4 = 0.40, 5 = 0.61, 6 = 0.33, 7 = 0.73, 9 = 0.56, 10 = 0.89, 11 = 0.40, 12 = 0.88, 13 = 0.76 and 14 = 0.62

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711006
L208402	T11	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 594 lb uplift at joint 14 and 560 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711007
L208402	T12	SPECIAL	1	1	Job Reference (optional)

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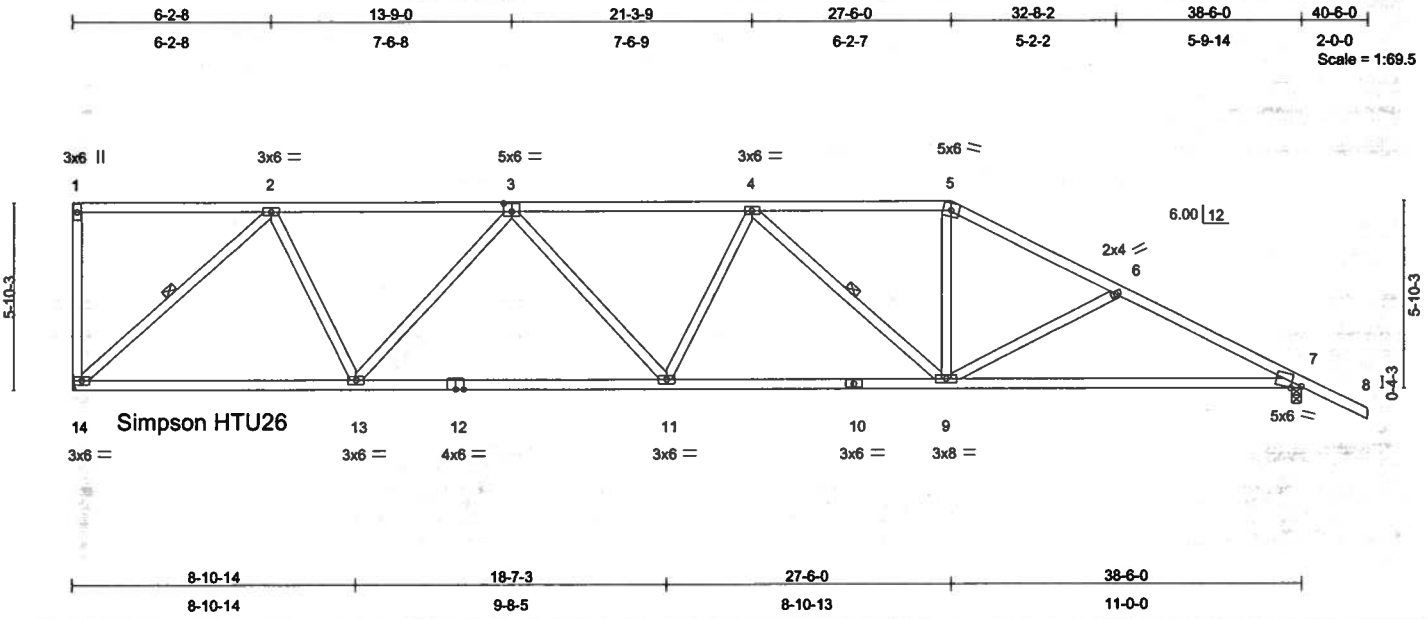

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [7:0-3-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.41	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.69	7-9	>665	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.15	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 207 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-14, 4-9

REACTIONS (lb/size) 14=1601/Mechanical, 7=1724/0-3-8
Max Horz 14=-318(load case 6)
Max Uplift 14=-589(load case 3), 7=-575(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-146/99, 1-2=-42/8, 2-3=-1966/771, 3-4=-2756/1123, 4-5=-2319/996, 5-6=-2635/1039, 6-7=-2943/1181, 7-8=0/47
BOT CHORD 13-14=-429/1501, 12-13=-773/2544, 11-12=-773/2544, 10-11=-815/2747, 9-10=-815/2747, 7-9=-878/2578
WEBS 2-14=-1978/843, 2-13=-323/1065, 3-13=-881/469, 3-11=-68/322, 4-11=0/112, 4-9=-581/346, 5-9=-226/853, 6-9=-318/281

JOINT STRESS INDEX
1 = 0.31, 2 = 0.87, 3 = 0.65, 4 = 0.45, 5 = 0.52, 6 = 0.33, 7 = 0.87, 9 = 0.56, 10 = 0.89, 11 = 0.45, 12 = 0.86, 13 = 0.87 and 14 = 0.70

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711007
L208402	T12	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 589 lb uplift at joint 14 and 575 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711008
L208402	T13	HIP	1	1	Job Reference (optional)

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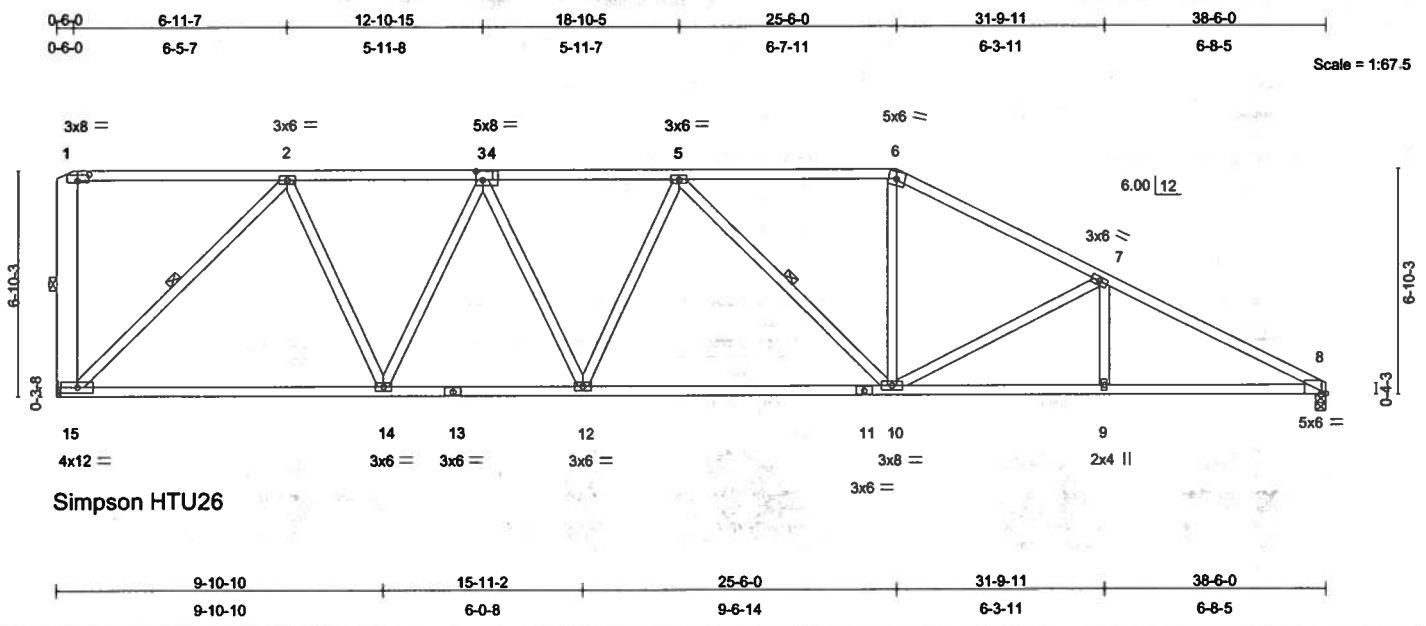

Plate Offsets (X,Y): [1:0-4-4,0-2-4], [4:0-2-8,0-3-0], [8:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.34	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.57	10-12	>802	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.13	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 228 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
1-15 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-2 oc bracing.
WEBS 1 Row at midpt 5-10, 1-15, 2-15

REACTIONS (lb/size) 8=1598/0-3-8, 15=1598/Mechanical
Max Horz 15=-302(load case 6)
Max Uplift 8=-460(load case 6), 15=-581(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/15, 2-3=-1757/723, 3-4=-2258/951, 4-5=-2258/951, 5-6=-2143/972, 6-7=-2456/1007, 7-8=-3047/1197, 1-15=-186/130
BOT CHORD 14-15=-374/1347, 13-14=-579/2079, 12-13=-579/2079, 11-12=-698/2327, 10-11=-698/2327, 9-10=-971/2644, 8-9=-971/2644
WEBS 2-14=-342/1004, 3-14=-769/396, 3-12=-149/426, 5-12=-170/197, 5-10=-261/239, 6-10=-182/713, 7-10=-583/381, 7-9=0/201, 2-15=-1788/798

JOINT STRESS INDEX
1 = 0.96, 2 = 0.84, 3 = 0.00, 4 = 0.76, 5 = 0.46, 6 = 0.63, 7 = 0.39, 8 = 0.72, 9 = 0.33, 10 = 0.56, 11 = 0.90, 12 = 0.46, 13 = 0.71, 14 = 0.84 and 15 = 0.37

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711008
L208402	T13	HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 460 lb uplift at joint 8 and 581 lb uplift at joint 15.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711009
L208402	T14	SPECIAL	1	1	Job Reference (optional)

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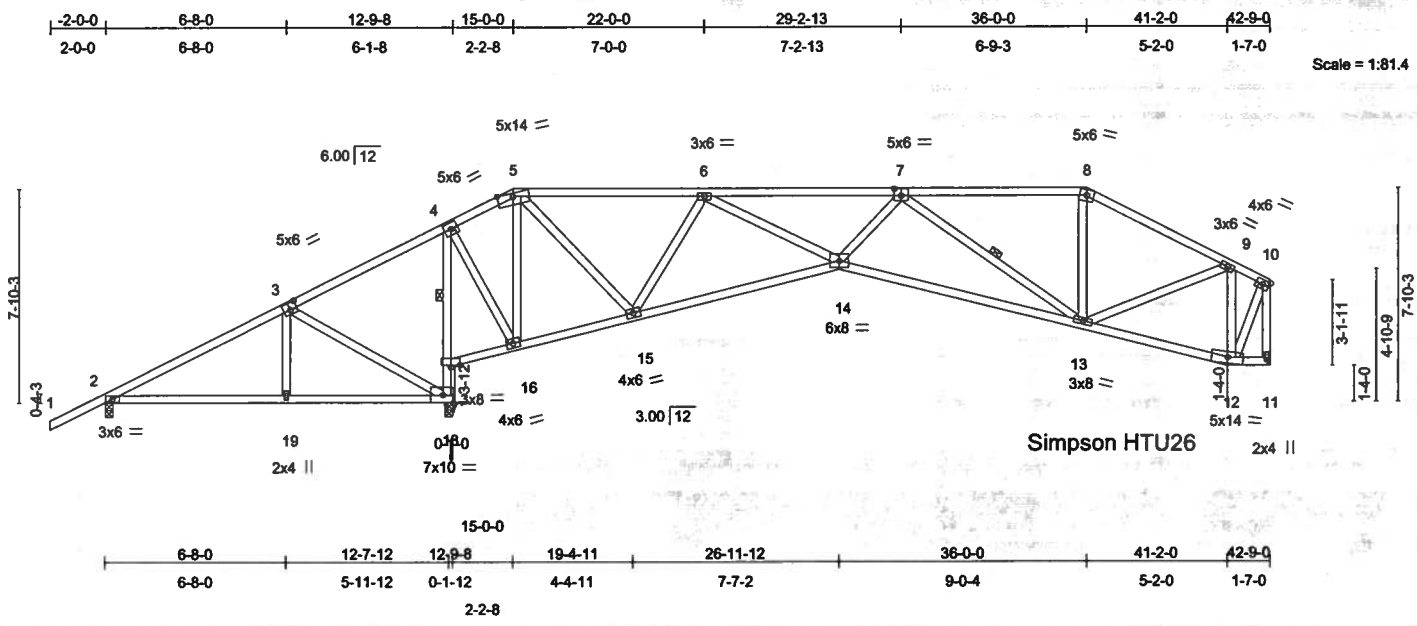

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [7:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.29	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.48	13-14	>750	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.14	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 244 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-17
WEBS 1 Row at midpt 7-13

REACTIONS (lb/size) 2=371/0-3-8, 11=1148/Mechanical, 18=2164/0-3-8
Max Horz 2=304(load case 5)
Max Uplift 2=-367(load case 5), 11=-332(load case 3), 18=-819(load case 4)
Max Grav 2=382(load case 9), 11=1152(load case 10), 18=2164(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-137/267, 3-4=-240/671, 4-5=-12/97, 5-6=-902/435, 6-7=-2924/1158, 7-8=-1269/612, 8-9=-1463/613, 9-10=-514/214, 10-11=-1110/457
BOT CHORD 2-19=-357/52, 18-19=-351/46, 17-18=-1798/754, 4-17=-1457/631, 16-17=-670/278, 15-16=-43/62, 14-15=-584/1630, 13-14=-951/2589, 12-13=-189/457, 11-12=-7/23
WEBS 3-19=-260/268, 3-18=-655/655, 4-16=-408/1181, 5-16=-1245/493, 5-15=-468/1325, 6-15=-1312/597, 6-14=-483/1555, 7-14=-126/687, 7-13=-1510/618, 8-13=-30/314, 9-13=-283/909, 9-12=-926/467, 10-12=-433/973

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.34, 3 = 0.69, 4 = 0.59, 5 = 0.72, 6 = 0.87, 7 = 0.54, 8 = 0.55, 9 = 0.50, 10 = 0.57, 11 = 0.49, 12 = 0.60, 13 = 0.81, 14 = 0.77, 15 = 0.64, 16 = 0.69, 17 = 0.96, 18 = 0.25 and 19 = 0.33

August 24,2006

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711009
L208402	T14	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 2, 332 lb uplift at joint 11 and 819 lb uplift at joint 18.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711010
L208402	T15	SPECIAL	1	1	Job Reference (optional)

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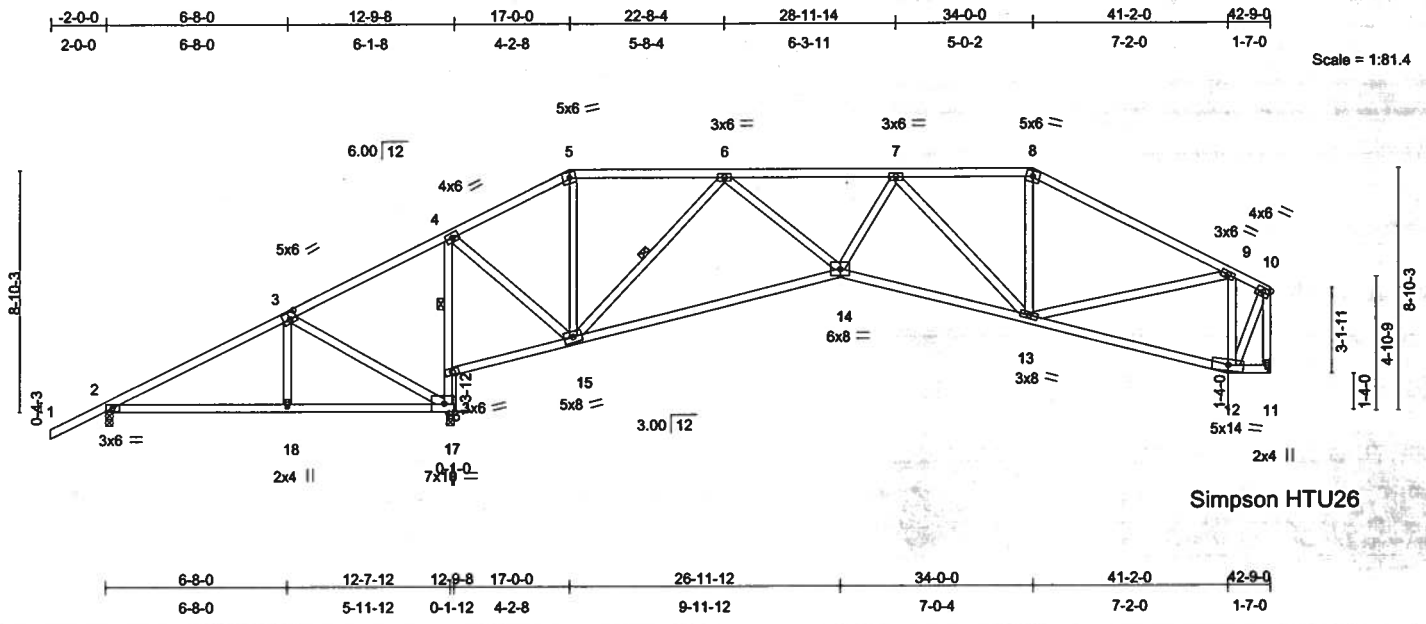

Simpson HTU26

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.31	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.51	14-15	>703	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.10	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 245 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 4-17 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 6-15

REACTIONS (lb/size) 2=502/0-3-8, 11=1202/Mechanical, 17=1978/0-3-8
Max Horz 2=318(load case 5)
Max Uplift 2=-387(load case 5), 11=-353(load case 6), 17=-776(load case 5)
Max Grav 2=513(load case 9), 11=1202(load case 1), 17=1978(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-416/375, 3-4=-149/373, 4-5=-717/357, 5-6=-596/366, 6-7=-2346/985, 7-8=-1409/708, 8-9=-1655/702, 9-10=-558/214, 10-11=-1249/473
BOT CHORD 2-18=-454/301, 17-18=-451/299, 16-17=-1611/693, 4-16=-1475/647, 15-16=-338/145, 14-15=-566/1618, 13-14=-751/2178, 12-13=-235/551, 11-12=-5/1
WEBS 3-18=-254/251, 3-17=-637/647, 4-15=-366/1193, 5-15=0/97, 6-15=-1407/591, 6-14=-293/1069, 7-14=-99/547, 7-13=-1064/413, 8-13=-75/412, 9-13=-271/914, 9-12=-1023/612, 10-12=-558/1223

Truss Design Engineer: Lawrence A. Paine, PE
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JOINT STRESS INDEX
2 = 0.36, 3 = 0.67, 4 = 0.57, 5 = 0.31, 6 = 0.62, 7 = 0.43, 8 = 0.62, 9 = 0.46, 10 = 0.71, 11 = 0.44, 12 = 0.76, 13 = 0.79, 14 = 0.80, 15 = 0.52, 16 = 0.55, 17 = 0.22 and 18 = 0.33

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711010
L208402	T15	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 387 lb uplift at joint 2, 353 lb uplift at joint 11 and 776 lb uplift at joint 17.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711011
L208402	T16	SPECIAL	1	1	Job Reference (optional)

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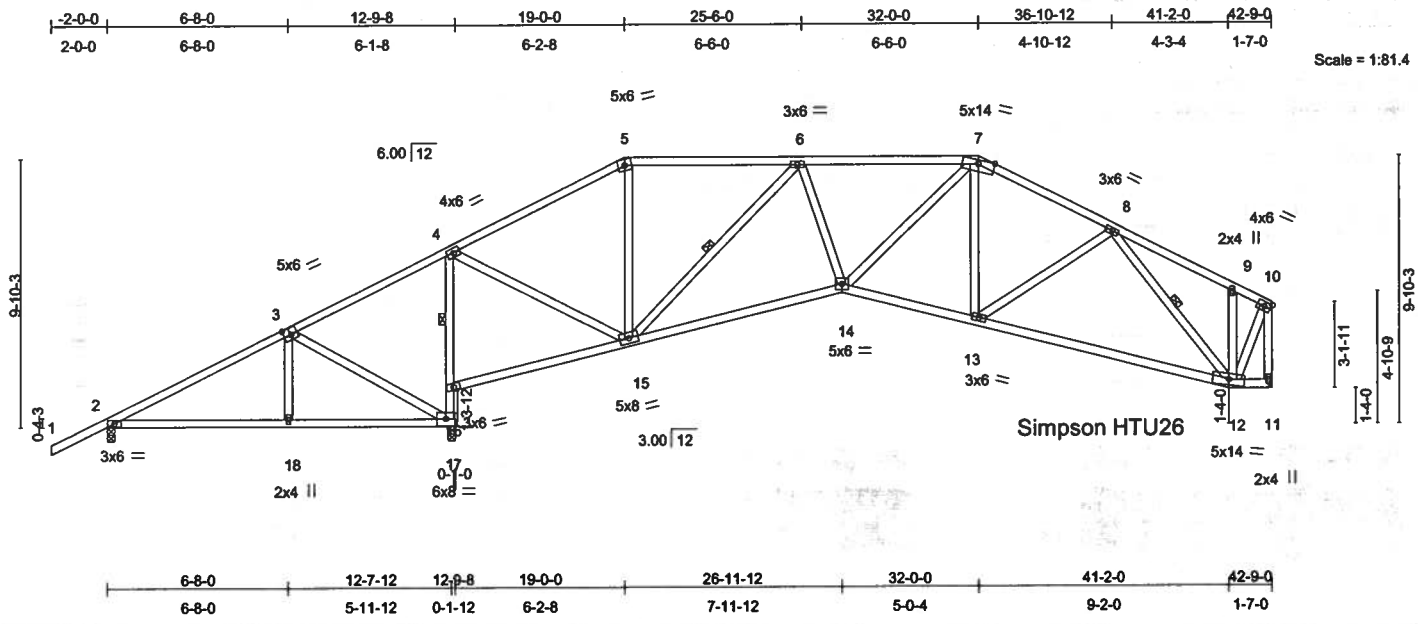

Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.21	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.35	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.09	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 4-17 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-16
WEBS 1 Row at midpt 6-15, 8-12

REACTIONS (lb/size) 2=534/0-3-8, 11=1215/Mechanical, 17=1934/0-3-8
Max Horz 2=332(load case 5)
Max Uplift 2=-397(load case 5), 11=-377(load case 6), 17=-781(load case 5)
Max Grav 2=544(load case 9), 11=1215(load case 1), 17=1934(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-481/430, 3-4=-105/296, 4-5=-1035/514, 5-6=-859/529, 6-7=-1881/884, 7-8=-1658/765, 8-9=-615/307, 9-10=-555/202, 10-11=-1353/463
BOT CHORD 2-18=-502/359, 17-18=-500/357, 16-17=-1567/669, 4-16=-1412/662, 15-16=-247/68, 14-15=-606/1784, 13-14=-488/1493, 12-13=-505/1246, 11-12=-10/9
WEBS 3-18=-250/240, 3-17=-621/635, 4-15=-358/1207, 5-15=-10/165, 6-15=-1251/468, 6-14=-102/568, 7-14=-237/647, 7-13=-71/127, 8-13=-109/380, 8-12=-1109/497, 9-12=-196/196, 10-12=-418/1215

Truss Design Engineer: Lawrence A. Paine, PE
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JOINT STRESS INDEX
2 = 0.36, 3 = 0.66, 4 = 0.48, 5 = 0.55, 6 = 0.40, 7 = 0.76, 8 = 0.39, 9 = 0.33, 10 = 0.71, 11 = 0.48, 12 = 0.75, 13 = 0.37, 14 = 0.83, 15 = 0.51, 16 = 0.62, 17 = 0.27 and 18 = 0.33

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
					J1711011
L208402	T16	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 397 lb uplift at joint 2, 377 lb uplift at joint 11 and 781 lb uplift at joint 17.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711012
L208402	T18	HIP	1	1	Job Reference (optional)

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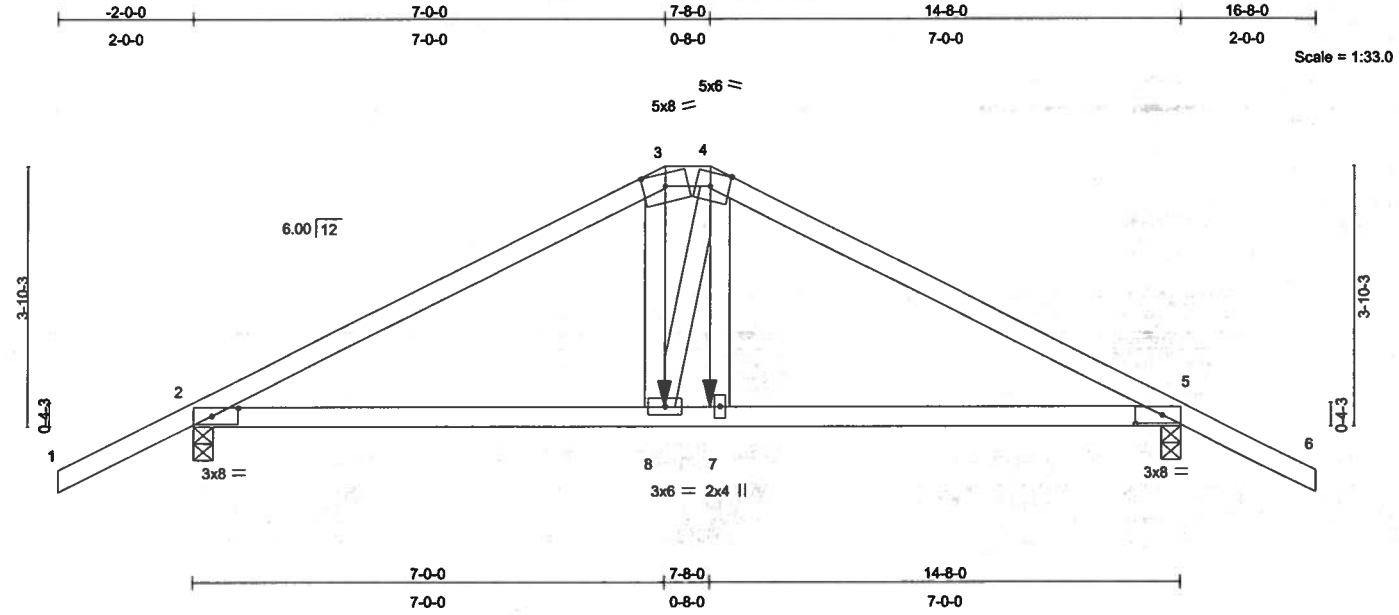

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [3:0-4-0,0-2-3], [4:0-3-7,Edge], [5:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.10	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.16	5-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.04	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 68 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-0-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-7-7 oc bracing.

REACTIONS (lb/size) 2=1297/0-3-8, 5=1297/0-3-8
Max Horz 2=87(load case 4)
Max Uplift 2=-616(load case 4), 5=-616(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2095/860, 3-4=-1765/819, 4-5=-2086/856, 5-6=0/47
BOT CHORD	2-8=-686/1792, 7-8=-657/1754, 5-7=-668/1782
WEBS	3-8=-385/922, 4-8=-244/338, 4-7=-273/682

JOINT STRESS INDEX
2 = 0.76, 3 = 0.86, 4 = 0.72, 5 = 0.76, 7 = 0.48 and 8 = 0.58

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 616 lb uplift at joint 2 and 616 lb uplift at joint 5.
6) Girder carries hip end with 7-0-0 end setback.

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711012
L208402	T18	HIP	1	1	Job Reference (optional)

NOTES

7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
   Concentrated Loads (lb)
   Vert: 8=-539(F) 7=-539(F)

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711013
L208402	T19	COMMON	5	1	Job Reference (optional)

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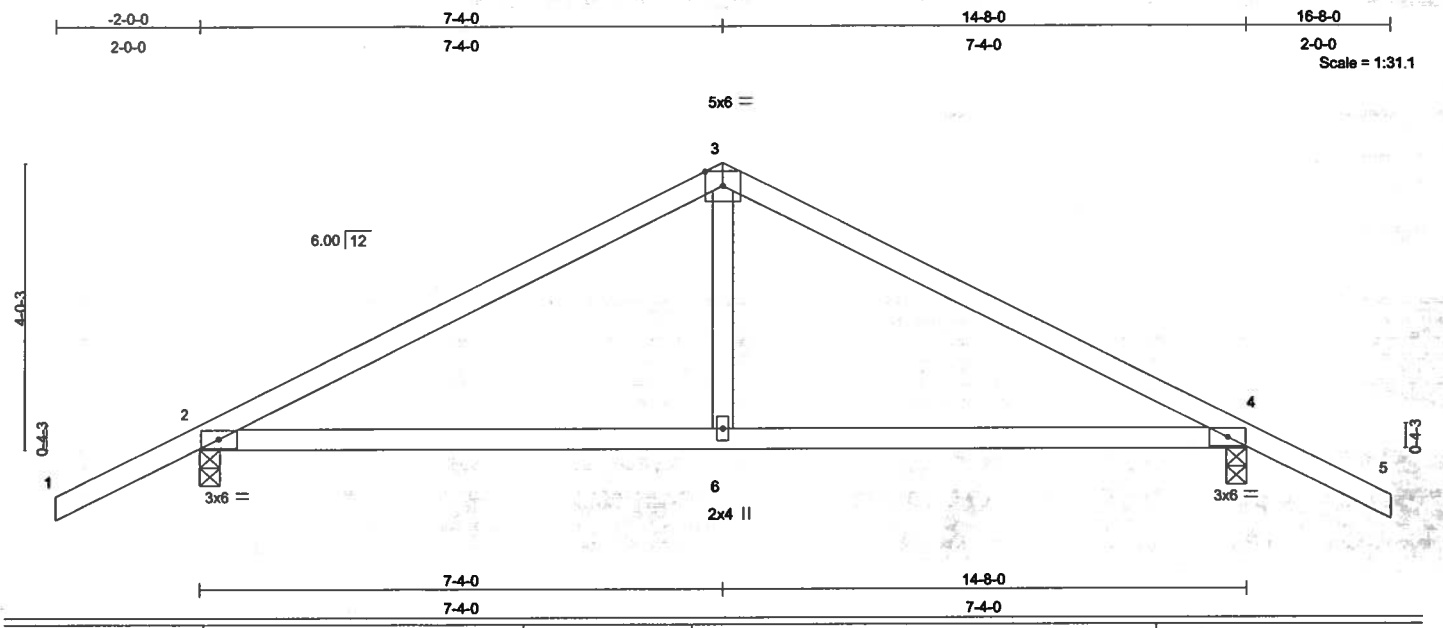

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.09	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.14	4-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 lb	

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

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

REACTIONS (lb/size) 2=720/0-3-8, 4=720/0-3-8
Max Horz 2=90(load case 5)
Max Uplift 2=-324(load case 5), 4=-324(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-840/330, 3-4=-840/330, 4-5=0/47
BOT CHORD 2-6=-119/677, 4-6=-119/677
WEBS 3-6=0/265

JOINT STRESS INDEX
2 = 0.53, 3 = 0.70, 4 = 0.53 and 6 = 0.19

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 324 lb uplift at joint 2 and 324 lb uplift at joint 4.

Truss Design Engineer: Lawrence A. Paine, PE
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LOAD CASE(S) Standard

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711014
L208402	T20	COMMON	7	1	Job Reference (optional)

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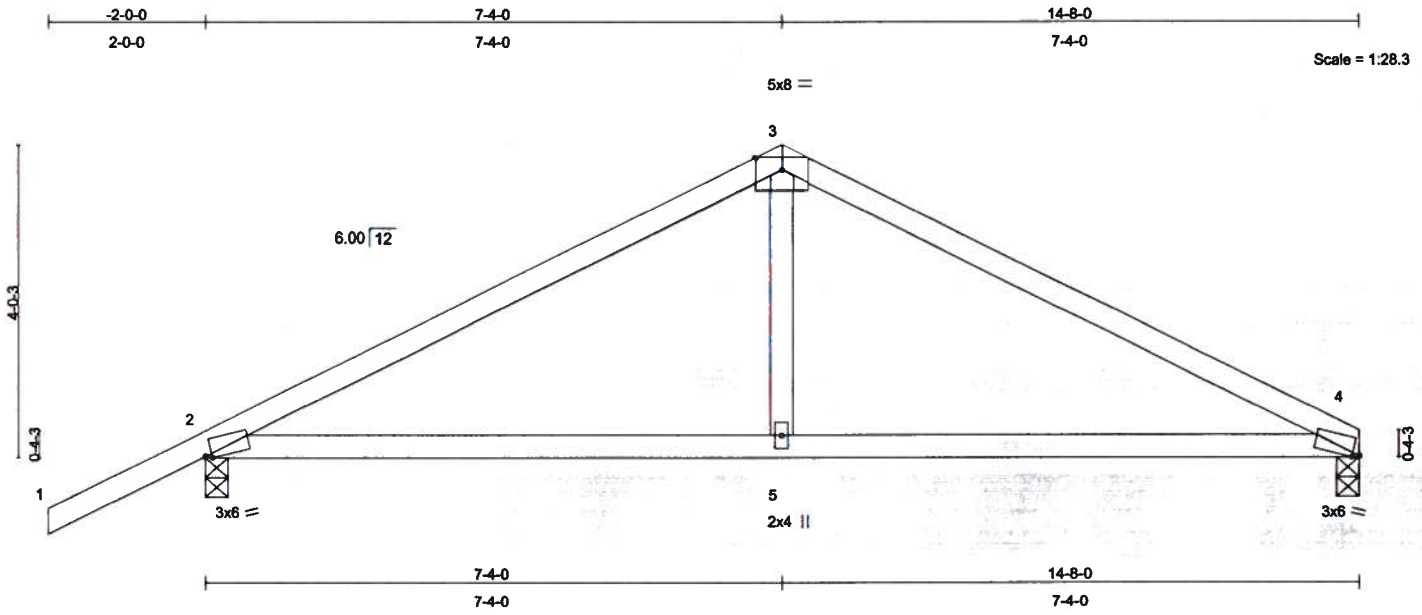

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [4:0-1-1,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.12	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.18	4-5	>963	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

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

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

REACTIONS (lb/size) 4=595/0-3-8, 2=728/0-3-8
Max Horz 2=114(load case 5)
Max Uplift 4=-193(load case 6), 2=-328(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-868/375, 3-4=-864/368
BOT CHORD 2-5=-224/702, 4-5=-224/702
WEBS 3-5=0/278

JOINT STRESS INDEX
2 = 0.84, 3 = 0.86, 4 = 0.84 and 5 = 0.20

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 4 and 328 lb uplift at joint 2.

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711014
L208402	T20	COMMON	7	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
L208402	T21	COMMON	1	2	J1711015
					Job Reference (optional)

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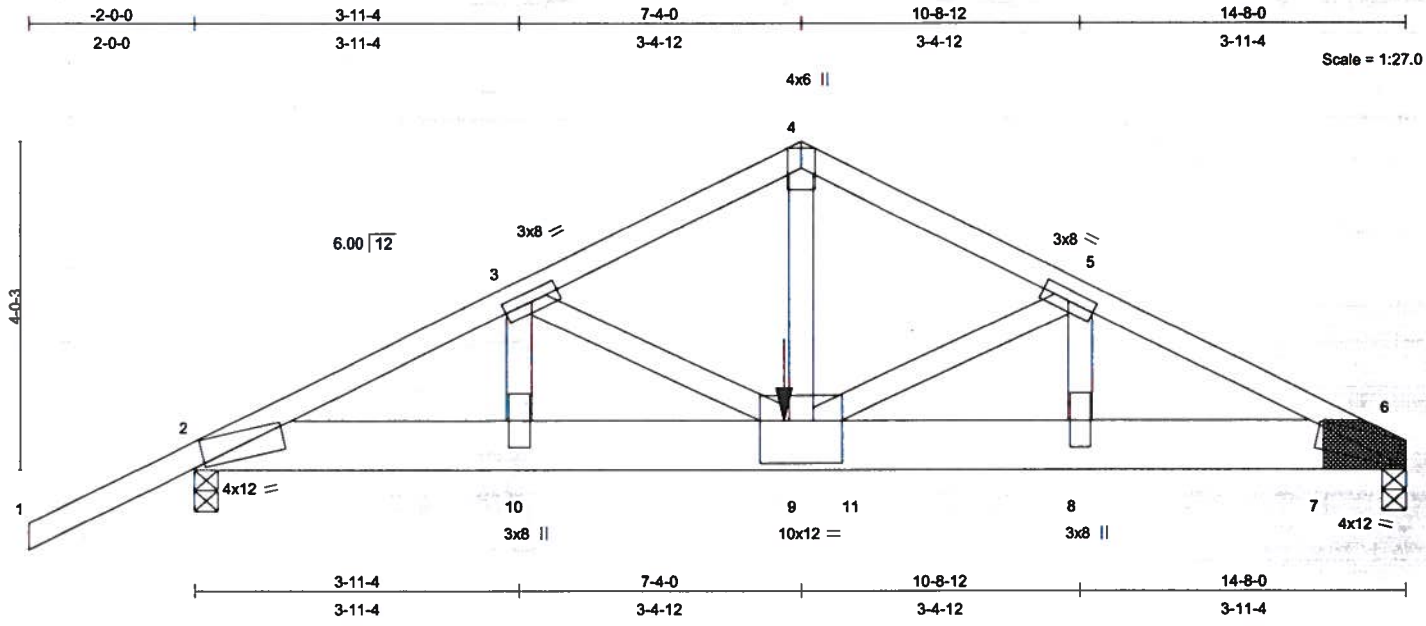

Plate Offsets (X,Y): [9:0-6-0,0-6-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.19	8-9	>909	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
4-9 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=6223/0-3-11 (0-3-8 + bearing block), 2=3625/0-3-8
Max Horz 2=122(load case 4)
Max Uplift 6=-2318(load case 5), 2=-1423(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-7096/2572, 3-4=-7348/2756, 4-5=-7345/2744, 5-6=-10289/3819
BOT CHORD 2-10=-2284/6325, 9-10=-2284/6325, 9-11=-3383/9211, 8-11=-3383/9211, 7-8=-3383/9211, 6-7=-3383/9211
WEBS 3-10=-441/260, 3-9=-181/389, 4-9=-2322/6278, 5-9=-3038/1199, 5-8=-942/2539

JOINT STRESS INDEX
2 = 0.76, 3 = 0.75, 4 = 0.72, 5 = 0.75, 6 = 0.76, 6 = 0.00, 6 = 0.00, 7 = 0.00, 7 = 0.00, 7 = 0.00, 8 = 0.41, 9 = 0.77 and 10 = 0.41

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 9-4 2 X 4 - 1 row at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

Truss Design Engineer: Lawrence A. Paine, PE
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6550 Roosevelt Blvd. Jacksonville, FL 32244

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
					J1711015
L208402	T21	COMMON	1	2	Job Reference (optional)

NOTES

3) 2 X 8 SYP No.2 bearing block 12" long at jt. 6 attached to each face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners per block. Bearing Fc perp is assumed to be 565 psi.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2318 lb uplift at joint 6 and 1423 lb uplift at joint 2.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-6=-54, 2-11=-30, 6-11=-797(F=-767)
   Concentrated Loads (lb)
   Vert: 9=-3527(F)

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711016
L208402	T22	HIP	1	1	Job Reference (optional)

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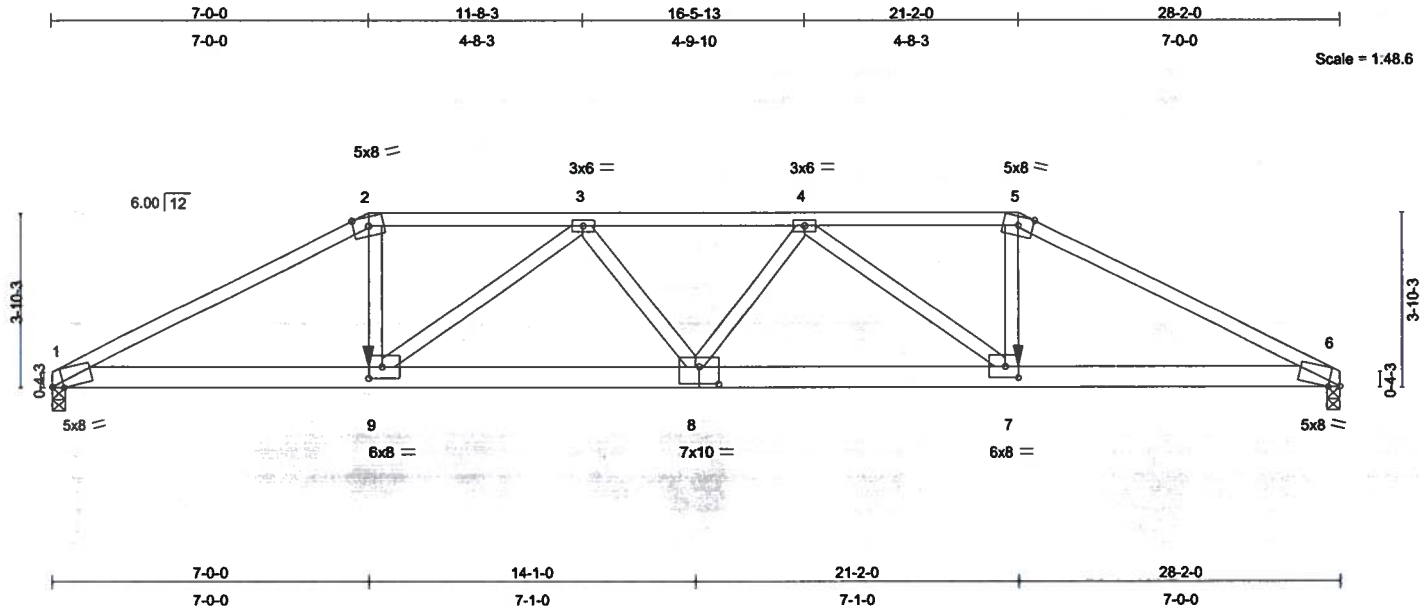

Plate Offsets (X,Y): [1:0-2-15,0-0-14], [6:0-2-15,0-0-14], [7:0-3-8,0-3-0], [8:0-5-0,0-4-8], [9:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.31	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.50	7-8	>669	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.81	Horz(TL)	0.12	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 147 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-2 oc bracing.

REACTIONS (lb/size) 1=2405/0-3-8, 6=2405/0-3-8
Max Horz 1=-50(load case 2)
Max Uplift 1=-967(load case 4), 6=-967(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4874/2013, 2-3=-4350/1863, 3-4=-5539/2342, 4-5=-4350/1863, 5-6=-4874/2013
BOT CHORD 1-9=-1790/4279, 8-9=-2334/5375, 7-8=-2316/5375, 6-7=-1739/4279
WEBS 2-9=-642/1719, 3-9=-1401/729, 3-8=0/329, 4-8=0/329, 4-7=-1401/729, 5-7=-642/1719

JOINT STRESS INDEX
1 = 0.91, 2 = 0.90, 3 = 0.40, 4 = 0.40, 5 = 0.90, 6 = 0.91, 7 = 0.46, 8 = 0.91 and 9 = 0.46

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711016
L208402	T22	HIP	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 967 lb uplift at joint 1 and 967 lb uplift at joint 6.
6) Girder carries hip end with 7-0-0 end setback.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-5=-118(F=-64), 5-6=-54, 1-9=-30, 7-9=-65(F=-35), 6-7=-30
   Concentrated Loads (lb)
   Vert: 9=-539(F) 7=-539(F)

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711017
L208402	T23	HIP	1	1	Job Reference (optional)

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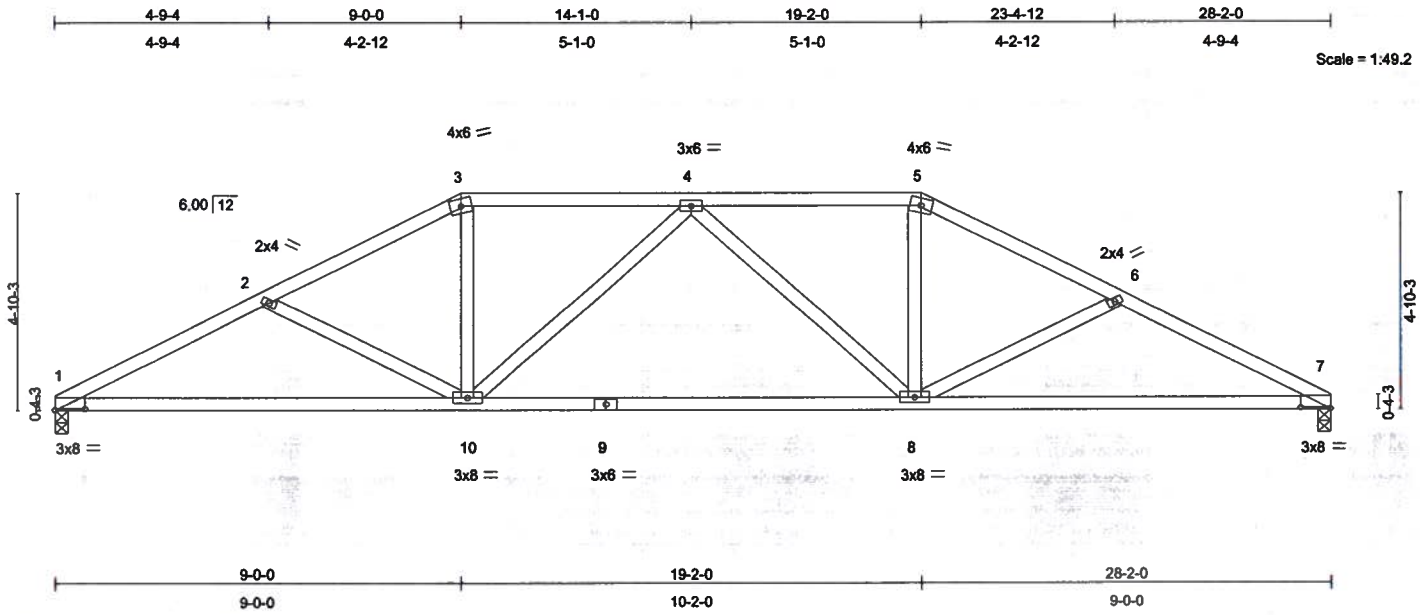

Plate Offsets (X,Y): [1:0-8-0,0-0-6], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.36	8-10	>918	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-3 oc bracing.

REACTIONS (lb/size) 1=1171/0-3-8, 7=1171/0-3-8
Max Horz 1=-66(load case 3)
Max Uplift 1=-346(load case 5), 7=-346(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2121/930, 2-3=-1867/798, 3-4=-1639/767, 4-5=-1639/767, 5-6=-1867/798, 6-7=-2121/930
BOT CHORD 1-10=-759/1855, 9-10=-638/1788, 8-9=-638/1788, 7-8=-759/1855
WEBS 2-10=-267/257, 3-10=-159/560, 4-10=-299/191, 4-8=-299/190, 5-8=-159/560, 6-8=-267/257

JOINT STRESS INDEX
1 = 0.64, 2 = 0.33, 3 = 0.49, 4 = 0.35, 5 = 0.49, 6 = 0.33, 7 = 0.64, 8 = 0.56, 9 = 0.72 and 10 = 0.56

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.

Truss Design Engineer: Lawrence A. Paine, PE
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711017
L208402	T23	HIP	1	1	Job Reference (optional)

NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 346 lb uplift at joint 1 and 346 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR
L208402	T24	HIP	1	2	J1711018
					Job Reference (optional)

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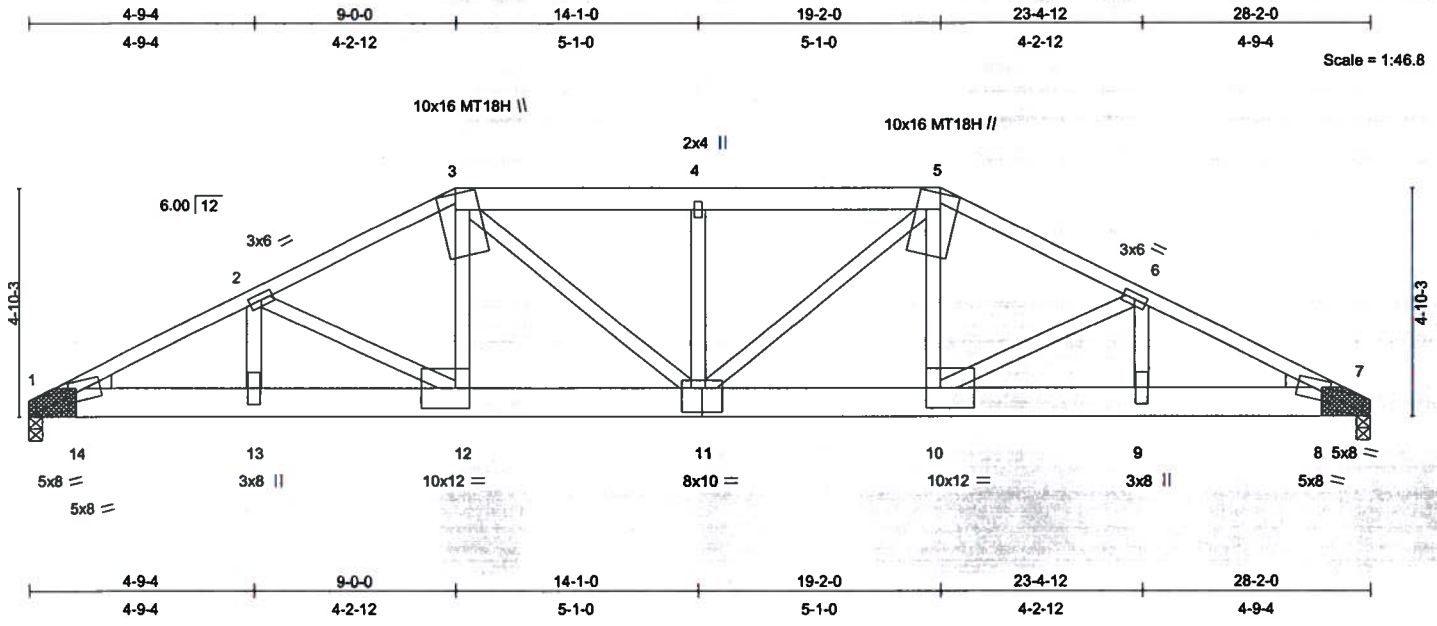

Plate Offsets (X,Y): [1:0-2-7,Edge], [1:0-11-4,0-0-14], [3:0-4-12,0-2-8], [5:0-4-12,0-2-8], [7:0-2-7,Edge], [7:0-11-4,0-0-14], [10:0-3-8,0-5-0], [11:0-5-0,0-6-0], [12:0-3-8,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.34	11-12	>988	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.54	11-12	>617	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.13	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 417 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except* 3-5 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=9439/0-5-9 (0-3-8 + bearing block), 7=9439/0-5-9 (0-3-8 + bearing block)
Max Horz 1=-63(load case 2)
Max Uplift 1=-3468(load case 4), 7=-3468(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-17569/6427, 2-3=-14881/5454, 3-4=-15371/5632, 4-5=-15365/5629, 5-6=-14863/5448, 6-7=-17576/6431
BOT CHORD 1-14=-5772/15732, 13-14=-5772/15732, 12-13=-5772/15732, 11-12=-4880/13497, 10-11=-4810/13479, 9-10=-5714/15738, 8-9=-5714/15738, 7-8=-5714/15738
WEBS 2-13=-783/2225, 2-12=-2703/1093, 3-12=-1721/4702, 3-11=-979/2552, 4-11=-333/227, 5-11=-994/2600, 5-10=-1697/4631, 6-10=-2727/1102, 6-9=-791/2247

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JOINT STRESS INDEX
1 = 0.88, 1 = 0.00, 1 = 0.00, 1 = 0.88, 2 = 0.83, 3 = 0.86, 4 = 0.34, 5 = 0.86, 6 = 0.83, 7 = 0.88, 7 = 0.00, 7 = 0.00, 7 = 0.88, 8 = 0.00, 8 = 0.00, 8 = 0.00, 9 = 0.37, 10 = 0.47, 11 = 0.94, 12 = 0.47, 13 = 0.36, 14 = 0.00, 14 = 0.00 and 14 = 0.00

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711018
L208402	T24	HIP	1	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2 X 8 SYP No.2 bearing block 12" long at jt. 1 attached to each face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners per block. Bearing Fc perp is assumed to be 565 psi.
4) 2 X 8 SYP No.2 bearing block 12" long at jt. 7 attached to each face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners per block. Bearing Fc perp is assumed to be 565 psi.
5) Unbalanced roof live loads have been considered for this design.
6) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3468 lb uplift at joint 1 and 3468 lb uplift at joint 7.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 5-7=-54, 1-7=-623(F=-593)

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711019
L208402	T25	HIP	1	1	Job Reference (optional)

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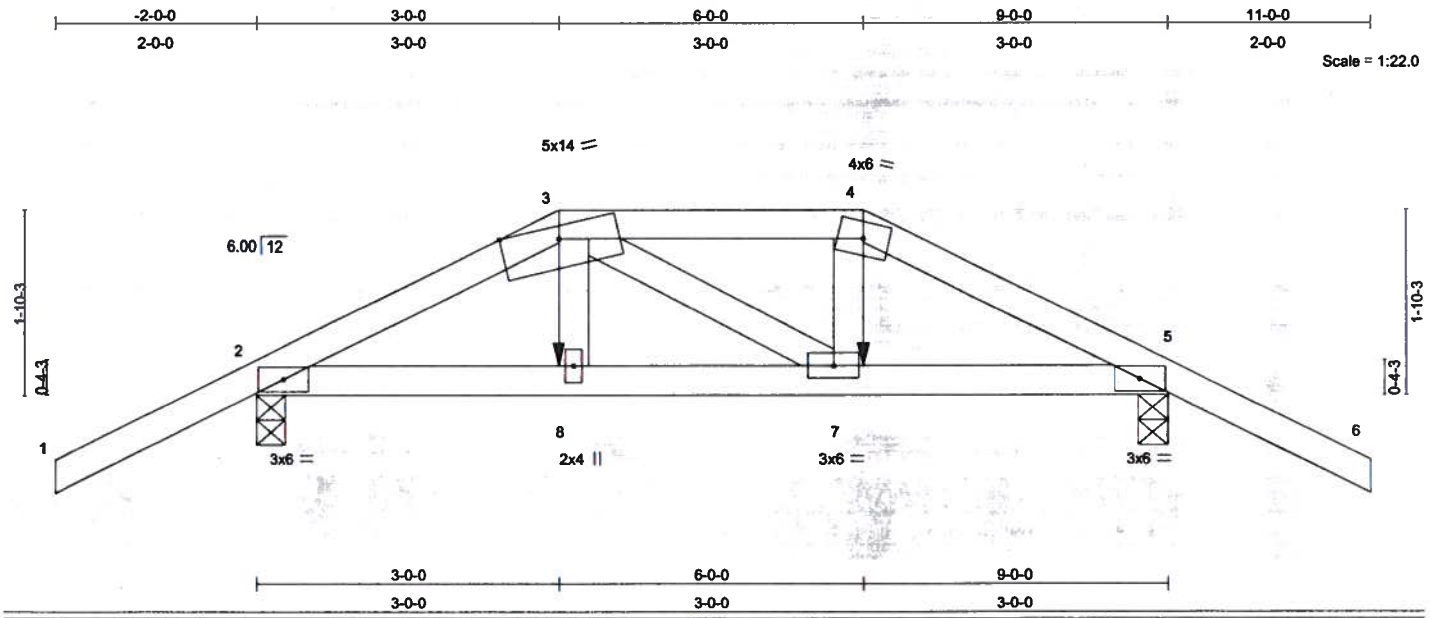

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.01	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.02	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

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

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

REACTIONS (lb/size) 2=566/0-3-8, 5=566/0-3-8
Max Horz 2=59(load case 4)
Max Uplift 2=-395(load case 4), 5=-395(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-665/358, 3-4=-561/339, 4-5=-666/358, 5-6=0/47
BOT CHORD 2-8=-281/547, 7-8=-288/560, 5-7=-268/548
WEBS 3-8=-90/155, 3-7=-39/39, 4-7=-87/161

JOINT STRESS INDEX
2 = 0.53, 3 = 0.15, 4 = 0.16, 5 = 0.53, 7 = 0.10 and 8 = 0.11

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 395 lb uplift at joint 2 and 395 lb uplift at joint 5.
6) Girder carries hip end with 3-0-0 end setback.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711019
L208402	T25	HIP	1	1	Job Reference (optional)

NOTES

7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-30, 7-8=-35(F=-5), 5-7=-30

Concentrated Loads (lb)

Vert: 8=-63(F) 7=-63(F)

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711020
L208402	T26	COMMON	1	1	Job Reference (optional)

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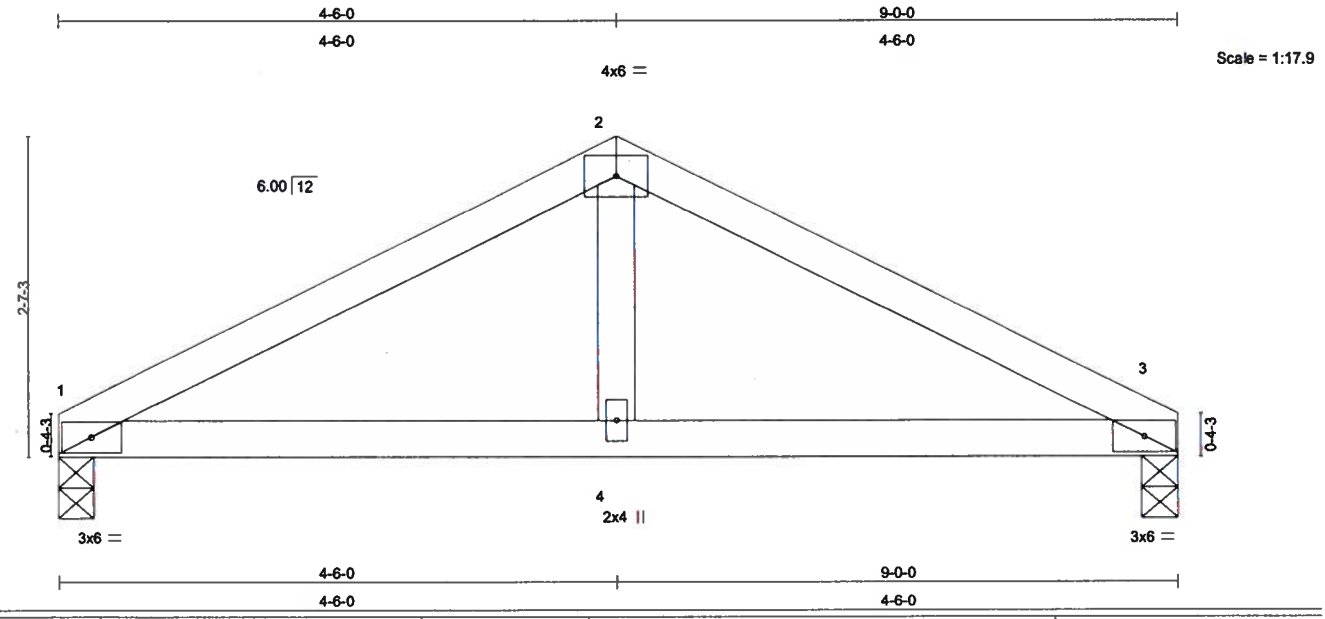

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.04	1-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	0.03	1-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 32 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-8 oc bracing.

REACTIONS (lb/size) 1=366/0-3-8, 3=366/0-3-8
Max Horz 1=-33(load case 3)
Max Uplift 1=-228(load case 5), 3=-228(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-528/636, 2-3=-528/636
BOT CHORD 1-4=-498/427, 3-4=-498/427
WEBS 2-4=-305/173

JOINT STRESS INDEX
1 = 0.28, 2 = 0.60, 3 = 0.28 and 4 = 0.12

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 1 and 228 lb uplift at joint 3.

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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711021
L208402	T27	COMMON	1	1	Job Reference (optional)

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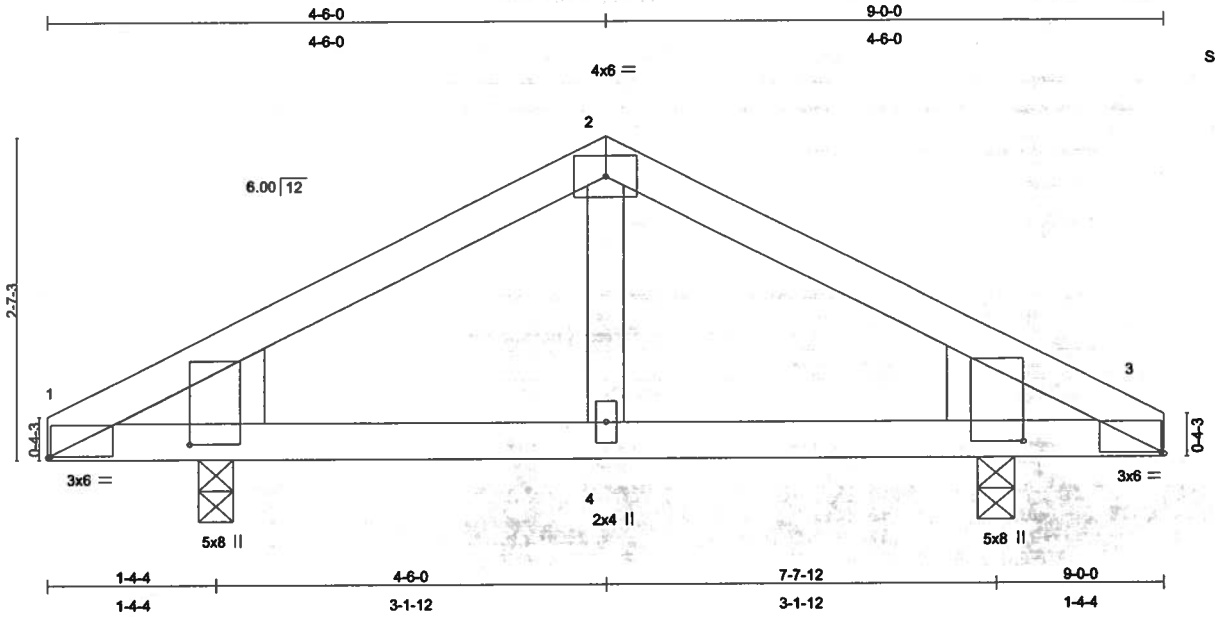


Plate Offsets (X,Y): [1:0-0-4,Edge], [1:0-1-4,1-1-11], [3:0-0-4,Edge], [3:0-1-4,1-1-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	0.04	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	0.03	3-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 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
WEDGE
Left: 2 X 8 SYP No.1D, Right: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-8 oc bracing.

REACTIONS (lb/size) 1=366/0-3-8, 3=366/0-3-8
Max Horz 1=33(load case 4)
Max Uplift 1=-228(load case 5), 3=-228(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-528/636, 2-3=-528/636
BOT CHORD 1-4=-498/427, 3-4=-498/427
WEBS 2-4=-305/173

JOINT STRESS INDEX
1 = 0.28, 1 = 0.08, 2 = 0.60, 3 = 0.28, 3 = 0.08 and 4 = 0.12

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

August 24,2006

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 12 MAYFAIR J1711021
L208402	T27	COMMON	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 1 and 228 lb uplift at joint 3.

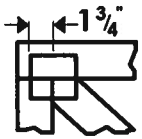
LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

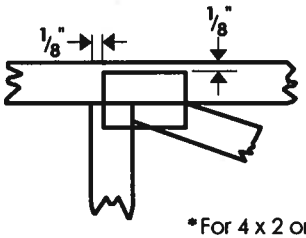
August 24,2006

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

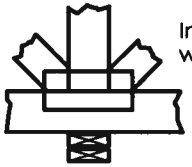
4 x 4

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

LATERAL BRACING

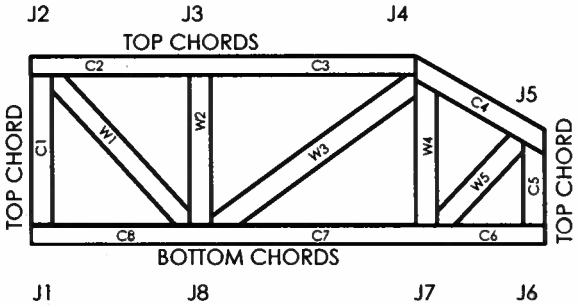
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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

MiTek®

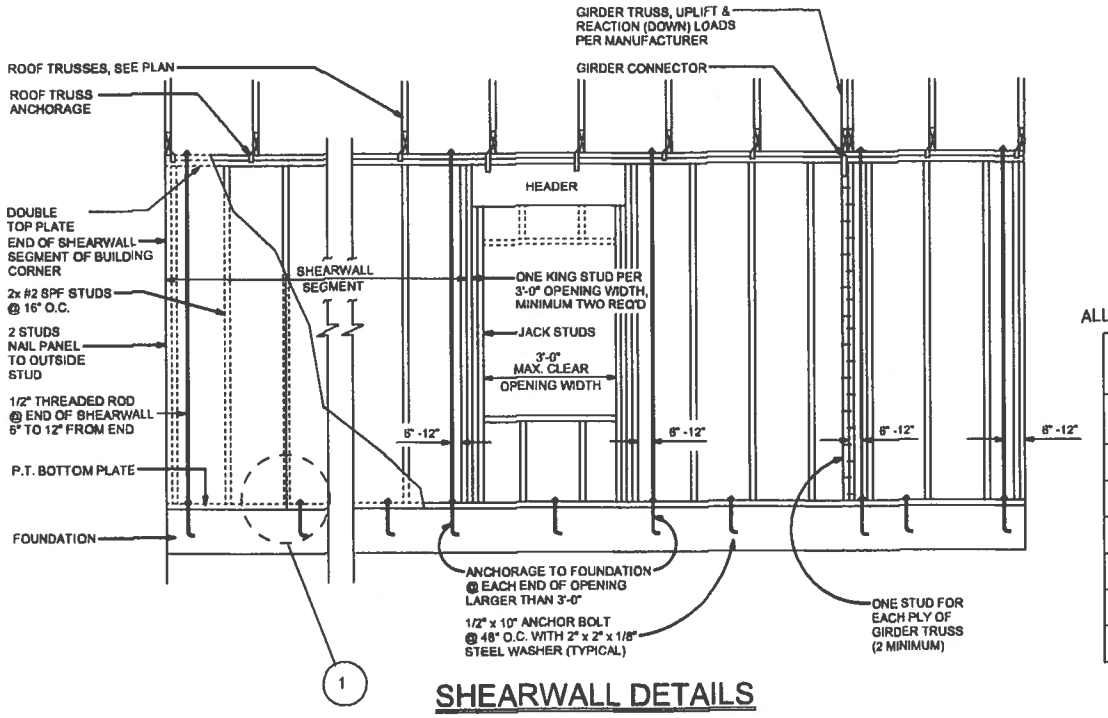
TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.



SHEARWALL DETAILS

SCALE: 1/2" = 1'-0"

RULES:
1. One all-thread rod at each corner.
2. One all-thread rod at each end of shearwalls.
3. One all-thread rod at each end of opening headers greater than 3'-0"
4. Check sub-sheathing to top plate connection for horizontal transfer capability.
5. If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.
6. Check sole plate to slab connection, additional anchors may be required for lateral and shear load transfer.

ALLOWABLE VALUES	
Connection Type	Allowable Value
Foundation / S.Y.P. Top Plate	3840 lbs.
Foundation / Spruce-Pine-Fir Top Plate	3840 lbs.
Lintel or Bond Beam / S.Y.P. Top Plate	3840 lbs.
Lintel or Bond Beam / Spruce-Pine-Fir Top Plate	3840 lbs.

Placement at slab level:

Corners
When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not set under the corner framing members. When a all-thread rod is specified at a building corner, it may be placed on either side of the corner.

Header ends
When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

Top Connections
Top connections made at corners and header ends shall be made within 2 inches of the framing pack. A nut and 3X3 washer shall be applied to the top plates and tightened securely.

Intermediate Coupler Connections
When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the coupler all the way onto the rod, then standing the two rods end to end, then threading the coupler back over the rod joint so each rod is halfway into the coupler.

Retro-fits
In the case of an all thread rod misplacement, the rod may be epoxied into the concrete.

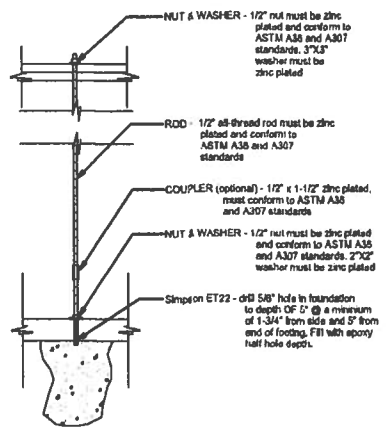
Sole plate to slab connection:
The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the sole plate will qualify as a sole plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

System Tightening:
On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.

SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 5'-0"	(1) 2x4 OR (1) 2x6	1
> 5' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3



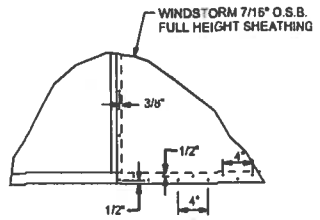
OPENING CONNECTION REQUIREMENTS				
CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	N/A	N/A
>3' - 6'	(2) 2x10	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>6' - 9'	(2) 2x12	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
rafters having slopes greater than 2/12 with no finished ceiling attached to rafters	L/180
interior walls and partitions	H/180
floors and plastered ceilings	L/360
all other structural members	L/240
exterior walls with plaster or stucco finish	H/360
exterior walls - wind loads with brittle finishes	L/240
exterior walls - wind loads with flexible finishes	L/120

NOTE:
ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.

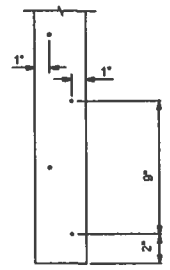
BASIC WIND SPEED		110 MPH
IMPORTANCE FACTOR		1.0
BUILDING CATEGORY		2
EXPOSURE		B
INTERNAL PRESSURE COEFFICIENT		+/- 0.18
COMPONENT AND CLADDING PRESSURE	WALLS	+21.8/-29.1 PSF
	ROOF	+12.5/-29.1 PSF
	OVERHANGS	-71.6 PSF
TYPE OF STRUCTURE		ENCLOSED
ROOF DEAD LOAD		10 PSF
ROOF LIVE LOAD		20 PSF
FLOOR DEAD LOAD		20 PSF
FLOOR LIVE LOAD		40 PSF



1 DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE

UPLIFT CAPACITY = 474 plf (TABLE 305S1 SSTD10-99)

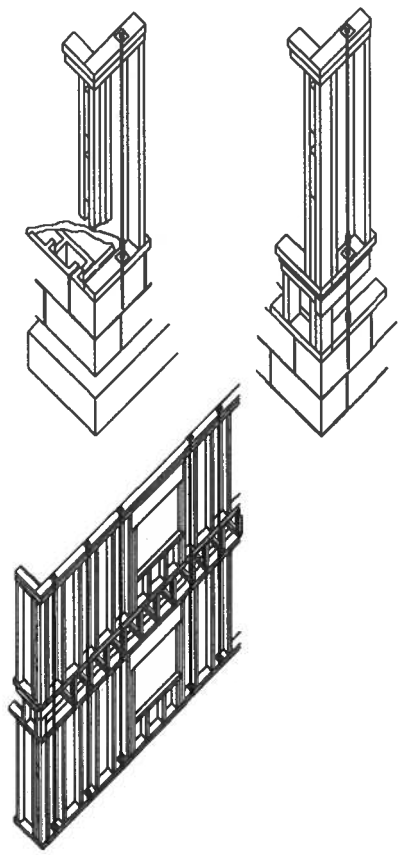
NOTE:
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED.
IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILED TO EACH STUD AT 12" O.C. MAXIMUM, THE LAMINATION NAILING SHOWN HERE IS NOT REQUIRED.



END (TOP OR BOTTOM)

GIRDER COLUMN DETAIL

SCALE: 1/2" = 1'-0"



ALL THREAD ROD CONNECTION DETAIL

161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4209

Freeman Design Group Inc

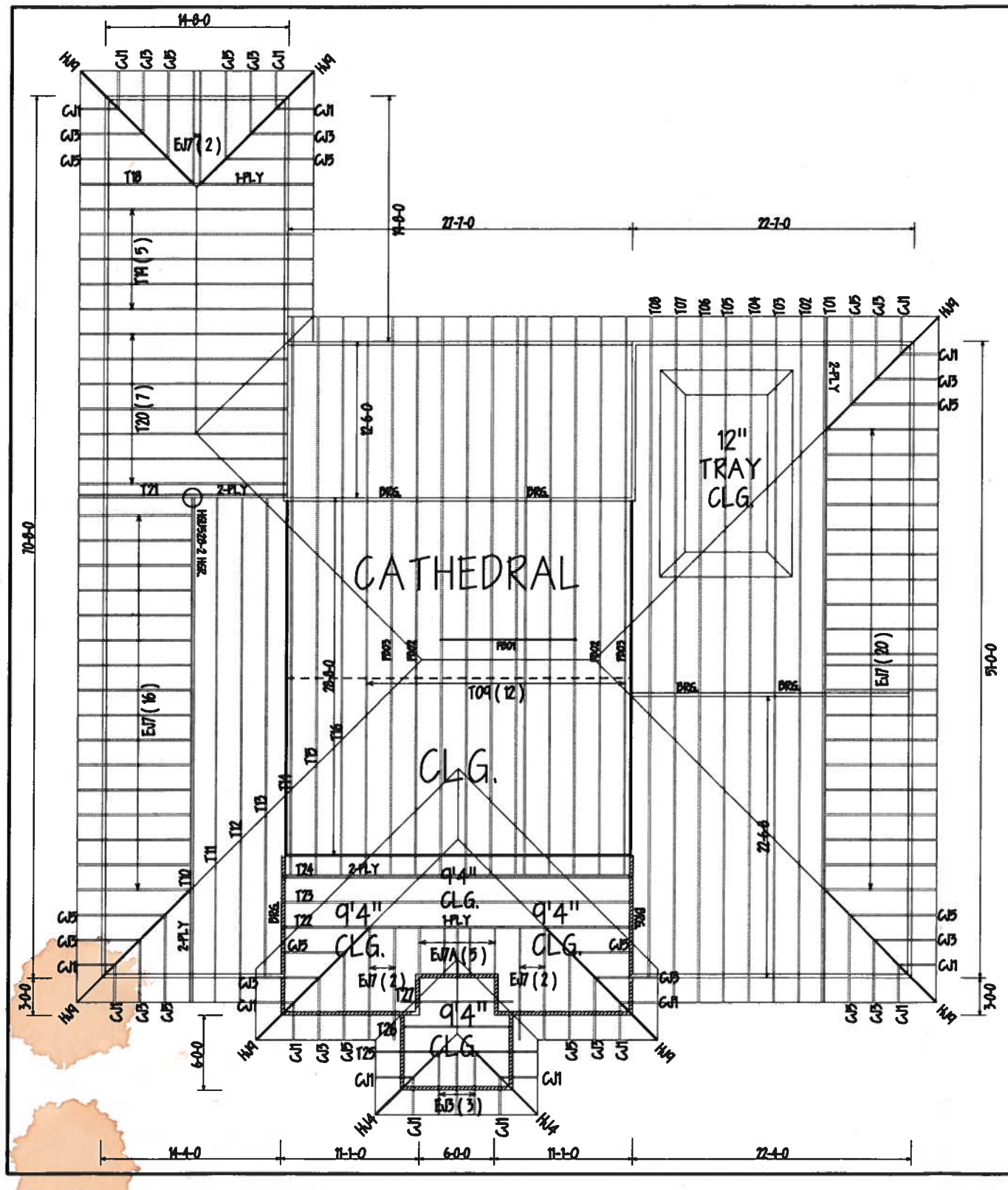
CERTIFICATE OF AUTHORIZATION # 00003701

DATE	DRAWN BY
10/24/06	W.H.F.

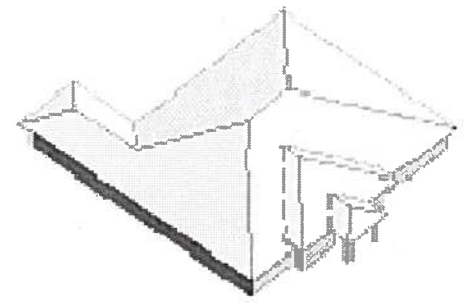
REVISIONS

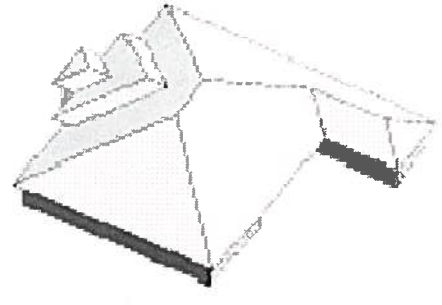
SHEET S-1
OF 1

PROJECT NO.



6/12 PITCH
2'0" O/H





BEARING HEIGHT SCHEDULE

8'-1 1/8"

9'- 5 1/8"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V109 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING. UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING. UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3549 FAX: 904-437-3496

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 904-755-6814 FAX: 904-755-7473

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: GIEBEIG HOMES		
JOB ADDRESS: LOT 12 MAYFAIR		
MODEL: CUSTOM		ELEVATION: SCALE: NTS
DATE: 8-24-06	DRAWN BY: K.L.H.	JOB #: L208402