DATE 03/07/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024192

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 462 SW FAIRLINGTON COURT LAKE CITY FL 32055

OWNER TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR. LAKE CITY FL 32025

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 441 S, TL ON 252, TR ON HOLLY TERRACE, TO THE END, HOUSE ON TOP OF HILL

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 134200.00

HEATED FLOOR AREA 2684.00 TOTAL AREA 4076.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 30

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

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

PARCEL ID 21-4S-17-08631-002 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 43.00

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

EXISTING | 06-0157-N | BLK | JDK | 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 1420

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power 02/21/2005 RJ (date/app. by) Foundation 02/14/2005 RJ (date/app. by) Monolithic (date/app. by)

Under slab rough-in plumbing 02/24/2005 RK (date/app. by) Slab 03/03/2005 RK (date/app. by) Sheathing/Nailing (date/app. by)

Framing 07/11/2005 RJ (date/app. by) Rough-in plumbing above slab and below wood floor 07/11/2005 RJ (date/app. by)

Electrical rough-in 07/11/2005 RJ (date/app. by) Heat & Air Duct 07/11/2005 RJ (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 $ 675.00 CERTIFICATION FEE $ 20.38 SURCHARGE FEE $ 20.38

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

FLOOD DEVELOPMENT FEE $ 0.00 FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 790.76

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.

Prepared by:
Elaine R. Davis
American Title Services of Lake City, Inc.
330 SW Main Boulevard
Lake City, Florida 32025

File Number: 05-897

Inst:2005031919 Date:12/27/2005 Time:08:52
Doc Stamp-Deed : 2927.40
DC,P.DeWitt Cason,Columbia County B:1069 P:727

Warranty Deed

Made this December 22, 2005 A.D.

By **Peter W. Giebeig**, Post Office Box 1384, Lake City, Florida 32056, hereinafter called the grantor,

to **Trent Giebeig Construction Inc.**, whose post office address is: 462 SW Fairlington Court, Lake City, Florida 32025, hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

See Attached Schedule "A"

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: **08631-000**

Together with all the 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:

Elaine R. Davis
Witness Printed Name Elaine R. Davis

Witness Printed Name GARRY DAMPIER

Peter W. G (Seal)
Peter W. Giebeig
Address: Post Office Box 1384, Lake City, Florida 32056

(Seal)
Address:

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 22nd day of December, 2005, by Peter W. Giebeig, who is/are personally known to me or who has produced known as identification.

Elaine R. Davis
Notary Public
Print Name: Elaine R. Davis

My Commission Expires:

ELAINE R. DAVIS
Notary Public - State of Florida
My Commission Expires Oct 14, 2007
Commission # DD 223411
Bonded By National Notary Assn.

DEED Individual Warranty Deed with Non-Homestead-Legal on Schedule A
Closers' Choice

Prepared by:
Elaine R. Davi
American Title Services of Lake City, Inc.
330 SW Main Boulevard
Lake City, Florida 32025

File Number: 05-897

Inst:2005031919 Date:12/27/2005 Time:08:52
Doc Stamp-Deed : 2927.40
DC,P.DeWitt Cason,Columbia County B:1069 P:728

Schedule "A"

COMMENCE AT THE NE CORNER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°10'49" W., ALONG THE NORTH LINE OF SAID SECTION 21, 1719.94 FEET; THENCE S 89°36'00" W., 846.84 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 89°36'00" W., 1403.38 FEET; THENCE S 01°25'11" E., 1325.06 FEET TO THE SOUTH LINE OF THE NORTH 1/2 OF THE NW 1/4 SAID SECTION 21; THENCE N 88°55'23" E., ALONG THE SOUTH LINE OF SAID NORTH 1/2, 1404.37 FEET; THENCE N 01°20'22" W., 1335.48 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH AN NON-EXCLUSIVE EASEMENT FOR THE RIGHT OF INGRESS,EGRESS AND UTILITIES BEING 30.00 FEET TO THE RIGHT AND 30.00 FEET TO THE LEFT OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCE AT THE NE CORNER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°10'49" W., ALONG THE NORTH LINE OF SAID SECTION 21, 1071.16 FEET TO A POINT ON THE CENTERLINE OF SE HOLLY TERRACE SAID POINT BEING THE POINT OF BEGINNING OF SAID EASEMENT CENTERLINE; THENCE S 04°39'31" W., 53.60 FEET TO THE POINT OF A CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 230.00 FEET, AN INCLUDED ANGLE OF 73°36'15", A CHORD BEARING OF S 41°27'39" W., AND A CHORD DISTANCE OF 275.56 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 295.47 FEET; THENCE S 78°15'46" W., 9.51 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 43°44'03", A CHORD BEARING OF S 56°23'44" W., AND A CHORD DISTANCE OF 193.68 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 198.46 FEET; THENCE S 34°31'43" W., 81.12 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 34°07'39", A CHORD BEARING OF S 17°27'53" W., AND A CHORD DISTANCE OF 152.59 FEET ; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 154.87 FEET; THENCE S 00°24'04" W., 96.75 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 85°51'40", A CHORD BEARING OF S 43°19'54" W., AND A CHORD DISTANCE OF 354.18 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 389.63 FEET; THENCE S 86°15'43" W., 791.55 FEET TO THE POINT OF TERMINATION OF SAID EASEMENT CENTERLINE.

NOTICE OF COMMENCEMENT

recorded 2/20/06

STATE OF: Florida
COUNTY OF: Columbia

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

1. Description of Property: 697 SE Holly Terrace Lake City, Fl. 32025
Legal Attached

2. General Description of Improvement: Construction Of Single Family

3. Owner Information:
   a. Name and Address: Trent Giebeig
   462 SW Fairlington Court Lake City, Fl. 32025
   b. Interest in Property: Fee Simple
   c. Name and Address of Fee Simple titleholder (if other than Owner):

4. Contractor (Name and Address): Owner Trent Giebeig

5. Surety:
   a. Name and Address:
   b. Amount of Bond: N/A

6. Lender (Name and Address):
   N/A

7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713,13 (l)(a)(7), Florida Statues.
   N/A

8. In addition to himself, the Owner designates the following person to recieve a copy of the Lienor's Notice as provided in 713.13 (l)(b), Florida Statues (Name and Address):
   N/A

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

Type Owner Name:

Trent Giebeig
Type Owner Name: Trent Giebeig

Elaine K. Tolar
Witness #1 Elaine K. Tolar

Sheryl Litteral
Witness #2 Sheryl Litteral

Sworn to and subscribed before me by the Owner (s) on this 20th day of Feb. 20 06

Elaine K. Tolar
Type Name: Elaine K. Tolar
Notary Public, State of Florida
COMMISSION EXPIRY / NUMBER:

Personally Known Trent Giebeig
Produced Identification
Did Take an Oath / Did Not Take an Oath

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

Schedule "A"

COMMENCE AT THE NE CORNER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°10'49" W., ALONG THE NORTH LINE OF SAID SECTION 21, 1719.94 FEET; THENCE S 89°36'00" W., 846.84 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 89°36'00" W., 1403.38 FEET; THENCE S 01°25'11" E., 1325.06 FEET TO THE SOUTH LINE OF THE NORTH 1/2 OF THE NW 1/4 SAID SECTION 21; THENCE N 88°55'23" E., ALONG THE SOUTH LINE OF SAID NORTH 1/2, 1404.37 FEET; THENCE N 01°20'22" W., 1335.48 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH AN NON-EXCLUSIVE EASEMENT FOR THE RIGHT OF INGRESS,EGRESS AND UTILITIES BEING 30.00 FEET TO THE RIGHT AND 30.00 FEET TO THE LEFT OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCE AT THE NE CORNER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°10'49" W., ALONG THE NORTH LINE OF SAID SECTION 21, 1071.16 FEET TO A POINT ON THE CENTERLINE OF SE HOLLY TERRACE SAID POINT BEING THE POINT OF BEGINNING OF SAID EASEMENT CENTERLINE; THENCE S 04°39'31" W., 53.60 FEET TO THE POINT OF A CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 230.00 FEET, AN INCLUDED ANGLE OF 73°36'15", A CHORD BEARING OF S 41°27'39" W., AND A CHORD DISTANCE OF 275.56 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 295.47 FEET; THENCE S 78°15'46" W., 9.51 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 43°44'03", A CHORD BEARING OF S 56°23'44" W., AND A CHORD DISTANCE OF 193.68 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 198.46 FEET; THENCE S 34°31'43" W., 81.12 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 34°07'39", A CHORD BEARING OF S 17°27'53" W., AND A CHORD DISTANCE OF 152.59 FEET ; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 154.87 FEET; THENCE S 00°24'04" W., 96.75 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 260.00 FEET, AN INCLUDED ANGLE OF 85°51'40", A CHORD BEARING OF S 43°19'54" W., AND A CHORD DISTANCE OF 354.18 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 389.63 FEET; THENCE S 86°15'43" W., 791.55 FEET TO THE POINT OF TERMINATION OF SAID EASEMENT CENTERLINE.

For Office Use Only - **Application #** 0602-58 **Date Received** 2-20-06 **By** G **Permit #** 24192

Application Approved by - Zoning Official BLK **Date** 02.03.06 **Plans Examiner** OK JTH **Date** 6-3-06

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

Comments

06-0157-N ~~EH~~ — ~~Add Parcel~~ #

Applicants Name Trent Giebeig **Phone** 397-0545

Address 462 SW Fairlington CT Lake City

Owners Name Trent Giebeig **Phone** 752-0791

911 Address 697 SE Holly Ter. Lake City 32025

Contractors Name Owner Trent Giebeig **Phone** 752-0791

Address 462 SW Fairlington CT Lake City

Fee Simple Owner Name & Address Trent Giebeig

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address

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

Property ID Number 21-4S-17-08631-002 (002) **Estimated Cost of Construction** 160,000.00

Subdivision Name — **Lot** — **Block** — **Unit** — **Phase** —

Driving Directions 441 South left on 252 right on Holly Terrace go to end house on top of Hill

Type of Construction Brick / Frame **Number of Existing Dwellings on Property** 0

Total Acreage 43.27 **Lot Size** — **Do you need a** - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 250' **Side** 720' **Side** 540' **Rear** 1150

Total Building Height 30' **Number of Stories** 1 **Heated Floor Area** 2684 **Roof Pitch** 8/12

Porches 838 Garage 554 Total 4,076

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.

[signature]

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 20th **day of** February **20**06.

Personally known X **or Produced Identification**

[signature] Elaine

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

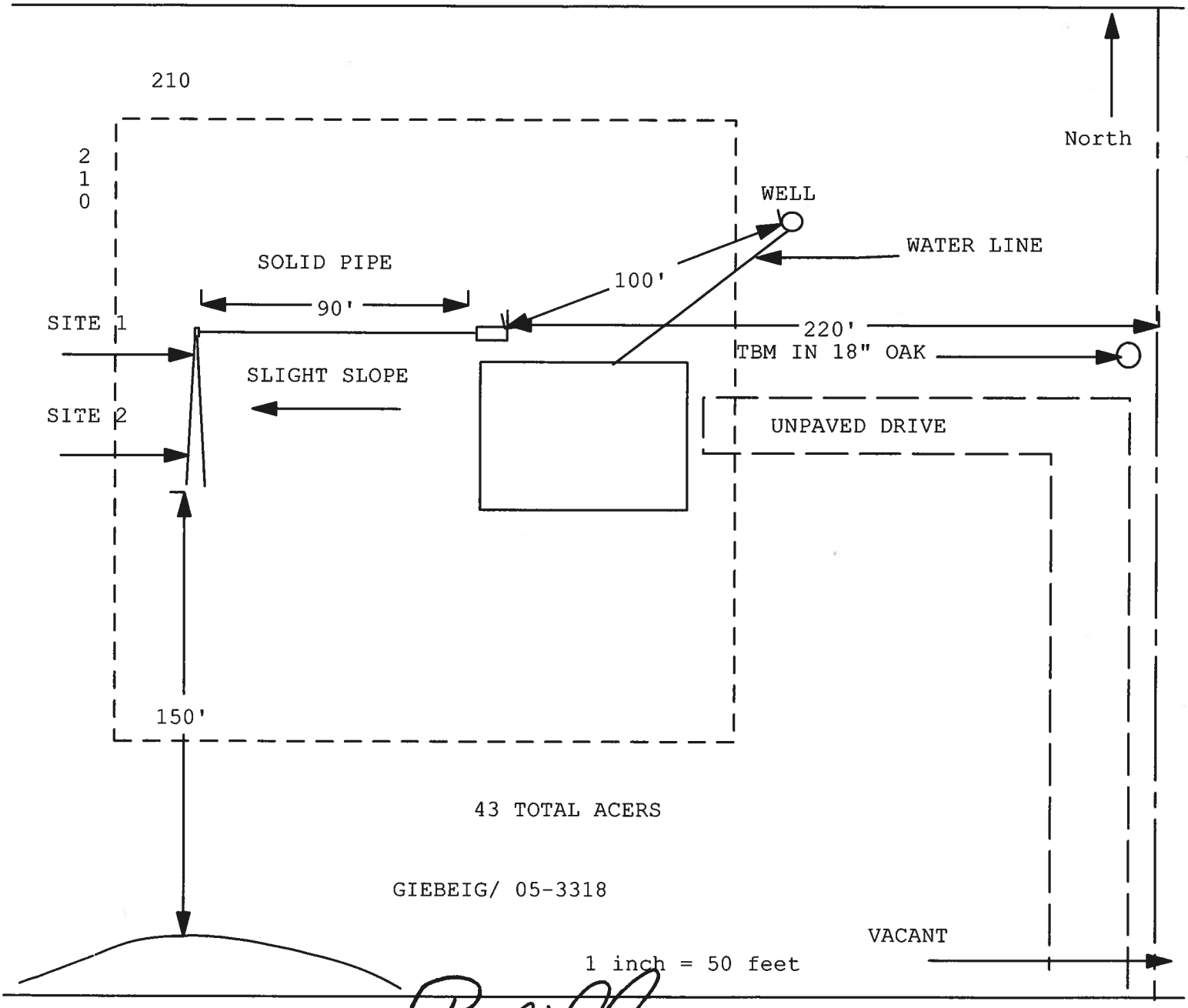
Notary Signature

ELAINE K. TOLAR

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

Permit Application Number: 06-0157N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



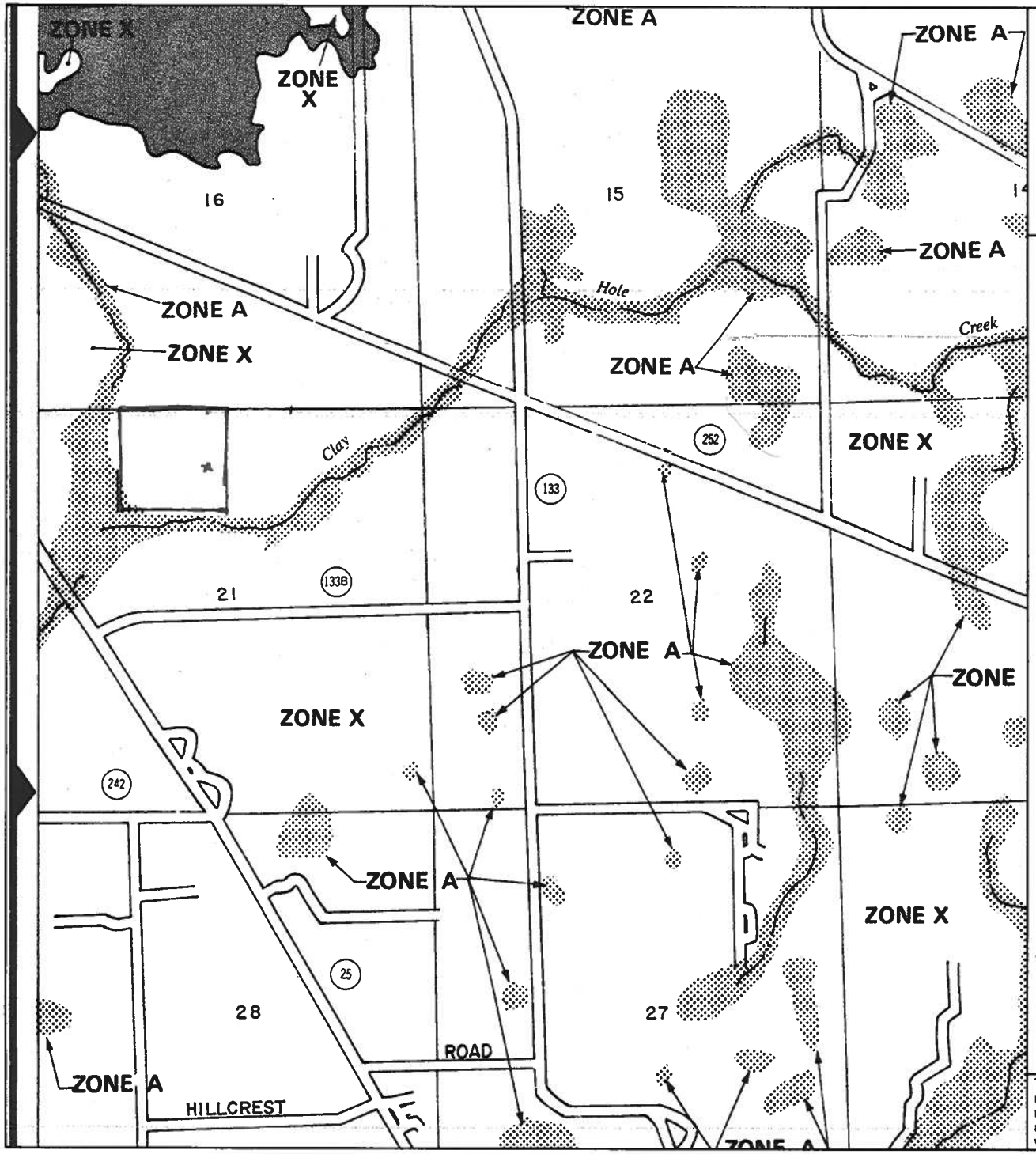
Site Plan Submitted By Paul Lloyd **Date** 1/31/06

Plan Approved X **Not Approved** ____ **Date** 2-23-06

By Sallie Maddy · ES II **CPHU**

Notes: See attached survey for entire prop. dimensions

Columbia CHD



APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

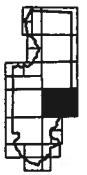
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0200 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Futher information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mit/tsd.

Print Date: 3/2/2006 (printed at scale and type A)

LYNCH WELL DRILLING, INC.

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

Holly Lew.

Building Permit # _____ Owner's Name Trent Grieberg

Well Depth _____ Ft. Casing Depth _____ Ft. Water Level _____ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Grundfos Pump Model 520-100 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: Precharged Bladder Make Challenger Model PC 20 4 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

2-20-06
Date

DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

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

NEW CONSTRUCTION OR IMPROVEMENT

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

Trent Gieberg 2-20-06

Signature Date

FOR BUILDING USE ONLY

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

Date_____ Building Official/Representative_____

Clerk of Circuit Court - Columbia County
Date: 02/20/2006 Receipt #: 000000002282
Time: 14:08 Inst No: 2006004076
Recording Clerk: FVD
Payee: TRENT GIEBEIG CONSTRUCTION
CK: 1386

Recording	9.00
Records Trust	1.50
Indexing	.00
Copies	.00
Certification	.00
CTY COMM JULY 1	4.00
PRMTF JULY 1	3.80
FACC JULY 1	.20
Check Tendered	$18.50
Voucher Total	$18.50
Total Received	18.50
Change Due	$.00

Printer is down. will not print labels.

Bonnie

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 2/15/2006 **DATE ISSUED:** 2/20/2006

ENHANCED 9-1-1 ADDRESS:

697 SE HOLLY TER

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

21-4S-17-08631-008

Remarks:

(~~PARENT PARCEL~~)

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

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

79

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Trent Giebeig Residence**	Builder:	Giebeig
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	24192
Owner:		Jurisdiction Number:	221000
Climate Zone:	**South**		

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		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2684 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	213.0 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, 232.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1862.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2952.4 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 75.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 48.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 48.0 kBtu/hr	
	HSPF: 7.00	
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: 0.08

Total as-built points: 31889
Total base points: 42624

PASS

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

PREPARED BY: Walt N Fee

DATE: 2/16/06

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	2684.0	32.50	15701.4	Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1	
				Double, Clear	E	1.5	6.0	50.0	68.60	0.92	3146.9	
				Double, Clear	S	1.5	5.0	16.0	58.45	0.83	772.4	
				Double, Clear	S	1.5	4.0	6.0	58.45	0.76	266.1	
				Double, Clear	W	1.5	6.0	60.0	61.59	0.92	3392.6	
				Double, Clear	W	1.5	6.0	40.0	61.59	0.92	2261.7	
				Double, Clear	N	1.5	4.0	6.0	31.93	0.89	169.6	
				Double, Clear	N	1.5	2.0	5.0	31.93	0.76	122.1	
				As-Built Total:				**213.0**			**12019.5**	
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	1862.4	2.40		4469.8	
Exterior	1862.4	2.70	5028.5									
Base Total:	**1862.4**		**5028.5**	**As-Built Total:**				**1862.4**			**4469.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				102.0	6.40		652.8	
Exterior	102.0	6.40	652.8									
Base Total:	**102.0**		**652.8**	**As-Built Total:**				**102.0**			**652.8**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2684.0	2.80	7515.2	Under Attic			30.0	2952.4	2.77 X 1.00		8178.1	
Base Total:	**2684.0**		**7515.2**	**As-Built Total:**				**2952.4**			**8178.1**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	232.8(p)	-20.0	-4656.0	Slab-On-Grade Edge Insulation			0.0	232.8(p	-20.00		-4656.0	
Raised	0.0	0.00	0.0									
Base Total:			**-4656.0**	**As-Built Total:**				**232.8**			**-4656.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2684.0	18.79	50432.4					2684.0	18.79		50432.4	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points:		**74674.2**	**Summer As-Built Points:**					**71096.6**
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
74674.2	**0.4266**	**31856.0**	71096.6 **71096.6**	1.000 **1.00**	(1.000 x 1.165 x 0.90) **1.048**	0.341 **0.341**	0.857 **0.857**	21794.3 **21794.3**

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	2684.0	2.36	1140.2	Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1
				Double, Clear	E	1.5	6.0	50.0	3.30	1.02	168.5
				Double, Clear	S	1.5	5.0	16.0	3.12	1.04	51.7
				Double, Clear	S	1.5	4.0	6.0	3.12	1.07	20.0
				Double, Clear	W	1.5	6.0	60.0	3.98	1.00	238.3
				Double, Clear	W	1.5	6.0	40.0	3.98	1.00	158.9
				Double, Clear	N	1.5	4.0	6.0	4.38	0.99	25.9
				Double, Clear	N	1.5	2.0	5.0	4.38	0.97	21.3
				As-Built Total:				**213.0**			**785.5**
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	1862.4	0.60		1117.4
Exterior	1862.4	0.60	1117.4								
Base Total:	**1862.4**		**1117.4**	**As-Built Total:**				**1862.4**			**1117.4**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				102.0	1.80		183.6
Exterior	102.0	1.80	183.6								
Base Total:	**102.0**		**183.6**	**As-Built Total:**				**102.0**			**183.6**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points
Under Attic	2684.0	0.10	268.4	Under Attic			30.0	2952.4	0.10 X 1.00		295.2
Base Total:	**2684.0**		**268.4**	**As-Built Total:**				**2952.4**			**295.2**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	232.8(p)	-2.1	-488.9	Slab-On-Grade Edge Insulation			0.0	232.8(p	-2.10		-488.9
Raised	0.0	0.00	0.0								
Base Total:			**-488.9**	**As-Built Total:**				**232.8**			**-488.9**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	2684.0	-0.06	-161.0					2684.0	-0.06		-161.0

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**2059.7**	**Winter As-Built Points:**					**1731.9**
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
2059.7	**0.6274**	**1292.2**	1731.9 **1731.9**	1.000 **1.00**	(1.000 x 1.137 x 0.91) **1.035**	0.487 **0.487**	0.950 **0.950**	829.3 **829.3**

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	
4		2369.00	9476.0	50.0	0.90	4	1.00	2316.36	1.00	9265.4	
				As-Built Total:							**9265.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
31856	**1292**	**9476**	**42624**	**21794**	**829**	**9265**	**31889**

PASS

FORM 600A-2001

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* = 87.8

The higher the score, the more efficient the home.

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		4
5.	Is this a worst case?		Yes
6.	Conditioned floor area (ft²)		2684 ft²
7.	Glass area & type	Single Pane	Double Pane
a.	Clear - single pane	0.0 ft²	213.0 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, 232.8(p) ft
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior		R=13.0, 1862.4 ft²
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic		R=30.0, 2952.4 ft²
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 75.8 ft
b.	N/A		

12.	Cooling systems	
a.	Central Unit	Cap: 48.0 kBtu/hr
		SEER: 10.00
b.	N/A	
c.	N/A	
13.	Heating systems	
a.	Electric Heat Pump	Cap: 48.0 kBtu/hr
		HSPF: 7.00
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 850/488-1824.*

Residential System Sizing Calculation

Summary

Project Title:
Trent Giebeig Residence

Code Only
Professional Version
Climate: South

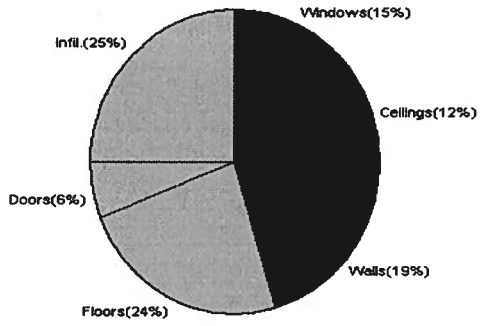
2/16/2006

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	**31109**	**Btuh**	**Total cooling load calculation**	**31271**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	154.3	48000	Sensible (SHR = 0.5)	100.0	24000
Heat Pump + Auxiliary(0.0kW)	154.3	48000	Latent	329.6	24000
			Total (Electric Heat Pump)	153.5	48000

WINTER CALCULATIONS

Winter Heating Load (for 2684 sqft)

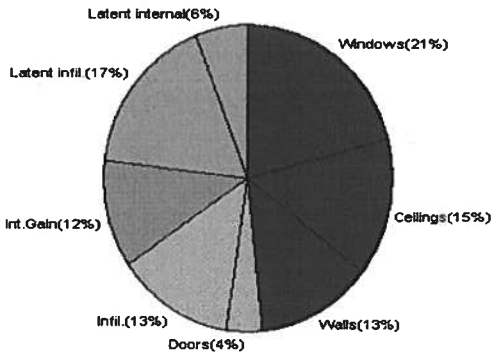
Load component			Load	
Window total	213	sqft	4580	Btuh
Wall total	1862	sqft	5773	Btuh
Door total	102	sqft	1870	Btuh
Ceiling total	2952	sqft	3838	Btuh
Floor total	233	ft	7356	Btuh
Infiltration	179	cfm	7692	Btuh
Subtotal			**31109**	**Btuh**
Duct loss			0	Btuh
TOTAL HEAT LOSS			**31109**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2684 sqft)

Load component			Load	
Window total	213	sqft	6557	Btuh
Wall total	1862	sqft	3986	Btuh
Door total	102	sqft	1273	Btuh
Ceiling total	2952	sqft	4606	Btuh
Floor total			0	Btuh
Infiltration	157	cfm	3969	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**23991**	**Btuh**
Duct gain			0	Btuh
Total sensible gain			**23991**	**Btuh**
Latent gain(infiltration)			5441	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**7281**	**Btuh**
TOTAL HEAT GAIN			**31271**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Walter H. Lee
DATE: 2/16/06

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Trent Giebeig Residence

Code Only
Professional Version
Climate: South

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

2/16/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
2	2, Clear, Wood, DEF	N	50.0	21.5	1075 Btuh
3	2, Clear, Wood, DEF	E	16.0	21.5	344 Btuh
4	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
5	2, Clear, Wood, DEF	S	60.0	21.5	1290 Btuh
6	2, Clear, Wood, DEF	S	40.0	21.5	860 Btuh
7	2, Clear, Wood, DEF	W	6.0	21.5	129 Btuh
8	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
	Window Total		213		4580 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1862	3.1	5773 Btuh
	Wall Total		1862		5773 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		102	18.3	1870 Btuh
	Door Total		102		1870Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2952	1.3	3838 Btuh
	Ceiling Total		2952		3838Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	232.8 ft(p)	31.6	7356 Btuh
	Floor Total		233		7356 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	26840(sqft)	179	7692 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			179	7692 Btuh

Totals for Heating	**Subtotal**	**31109 Btuh**
	Duct Loss(using duct multiplier of 0.00)	**0 Btuh**
	Total Btuh Loss	**31109 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

Project Title:
Trent Giebeig Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 2/16/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Overhang Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	HTM Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	24	24	720	Btuh
2	2, Clear, DEF, N, N	N	1.5	6	50.0	0.0	50.0	24	24	1200	Btuh
3	2, Clear, DEF, N, N	E	1.5	5	16.0	1.0	15.0	24	74	1135	Btuh
4	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
5	2, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	24	39	1440	Btuh
6	2, Clear, DEF, N, N	S	1.5	6	40.0	40.0	0.0	24	39	960	Btuh
7	2, Clear, DEF, N, N	W	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
8	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
	Window Total				213					6557	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1862.4	2.1	3986	Btuh
	Wall Total		1862.4		3986	Btuh

Doors	Type		Area	HTM	Load	
1	Insulated - Exter		102.0	12.5	1273	Btuh
	Door Total		102.0		1273	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2952.4	1.6	4606	Btuh
	Ceiling Total		2952.4		4606	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	232.8 ft(p)	0.0	0	Btuh
	Floor Total		232.8		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	26840	156.9	3969	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			157	3969	Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	8	X	300	+	1200	3600	Btuh

Totals for Cooling			
	Subtotal	**23991**	**Btuh**
	Duct gain(using duct multiplier of 0.00)	**0**	**Btuh**
	Total sensible gain	**23991**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**5441**	**Btuh**
	Latent occupant gain (8 people @ 230 Btuh per person)	**1840**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**31271**	**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/Draperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

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**

Mechanical:

- ☐ ☐ a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
- ☐ ☐ b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
- ☐ ☐ c) Equipment
- ☐ ☐ d) Equipment location
- ☐ ☐ e) Make-up air
- ☐ ☐ f) Roof mounted equipment
- ☐ ☐ g) Duct systems
- ☐ ☐ h) Ventilation
- ☐ ☐ i) Combustion air
- ☐ ☐ j) Chimneys, fireplaces and vents
- ☐ ☐ k) Appliances
- ☐ ☐ l) Boilers
- ☐ ☐ m) Refrigeration
- ☐ ☐ n) Bathroom ventilation
- ☐ ☐ o) Laboratory

Gas:

- ☐ ☐ a) Gas piping
- ☐ ☐ b) Venting
- ☐ ☐ c) Combustion air
- ☐ ☐ d) Chimney's and vents
- ☐ ☐ e) Appliances
- ☐ ☐ f) Type of gas
- ☐ ☐ g) Fireplaces
- ☐ ☐ h) LP tank locations
- ☐ ☐ i) Riser diagram/shut offs

☐ ☐ **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

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

Tuesday, March 6, 2006

Trent Giebeig
Lake City, FL.

To Whom It May Concern:

I have reviewed the truss plans for Trent Giebeig and recommend the Simpson H16 for single trusses and the H16-2 for double trusses. Fasten each with 10-10d x 1 ½" nails to top plate and 2-10d x 1 ½" nails to truss. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H Freeman

William H. Freeman, P.E.
President
Cert. Of Autorization # 00008701

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

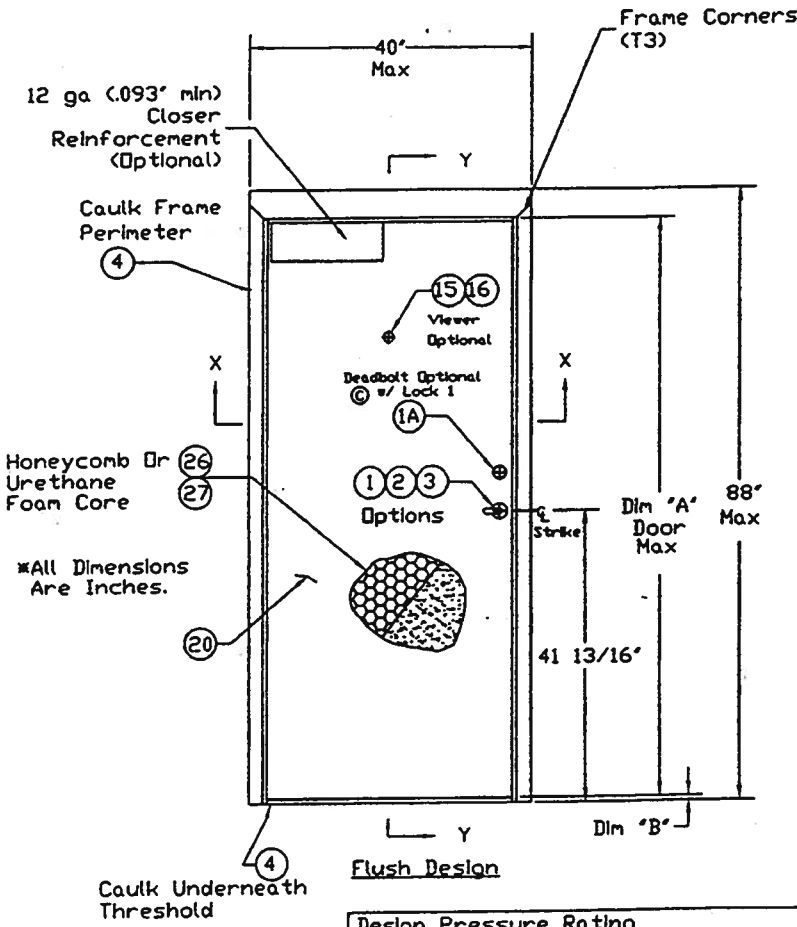
LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

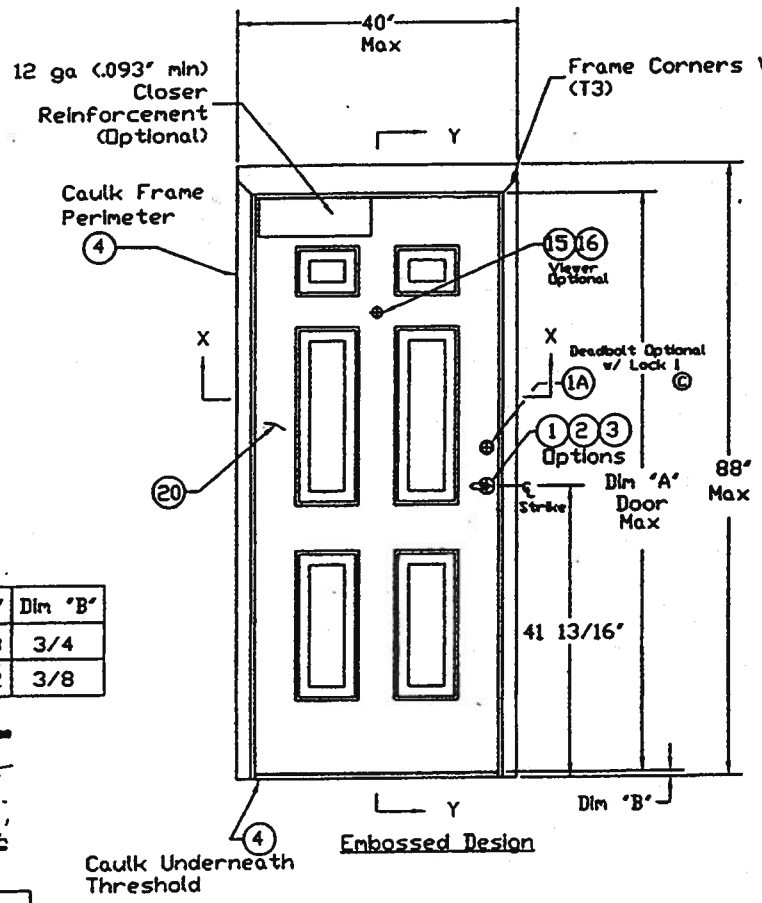
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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.**





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 Systen
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

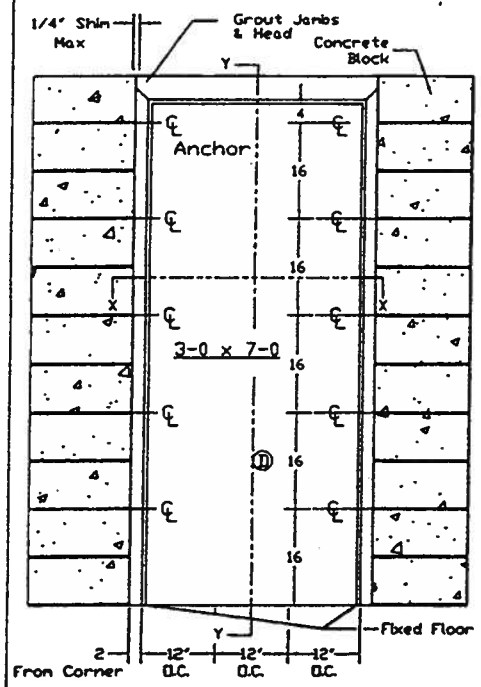
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A 9/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 1 of 9

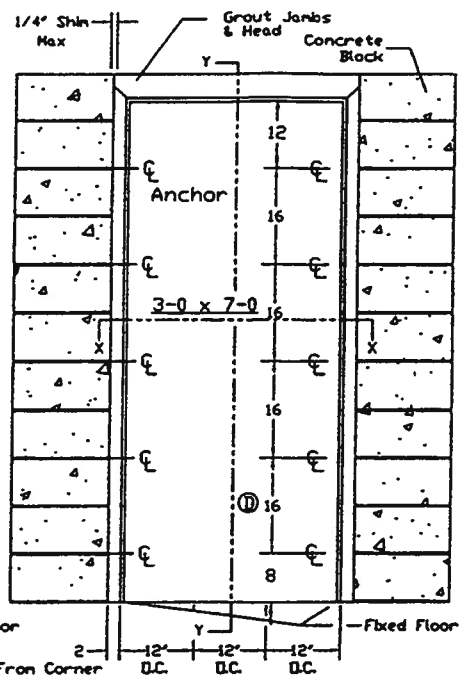
Masonry 'T' Anchor

Min. 3500 PSI



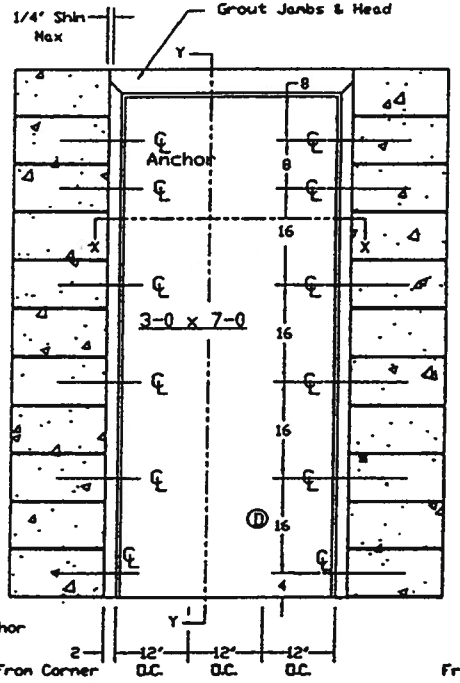
Masonry Wire Anchor

Min. 3500 PSI

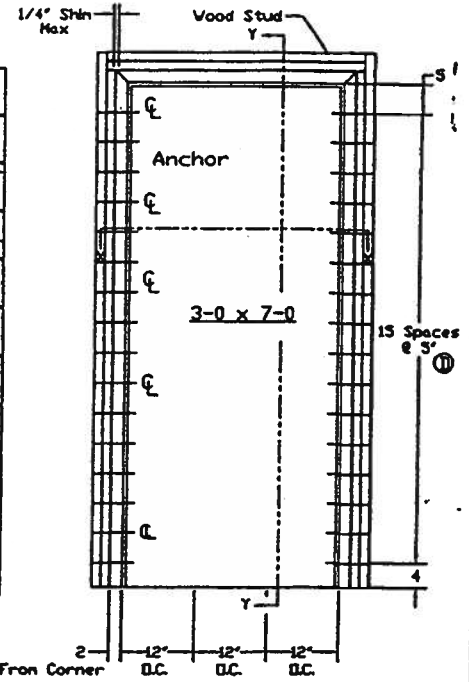


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

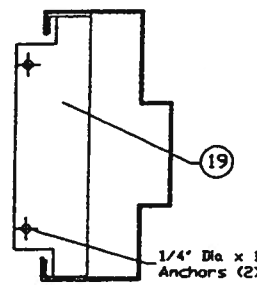


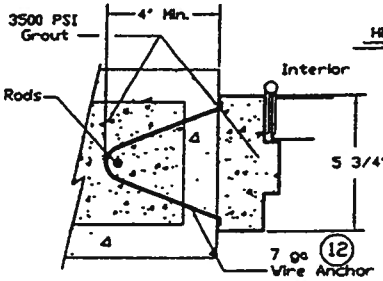
Existing Opening Anchor Into Wood Stud

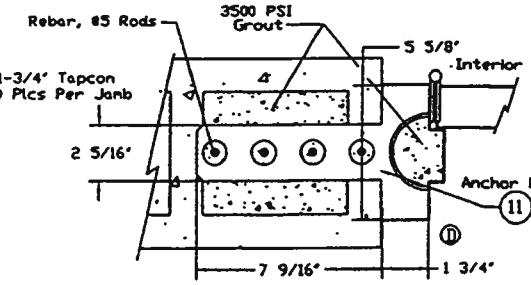


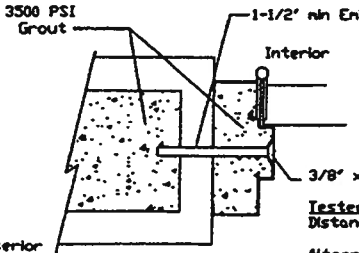
All Dimensions Are Inches

Installation Details Hinge Jambs / Lock Jambs



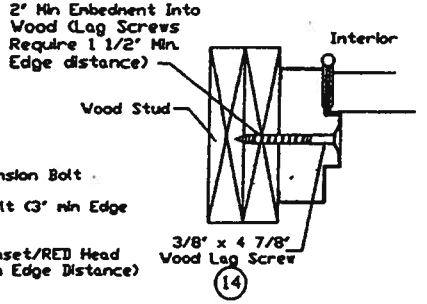






Tested Ravl Lok/Bolt (3" min Edge Distance)

Alternative ITV 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

ISSUE	REVISIONS
A 6/25/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

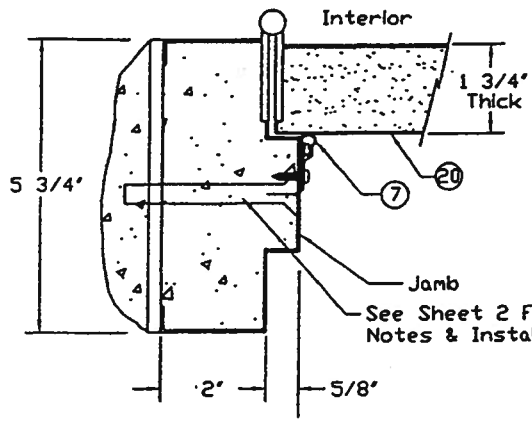
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

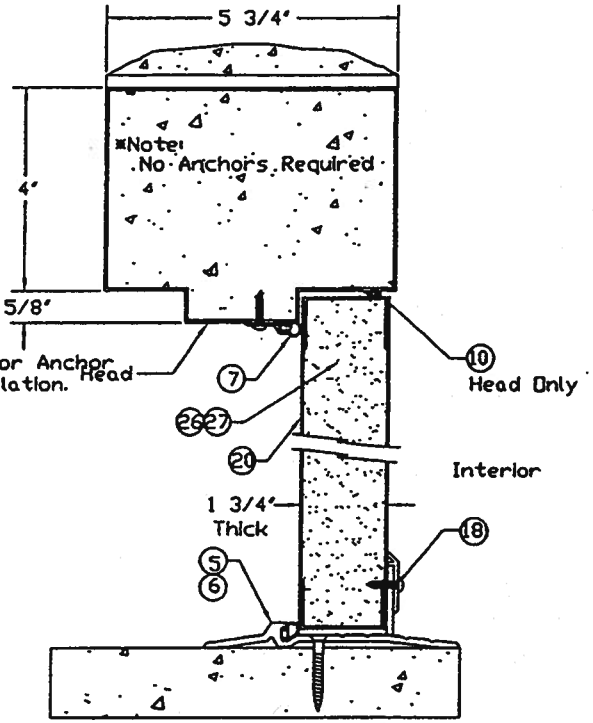
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY:	DATE:
LT	5/22/02

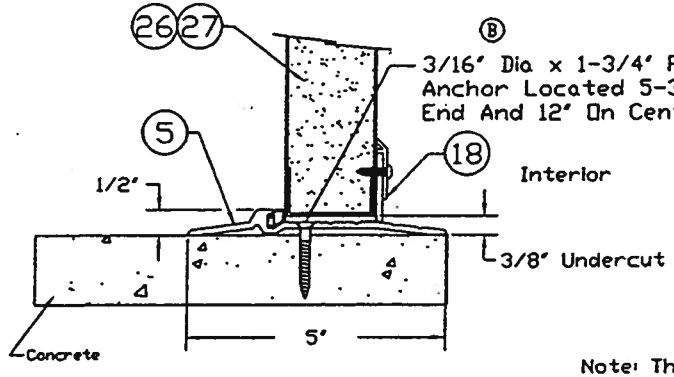
DRAWING NUMBER:
RD0728
Sheet 2 of 9

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





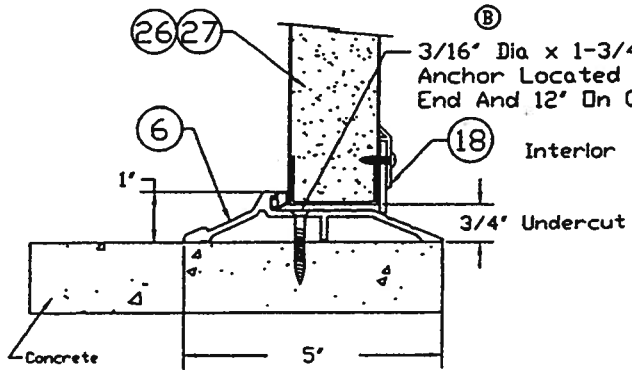
Section Y-Y



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 I. Chanda

D	10/31/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	8/26/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda

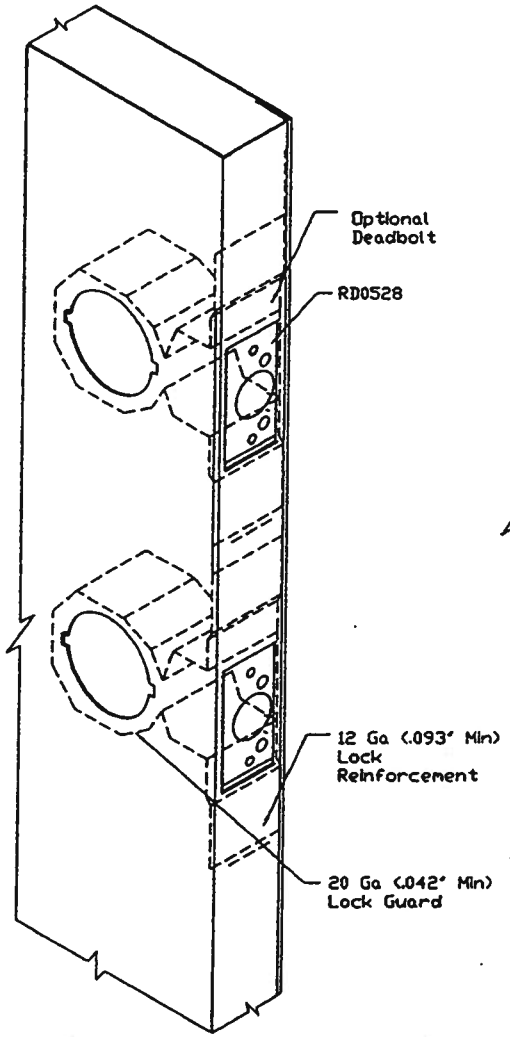
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

MATERIAL SPECIFICATIONS:

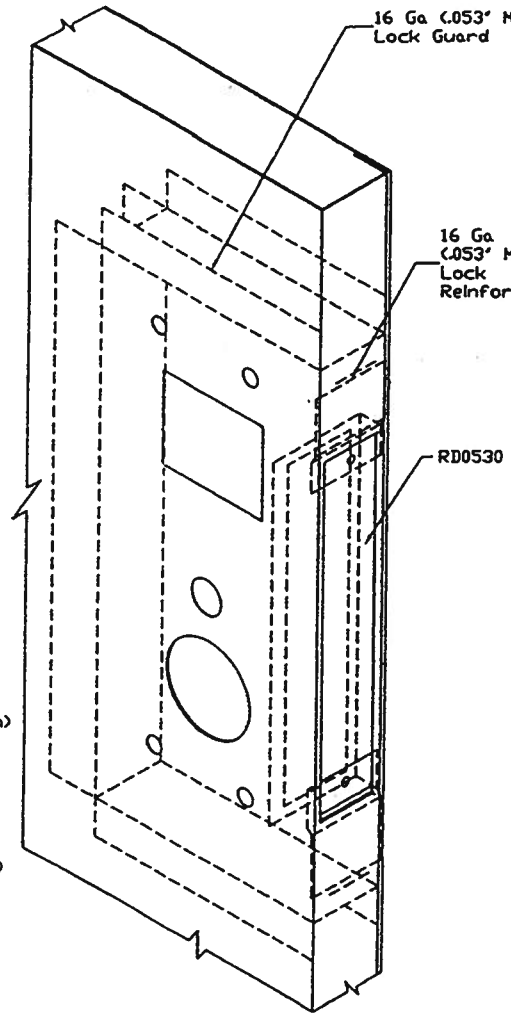
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

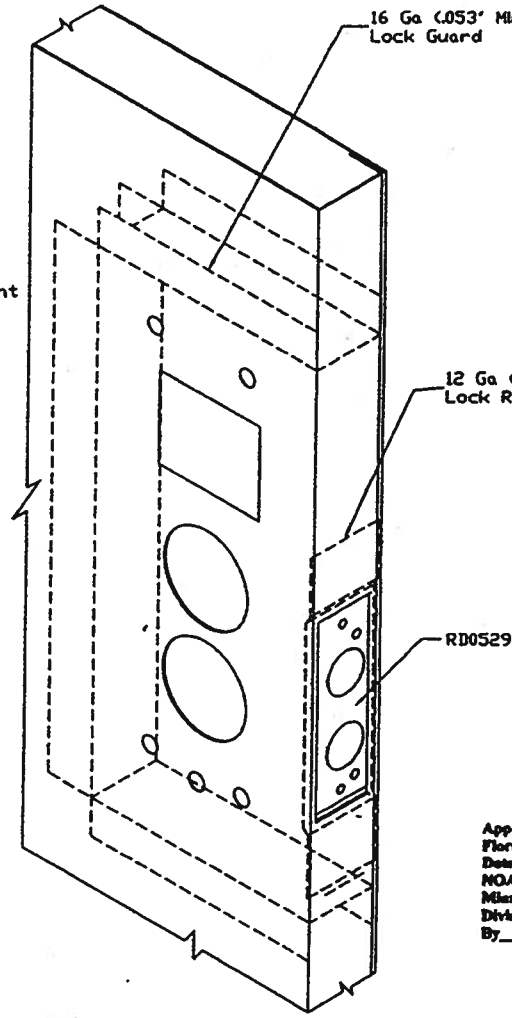
RD0728
Sheet 3 Of 9



Schlage AL53PD



Saflok MT



Saflok Premier SL2500

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

A 5/28/02 LT	Added RD0528, RD0529 & RD0530.
ISSUE	REVISIONS

MATERIAL SPECIFICATIONS:

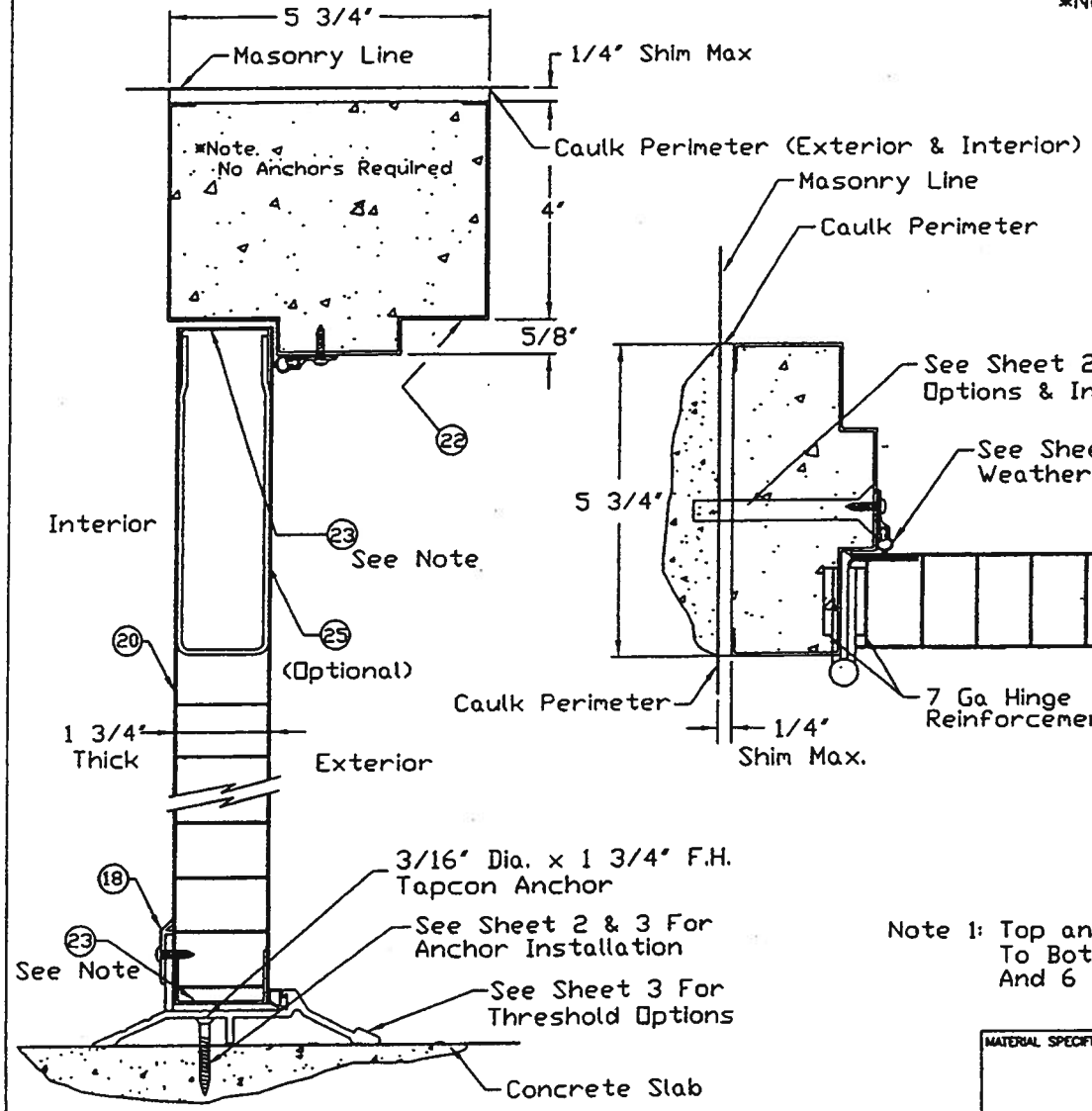
Lock Reinforcement (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Reinforcement Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

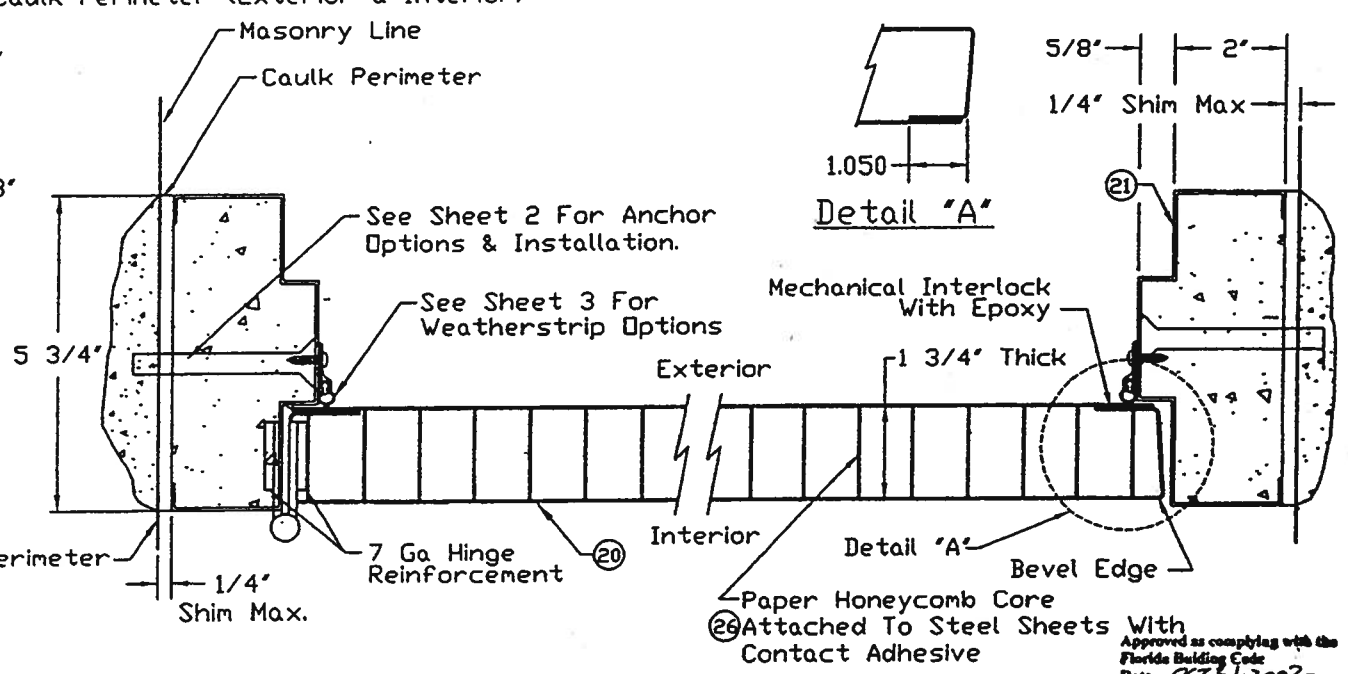
DRAWN BY:	DATE:
LT	5/28/02

DRAWING NUMBER:
RD0728
Sheet 4 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

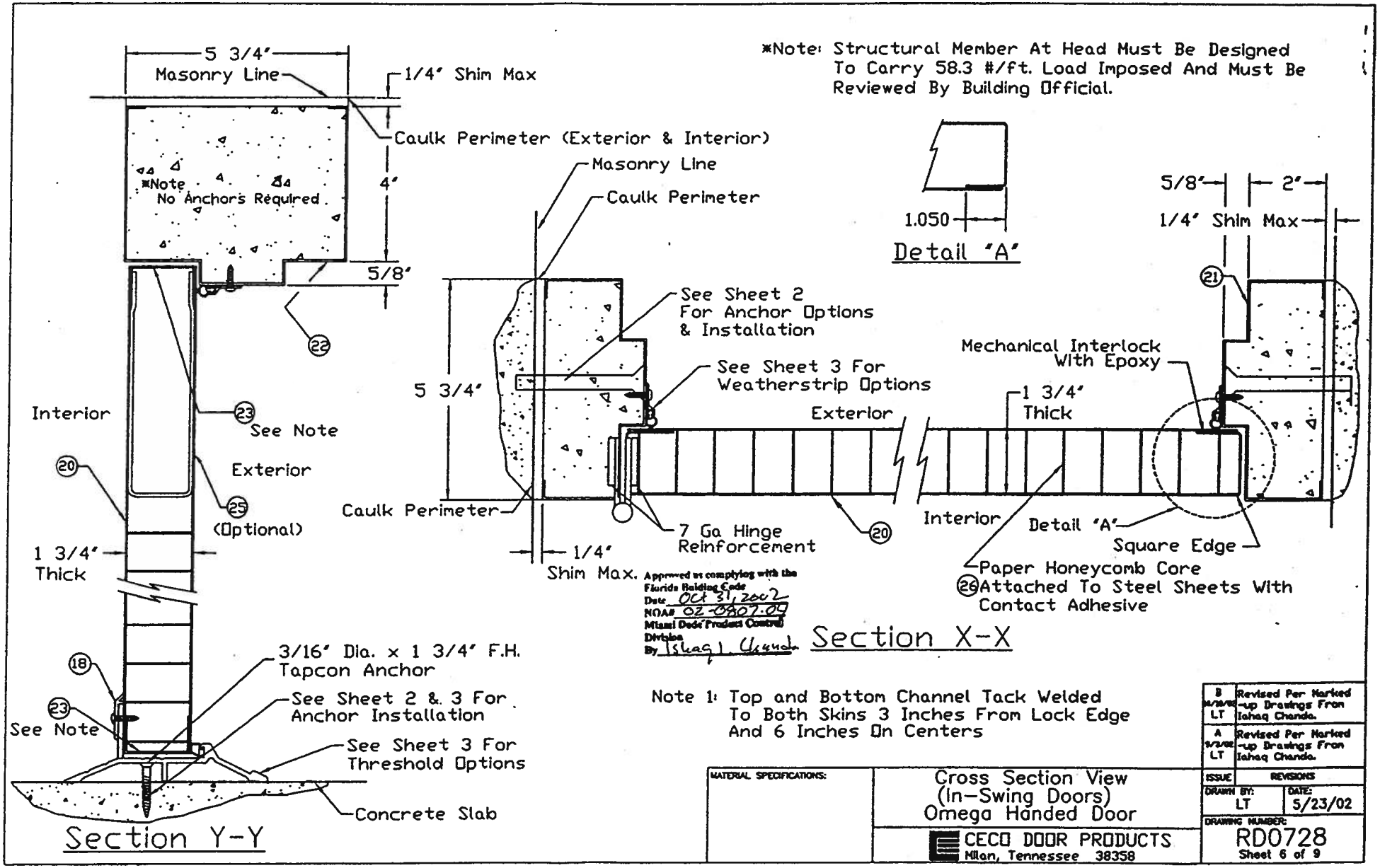
Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0307.04
Miami Dade Product Control Division
By Ishaq Chanda

ISSUE	REVISIONS
C 10/31/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
B 8/28/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:	Cross Section View (Inswing Doors) Regent Handed Door
	CECO DOOR PRODUCTS Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 5 of 9



Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0807.09
Miami Dade Product Control Division
By Ishaq I. Chanda

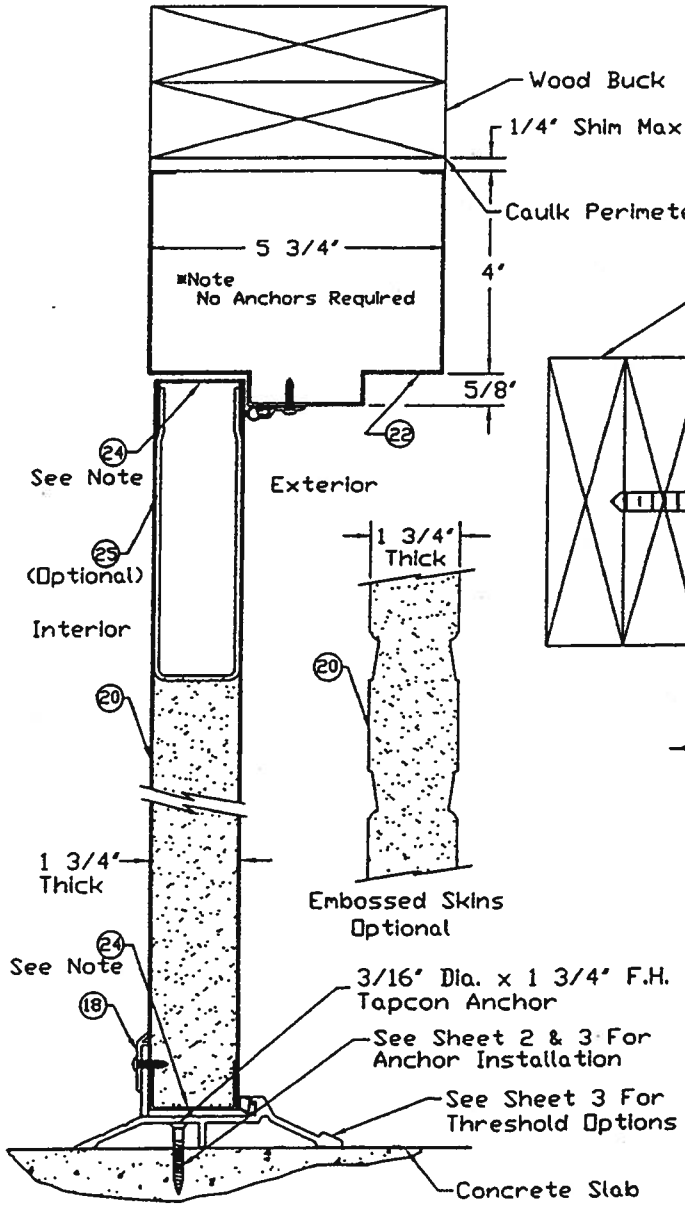
Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

B 9/30/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.
A 9/3/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02
DRAWING NUMBER: RD0728 Sheet 6 of 9	

MATERIAL SPECIFICATIONS:

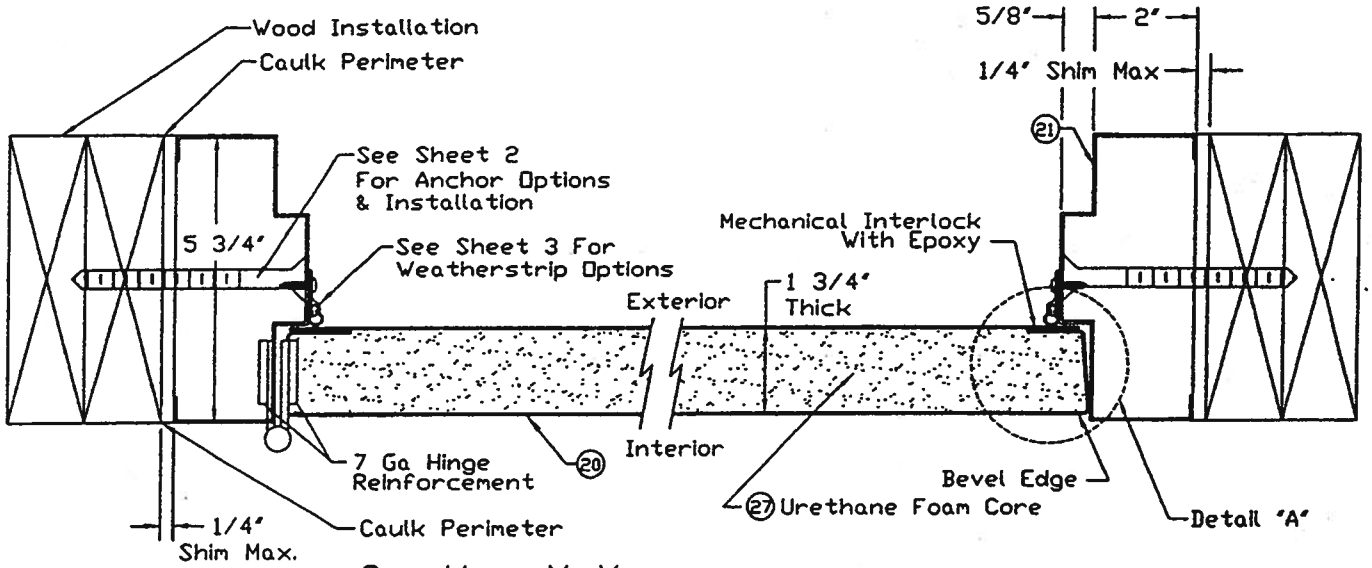
Cross Section View
(In-Swing Doors)
Omega Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358



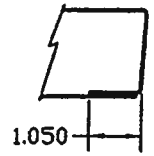
Section Y-Y

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 I. Chanda

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

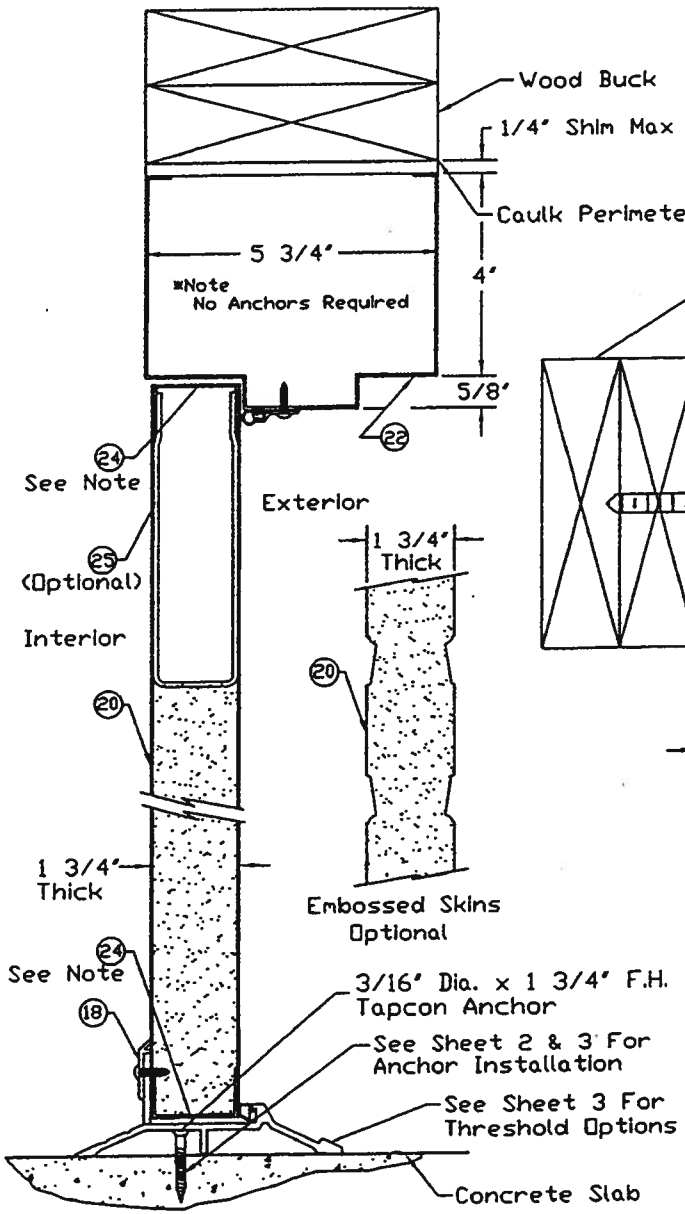
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02

DRAWING NUMBER: RD0728
Sheet 7 of 9

MATERIAL SPECIFICATIONS:

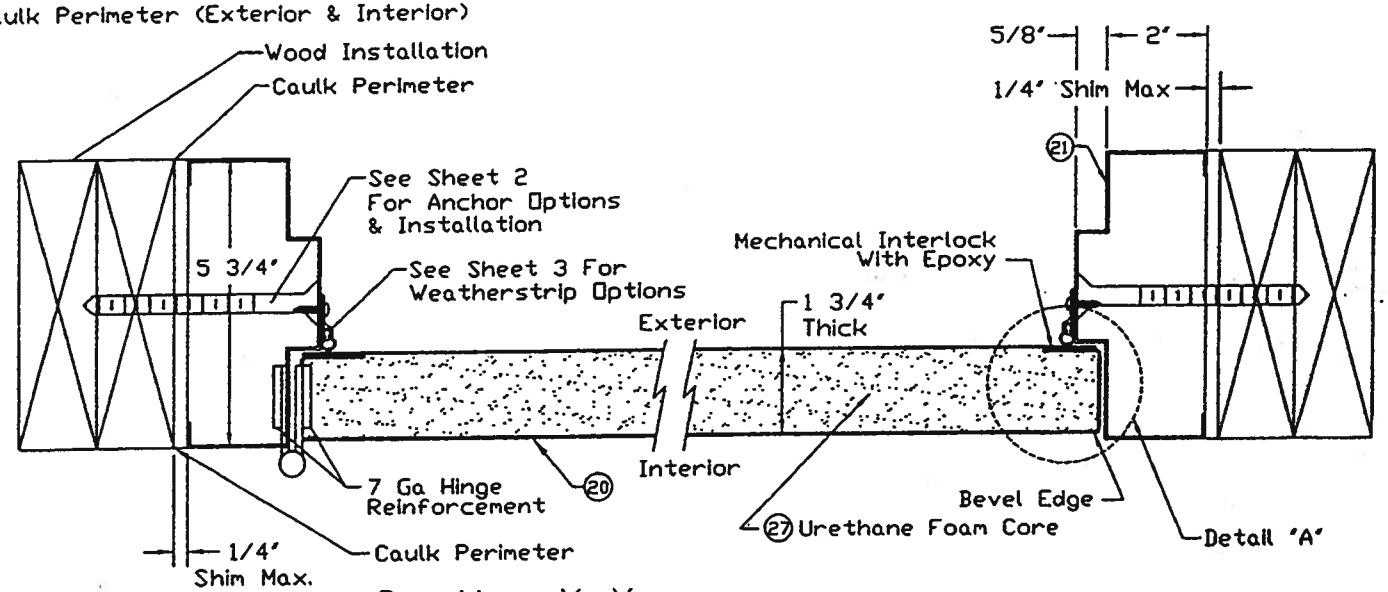
Cross Section View
(In-Swing Doors)
Imperial Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358



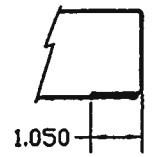
Section Y-Y

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# 02-0807.04
Miami Dade Product Control Division
By: Ishaq I. Chanda

B 9/4/02 LT	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. Ramset/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/ft^3 Density

Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0507.04
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

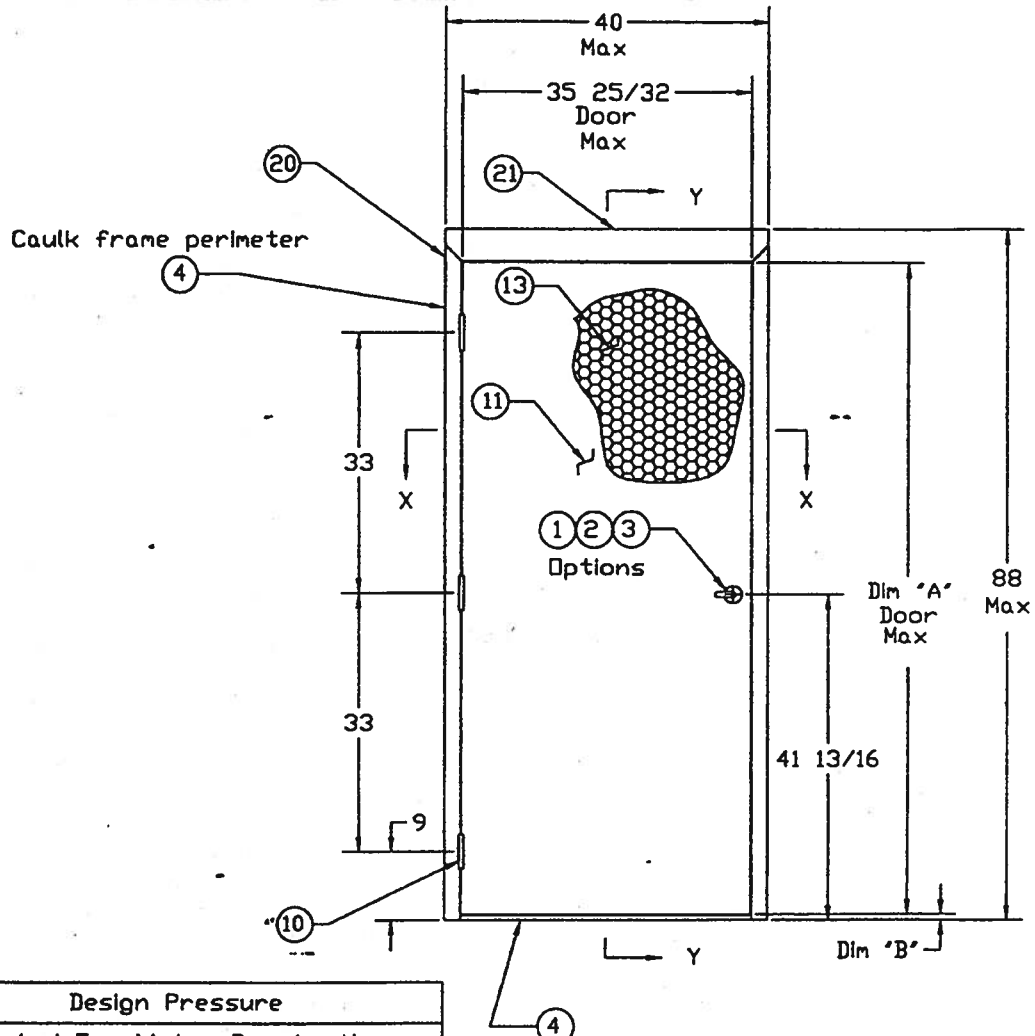
LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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.**



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 Aug 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE Sept 08, 2003
BY Manuel Perez
PRODUCT CONTROL DIV.S OF 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:

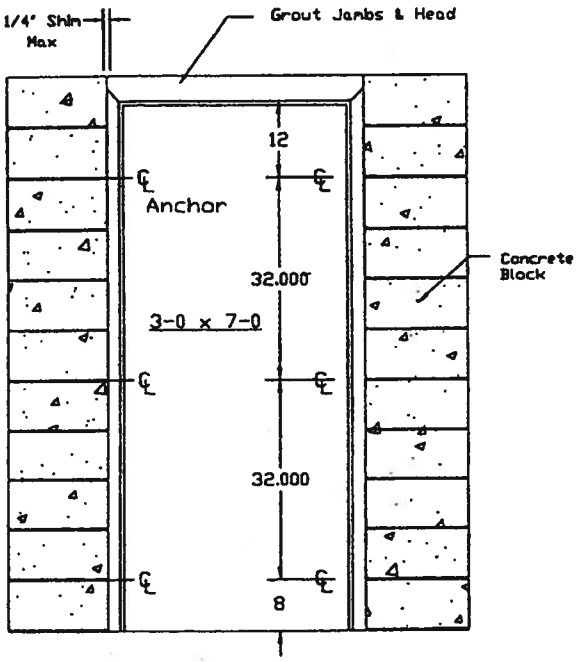
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series Elevation Drawing

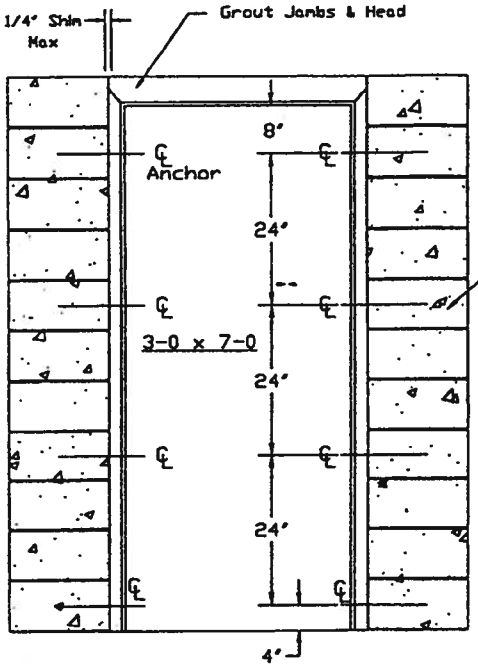
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

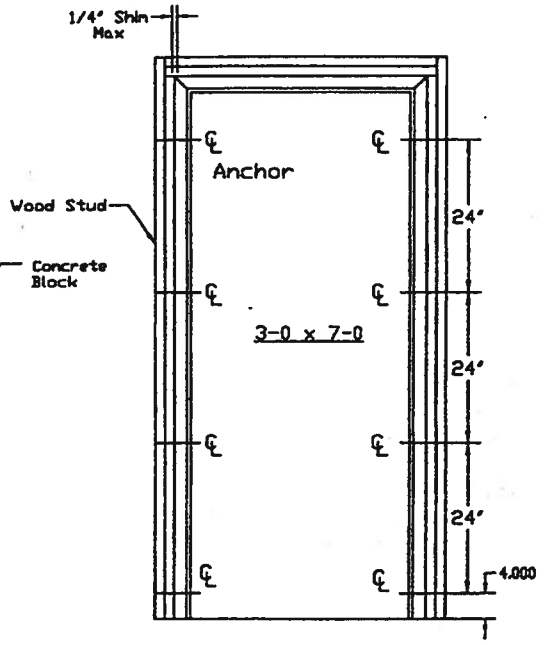
DRAWING NUMBER:
RD0087
Sheet 1 Of 7



Masonry "T" Anchor

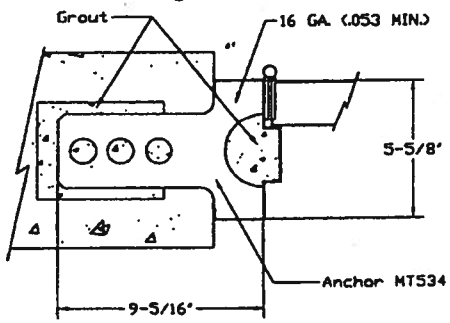


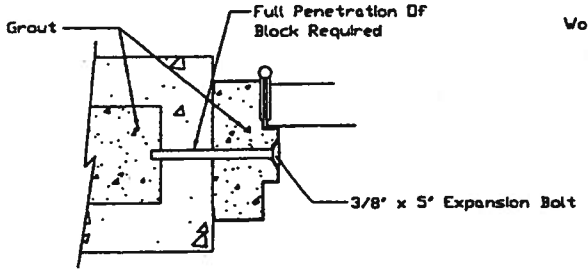
Existing Opening Anchor Into Block

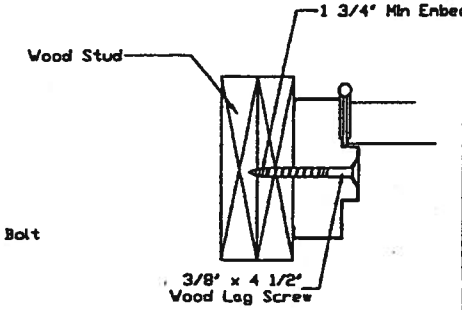


Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Dec. 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

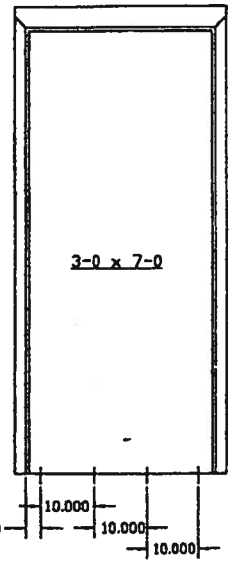
MATERIAL SPECIFICATIONS:

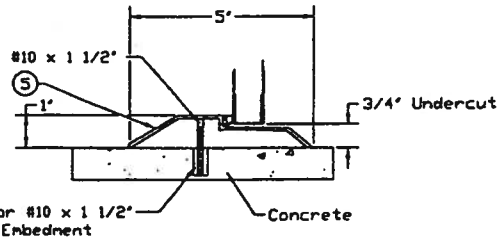
Frame Anchor Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

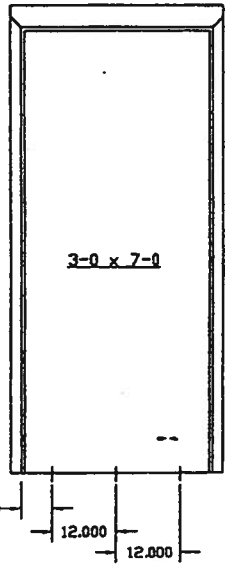
ISSUE	REVISIONS
B 2/24/00 JAH	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

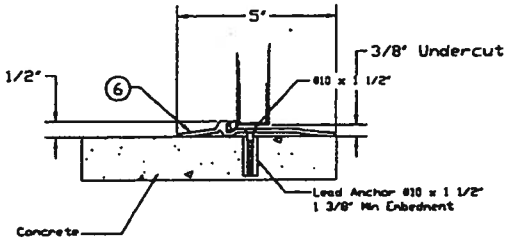
DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 2 of 7



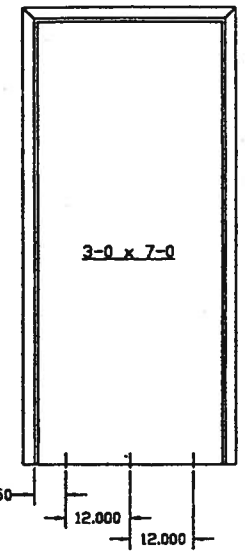


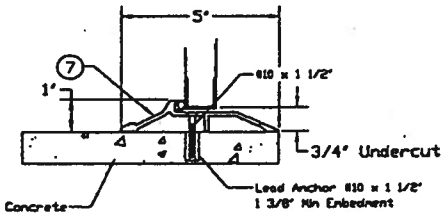
Threshold: National Guard 803S





Threshold: Penko 2005AV

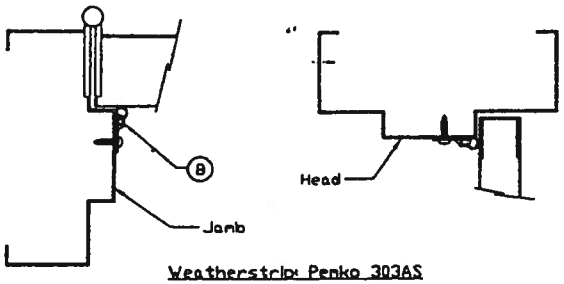




Threshold: Penko 181AV

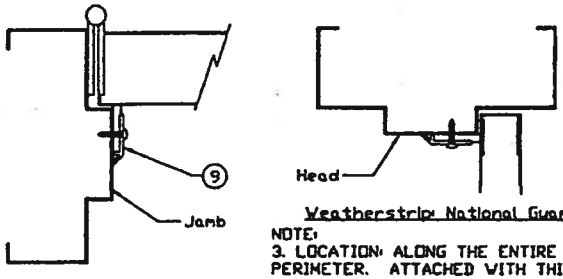
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date: Aug. 16, 2008
By: Manuel Perez
Miami-Dade Product Control Division



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

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

MATERIAL SPECIFICATIONS:

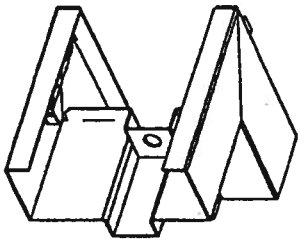
Threshold & Weatherstrip Installation details

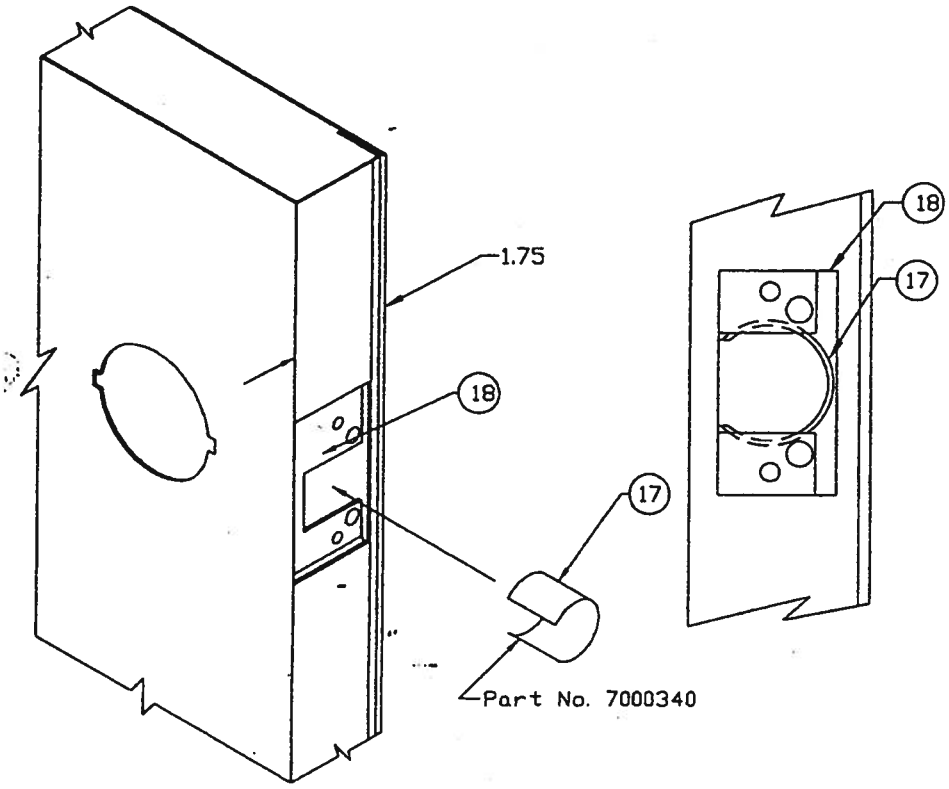
CECO DOOR PRODUCTS
Milan, Tennessee 38358

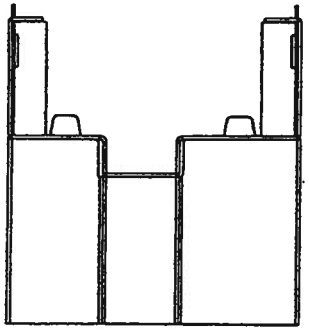
ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

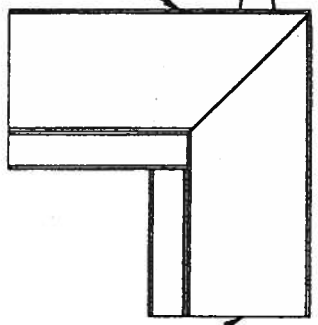
DRAWN BY: GWS | DATE: 5/30/97

RD0087
Sheet 3 Of 7









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

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

ISSUE	REVISIONS
B 2/14/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

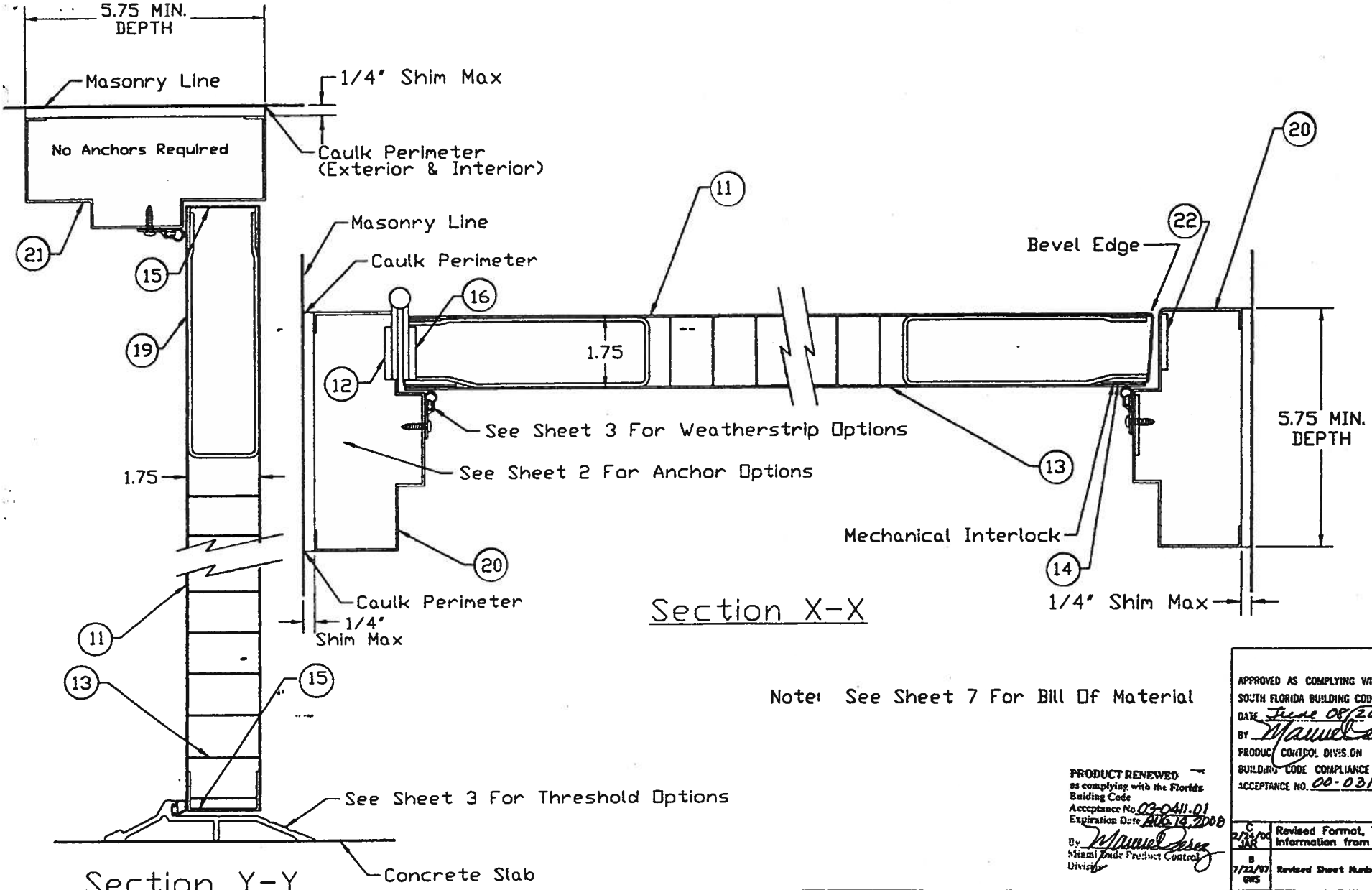
MATERIAL SPECIFICATIONS:

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

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

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

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

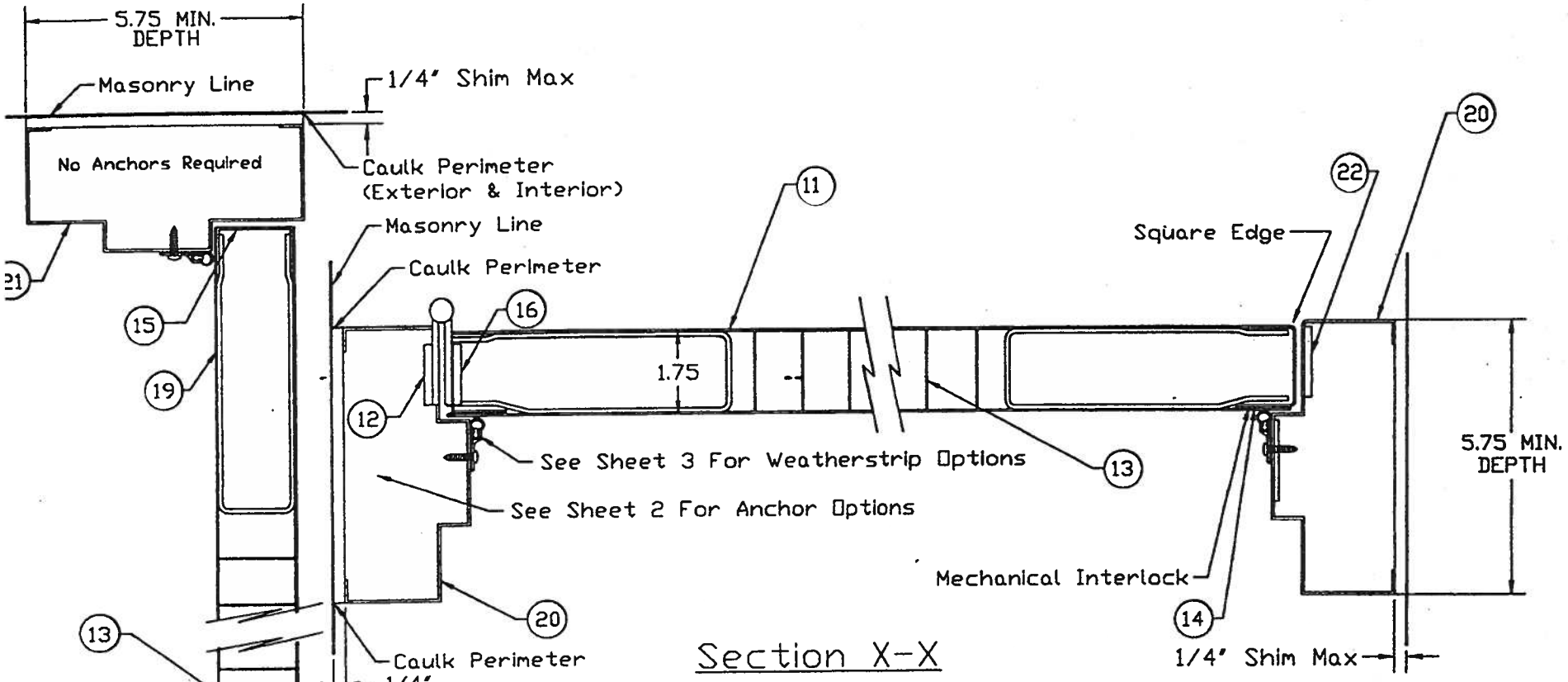
DRAWN BY: GWS DATE: 5/30/97

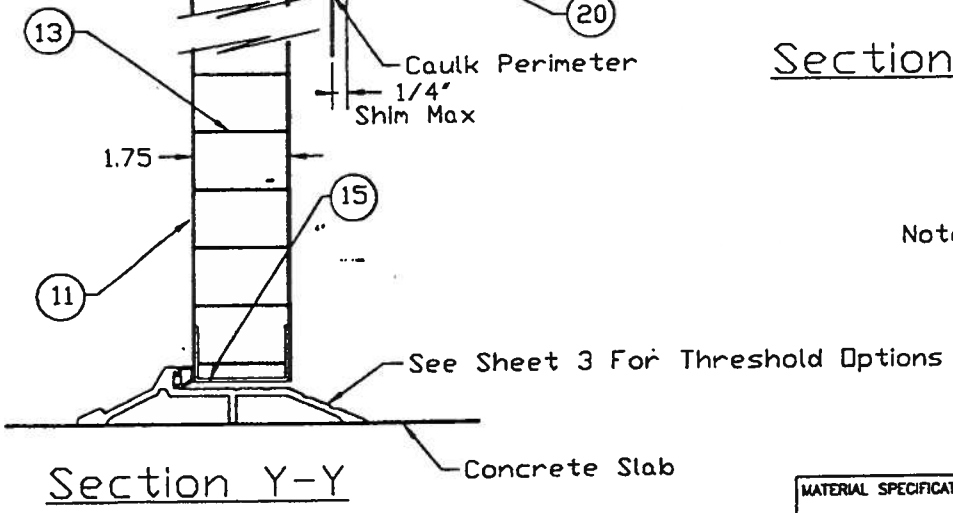
MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWING NUMBER: RD0087





Note: See Sheet 7 For Bill Of Material

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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 06, 2000
BY: Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

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

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 psD	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 psD	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 psD	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: 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
B 2/24/00 JAR	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

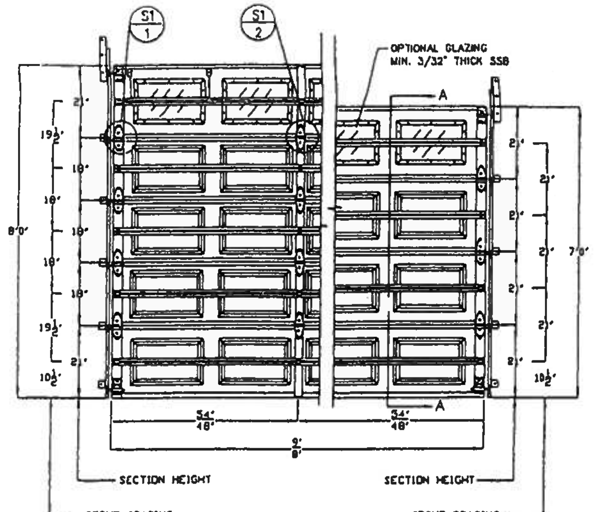
3-0 x 7-0 Series Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

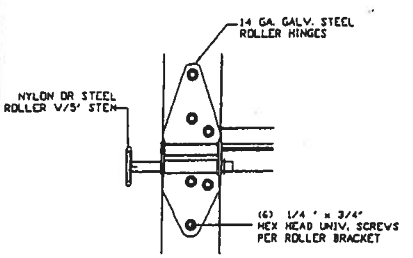
DRAWN BY: GWS | DATE: 6/02/97

DRAWING NUMBER: RD0087

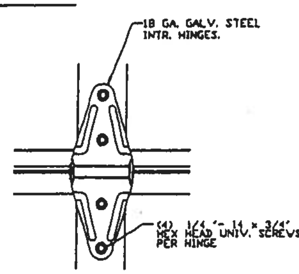
Sheet 7 of 7



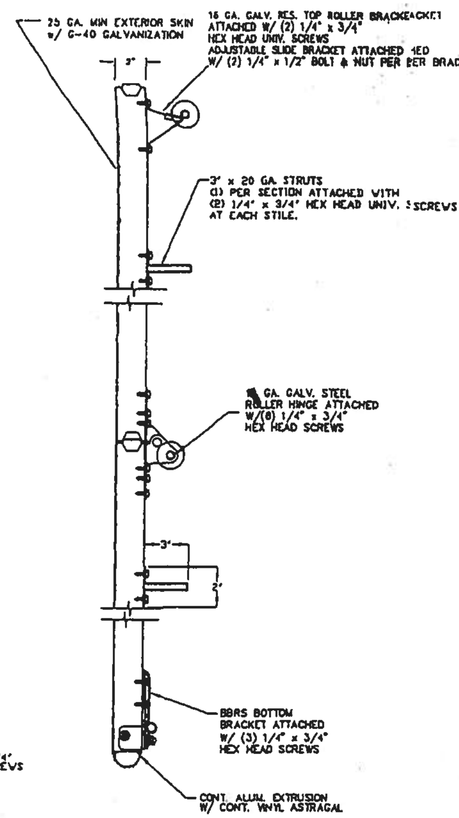
INSIDE ELEVATION



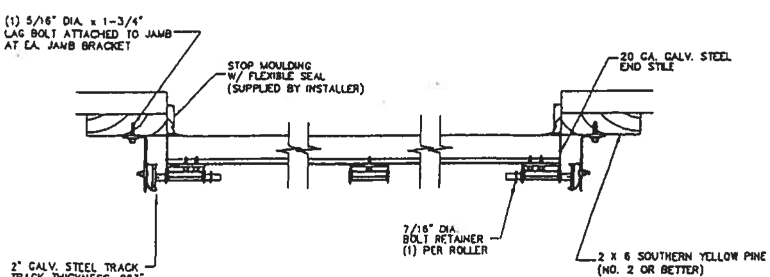
TYP. ROLLER BRACKET (S1/1)
N.T.S.



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



SECTION A–A (SIDE VIEW)



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 6" FROM ENDS THEN 24" O.C.

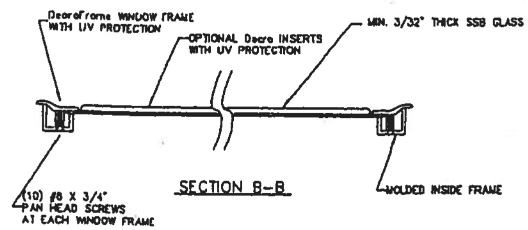
VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" 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.

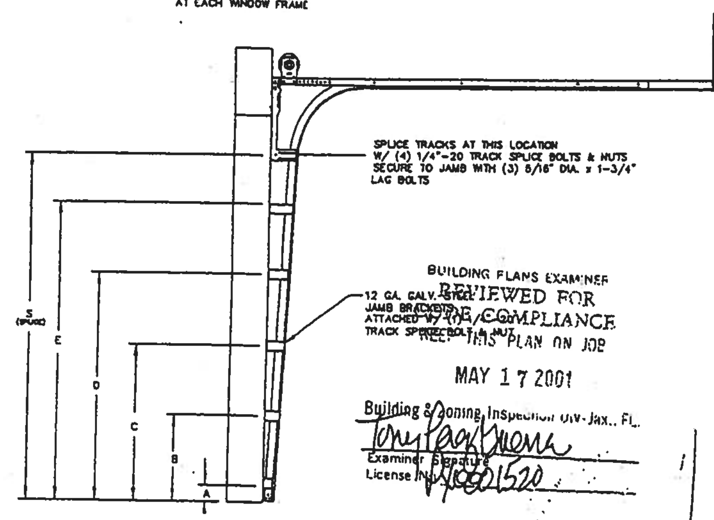
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

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 9' X 7' AND 9' X 8' MODEL 600 AND 950 DOORS.



SECTION B–B



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

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.
4/19/07

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. (.019") 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

MAX SIZE
9' x 8'

DESIGN LOADS
+28.7 PSF
-31.3 PSF

TEST LOADS
+43.0 PSF
-46.9 PSF

Amarr GARAGE DOORS

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

REV. 8
DRAWING NUMBER SBC-580-007-J
SCALE: NOT TO SCALE
SHEET 1 OF 1

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

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.

2492

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB108476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Trent Geibieg Company Phone No. 397-0545

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Geibieg Residence
697 SE Holly Ter.
Lake City, FL 32025

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 3/21/06
Brand Name of Product(s) Used Termidor
EPA Registration No.
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 4076 Linear ft. 410 Linear ft. of Masonry Voids 410
Approximate Total Gallons of Solution Applied 900 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) S. Gregory 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 Shannon Gregory Date 3/21/06

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 21-4S-17-08631-002

Building permit No. 000024192

Use Classification SFD & UTILITY

Fire: 16.52

Permit Holder TRENT GIEBEIG

Waste: 24.50

Owner of Building TRENT GIEBEIG

Total: 41.02

Location: 697 SE HOLLY TERR, LAKE CITY, FL

Date: 08/02/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Project Information for:	L149765		
Builder:	GIEBEIG HOMES	Date:	2/8/2006
Lot:	N/A	Start Number:	**1928**
Subdivision:	832 HOLLY TERRACE		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	14		

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

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

Note: See individual truss drawings for special loading conditions

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

NORRIS, JOHN DAVID RG 0066597
Address: 351 NW CORWIN GLN
LAKE CITY, FL. 32025 Designer: **94**

FEB 0 8 2006

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

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	PB01	0208061928	2/8/2006				
2	PB01G	0208061929	2/8/2006				
3	PB02	0208061930	2/8/2006				
4	PB02G	0208061931	2/8/2006				
5	T01	0208061932	2/8/2006				
6	T01G	0208061933	2/8/2006				
7	T01G	0208061934	2/8/2006				
8	T02	0208061935	2/8/2006				
9	T02G	0208061936	2/8/2006				
10	T02G	0208061937	2/8/2006				
11	T03	0208061938	2/8/2006				
12	T04	0208061939	2/8/2006				
13	T04G	0208061940	2/8/2006				
14	T04G	0208061941	2/8/2006				

MyFlorida.com

Log On

DBPR Home | Online Services Home | Help | Site Map

Public Services

- Search for a Licensee
- Apply for a License
- View Application Status
- Apply to Retake Exam
- Find Exam Information
- Find a CE Course
- File a Complaint
- AB&T Delinquent Invoice & Activity List Search

User Services

- Renew a License
- Change License Status
- Maintain Account
- Change My Address
- View Messages
- Change My PIN
- View Continuing Ed

- Term Glossary
- Online Help

07:05:33 AM

Licensee Details

Licensee Information

Name:	**NORRIS, JOHN DAVID** (Primary Name)
	INDIVIDUAL (Alternate Name)
Main Address:	**351 NW CORWIN GLN** **LAKE CITY, Florida 32055**
Lic. Location:	**WOODGLEN DRIVE** **LAKE CITY, FL 32055** **Columbia**

License Information

License Type:	**Registered General Contractor**
Rank:	**Reg General**
License Number:	**RG0066597**
Status:	**Current, Active**
Licensure Date:	**06/20/1996**
Expires:	**08/31/2005**

Special Qualifications	Effective Date
Bldg Code Core Course Credit	
No Qualified Business License Required	02/20/2004

View Related License Information

View License Complaint

New Search

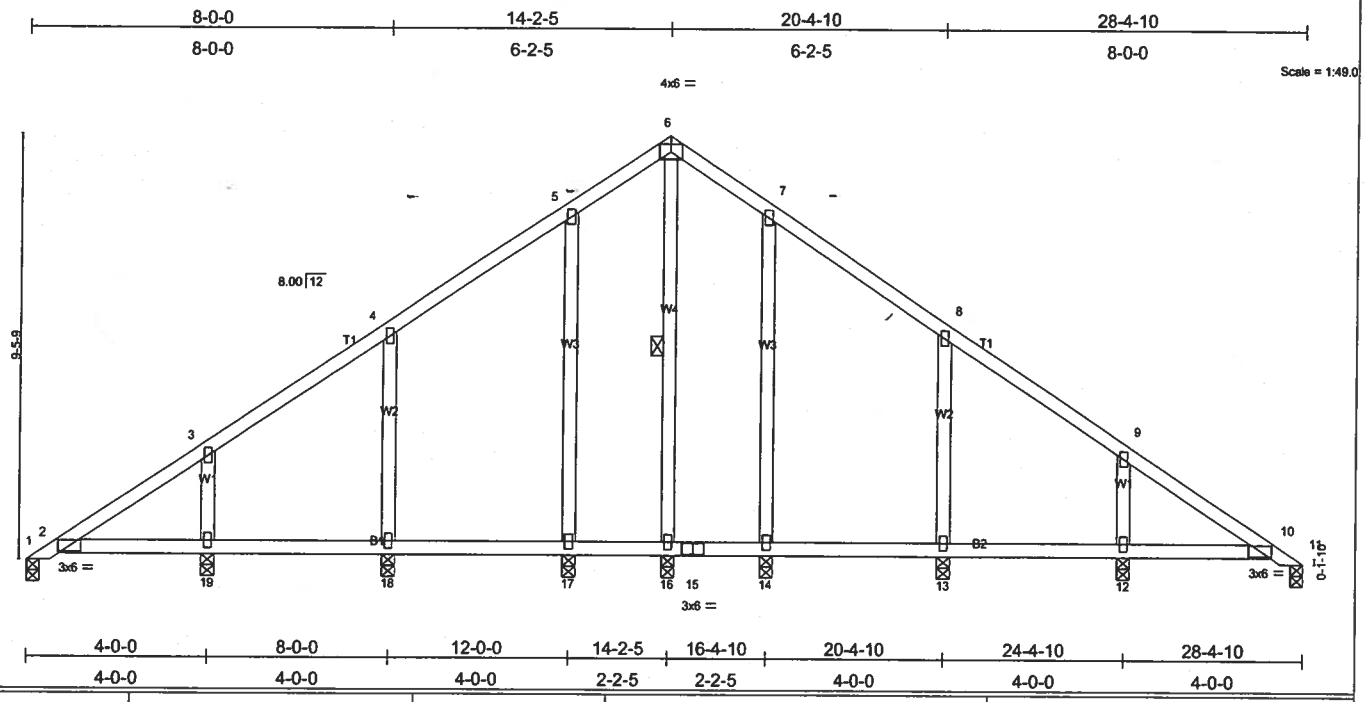
| Terms of Use | | Privacy Statement |

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061928

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	PB01	PIGGYBACK	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:06 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	0.16	Vert(LL)	0.01	2-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-19	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 145 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.
WEBS 1 Row at midpt 6-16

REACTIONS (lb/size) 1=86/0-3-8, 11=86/0-3-8, 18=339/0-3-8, 16=185/0-3-8, 13=339/0-3-8, 19=360/0-3-8, 17=291/0-3-8, 14=291/0-3-8, 12=360/0-3-8
Max Horz 1=-325(load case 3)
Max Uplift1=-106(load case 3), 18=-218(load case 5), 13=-221(load case 6), 19=-210(load case 5), 17=-167(load case 5), 14=-163(load case 6), 12=-199(load case 6)
Max Grav 1=144(load case 4), 11=93(load case 10), 18=339(load case 1), 16=230(load case 6), 13=339(load case 1), 19=362(load case 9), 17=292(load case 9), 14=292(load case 10), 12=362(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-353/339, 2-3=-295/228, 3-4=-199/208, 4-5=-97/197, 5-6=-10/260, 6-7=0/253, 7-8=-10/144, 8-9=-39/128, 9-10=-169/132, 10-11=-45/2
BOT CHORD 2-19=-57/197, 18-19=-57/197, 17-18=-57/197, 16-17=-57/197, 15-16=-57/197, 14-15=-57/197, 13-14=-57/197, 12-13=-57/197, 10-12=-57/197
WEBS 4-18=-221/245, 6-16=-222/2, 8-13=-221/247, 3-19=-222/222, 5-17=-187/186, 7-14=-187/183, 9-12=-222/216

JOINT STRESS INDEX
2 = 0.25, 3 = 0.34, 4 = 0.34, 5 = 0.34, 6 = 0.28, 7 = 0.34, 8 = 0.34, 9 = 0.34, 10 = 0.25, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.15, 16 = 0.34, 17 = 0.34, 18 = 0.34 and 19 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 11 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 106 lb uplift at joint 1, 218 lb uplift at joint 18, 221 lb uplift at joint 13, 210 lb uplift at joint 19, 167 lb uplift at joint 17, 163 lb uplift at joint 14 and 199 lb uplift at joint 12.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

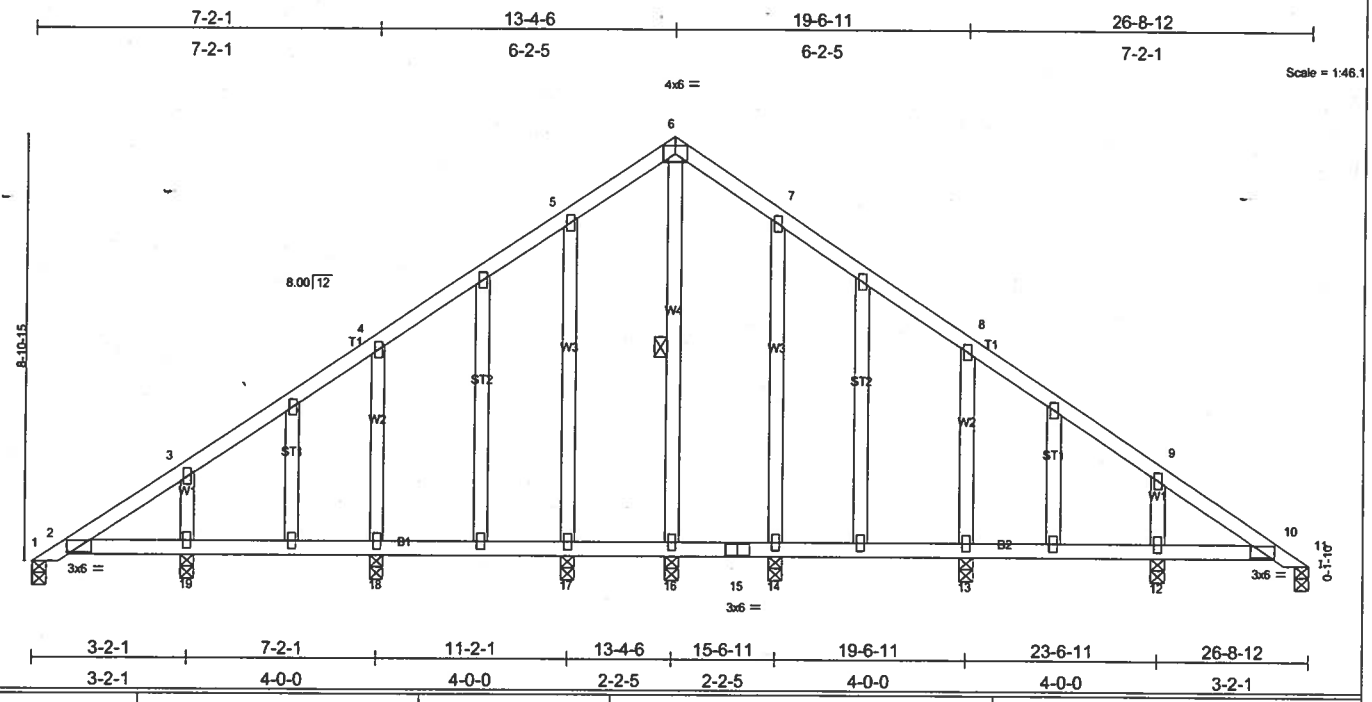
LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061929

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	PB01G	PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:07 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	0.13	Vert(LL)	-0.00	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 159 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-16

REACTIONS (lb/size) 1=73/0-3-8, 18=350/0-3-8, 16=141/0-3-8, 13=350/0-3-8, 19=320/0-3-8, 17=285/0-3-8, 14=285/0-3-8, 12=320/0-3-8, 11=73/0-3-8
Max Horz 1=-306(load case 3)
Max Uplift1=-109(load case 3), 18=-224(load case 5), 13=-227(load case 6), 19=-182(load case 5), 17=-165(load case 5), 14=-162(load case 6), 12=-169(load case 6), 11=-2(load case 4)
Max Grav 1=145(load case 4), 18=350(load case 1), 16=227(load case 6), 13=350(load case 1), 19=321(load case 9), 17=286(load case 9), 14=286(load case 10), 12=321(load case 10), 11=75(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-337/324, 2-3=-282/212, 3-4=-196/195, 4-5=-93/184, 5-6=-27/257, 6-7=-27/250, 7-8=-45/145, 8-9=-54/85, 9-10=-159/77, 10-11=-36/6
BOT CHORD 2-19=-49/175, 18-19=-49/175, 17-18=-49/175, 16-17=-49/175, 15-16=-49/175, 14-15=-49/175, 13-14=-49/175, 12-13=-49/175, 10-12=-49/175
WEBS 4-18=-227/250, 6-16=-219/0, 8-13=-227/251, 3-19=-199/201, 5-17=-183/185, 7-14=-183/183, 9-12=-199/195

JOINT STRESS INDEX
2 = 0.24, 3 = 0.34, 4 = 0.34, 5 = 0.34, 6 = 0.28, 7 = 0.34, 8 = 0.34, 9 = 0.34, 10 = 0.24, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.15, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34 and 27 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 1, 224 lb uplift at joint 18, 227 lb uplift at joint 13, 182 lb uplift at joint 19, 165 lb uplift at joint 17, 162 lb uplift at joint 14, 169 lb uplift at joint 12 and 2 lb uplift at joint 11.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

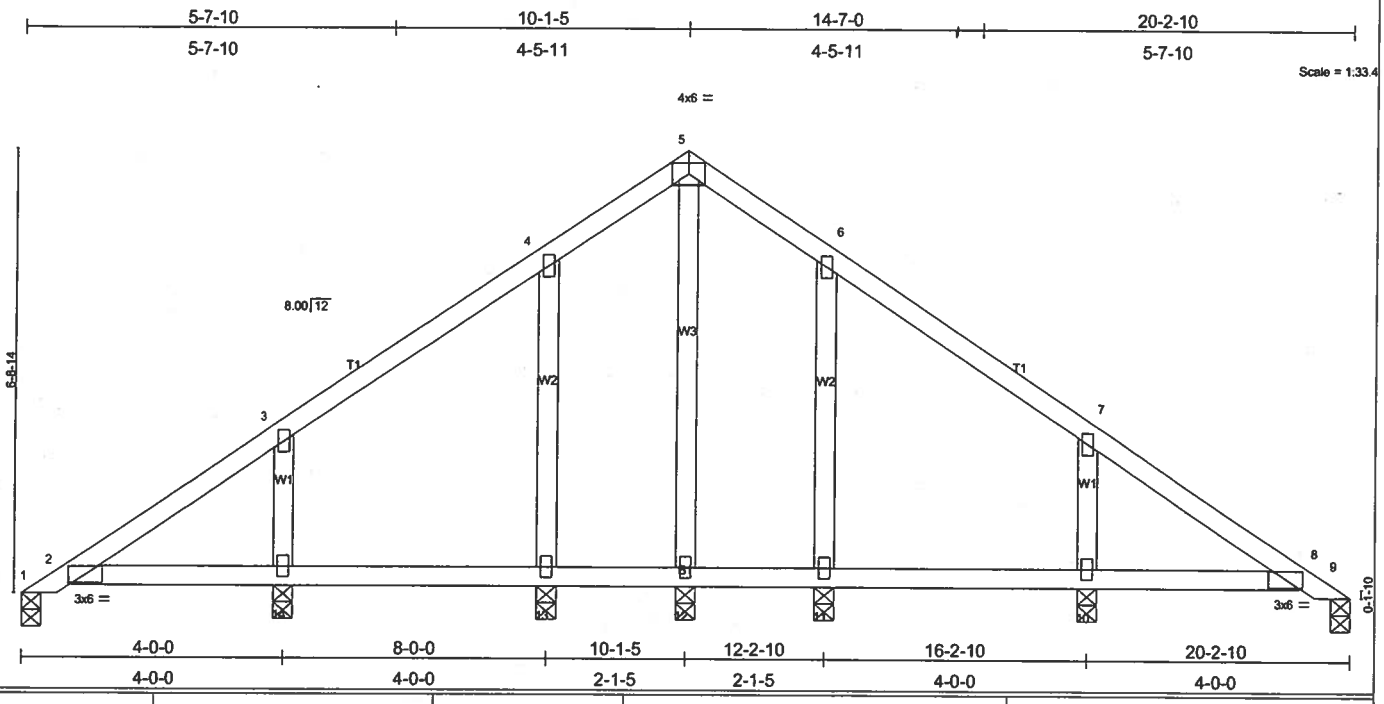
LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061930

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	PB02	PIGGYBACK	22	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:08 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	0.17	Vert(LL)	0.01	2-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
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=74/0-3-8, 12=204/0-3-8, 14=370/0-3-8, 13=280/0-3-8, 11=280/0-3-8, 10=370/0-3-8, 9=74/0-3-8
Max Horz 1=-231(load case 3)
Max Uplift1=-69(load case 3), 12=-3(load case 4), 14=-223(load case 5), 13=-170(load case 5), 11=-171(load case 6), 10=-216(load case 6)
Max Grav 1=92(load case 4), 12=204(load case 1), 14=373(load case 9), 13=280(load case 1), 11=280(load case 1), 10=373(load case 10), 9=83(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-245/239, 2-3=-203/168, 3-4=-104/149, 4-5=-17/172, 5-6=-1/166, 6-7=0/146, 7-8=-115/154, 8-9=-40/2
BOT CHORD 2-14=-75/150, 13-14=-75/150, 12-13=-75/150, 11-12=-75/150, 10-11=-75/150, 8-10=-75/150
WEBS 5-12=-164/9, 3-14=-230/235, 4-13=-184/195, 6-11=-184/194, 7-10=-230/232

JOINT STRESS INDEX
2 = 0.24, 3 = 0.34, 4 = 0.34, 5 = 0.28, 6 = 0.34, 7 = 0.34, 8 = 0.24, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34 and 14 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 9 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 69 lb uplift at joint 1, 3 lb uplift at joint 12, 223 lb uplift at joint 14, 170 lb uplift at joint 13, 171 lb uplift at joint 11 and 216 lb uplift at joint 10.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

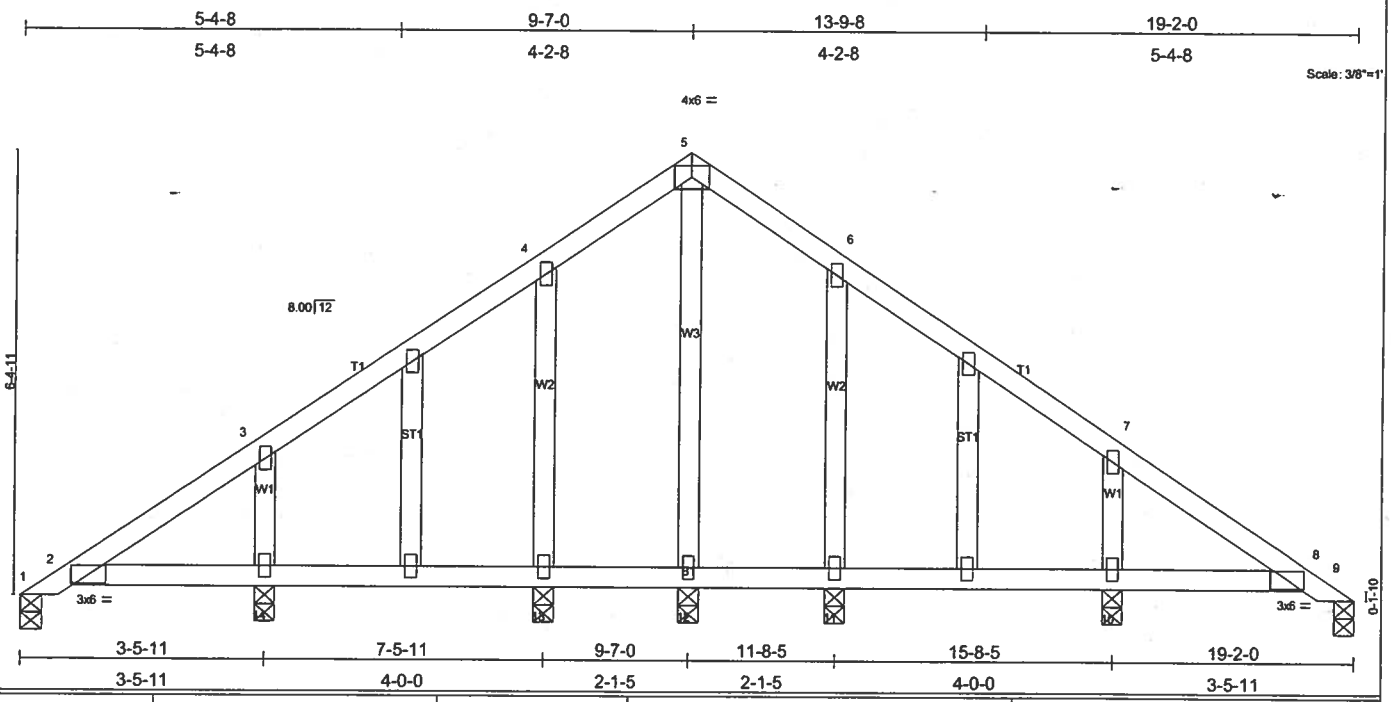
LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061931

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	PB02G	PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:08 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 lb	

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

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

REACTIONS (lb/size) 1=70/0-3-8, 12=157/0-3-8, 14=345/0-3-8, 13=288/0-3-8, 11=288/0-3-8, 10=345/0-3-8, 9=70/0-3-8
Max Horz 1=218(load case 4)
Max Uplift1=-70(load case 3), 14=-207(load case 5), 13=-176(load case 5), 11=-176(load case 6), 10=-199(load case 6)
Max Grav 1=92(load case 4), 12=157(load case 1), 14=346(load case 9), 13=288(load case 9), 11=288(load case 10), 10=346(load case 10), 9=75(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-235/229, 2-3=-194/159, 3-4=-102/142, 4-5=-14/176, 5-6=-6/170, 6-7=-22/110, 7-8=-104/111, 8-9=-36/3
BOT CHORD 2-14=-44/131, 13-14=-44/131, 12-13=-44/131, 11-12=-44/131, 10-11=-44/131, 8-10=-44/131
WEBS 5-12=-146/5, 3-14=-215/222, 4-13=-187/199, 6-11=-187/198, 7-10=-215/219

JOINT STRESS INDEX
2 = 0.24, 3 = 0.34, 4 = 0.34, 5 = 0.28, 6 = 0.34, 7 = 0.34, 8 = 0.24, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34 and 18 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 1, 207 lb uplift at joint 14, 176 lb uplift at joint 13, 176 lb uplift at joint 11 and 199 lb uplift at joint 10.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

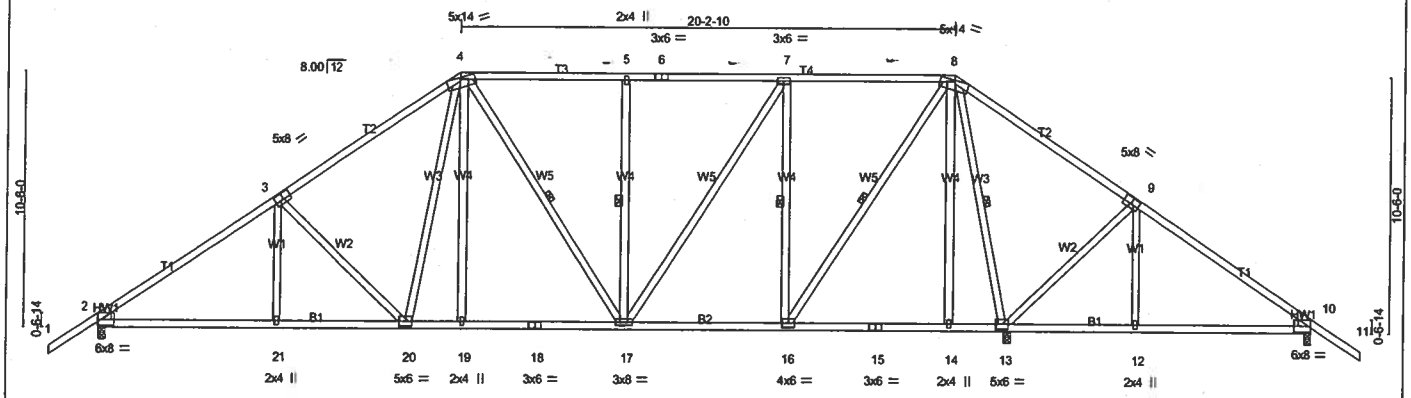
Dwg.#0208061932

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T01	HIP	11	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:09 2006 Page 1

2-0-0	7-4-0	14-10-11	21-8-2	28-3-14	35-1-5	42-8-0	50-0-0	52-0-0
2-0-0	7-4-0	7-6-11	6-9-7	6-7-11	6-9-7	7-6-11	7-4-0	2-0-0

Scale = 1:90.5



7-5-15	12-7-12	14-10-11	21-8-2	28-3-14	35-1-5	37-4-4	42-6-1	50-0-0
7-5-15	5-1-13	2-2-15	6-9-7	6-7-11	6-9-7	2-2-15	5-1-13	7-5-15

Plate Offsets (X,Y): [2:0-1-3,0-2-13], [3:0-4-0,0-3-0], [9:0-4-0,0-3-0], [10:0-1-1,0-2-14], [20:0-1-10,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.14	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.23	17-19	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.06	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 344 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 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-17, 5-17, 7-16, 8-16, 8-13

REACTIONS (lb/size) 2=1580/0-3-8, 13=2448/0-3-8, 10=379/0-3-8
Max Horz 2=360(load case 4)
Max Uplift2=-563(load case 5), 13=-841(load case 3), 10=-407(load case 6)
Max Grav 2=1589(load case 9), 13=2448(load case 1), 10=429(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-2181/752, 3-4=-1722/743, 4-5=-1216/650, 5-6=-1216/650, 6-7=-1216/650, 7-8=-822/496, 8-9=-162/591, 9-10=-189/207, 10-11=0/52
BOT CHORD 2-21=-732/1692, 20-21=-732/1692, 19-20=-569/1252, 18-19=-568/1255, 17-18=-568/1255, 16-17=-405/822, 15-16=-36/328, 14-15=-36/328, 13-14=-37/327, 12-13=-139/80, 10-12=-139/80
WEBS 3-21=0/229, 3-20=-492/344, 4-20=-217/408, 4-19=0/162, 4-17=-282/130, 5-17=-382/337, 7-17=-302/740, 7-16=-988/592, 8-16=-667/1441, 8-14=0/119, 8-13=-2001/697, 9-13=-552/587, 9-12=-255/221

JOINT STRESS INDEX
2 = 0.67, 2 = 0.00, 3 = 0.61, 4 = 0.52, 5 = 0.34, 6 = 0.24, 7 = 0.57, 8 = 0.59, 9 = 0.69, 10 = 0.35, 10 = 0.00, 12 = 0.34, 13 = 0.36, 14 = 0.34, 15 = 0.29, 16 = 0.76, 17 = 0.78, 18 = 0.56, 19 = 0.34, 20 = 0.22 and 21 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All 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 563 lb uplift at joint 2, 841 lb uplift at joint 13 and 407 lb uplift at joint 10.

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061933

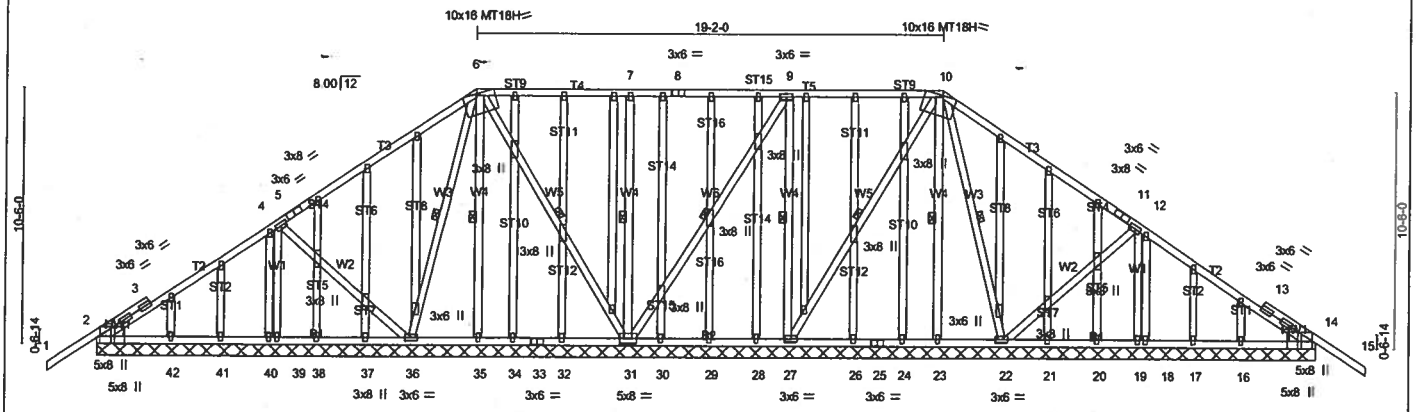
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T01G	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:11 2006 Page 1

2-0-0 | 7-4-0 | 15-5-0 | 21-8-2 | 28-3-14 | 34-7-0 | 42-8-0 | 50-0-0 | 52-0-0

2-0-0 | 7-4-0 | 8-1-0 | 6-3-2 | 6-7-11 | 6-3-2 | 8-1-0 | 7-4-0 | 2-0-0

Scale = 1:90.5



7-5-15 | 12-7-12 | 15-5-0 | 21-8-2 | 28-3-14 | 34-7-0 | 37-4-4 | 42-6-1 | 50-0-0

7-5-15 | 5-1-13 | 2-9-4 | 6-3-2 | 6-7-11 | 6-3-2 | 2-9-4 | 5-1-13 | 7-5-15

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-3-8,Edge], [6:0-7-0,Edge], [10:0-7-0,Edge], [14:0-3-8,Edge], [14:0-3-8,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	0.92	Vert(LL)	0.01	14-15	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	0.02	14-15	n/r	90	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.02	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 565 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T4 2 X 4 SYP No.1D, T5 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-36, 6-35, 6-31, 7-31, 9-31, 9-27, 10-27, 10-23, 10-22

REACTIONS (lb/size) 39=721/50-0-0, 36=496/50-0-0, 35=434/50-0-0, 31=1216/50-0-0, 27=692/50-0-0, 23=432/50-0-0, 22=506/50-0-0, 19=776/50-0-0, 2=559/50-0-0, 14=586/50-0-0, 29=67/50-0-0, 30=40/50-0-0, 32=78/50-0-0, 34=37/50-0-0, 37=51/50-0-0, 38=61/50-0-0, 40=91/50-0-0, 41=-2/50-0-0, 42=224/50-0-0, 28=40/50-0-0, 26=78/50-0-0, 24=37/50-0-0, 21=51/50-0-0, 20=61/50-0-0, 18=92/50-0-0, 17=-2/50-0-0, 16=223/50-0-0
Max Horz 2=-354(load case 3)
Max Uplift39=-502(load case 5), 36=-321(load case 5), 35=-260(load case 4), 31=-964(load case 4), 27=-493(load case 4), 23=-205(load case 3), 22=-330(load case 6), 19=-518(load case 6), 2=-353(load case 5), 14=-414(load case 6), 40=-19(load case 4), 41=-2(load case 9), 42=-106(load case 6), 18=-22(load case 3), 17=-3(load case 10), 16=-107(load case 3)
Max Grav 39=726(load case 9), 36=497(load case 9), 35=435(load case 9), 31=1221(load case 9), 27=692(load case 1), 23=433(load case 10), 22=508(load case 10), 19=782(load case 10), 2=561(load case 9), 14=589(load case 10), 29=67(load case 1), 30=40(load case 10), 32=78(load case 10), 34=37(load case 9), 37=51(load case 10), 38=61(load case 9), 40=91(load case 9), 41=53(load case 4), 42=224(load case 9), 28=40(load case 9), 26=78(load case 9), 24=37(load case 10), 21=51(load case 9), 20=61(load case 10), 18=92(load case 10), 17=56(load case 3), 16=224(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-49/126, 2-3=-175/266, 3-4=-313/273, 4-5=-111/186, 5-6=-249/409, 6-7=-110/187, 7-8=-110/187, 8-9=-110/187, 9-10=0/230, 10-11=-162/319, 11-12=-203/237, 12-13=-87/225, 13-14=-212/126, 14-15=-49/126
BOT CHORD 2-42=-63/245, 41-42=-68/238, 40-41=-68/238, 39-40=-68/238, 38-39=-68/238, 37-38=-68/238, 36-37=-68/238, 35-36=-43/331, 34-35=-48/333, 33-34=-48/333, 32-33=-48/333, 31-32=-48/333, 30-31=-46/315, 29-30=-46/315, 28-29=-46/315, 27-28=-46/315, 26-27=-72/258, 25-26=-72/258, 24-25=-72/258, 23-24=-72/258, 22-23=-74/256, 21-22=-27/158, 20-21=-27/158, 19-20=-27/158, 18-19=-27/158, 17-18=-27/158, 16-17=-27/158, 14-16=-26/164
WEBS 4-39=-743/554, 4-36=-129/237, 6-36=-353/237, 6-35=-364/274, 6-31=-266/226, 7-31=-743/643, 9-31=-285/236, 9-27=-506/446, 10-27=-160/124, 10-23=-362/222, 10-22=-397/273, 12-22=-82/202, 12-19=-799/605

JOINT STRESS INDEX
2 = 0.81, 2 = 0.29, 3 = 0.00, 3 = 0.56, 3 = 0.56, 4 = 0.43, 5 = 0.73, 6 = 0.69, 7 = 0.37, 8 = 0.57, 9 = 0.43, 10 = 0.69, 11 = 0.70, 12 = 0.43, 13 = 0.00, 13 = 0.56, 13 = 0.56, 14 = 0.82, 14 = 0.29, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.35, 20 = 0.34, 21 = 0.34, 22 = 0.49, 23 = 0.34, 24 = 0.34, 25 = 0.15, 26 = 0.34, 27 = 0.44, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.28, 32 = 0.34, 33 = 0.15, 34 = 0.34, 35 = 0.34, 36 = 0.49, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.71, 44 = 0.34, 45 = 0.71, 46 = 0.34, 47 = 0.34, 48 = 0.34, 49 = 0.81, 50 = 0.34, 51 = 0.81, 52 = 0.34, 53 = 0.16, 54 = 0.34, 55 = 0.36, 56 = 0.34, 57 = 0.36, 58 = 0.34, 59 = 0.34, 60 = 0.34, 61 = 0.34, 62 = 0.34, 63 = 0.71, 64 = 0.34, 65 = 0.34, 66 = 0.34, 67 = 0.81, 68 = 0.34, 69 = 0.81, 70 = 0.16, 71 = 0.34, 72 = 0.34, 73 = 0.36, 74 = 0.34, 75 = 0.36, 76 = 0.34, 77 = 0.34 and 78 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.

Continued on page 2

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T01G	HIP	1	1	Job Reference (optional)

NOTES

8) Gable studs spaced at 2-0-0 oc.
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 502 lb uplift at joint 39, 321 lb uplift at joint 36, 260 lb uplift at joint 35, 964 lb uplift at joint 31, 493 lb uplift at joint 27, 205 lb uplift at joint 23, 330 lb uplift at joint 22, 518 lb uplift at joint 19, 353 lb uplift at joint 2, 414 lb uplift at joint 14, 19 lb uplift at joint 40, 2 lb uplift at joint 41, 106 lb uplift at joint 42, 22 lb uplift at joint 18, 3 lb uplift at joint 17 and 107 lb uplift at joint 16.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-114(F=-60), 6-10=-114(F=-60), 10-15=-114(F=-60), 2-14=-30

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061935

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T02	HIP	5	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:12 2006 Page 1

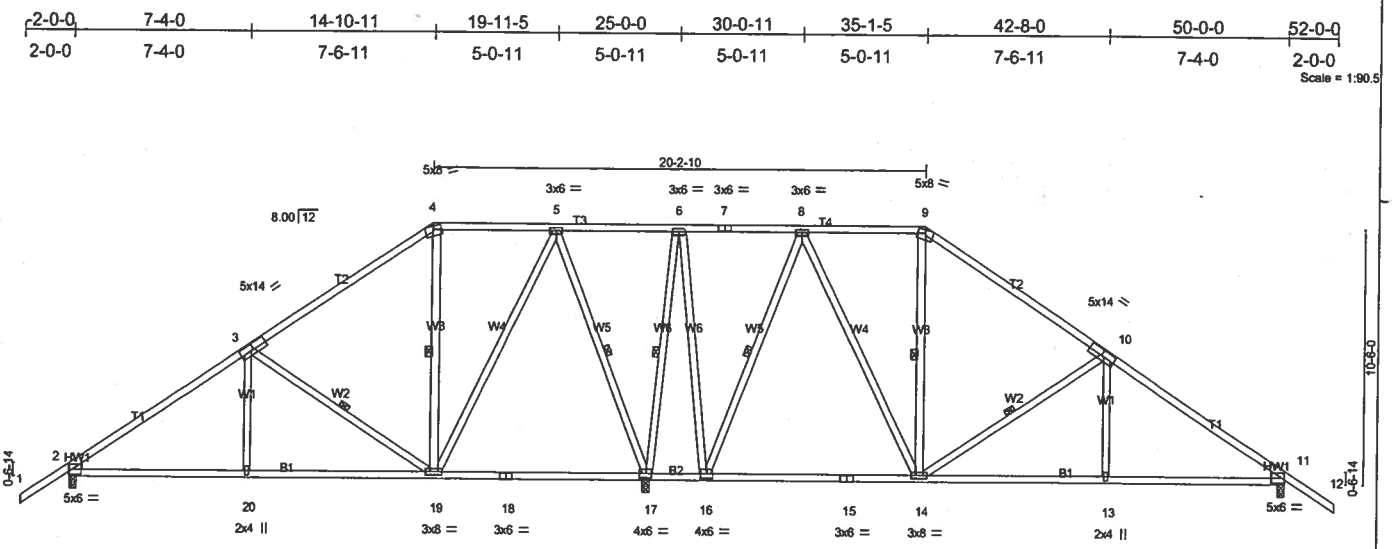


Plate Offsets (X,Y): [3:0-6-14,0-2-13], [10:0-6-14,0-2-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.15	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.26	14-16	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.04	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 331 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 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-19, 4-19, 5-17, 6-17, 8-16, 9-14, 10-14

REACTIONS (lb/size) 2=919/0-3-8, 17=2456/0-3-8, 11=1032/0-3-8
Max Horz 2=-360(load case 3)
Max Uplift2=-403(load case 5), 17=-729(load case 4), 11=-470(load case 6)
Max Grav 2=952(load case 9), 17=2456(load case 1), 11=1066(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-1093/383, 3-4=-519/316, 4-5=-331/352, 5-6=-42/441, 6-7=0/220, 7-8=0/220, 8-9=-499/411, 9-10=-719/386, 10-11=-1287/450, 11-12=0/52
BOT CHORD 2-20=-409/808, 19-20=-409/808, 18-19=-134/320, 17-18=-134/320, 16-17=-297/355, 15-16=-91/232, 14-15=-91/232, 13-14=-207/966, 11-13=-207/966
WEBS 3-20=0/241, 3-19=-574/370, 4-19=-160/121, 5-19=-280/808, 5-17=-1040/435, 6-17=-1299/515, 6-16=-297/1004, 8-16=-926/361, 8-14=-209/697, 9-14=-55/50, 10-14=-563/365, 10-13=0/237

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.64, 4 = 0.59, 5 = 0.69, 6 = 0.69, 7 = 0.23, 8 = 0.69, 9 = 0.59, 10 = 0.64, 11 = 0.58, 11 = 0.00, 13 = 0.34, 14 = 0.92, 15 = 0.34, 16 = 0.49, 17 = 0.49, 18 = 0.34, 19 = 0.92 and 20 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All 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 403 lb uplift at joint 2, 729 lb uplift at joint 17 and 470 lb uplift at joint 11.

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061936

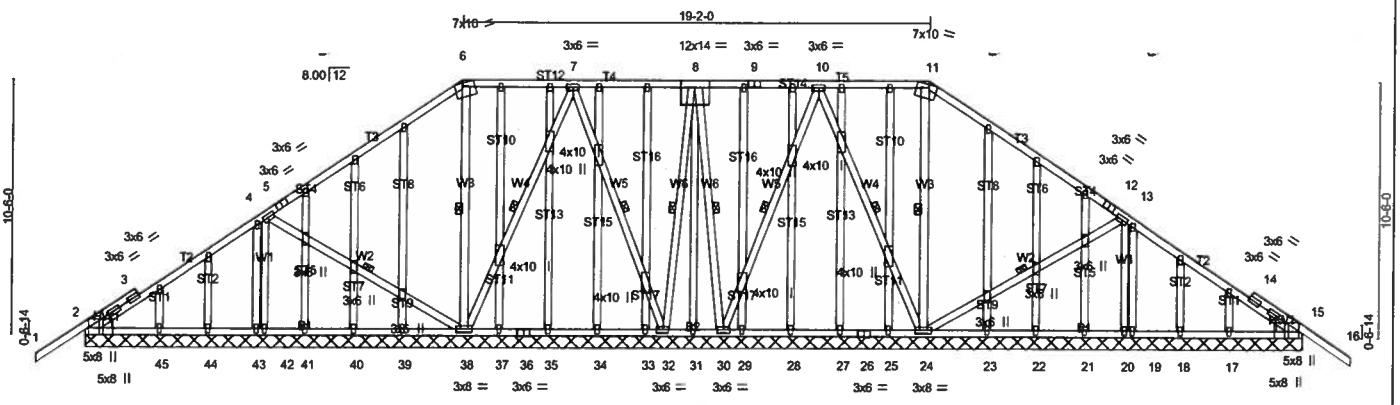
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T02G	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:14 2006 Page 1

2-0-0 | 7-4-0 | 15-5-0 | 19-11-5 | 25-0-0 | 30-0-11 | 34-7-0 | 42-8-0 | 50-0-0 | 52-0-0

2-0-0 | 7-4-0 | 8-1-0 | 4-6-5 | 5-0-11 | 5-0-11 | 4-6-5 | 8-1-0 | 7-4-0 | 2-0-0

Scale = 1:90.5



7-4-0 | 15-5-0 | 23-8-12 | 26-3-4 | 34-7-0 | 42-8-0 | 50-0-0

7-4-0 | 8-1-0 | 8-3-12 | 2-6-8 | 8-3-12 | 8-1-0 | 7-4-0

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-3-8,Edge], [6:0-4-0,Edge], [11:0-4-0,Edge], [15:0-3-8,Edge], [15:0-3-8,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)	0.00	15-16	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	0.01	15-16	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.02	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 557 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 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.
WEBS 1 Row at midpt 4-38, 6-38, 7-38, 7-32, 8-32, 8-30, 10-30, 10-24, 11-24, 13-24

REACTIONS (lb/size) 42=415/50-0-0, 38=542/50-0-0, 32=279/50-0-0, 30=279/50-0-0, 24=542/50-0-0, 20=415/50-0-0, 2=296/50-0-0, 15=296/50-0-0, 31=40/50-0-0, 33=49/50-0-0, 34=61/50-0-0, 35=63/50-0-0, 37=45/50-0-0, 39=72/50-0-0, 40=57/50-0-0, 41=59/50-0-0, 43=70/50-0-0, 44=28/50-0-0, 45=147/50-0-0, 29=49/50-0-0, 28=61/50-0-0, 27=63/50-0-0, 25=45/50-0-0, 23=72/50-0-0, 22=57/50-0-0, 21=59/50-0-0, 19=70/50-0-0, 18=28/50-0-0, 17=147/50-0-0
Max Horz 2=-354(load case 3)
Max Uplift42=-300(load case 5), 38=-320(load case 4), 32=-233(load case 4), 30=-249(load case 4), 24=-291(load case 3), 20=-269(load case 6), 2=-173(load case 5), 15=-218(load case 6), 43=-5(load case 6), 44=-1(load case 3), 45=-55(load case 6), 19=-4(load case 3), 18=-5(load case 4), 17=-43(load case 3)
Max Grav 42=417(load case 9), 38=544(load case 9), 32=305(load case 10), 30=305(load case 9), 24=544(load case 10), 20=417(load case 10), 2=297(load case 9), 15=297(load case 10), 31=40(load case 1), 33=49(load case 10), 34=61(load case 1), 35=63(load case 10), 37=45(load case 1), 39=72(load case 1), 40=57(load case 10), 41=59(load case 9), 43=70(load case 9), 44=46(load case 10), 45=147(load case 1), 29=49(load case 9), 28=61(load case 1), 27=63(load case 9), 25=45(load case 1), 23=72(load case 10), 22=57(load case 9), 21=59(load case 10), 19=70(load case 10), 18=46(load case 9), 17=147(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-224/223, 3-4=-193/247, 4-5=-120/148, 5-6=-100/186, 6-7=0/235, 7-8=0/242, 8-9=0/242, 9-10=0/242, 10-11=0/238, 11-12=-100/166, 12-13=-120/128, 13-14=-4/109, 14-15=-96/35, 15-16=0/60
BOT CHORD 2-45=-85/217, 44-45=-86/213, 43-44=-86/213, 42-43=-86/213, 41-42=-86/213, 40-41=-86/213, 39-40=-86/213, 38-39=-86/213, 37-38=-79/299, 36-37=-79/299, 35-36=-79/299, 34-35=-79/299, 33-34=-79/299, 32-33=-79/299, 31-32=-44/296, 30-31=-44/296, 29-30=-81/296, 28-29=-81/296, 27-28=-81/296, 26-27=-81/296, 25-26=-81/296, 24-25=-81/296, 23-24=-16/162, 22-23=-16/162, 21-22=-16/162, 20-21=-16/162, 19-20=-16/162, 18-19=-16/162, 17-18=-16/162, 15-17=-19/165
WEBS 4-42=-418/309, 4-38=-9/152, 6-38=-376/245, 7-38=-127/152, 7-32=-151/132, 8-32=-152/123, 8-30=-152/123, 10-30=-151/140, 10-24=-127/132, 11-24=-376/191, 13-24=-14/164, 13-20=-418/279

JOINT STRESS INDEX
2 = 0.43, 2 = 0.15, 3 = 0.00, 3 = 0.27, 3 = 0.27, 4 = 0.43, 5 = 0.53, 6 = 0.69, 7 = 0.49, 8 = 0.19, 9 = 0.26, 10 = 0.49, 11 = 0.69, 12 = 0.53, 13 = 0.43, 14 = 0.00, 14 = 0.27, 14 = 0.27, 15 = 0.43, 15 = 0.15, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.64, 25 = 0.34, 26 = 0.15, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.47, 31 = 0.34, 32 = 0.47, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.15, 37 = 0.34, 38 = 0.64, 39 = 0.34, 40 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.34, 44 = 0.34, 45 = 0.34, 46 = 0.41, 47 = 0.34, 48 = 0.41, 49 = 0.34, 50 = 0.36, 51 = 0.34, 52 = 0.36, 53 = 0.34, 54 = 0.59, 55 = 0.34, 56 = 0.59, 57 = 0.34, 58 = 0.59, 59 = 0.34, 60 = 0.34, 61 = 0.34, 62 = 0.34, 63 = 0.34, 64 = 0.41, 65 = 0.34, 66 = 0.41, 67 = 0.34, 68 = 0.36, 69 = 0.34, 70 = 0.36, 71 = 0.34, 72 = 0.59, 73 = 0.34, 74 = 0.59, 75 = 0.34, 76 = 0.59, 77 = 0.34, 78 = 0.34 and 79 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061937

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T02G	HIP	1	1	Job Reference (optional)

NOTES

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 42, 320 lb uplift at joint 38, 233 lb uplift at joint 32, 249 lb uplift at joint 30, 291 lb uplift at joint 24, 269 lb uplift at joint 20, 173 lb uplift at joint 2, 218 lb uplift at joint 15, 5 lb uplift at joint 43, 1 lb uplift at joint 44, 55 lb uplift at joint 45, 4 lb uplift at joint 19, 5 lb uplift at joint 18 and 43 lb uplift at joint 17.

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061938

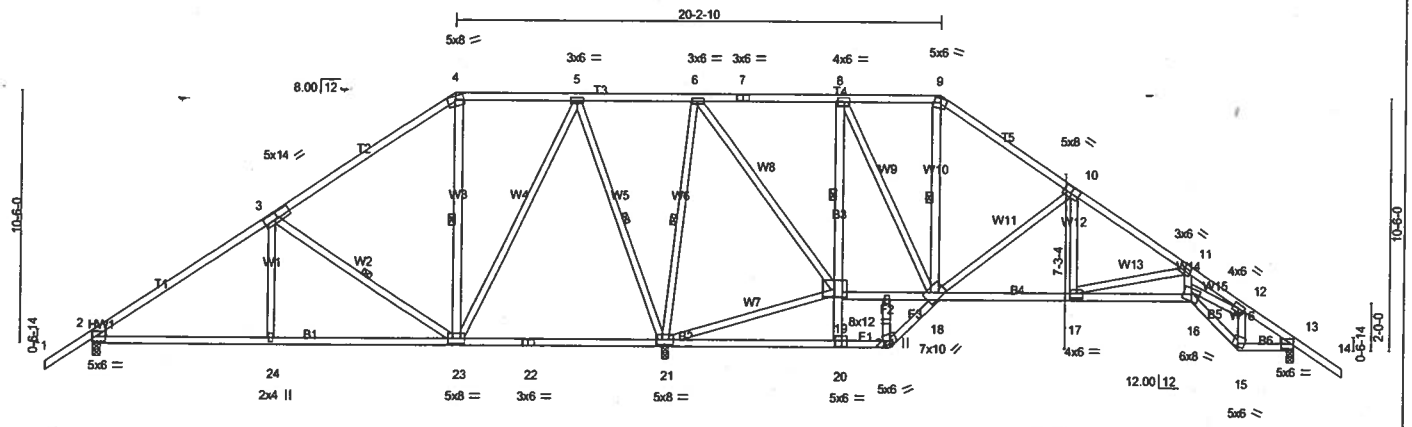
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T03	SPECIAL	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:16 2006 Page 1

2-0-0	7-4-0	14-10-11	19-11-5	25-0-0	31-2-0	35-1-5	40-9-2	45-8-8	47-8-8
2-0-0	7-4-0	7-6-11	5-0-11	5-0-11	6-2-0	3-11-5	5-7-13	4-11-6	2-0-0

50-0-0 52-0-0
2-3-8 2-0-0

Scale = 1:91.7



7-4-0	14-10-11	23-8-12	31-2-0	35-1-5	40-9-2	45-8-8	47-8-8
7-4-0	7-6-11	8-10-1	7-5-4	3-11-5	5-7-13	4-11-6	2-0-0

2-3-8

Plate Offsets (X,Y): [3:0-7-0,0-3-0], [10:0-4-0,0-3-0], [20:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.19	16-17	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.10	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 356 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
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 4-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-19
WEBS 1 Row at midpt 3-23, 4-23, 5-21, 6-21, 9-18
JOINTS 1 Brace at Jt(s): 19

REACTIONS (lb/size) 2=653/0-3-8, 13=806/0-3-8, 21=2949/0-3-8
Max Horz 2=-360(load case 3)
Max Uplift2=-367(load case 5), 13=-424(load case 6), 21=-707(load case 4)
Max Grav 2=780(load case 9), 13=830(load case 10), 21=2949(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-798/275, 3-4=-218/305, 4-5=-78/262, 5-6=-34/1035, 6-7=0/235, 7-8=0/235, 8-9=-164/283, 9-10=-289/264, 10-11=-897/365, 11-12=-2274/644, 12-13=-953/320, 13-14=0/52
BOT CHORD 2-24=-421/568, 23-24=-421/568, 22-23=-596/426, 21-22=-596/426, 20-21=0/28, 19-20=0/93, 8-19=-1012/402, 18-19=-239/379, 17-18=-97/706, 16-17=-380/1770, 15-16=-188/893, 13-15=-149/684
WEBS 3-24=0/244, 3-23=-593/371, 4-23=-419/149, 5-23=-323/1099, 5-21=-1301/460, 6-21=-1198/492, 19-21=-961/500, 6-19=-294/1094, 8-18=-254/819, 9-18=-167/44, 10-18=-683/344, 10-17=-58/461, 11-17=-1093/356, 11-16=-140/873, 12-16=-273/1254, 12-15=-559/142

JOINT STRESS INDEX
2 = 0.39, 2 = 0.00, 3 = 0.57, 4 = 0.69, 5 = 0.94, 6 = 0.76, 7 = 0.27, 8 = 0.49, 9 = 0.41, 10 = 0.33, 11 = 0.66, 12 = 0.41, 13 = 0.62, 13 = 0.00, 15 = 0.26, 16 = 0.41, 17 = 0.31, 18 = 0.45, 19 = 0.34, 20 = 0.44, 21 = 0.35, 22 = 0.30, 23 = 0.58, 24 = 0.34, 25 = 0.24 and 26 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All 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, 424 lb uplift at joint 13 and 707 lb uplift at joint 21.

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

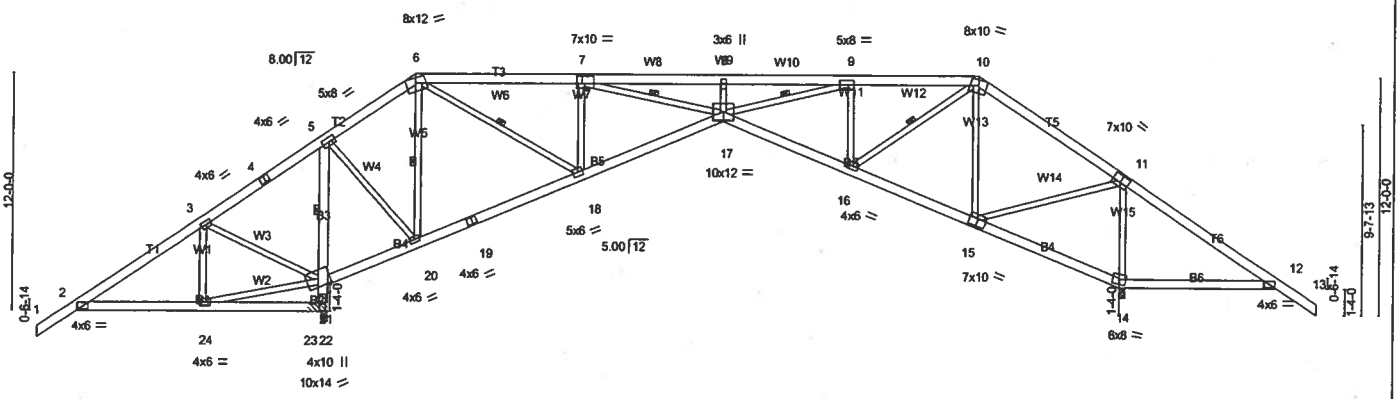
Dwg.#0208061939

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T04	SPECIAL	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:18 2006 Page 1

2-0-0 6-4-10 12-9-8 17-1-11 25-6-0 32-9-0 39-1-11 45-6-5 52-8-8 60-8-0 62-8-0
2-0-0 6-4-10 6-4-14 4-4-3 8-4-5 7-3-0 6-4-11 6-4-11 7-2-3 7-11-8 2-0-0

Scale = 1:111.2



17-1-11
6-4-10 12-7-12 12-9-8 25-6-0 32-9-0 39-1-11 45-6-5 52-8-8 52-10-4 60-8-0
6-4-10 6-3-2 0-1-12 8-4-5 7-3-0 6-4-11 6-4-11 7-2-3 0-1-12 7-9-12
4-4-3

Plate Offsets (X,Y): [7:0-3-0,0-4-8], [9:0-3-8,0-2-8], [11:0-5-0,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.74	17	>651	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-1.11	17	>433	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	1.02	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 474 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.2, W10 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-10 oc bracing. Except:
1 Row at midpt 5-21
WEBS 1 Row at midpt 6-20, 6-18, 7-17, 9-17, 10-16

REACTIONS (lb/size) 22=2961/0-3-8, 14=2351/0-3-8
Max Horz 22=401(load case 4)
Max Uplift22=-1348(load case 5), 14=-1011(load case 6)
Max Grav 22=2984(load case 10), 14=2447(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-573/709, 3-4=-1096/1228, 4-5=-1081/1395, 5-6=-475/422, 6-7=-2324/1385, 7-8=-6601/3598, 8-9=-6601/3598, 9-10=-2593/1348, 10-11=-1227/526, 11-12=-664/810, 12-13=0/58
BOT CHORD 2-24=-498/634, 23-24=-292/383, 22-23=-292/383, 21-22=-2910/1642, 5-21=-2179/936, 20-21=-1212/1332, 19-20=-452/916, 18-19=-440/933, 17-18=-1518/2528, 16-17=-1466/2809, 15-16=-471/1021, 14-15=-718/824, 12-14=-562/722
WEBS 3-24=-360/308, 3-21=-656/703, 5-20=-566/1610, 6-20=-1456/621, 6-18=-1152/2282, 7-18=-1641/998, 7-17=-2279/4410, 8-17=-216/270, 9-17=-2344/4177, 9-16=-1606/1031, 10-16=-1153/2073, 10-15=-927/468, 11-15=-583/1598, 11-14=-1901/741, 21-24=-389/510

JOINT STRESS INDEX
2 = 0.47, 3 = 0.84, 4 = 0.39, 5 = 0.62, 6 = 0.61, 7 = 0.82, 8 = 0.41, 9 = 0.95, 10 = 0.78, 11 = 0.46, 12 = 0.47, 14 = 0.91, 15 = 0.48, 16 = 0.92, 17 = 0.89, 18 = 0.71, 19 = 0.30, 20 = 0.85, 21 = 0.40, 22 = 0.44, 22 = 0.00, 23 = 0.00, 23 = 0.00 and 24 = 0.67

NOTES
1) 2 X 6 SYP No.1D bearing block 12" long at jt. 22 attached to front face with 3 rows of 0.131"x3" Nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SYP.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) WARNING: The unusually long span and/or configuration of this truss requires that extreme care be used in its application. Use proper transportation, unloading and erection methods. Assure that all required web lateral bracing is communicated to the building contractor. Ensure that over-all building bracing is designed by a qualified engineer, architect, or building designer.
5) Provide adequate drainage to prevent water ponding.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1348 lb uplift at joint 22 and 1011 lb uplift at joint 14.

LOAD CASE(S) Standard

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061940

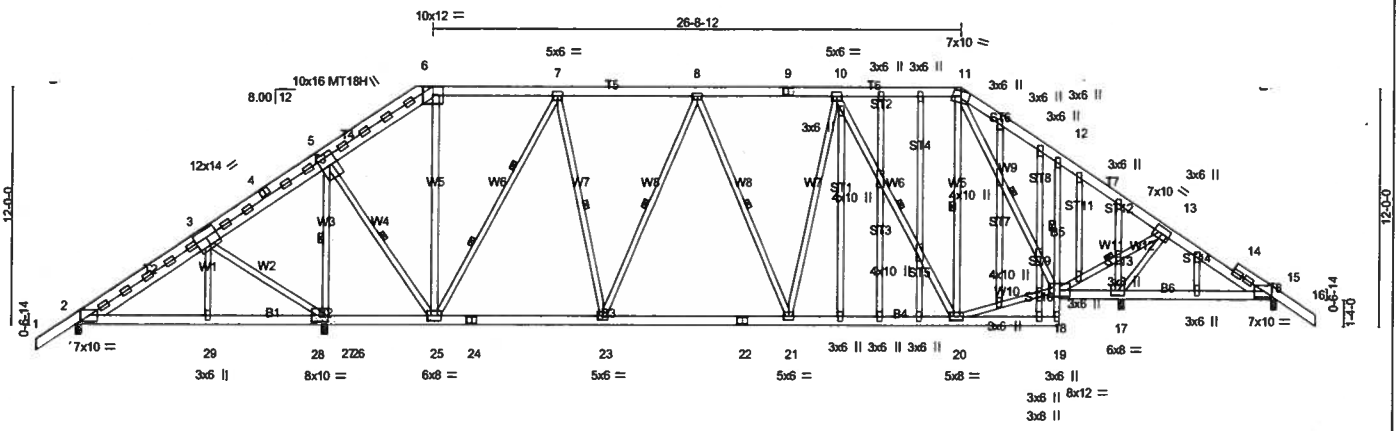
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T04G	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:19 2006 Page 1

2-0-0 | 6-7-13 | 12-7-12 | 17-11-10 | 24-2-13 | 31-4-0 | 38-5-3 | 44-8-6 | 49-8-8 | 55-0-1 | 60-8-0 | 62-8-0

2-0-0 | 6-7-13 | 5-11-15 | 5-3-14 | 6-3-3 | 7-1-3 | 7-1-3 | 6-3-3 | 5-0-2 | 5-3-9 | 5-7-15 | 2-0-0

Scale = 1:111.2



6-7-13 | 12-7-12 | 17-11-10 | 26-7-4 | 36-0-12 | 44-8-6 | 49-8-8 | 52-10-4 | 60-8-0

6-7-13 | 5-11-15 | 5-3-14 | 8-7-10 | 9-5-9 | 8-7-10 | 5-0-2 | 3-1-12 | 7-9-12

Plate Offsets (X,Y): [2:0-5-0,0-3-12], [3:0-7-0,0-10-0], [15:0-5-0,0-3-12], [27:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.16	21-23	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.26	21-23	>999	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.07	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 686 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except*
B5 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W6 2 X 4 SYP No.1D, W6 2 X 4 SYP No.1D
OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 12-18
WEBS 1 Row at midpt 5-27, 5-25, 7-23, 8-23, 8-21, 10-20, 11-20, 11-18, 13-18
2 Rows at 1/3 pts 7-25

REACTIONS (lb/size) 15=1206/0-3-8, 2=586/0-3-8, 27=3277/0-3-14 (0-3-8 + bearing block), 17=2941/0-3-8
Max Horz 2=401(load case 4)
Max Uplift15=-753(load case 6), 2=-379(load case 5), 27=-1881(load case 4), 17=-1700(load case 3)
Max Grav 15=1207(load case 10), 2=595(load case 9), 27=3277(load case 1), 17=2941(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/59, 2-3=-498/326, 3-4=-193/148, 4-5=-167/167, 5-6=-1391/934, 6-7=-1120/856, 7-8=-2272/1532, 8-9=-2515/1682, 9-10=-2515/1682, 10-11=-1824/1293, 11-12=-1998/1363, 12-13=-2045/1204, 13-14=-1228/724, 14-15=-1326/759, 15-16=-48/124
BOT CHORD 2-29=-327/373, 28-29=-331/377, 27-28=-331/377, 26-27=-73/295, 25-26=-73/295, 24-25=-1260/2069, 23-24=-1260/2069, 22-23=-1535/2561, 21-22=-1535/2561, 20-21=-1413/2435, 19-20=-185/335, 18-19=-9/87, 12-18=-536/522, 17-18=-877/722, 15-17=-494/1034
WEBS 3-29=-208/161, 3-27=-507/533, 5-27=-2775/1581, 5-25=-1189/2103, 6-25=-146/259, 7-25=-2039/1308, 7-23=-495/1022, 8-23=-775/581, 8-21=-162/234, 10-21=-165/439, 10-20=-1359/926, 11-20=-538/1007, 18-20=-840/1527, 11-18=-692/482, 13-18=-1555/2779, 13-17=-3122/1954

JOINT STRESS INDEX

2 = 0.74, 3 = 0.63, 3 = 0.30, 3 = 0.30, 3 = 0.30, 3 = 0.30, 3 = 0.30, 4 = 0.30, 4 = 0.30, 4 = 0.30, 5 = 0.25, 5 = 0.30, 5 = 0.30, 6 = 0.43, 6 = 0.30, 6 = 0.30, 6 = 0.30, 6 = 0.30, 7 = 0.77, 8 = 0.89, 9 = 0.56, 10 = 0.77, 11 = 0.50, 12 = 0.41, 13 = 0.80, 14 = 0.00, 14 = 0.39, 14 = 0.39, 15 = 0.94, 17 = 0.49, 18 = 0.99, 19 = 0.59, 20 = 0.82, 21 = 0.77, 22 = 0.67, 23 = 0.77, 24 = 0.58, 25 = 0.82, 26 = 0.00, 26 = 0.00, 27 = 0.31, 27 = 0.00, 28 = 0.00, 28 = 0.00, 29 = 0.41, 30 = 0.41, 31 = 0.41, 32 = 0.41, 33 = 0.73, 34 = 0.41, 35 = 0.41, 36 = 0.41, 37 = 0.83, 38 = 0.41, 39 = 0.64, 40 = 0.41, 41 = 0.41, 42 = 0.83, 43 = 0.41, 44 = 0.41, 45 = 0.76, 46 = 0.41, 47 = 0.41, 48 = 0.76, 49 = 0.41 and 50 = 0.41

NOTES

1) 2 X 6 SYP No.1D bearing block 12" long at jt. 27 attached to front face with 3 rows of 0.131"x3" Nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SYP.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone 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.
4) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
5) WARNING: The unusually long span and/or configuration of this truss requires that extreme care be used in its application. Use proper transportation, unloading and erection methods. Assure that all required web lateral bracing is communicated to the building contractor. Ensure that over-all building bracing is designed by a qualified engineer, architect, or building designer.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 4x6 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 753 lb uplift at joint 15, 379 lb uplift at joint 2, 1881 lb uplift at joint 27 and 1700 lb uplift at joint 17.
12) 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

Continued on page 2

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0208061941

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - GIEBEIG RES.
L149765	T04G	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 08 11:45:19 2006 Page 2

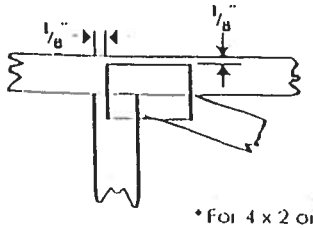
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-11=-114(F=-60), 11-16=-114(F=-60), 2-19=-30, 15-18=-30

FEBRUARY 08, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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 seal.



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

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

PLATE SIZE

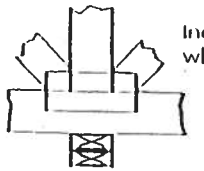
4 X 4

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

LATERAL BRACING

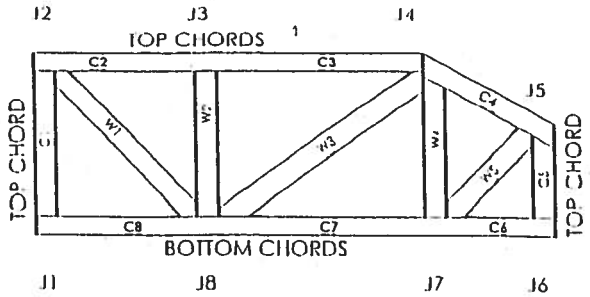
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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

MiTek®

TEE-LOK®

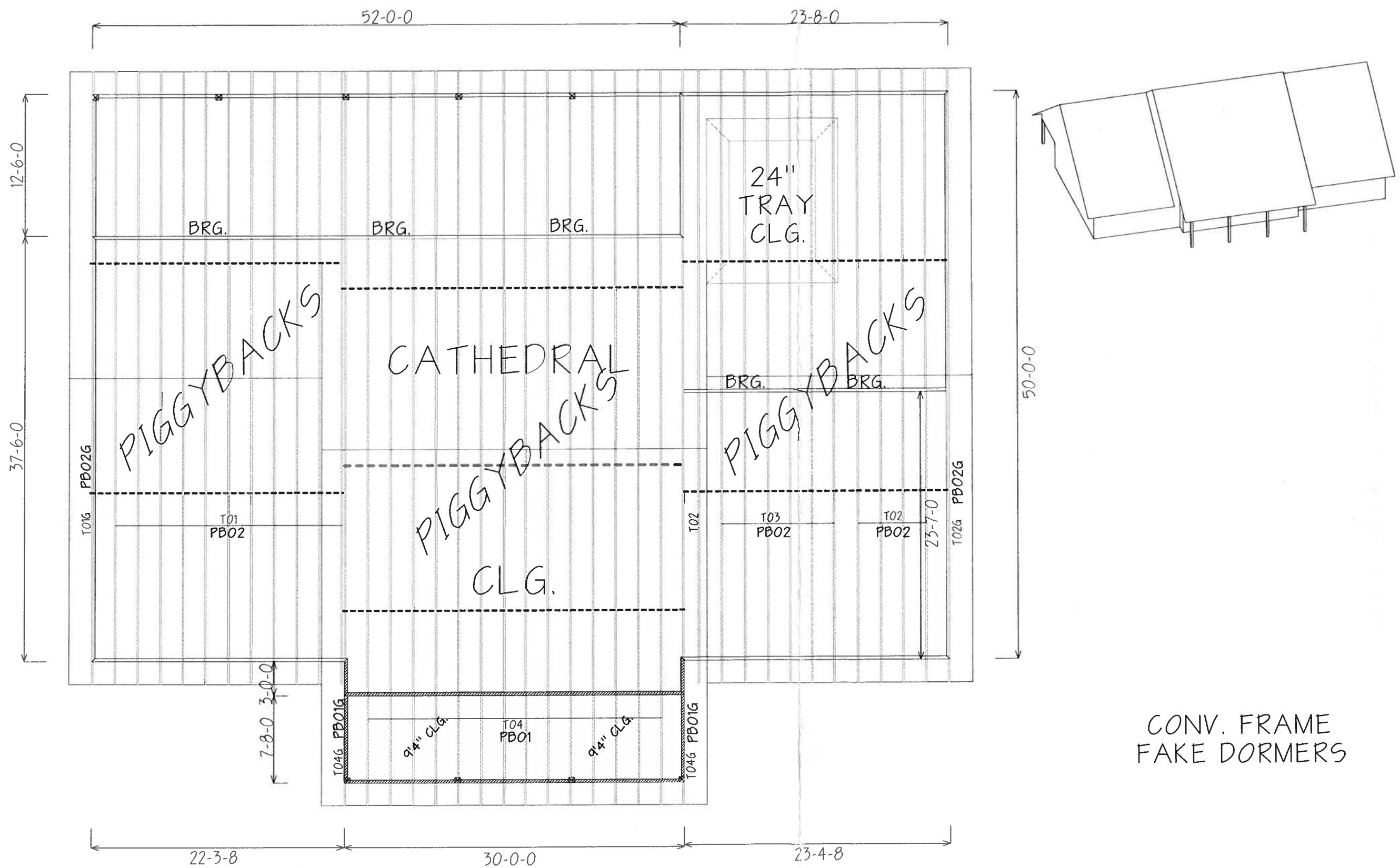
MiTek Engineering Reference Sheet: MII-7473

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.

8/12 PITCH - 2'0" O/H



CONV. FRAME
FAKE DORMERS

BEARING HEIGHT SCHEDULE

8'-0"

9'-4"

NOTES:

1) REFER TO HID 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER

4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

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

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

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

BUILDER: GIEBEIG HOMES

LEGAL ADDRESS: GIEBEIG RES.

MODEL:	REVISION:
CUSTOM	SCALE: NTS
DATE: 2-8-06 / DRAWN BY: K.L.H.	JOB #: L149765