

DATE 01/12/2007

**Columbia County Building Permit****PERMIT**

This Permit Expires One Year From the Date of Issue

000025405

APPLICANT TRENT GIEBEIG PHONE 397-0545  
 ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025  
 OWNER PETE GIEGEIG PHONE 752-7968  
 ADDRESS 598 SW GERALD CONNER DRIVE LAKE CITY FL 32024  
 CONTRACTOR TRENT GIEBEIG PHONE 397-0545  
 LOCATION OF PROPERTY 90 W, L SISTERS WELCOME RD, L KICKLIGHTER RD, R INTO  
CANNON CREEK PL ON GERALD CONNER DR THEN 10TH ON RIGHT  
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 80000.00  
 HEATED FLOOR AREA 1600.00 TOTAL AREA 2523.00 HEIGHT 17.60 STORIES 1  
 FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB  
 LAND USE & ZONING RSF-2 MAX. HEIGHT 35  
 Minimum Set Back Requirements: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00  
 NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 23-4S-16-03095-110 SUBDIVISION CANNON CREEK PLACE  
 LOT 10 BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 0.51

000001298 RR28281153  
 Culvert Permit No. Culvert Waiver Contractor's License Number JH Applicant/Owner/Contractor N  
 CULVERT PERMIT 06-01108N BK JH  
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, FLOOR ONE FOOT ABOVE THE ROADCheck # or Cash 2436**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 400.00 CERTIFICATION FEE \$ 12.62 SURCHARGE FEE \$ 12.62  
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ \_\_\_\_\_  
 FLOOD DEVELOPMENT FEE \$ \_\_\_\_\_ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 525.24  
 INSPECTORS OFFICE Z. Vech 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 INCONVENIENCE. 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.

# Columbia County Building Permit Application

CK# 2436

**For Office Use Only** Application # 0701-35 Date Received 1/9/07 By G Permit # 1298/25405

Application Approved by - Zoning Official BLK Date 12.01.07 Plans Examiner OK JTH Date 1-11-07

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

Comments SITE PLAN ON PLANS

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

Name Authorized Person Signing Permit Trent Gieberg Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Pete Gieberg Phone 752-7968

911 Address 598 SW GERALD Conner Drive LAKE City, FL. 32024

Contractors Name Trent Gieberg Construction Inc Phone 397-0545

Address 697 SE Holly Terrace Lake City FL

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address \_\_\_\_\_

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 23-45-16-03095-110 Estimated Cost of Construction 80,000

Subdivision Name Cannon Creek Place Lot 10 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase II

Driving Directions Sisters Welcome South Kick lighter to left Right into Cannon Creek Place Gerald conner drive on lot Right

Type of Construction Frame Number of Existing Dwellings on Property 0

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

Actual Distance of Structure from Property Lines - Front 25 Side 31 Side 31.5 Rear 86.5

Total Building Height 17'6" Number of Stories 1 Heated Floor Area 1600.5 Roof Pitch 6/12

TOTAL 2,523

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 COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 9th day of January 2007

Personally known X or Produced Identification \_\_\_\_\_

Trent Gieberg  
Contractor Signature  
Contractors License Number RR282811523  
Competency Card Number 5754

NOTARY STAMP SEAL

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

Elaine  
Notary Signature

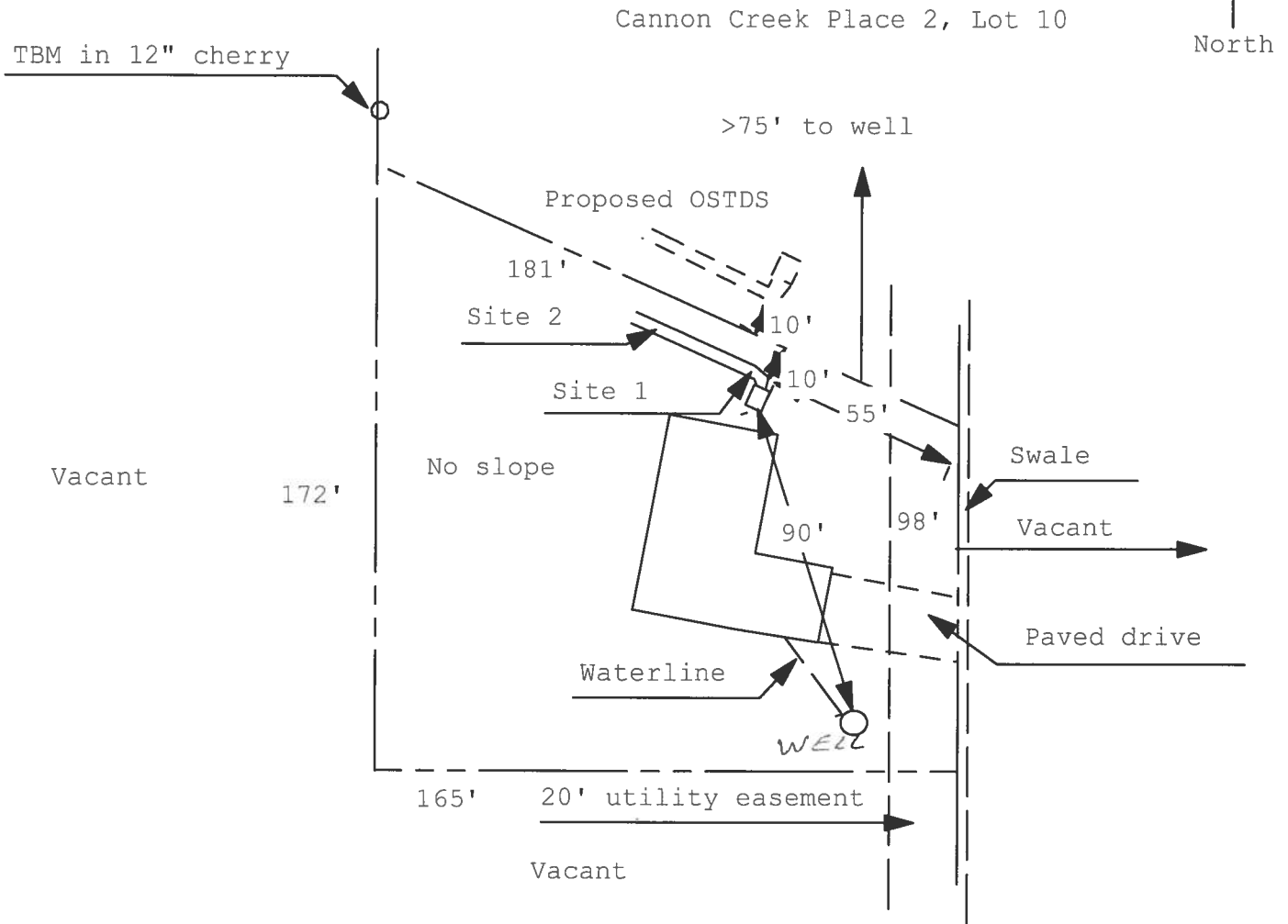
(Revised Sept. 2006)

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

Permit Application Number: 06-01108N

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

GIEBEIG/CR 06-3803



1 inch = 50 feet

Site Plan Submitted By Paul L. [Signature] Date 12/8/06

Plan Approved [Signature] Not Approved \_\_\_\_\_ Date \_\_\_\_\_

By [Signature] **APPROVED** **Columbia CHD**

Notes: \_\_\_\_\_

# Columbia County Property Appraiser

DB Last Updated: 12/29/2006

## 2007 Proposed Values

Parcel: 23-4S-16-03095-004

Tax Record

Property Card

Interactive GIS Map

Print

### Owner & Property Info

&lt;&lt; Prev

Search Result: 55 of 78

Next &gt;&gt;

|                  |                                                                                                                                                                                                                                                                                      |              |    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----|
| Owner's Name     | GIEBEIG PETER W                                                                                                                                                                                                                                                                      |              |    |
| Site Address     |                                                                                                                                                                                                                                                                                      |              |    |
| Mailing Address  | P O BOX 1384<br>LAKE CITY, FL 32025                                                                                                                                                                                                                                                  |              |    |
| Use Desc. (code) | NO AG ACRE (009900)                                                                                                                                                                                                                                                                  |              |    |
| Neighborhood     | 23416.00                                                                                                                                                                                                                                                                             | Tax District | 2  |
| UD Codes         | MKTA01                                                                                                                                                                                                                                                                               | Market Area  | 01 |
| Total Land Area  | 22.950 ACRES                                                                                                                                                                                                                                                                         |              |    |
| Description      | COMM AT SE COR OF SEC, RUN N 987.76 FT FOR POB, SW 645.44 FT, W 400.04 FT, N 1033.26 FT, E 148.13 FT, S 501.68 FT, E 865.43 FT, S 327.55 FT TO POB & COMM AT SE COR OF SEC, RUN N 2245.13 FT FOR POB, CONT N 430.01 FT, W 1010.33 FT, S 430.01 FT, E 1011.95 FT TO POB ORB 1031-1893 |              |    |

### GIS Aerial



### Property & Assessment Values

|                       |          |              |
|-----------------------|----------|--------------|
| Mkt Land Value        | cnt: (1) | \$137,700.00 |
| Ag Land Value         | cnt: (0) | \$0.00       |
| Building Value        | cnt: (0) | \$0.00       |
| XFOB Value            | cnt: (0) | \$0.00       |
| Total Appraised Value |          | \$137,700.00 |

|                     |              |
|---------------------|--------------|
| Just Value          | \$137,700.00 |
| Class Value         | \$0.00       |
| Assessed Value      | \$137,700.00 |
| Exempt Value        | \$0.00       |
| Total Taxable Value | \$137,700.00 |

### Sales History

| Sale Date  | Book/Page | Inst. Type | Sale VImp | Sale Qual | Sale RCode | Sale Price   |
|------------|-----------|------------|-----------|-----------|------------|--------------|
| 11/18/2004 | 1031/1893 | WD         | V         | Q         |            | \$177,700.00 |

### Building Characteristics

| Bldg Item | Bldg Desc | Year Blt | Ext. Walls | Heated S.F. | Actual S.F. | Bldg Value |
|-----------|-----------|----------|------------|-------------|-------------|------------|
| NONE      |           |          |            |             |             |            |

### Extra Features & Out Buildings

| Code | Desc | Year Blt | Value | Units | Dims | Condition (% Good) |
|------|------|----------|-------|-------|------|--------------------|
| NONE |      |          |       |       |      |                    |

### Land Breakdown

| Lnd Code | Desc            | Units     | Adjustments         | Eff Rate   | Lnd Value    |
|----------|-----------------|-----------|---------------------|------------|--------------|
| 009900   | AC NON-AG (MKT) | 22.950 AC | 1.00/1.00/1.00/1.00 | \$6,000.00 | \$137,700.00 |

Columbia County Property Appraiser

DB Last Updated: 12/29/2006

&lt;&lt; Prev

55 of 78

Next &gt;&gt;

NOTICE OF COMMENCEMENT

Inst:2006030221 Date:12/27/2006 Time:14:30  
DC, P. DeWitt Cason, Columbia County B:1105 P:2482

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 Statutes, the following information is provided in this Notice of Commencement:

1. Description of Property: Lot #10 Cannon Creek Place Unit II  
598 SW Gerald Conner Drive Lake City, FL. 32024
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
  - a. Name and Address: Peter W. Giebeig  
P.O. Box 1384 Lake City, FL. 32056
  - b. Interest in Property: Fee Simple
  - c. Name and Address of Fee Simple titleholder (if other than Owner): \_\_\_\_\_
4. Contractor (Name and Address): Trent Giebeig Construction, Inc  
697 SE Holly Terrace Lake City, FL. 32025
5. Surety:
  - a. Name and Address: \_\_\_\_\_ N/A
  - b. Amount of Bond: \_\_\_\_\_
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 (1)(a)(7), Florida Statutes.  
N/A
8. In addition to himself, the Owner designates the following person to receive a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statutes (Name and Address): \_\_\_\_\_



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

|               |                                                  |                      |                       |
|---------------|--------------------------------------------------|----------------------|-----------------------|
| Project Name: | <b>Cannon Creek Phase 2 Lot 10</b>               | Builder:             | <b>Giebeig, Trent</b> |
| Address:      | <b>Lot: 10, Sub: Cannon Creek, Plat: Phase 2</b> | Permitting Office:   | <b>Columbia</b>       |
| City, State:  | <b>Lake City, FL</b>                             | Permit Number:       |                       |
| Owner:        | <b>Trent Giebeig</b>                             | Jurisdiction Number: |                       |
| Climate Zone: | <b>North</b>                                     |                      |                       |

|                                     |                         |     |                                        |                   |
|-------------------------------------|-------------------------|-----|----------------------------------------|-------------------|
| 1. New construction or existing     | New                     | ___ | 12. Cooling systems                    |                   |
| 2. Single family or multi-family    | Single family           | ___ | a. Central Unit                        | Cap: 36.0 kBtu/hr |
| 3. Number of units, if multi-family | 1                       | ___ |                                        | SEER: 13.00       |
| 4. Number of Bedrooms               | 3                       | ___ | b. N/A                                 | ___               |
| 5. Is this a worst case?            | Yes                     | ___ | c. N/A                                 | ___               |
| 6. Conditioned floor area (ft²)     | 1600 ft²                | ___ | 13. Heating systems                    |                   |
| 7. Glass area & type                | Single Pane Double Pane | ___ | a. Electric Heat Pump                  | Cap: 36.0 kBtu/hr |
| a. Clear glass, default U-factor    | 141.0 ft² 0.0 ft²       | ___ |                                        | HSPF: 8.00        |
| b. Default tint                     | 0.0 ft² 0.0 ft²         | ___ | b. N/A                                 | ___               |
| c. Labeled U or SHGC                | 0.0 ft² 0.0 ft²         | ___ | c. N/A                                 | ___               |
| 8. Floor types                      |                         | ___ | 14. Hot water systems                  |                   |
| a. Slab-On-Grade Edge Insulation    | R=0.0, 165.8(p) ft      | ___ | a. Electric Resistance                 | Cap: 50.0 gallons |
| b. N/A                              | ___                     | ___ |                                        | EF: 0.90          |
| c. N/A                              | ___                     | ___ | b. N/A                                 | ___               |
| 9. Wall types                       |                         | ___ | c. Conservation credits                | ___               |
| a. Frame, Wood, Exterior            | R=13.0, 1326.4 ft²      | ___ | (HR-Heat recovery, Solar               |                   |
| b. N/A                              | ___                     | ___ | DHP-Dedicated heat pump)               |                   |
| c. N/A                              | ___                     | ___ | 15. HVAC credits                       | PT, CF, ___       |
| d. N/A                              | ___                     | ___ | (CF-Ceiling fan, CV-Cross ventilation, |                   |
| e. N/A                              | ___                     | ___ | HF-Whole house fan,                    |                   |
| 10. Ceiling types                   |                         | ___ | PT-Programmable Thermostat,            |                   |
| a. Under Attic                      | R=30.0, 1760.0 ft²      | ___ | MZ-C-Multizone cooling,                |                   |
| b. N/A                              | ___                     | ___ | MZ-H-Multizone heating)                |                   |
| c. N/A                              | ___                     | ___ |                                        |                   |
| 11. Ducts                           |                         | ___ |                                        |                   |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 52.8 ft     | ___ |                                        |                   |
| b. N/A                              | ___                     | ___ |                                        |                   |

Glass/Floor Area: 0.09

Total as-built points: 20632

Total base points: 25437

## PASS

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

PREPARED BY: *Trent Giebeig*

DATE: 12/14/06

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

OWNER/AGENT: \_\_\_\_\_

DATE: \_\_\_\_\_

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



BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

| BASE                                            |          |       |         | AS-BUILT                      |                          |     |                     |                           |         |  |
|-------------------------------------------------|----------|-------|---------|-------------------------------|--------------------------|-----|---------------------|---------------------------|---------|--|
| <b>GLASS TYPES</b>                              |          |       |         |                               |                          |     |                     |                           |         |  |
| .18 X Conditioned X BSPM = Points<br>Floor Area |          |       |         | Type/SC                       | Overhang<br>Ornt Len Hgt |     |                     | Area X SPM X SOF = Points |         |  |
| .18                                             | 1600.0   | 20.04 | 5771.5  | Single, Clear                 | W                        | 1.5 | 6.0                 | 30.0 43.84 0.91           | 1201.2  |  |
|                                                 |          |       |         | Single, Clear                 | W                        | 1.5 | 6.0                 | 20.0 43.84 0.91           | 800.8   |  |
|                                                 |          |       |         | Single, Clear                 | E                        | 1.5 | 7.0                 | 48.0 47.92 0.94           | 2158.3  |  |
|                                                 |          |       |         | Single, Clear                 | E                        | 1.5 | 7.0                 | 30.0 47.92 0.94           | 1349.0  |  |
|                                                 |          |       |         | Single, Clear                 | S                        | 1.5 | 2.0                 | 5.0 40.81 0.57            | 115.4   |  |
|                                                 |          |       |         | Single, Clear                 | S                        | 1.5 | 5.0                 | 8.0 40.81 0.81            | 263.4   |  |
|                                                 |          |       |         | <b>As-Built Total:</b>        |                          |     | 141.0               |                           | 5888.1  |  |
| <b>WALL TYPES</b> Area X BSPM = Points          |          |       |         | Type                          | R-Value                  |     |                     | Area X SPM = Points       |         |  |
| Adjacent                                        | 0.0      | 0.00  | 0.0     | Frame, Wood, Exterior         | 13.0                     |     |                     | 1326.4 1.50               | 1989.6  |  |
| Exterior                                        | 1326.4   | 1.70  | 2254.9  |                               |                          |     |                     |                           |         |  |
| <b>Base Total:</b>                              |          |       |         | <b>As-Built Total:</b>        |                          |     | 1326.4              |                           | 1989.6  |  |
| <b>DOOR TYPES</b> Area X BSPM = Points          |          |       |         | Type                          |                          |     |                     | Area X SPM = Points       |         |  |
| Adjacent                                        | 0.0      | 0.00  | 0.0     | Exterior Wood                 |                          |     |                     | 27.9 6.10                 | 170.1   |  |
| Exterior                                        | 45.6     | 6.10  | 277.9   | Exterior Wood                 |                          |     |                     | 17.7 6.10                 | 107.8   |  |
| <b>Base Total:</b>                              |          |       |         | <b>As-Built Total:</b>        |                          |     | 45.6                |                           | 277.9   |  |
| <b>CEILING TYPES</b> Area X BSPM = Points       |          |       |         | Type                          | R-Value                  |     |                     | Area X SPM X SCM = Points |         |  |
| Under Attic                                     | 1600.0   | 1.73  | 2768.0  | Under Attic                   | 30.0                     |     |                     | 1760.0 1.73 X 1.00        | 3044.8  |  |
| <b>Base Total:</b>                              |          |       |         | <b>As-Built Total:</b>        |                          |     | 1760.0              |                           | 3044.8  |  |
| <b>FLOOR TYPES</b> Area X BSPM = Points         |          |       |         | Type                          | R-Value                  |     |                     | Area X SPM = Points       |         |  |
| Slab                                            | 165.8(p) | -37.0 | -6134.6 | Slab-On-Grade Edge Insulation | 0.0                      |     |                     | 165.8(p) -41.20           | -6831.0 |  |
| Raised                                          | 0.0      | 0.00  | 0.0     |                               |                          |     |                     |                           |         |  |
| <b>Base Total:</b>                              |          |       |         | <b>As-Built Total:</b>        |                          |     | 165.8               |                           | -6831.0 |  |
| <b>INFILTRATION</b> Area X BSPM = Points        |          |       |         |                               |                          |     | Area X SPM = Points |                           |         |  |
|                                                 | 1600.0   | 10.21 | 16336.0 |                               |                          |     | 1600.0 10.21        | 16336.0                   |         |  |

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

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

| BASE                |   |                   |   |                | AS-BUILT                |   |           |   |                                     |   |                   |         |                   |   |                |
|---------------------|---|-------------------|---|----------------|-------------------------|---|-----------|---|-------------------------------------|---|-------------------|---------|-------------------|---|----------------|
| Summer Base Points: |   | 21273.7           |   |                | Summer As-Built Points: |   |           |   |                                     |   |                   | 20705.4 |                   |   |                |
| Total Summer Points | X | System Multiplier | = | Cooling Points | Total Component         | X | Cap Ratio | X | Duct Multiplier<br>(DM x DSM x AHU) | X | System Multiplier | X       | Credit Multiplier | = | Cooling Points |
| 21273.7             |   | 0.4266            |   | 9075.4         | 20705.4                 |   | 1.000     |   | (1.090 x 1.147 x 0.91)              |   | 0.263             |         | 0.902             |   | 5581.6         |
|                     |   |                   |   |                | 20705.4                 |   | 1.00      |   | 1.138                               |   | 0.263             |         | 0.902             |   | 5581.6         |



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

| BASE                                                           |                 |               |               | AS-BUILT                       |                          |     |                           |                |                |      |        |
|----------------------------------------------------------------|-----------------|---------------|---------------|--------------------------------|--------------------------|-----|---------------------------|----------------|----------------|------|--------|
| GLASS TYPES<br>.18 X Conditioned X BWPM = Points<br>Floor Area |                 |               |               | Type/SC                        | Overhang<br>Ornt Len Hgt |     | Area X WPM X WOF = Points |                |                |      |        |
| .18                                                            | 1600.0          | 12.74         | 3669.1        | Single, Clear                  | W                        | 1.5 | 6.0                       | 30.0           | 28.84          | 1.02 | 885.5  |
|                                                                |                 |               |               | Single, Clear                  | W                        | 1.5 | 6.0                       | 20.0           | 28.84          | 1.02 | 590.3  |
|                                                                |                 |               |               | Single, Clear                  | E                        | 1.5 | 7.0                       | 48.0           | 26.41          | 1.03 | 1301.3 |
|                                                                |                 |               |               | Single, Clear                  | E                        | 1.5 | 7.0                       | 30.0           | 26.41          | 1.03 | 813.3  |
|                                                                |                 |               |               | Single, Clear                  | S                        | 1.5 | 2.0                       | 5.0            | 20.24          | 2.27 | 229.3  |
|                                                                |                 |               |               | Single, Clear                  | S                        | 1.5 | 5.0                       | 8.0            | 20.24          | 1.20 | 193.9  |
|                                                                |                 |               |               | As-Built Total:                |                          |     |                           | 141.0          |                |      |        |
| WALL TYPES Area X BWPM = Points                                |                 |               |               | Type                           | R-Value                  |     | Area X WPM = Points       |                |                |      |        |
| Adjacent Exterior                                              | 0.0<br>1326.4   | 0.00<br>3.70  | 0.0<br>4907.7 | Frame, Wood, Exterior          | 13.0                     |     | 1326.4                    | 3.40           | 4509.8         |      |        |
| Base Total: 1326.4 4907.7                                      |                 |               |               | As-Built Total: 1326.4         |                          |     |                           | 4509.8         |                |      |        |
| DOOR TYPES Area X BWPM = Points                                |                 |               |               | Type                           | Area X WPM = Points      |     |                           |                |                |      |        |
| Adjacent Exterior                                              | 0.0<br>45.6     | 0.00<br>12.30 | 0.0<br>560.4  | Exterior Wood<br>Exterior Wood |                          |     | 27.9<br>17.7              | 12.30<br>12.30 | 342.9<br>217.5 |      |        |
| Base Total: 45.6 560.4                                         |                 |               |               | As-Built Total: 45.6           |                          |     |                           | 560.4          |                |      |        |
| CEILING TYPES Area X BWPM = Points                             |                 |               |               | Type                           | R-Value                  |     | Area X WPM X WCM = Points |                |                |      |        |
| Under Attic                                                    | 1600.0          | 2.05          | 3280.0        | Under Attic                    | 30.0                     |     | 1760.0                    | 2.05 X 1.00    | 3608.0         |      |        |
| Base Total: 1600.0 3280.0                                      |                 |               |               | As-Built Total: 1760.0         |                          |     |                           | 3608.0         |                |      |        |
| FLOOR TYPES Area X BWPM = Points                               |                 |               |               | Type                           | R-Value                  |     | Area X WPM = Points       |                |                |      |        |
| Slab Raised                                                    | 165.8(p)<br>0.0 | 8.9<br>0.00   | 1475.6<br>0.0 | Slab-On-Grade Edge Insulation  | 0.0                      |     | 165.8(p)                  | 18.80          | 3117.0         |      |        |
| Base Total: 1475.6                                             |                 |               |               | As-Built Total: 165.8          |                          |     |                           | 3117.0         |                |      |        |
| INFILTRATION Area X BWPM = Points                              |                 |               |               | Area X WPM = Points            |                          |     |                           |                |                |      |        |
| 1600.0 -0.59 -944.0                                            |                 |               |               | 1600.0 -0.59 -944.0            |                          |     |                           |                |                |      |        |

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

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

| BASE                       |   |                      |                     | AS-BUILT                       |             |                        |                                          |                        |                        |                     |  |
|----------------------------|---|----------------------|---------------------|--------------------------------|-------------|------------------------|------------------------------------------|------------------------|------------------------|---------------------|--|
| <b>Winter Base Points:</b> |   | <b>12948.8</b>       |                     | <b>Winter As-Built Points:</b> |             |                        |                                          | <b>14864.8</b>         |                        |                     |  |
| Total Winter<br>Points     | X | System<br>Multiplier | = Heating<br>Points | Total<br>Component             | X           | Cap<br>Ratio           | X Duct<br>Multiplier<br>(DM x DSM x AHU) | X System<br>Multiplier | X Credit<br>Multiplier | = Heating<br>Points |  |
| <b>12948.8</b>             |   | <b>0.6274</b>        | <b>8124.1</b>       | 14864.8                        | 1.000       | (1.069 x 1.169 x 0.93) | 0.426                                    |                        | 0.950                  | 6995.5              |  |
|                            |   |                      |                     | <b>14864.8</b>                 | <b>1.00</b> | <b>1.162</b>           | <b>0.426</b>                             |                        | <b>0.950</b>           | <b>6995.5</b>       |  |

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

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

| CODE COMPLIANCE STATUS |   |                   |                                         |                   |   |                   |                                         |
|------------------------|---|-------------------|-----------------------------------------|-------------------|---|-------------------|-----------------------------------------|
| BASE                   |   |                   |                                         | AS-BUILT          |   |                   |                                         |
| Cooling<br>Points      | + | Heating<br>Points | + Hot Water<br>Points = Total<br>Points | Cooling<br>Points | + | Heating<br>Points | + Hot Water<br>Points = Total<br>Points |
| 9075                   |   | 8124              | 8238 25437                              | 5582              |   | 6996              | 8055 20632                              |

**PASS**

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL,

PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

| COMPONENTS                    | SECTION         | REQUIREMENTS FOR EACH PRACTICE                                                                                                                                                                                                                                                                                                                                                                                            | CHECK |
|-------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Exterior Windows & Doors      | 606.1.ABC.1.1   | Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.                                                                                                                                                                                                                                                                                                                                                              |       |
| Exterior & Adjacent Walls     | 606.1.ABC.1.2.1 | Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall, foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor.<br>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.<br>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.<br>Common ceiling & floors R-11.                                                                                                                                |       |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 86.7**

**The higher the score, the more efficient the home.**

Trent Giebeig, Lot: 10, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL

|                                     |                     |             |                                        |                   |
|-------------------------------------|---------------------|-------------|----------------------------------------|-------------------|
| 1. New construction or existing     | New                 | ___         | 12. Cooling systems                    |                   |
| 2. Single family or multi-family    | Single family       | ___         | a. Central Unit                        | Cap: 36.0 kBtu/hr |
| 3. Number of units, if multi-family | 1                   | ___         |                                        | SEER: 13.00       |
| 4. Number of Bedrooms               | 3                   | ___         | b. N/A                                 | ___               |
| 5. Is this a worst case?            | Yes                 | ___         | c. N/A                                 | ___               |
| 6. Conditioned floor area (ft²)     | 1600 ft²            | ___         |                                        | ___               |
| 7. Glass area & type                | Single Pane         | Double Pane |                                        | ___               |
| a. Clear - single pane              | 141.0 ft²           | 0.0 ft²     | 13. Heating systems                    |                   |
| b. Clear - double pane              | 0.0 ft²             | 0.0 ft²     | a. Electric Heat Pump                  | Cap: 36.0 kBtu/hr |
| c. Tint/other SHGC - single pane    | 0.0 ft²             | 0.0 ft²     |                                        | HSPF: 8.00        |
| d. Tint/other SHGC - double pane    |                     |             | b. N/A                                 | ___               |
| 8. Floor types                      |                     |             | c. N/A                                 | ___               |
| a. Slab-On-Grade Edge Insulation    | R=0.0, 165.8(p) ft  | ___         |                                        | ___               |
| b. N/A                              | ___                 |             | 14. Hot water systems                  |                   |
| c. N/A                              | ___                 |             | a. Electric Resistance                 | Cap: 50.0 gallons |
| 9. Wall types                       |                     |             |                                        | EF: 0.90          |
| a. Frame, Wood, Exterior            | R=13.0, 1326.4 ft²  | ___         | b. N/A                                 | ___               |
| b. N/A                              | ___                 |             | c. Conservation credits                | ___               |
| c. N/A                              | ___                 |             | (HR-Heat recovery, Solar               |                   |
| d. N/A                              | ___                 |             | DHP-Dedicated heat pump)               |                   |
| e. N/A                              | ___                 |             | 15. HVAC credits                       | PT, CF, ___       |
| 10. Ceiling types                   |                     |             | (CF-Ceiling fan, CV-Cross ventilation, |                   |
| a. Under Attic                      | R=30.0, 1760.0 ft²  | ___         | HF-Whole house fan,                    |                   |
| b. N/A                              | ___                 |             | PT-Programmable Thermostat,            |                   |
| c. N/A                              | ___                 |             | MZ-C-Multizone cooling,                |                   |
| 11. Ducts                           |                     |             | MZ-H-Multizone heating)                |                   |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 52.8 ft | ___         |                                        |                   |
| b. N/A                              | ___                 |             |                                        |                   |

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](http://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 850-498-1024.*

EnergyGauge 3.0 Version: FLRCPB v3.30)

# Residential System Sizing Calculation

## Summary

Trent Giebeig

Project Title:  
Cannon Creek Phase 2 Lot 10

Code Only  
Professional Version  
Climate: North

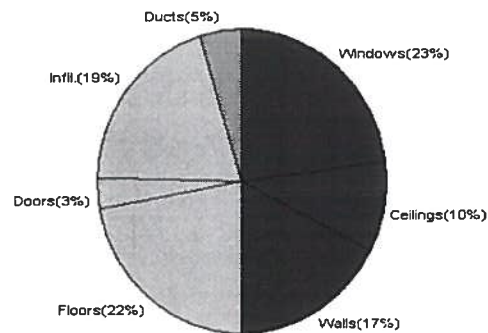
12/14/2006

|                                                                                      |                   |                                       |                   |
|--------------------------------------------------------------------------------------|-------------------|---------------------------------------|-------------------|
| 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              |
| <b>Total heating load calculation</b>                                                | <b>23608 Btuh</b> | <b>Total cooling load calculation</b> | <b>23033 Btuh</b> |
| Submitted heating capacity                                                           | % of calc Btuh    | Submitted cooling capacity            | % of calc Btuh    |
| Total (Electric Heat Pump)                                                           | 152.5 36000       | Sensible (SHR = 0.5)                  | 97.8 18000        |
| Heat Pump + Auxiliary(0.0kW)                                                         | 152.5 36000       | Latent                                | 389.3 18000       |
|                                                                                      |                   | Total (Electric Heat Pump)            | 156.3 36000       |

## WINTER CALCULATIONS

Winter Heating Load (for 1600 sqft)

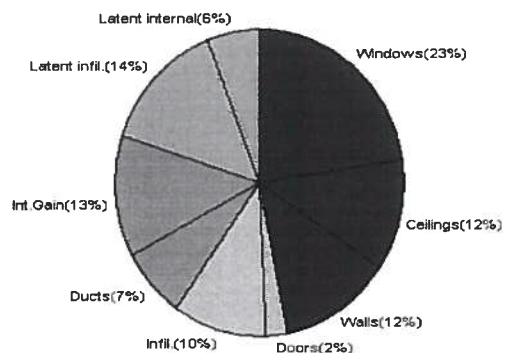
| Load component          | Load              |
|-------------------------|-------------------|
| Window total 141 sqft   | 5443 Btuh         |
| Wall total 1326 sqft    | 4112 Btuh         |
| Door total 46 sqft      | 817 Btuh          |
| Ceiling total 1760 sqft | 2288 Btuh         |
| Floor total 166 ft      | 5239 Btuh         |
| Infiltration 107 cfm    | 4585 Btuh         |
| <b>Subtotal</b>         | <b>22484 Btuh</b> |
| Duct loss               | 1124 Btuh         |
| <b>TOTAL HEAT LOSS</b>  | <b>23608 Btuh</b> |



## SUMMER CALCULATIONS

Summer Cooling Load (for 1600 sqft)

| Load component             | Load              |
|----------------------------|-------------------|
| Window total 141 sqft      | 5226 Btuh         |
| Wall total 1326 sqft       | 2838 Btuh         |
| Door total 46 sqft         | 559 Btuh          |
| Ceiling total 1760 sqft    | 2746 Btuh         |
| Floor total                | 0 Btuh            |
| Infiltration 94 cfm        | 2366 Btuh         |
| Internal gain              | 3000 Btuh         |
| <b>Subtotal(sensible)</b>  | <b>16736 Btuh</b> |
| Duct gain                  | 1674 Btuh         |
| <b>Total sensible gain</b> | <b>18410 Btuh</b> |
| Latent gain(infiltration)  | 3243 Btuh         |
| Latent gain(internal)      | 1380 Btuh         |
| <b>Total latent gain</b>   | <b>4623 Btuh</b>  |
| <b>TOTAL HEAT GAIN</b>     | <b>23033 Btuh</b> |



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: *12/14/06*

# System Sizing Calculations - Winter

## Residential Load - Component Details

Trent Giebeig

Lake City, FL

Project Title:  
Cannon Creek Phase 2 Lot 10

Code Only  
Professional Version  
Climate: North

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

12/14/2006

| Window             | Panes/SHGC/Frame/U       | Orientation | Area X          | HTM= | Load      |
|--------------------|--------------------------|-------------|-----------------|------|-----------|
| 1                  | 1, Clear, Wood, DEF      | N           | 30.0            | 38.6 | 1158 Btuh |
| 2                  | 1, Clear, Wood, DEF      | N           | 20.0            | 38.6 | 772 Btuh  |
| 3                  | 1, Clear, Wood, DEF      | S           | 48.0            | 38.6 | 1853 Btuh |
| 4                  | 1, Clear, Wood, DEF      | S           | 30.0            | 38.6 | 1158 Btuh |
| 5                  | 1, Clear, Wood, DEF      | W           | 5.0             | 38.6 | 193 Btuh  |
| 6                  | 1, Clear, Wood, DEF      | W           | 8.0             | 38.6 | 309 Btuh  |
| Window Total       |                          |             | 141             |      | 5443 Btuh |
| Walls              | Type                     | R-Value     | Area X          | HTM= | Load      |
| 1                  | Frame - Exterior         | 13.0        | 1326            | 3.1  | 4112 Btuh |
| Wall Total         |                          |             | 1326            |      | 4112 Btuh |
| Doors              | Type                     |             | Area X          | HTM= | Load      |
| 1                  | Wood - Exter             |             | 28              | 17.9 | 500 Btuh  |
| 2                  | Wood - Exter             |             | 18              | 17.9 | 317 Btuh  |
| Door Total         |                          |             | 46              |      | 817Btuh   |
| Ceilings           | Type                     | R-Value     | Area X          | HTM= | Load      |
| 1                  | Under Attic              | 30.0        | 1760            | 1.3  | 2288 Btuh |
| Ceiling Total      |                          |             | 1760            |      | 2288Btuh  |
| Floors             | Type                     | R-Value     | Size X          | HTM= | Load      |
| 1                  | Slab-On-Grade Edge Insul | 0           | 165.8 ft(p)     | 31.6 | 5239 Btuh |
| Floor Total        |                          |             | 166             |      | 5239 Btuh |
| Infiltration       | Type                     | ACH X       | Building Volume | CFM= | Load      |
|                    | Natural                  | 0.40        | 16000(sqft)     | 107  | 4585 Btuh |
|                    | Mechanical               |             |                 | 0    | 0 Btuh    |
| Infiltration Total |                          |             |                 | 107  | 4585 Btuh |

|                           |                                                 |                   |
|---------------------------|-------------------------------------------------|-------------------|
| <b>Totals for Heating</b> | <b>Subtotal</b>                                 | <b>22484 Btuh</b> |
|                           | <b>Duct Loss(using duct multiplier of 0.05)</b> | <b>1124 Btuh</b>  |
|                           | <b>Total Btuh Loss</b>                          | <b>23608 Btuh</b> |

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

Trent Giebeig

Project Title:

Code Only

Cannon Creek Phase 2 Lot 10

Professional Version

Lake City, FL

Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 12/14/2006

| Window       | Type                        | Overhang                      |     | Window Area(sqft) |        |          | HTM    |          | Load      |           |           |  |
|--------------|-----------------------------|-------------------------------|-----|-------------------|--------|----------|--------|----------|-----------|-----------|-----------|--|
|              | Panes/SHGC/U/InSh/ExSh Ornt | Len                           | Hgt | Gross             | Shaded | Unshaded | Shaded | Unshaded |           |           |           |  |
| 1            | 1, Clear, DEF, N, N         | N                             | 1.5 | 6                 | 30.0   | 0.0      | 30.0   | 33       | 33        | 990 Btuh  |           |  |
| 2            | 1, Clear, DEF, N, N         | N                             | 1.5 | 6                 | 20.0   | 0.0      | 20.0   | 33       | 33        | 660 Btuh  |           |  |
| 3            | 1, Clear, DEF, N, N         | S                             | 1.5 | 7                 | 48.0   | 48.0     | 0.0    | 33       | 50        | 1584 Btuh |           |  |
| 4            | 1, Clear, DEF, N, N         | S                             | 1.5 | 7                 | 30.0   | 30.0     | 0.0    | 33       | 50        | 990 Btuh  |           |  |
| 5            | 1, Clear, DEF, N, N         | W                             | 1.5 | 2                 | 5.0    | 3.1      | 1.9    | 33       | 91        | 274 Btuh  |           |  |
| 6            | 1, Clear, DEF, N, N         | W                             | 1.5 | 5                 | 8.0    | 0.0      | 8.0    | 33       | 91        | 728 Btuh  |           |  |
| Window Total |                             |                               |     | 141               |        |          |        |          | 5226 Btuh |           |           |  |
| Walls        | Type                        | R-Value                       |     |                   | Area   |          |        | HTM      |           | Load      |           |  |
|              | 1                           | Frame - Exterior              |     |                   | 13.0   |          |        | 2.1      |           |           | 2838 Btuh |  |
|              | Wall Total                  |                               |     |                   | 1326.4 |          |        |          |           | 2838 Btuh |           |  |
| Doors        | Type                        | R-Value                       |     |                   | Area   |          |        | HTM      |           | Load      |           |  |
|              | 1                           | Wood - Exter                  |     |                   | 27.9   |          |        | 12.3     |           | 342 Btuh  |           |  |
|              | 2                           | Wood - Exter                  |     |                   | 17.7   |          |        | 12.3     |           | 217 Btuh  |           |  |
|              | Door Total                  |                               |     |                   | 45.6   |          |        |          |           | 559 Btuh  |           |  |
| Ceilings     | Type/Color                  | R-Value                       |     |                   | Area   |          |        | HTM      |           | Load      |           |  |
|              | 1                           | Under Attic/Dark              |     |                   | 30.0   |          |        | 1.6      |           |           | 2746 Btuh |  |
|              | Ceiling Total               |                               |     |                   | 1760.0 |          |        |          |           | 2746 Btuh |           |  |
| Floors       | Type                        | R-Value                       |     |                   | Size   |          |        | HTM      |           | Load      |           |  |
|              | 1                           | Slab-On-Grade Edge Insulation |     |                   | 0.0    |          |        | 0.0      |           |           | 0 Btuh    |  |
|              | Floor Total                 |                               |     |                   | 165.8  |          |        |          |           | 0 Btuh    |           |  |
| Infiltration | Type                        | ACH                           |     |                   | Volume |          |        | CFM=     |           | Load      |           |  |
|              | Natural                     | 0.35                          |     |                   | 16000  |          |        | 93.5     |           | 2366 Btuh |           |  |
|              | Mechanical                  |                               |     |                   |        |          |        | 0        |           | 0 Btuh    |           |  |
|              | Infiltration Total          |                               |     |                   |        |          |        | 94       |           | 2366 Btuh |           |  |

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

|                    |                                                           |            |
|--------------------|-----------------------------------------------------------|------------|
| Totals for Cooling | Subtotal                                                  | 16736 Btuh |
|                    | Duct gain(using duct multiplier of 0.10)                  | 1674 Btuh  |
|                    | Total sensible gain                                       | 18410 Btuh |
|                    | Latent infiltration gain (for 51 gr. humidity difference) | 3243 Btuh  |
|                    | Latent occupant gain (6 people @ 230 Btuh per person)     | 1380 Btuh  |
|                    | Latent other gain                                         | 0 Btuh     |
| TOTAL GAIN         |                                                           | 23033 Btuh |

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

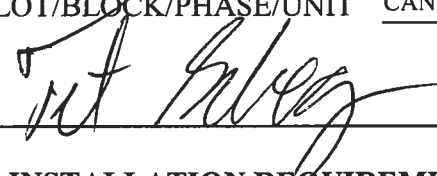
# Columbia County Building Department Culvert Permit

Culvert Permit No.  
**000001298**

DATE 01/12/2007 PARCEL ID # 23-4S-16-03095-110  
APPLICANT TRENT GIEBEIG PHONE 397-0545  
ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025  
OWNER PETE GIEBEIG PHONE 752-7968  
ADDRESS 598 SW GERALD CONNER DRIVE LAKE CITY FL 32024  
CONTRACTOR TRENT GIEBEIG PHONE 397-0545  
LOCATION OF PROPERTY 90 W, L SISTERS WELCOME RD, L KICKLIGHTER RD, R CANNON  
CREEK PLACE, TURN ONTO GERALD CONNER DR THEN 10 LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 10

SIGNATURE



## INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other \_\_\_\_\_

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

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

Amount Paid 25.00



# 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.

#25905

## 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 32906  
Company Business License No. JF104378 Company Phone No. 392-755-3611  
FHA/VA Case No. (if any) \_\_\_\_\_

## Section 2: Builder Information

Company Name: Trent Gehrig Const. Company Phone No. 397-0545

## Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 598 SW Gerald Connor Drive  
Cannon Creek Place Lake City, FL 32024  
lot # 10  
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) 7/16/07  
Brand Name of Product(s) Used Terminator  
EPA Registration No. \_\_\_\_\_  
Approximate Final Mix Solution % 1.0%  
Approximate Size of Treatment Area: Sq. ft. 1952 Linear ft. 233 Linear ft. of Masonry Voids 216  
Approximate Total Gallons of Solution Applied 475 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 Treated main body + garage - Entry porch not installed as of 7/16/07

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104378

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 [Signature] Date 7/16/07

**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)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

**COLUMBIA COUNTY  
FLORIDA  
DEPARTMENT OF BUILDING AND ZONING INSPECTION**

# 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 23-4S-16-03095-110

Building permit No. 000025405

Use Classification SFD, UTILITY

Fire: 51.36

Permit Holder TRENT GIEBEIG

Waste: 134.00

Owner of Building PETE GIEGEIG

Total: 185.36

Location: 598 SW GERALD CONNER DR, LAKE CITY, FL

Date: 02/13/2008

*Wayne St. Rose*

Building Inspector

**POST IN A CONSPICUOUS PLACE**  
*(Business Places Only)*





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10:14:45 AM 8/24/2006

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[Term Glossary](#)[Online Help](#)**Licensee Details****Licensee Information**

Name: **GIEBEIG, BRIAN TRENT (Primary Name)**  
**TRENT GIEBEIG CONSTRUCTION INC (DBA Name)**  
Main Address: **462 SW FAIRLINGTON CT**  
**LAKE CITY Florida 32025**  
County: **COLUMBIA**

License Mailing:

LicenseLocation:

**License Information**

License Type: **Registered Residential Contractor**  
Rank: **Reg Residential**  
License Number: **RR282811523**  
Status: **Current,Active**  
Licensure Date: **06/06/2006**  
Expires: **08/31/2007**

**Special Qualifications** **Qualification Effective**  
**QB Lic Required** **06/06/2006**

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## LATERAL TOE-NAIL DETAIL

## ST-TOENAIL

MITek Industries, Chesterfield, MO Page 1 of 1

## NOTES:

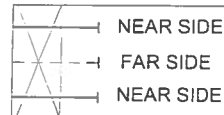
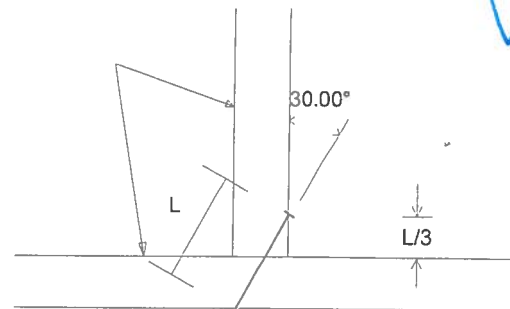
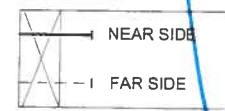
- TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
- THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
- ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE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

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

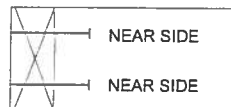
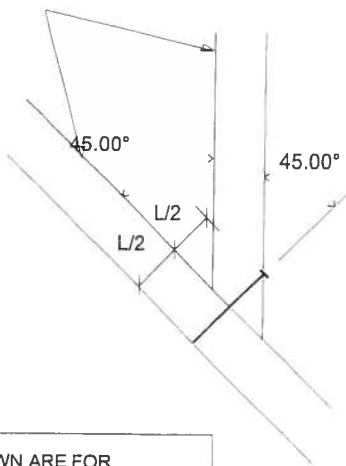
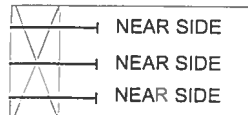
|            | DIAM. | SYP   |
|------------|-------|-------|
| 3.5" LONG  | .131  | 83.3  |
|            | .135  | 89.6  |
|            | .162  | 118.3 |
| 3.25" LONG | .128  | 80.5  |
|            | .131  | 83.3  |
|            | .148  | 102.1 |
| 3.0" LONG  | .120  | 70.5  |
|            | .128  | 80.5  |
|            | .131  | 83.3  |
|            | .148  | 102.1 |

VALUES SHOWN ARE CAPACITY PER TOE-NAIL.  
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

## SQUARE CUT

SIDE VIEW  
(2x4, 2x6)  
3 NAILSSIDE VIEW  
(2x3)  
2 NAILS45 DEGREE ANGLE  
BEVEL CUT

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

SIDE VIEW  
(2x3, 2x4)  
2 NAILSSIDE VIEW  
(2x6)  
3 NAILS

VIEWS SHOWN ARE FOR  
ILLUSTRATION PURPOSES ONLY

DEC 27 2006

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

|                                           |              |                          |                                                                                                        |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>CJ1 | Truss Type<br>ROOF TRUSS | Qty<br>14                                                                                              | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:54 2006 Page 1 |          |                           |

WndRoofZone-2

2'-0-0

1'-0-0

10'-3

2

3

4

1

T1

B1

3x6

Scale = 17.2

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

|                                                                       |                                                                                                                                                                 |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER</b><br>TOP CHORD 2 X 4 SYP No.2<br>BOT CHORD 2 X 4 SYP No.2 | <b>BRACING</b><br>TOP CHORD Structural wood sheathing directly applied or 1'-0-0 oc purlins.<br>BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing. |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

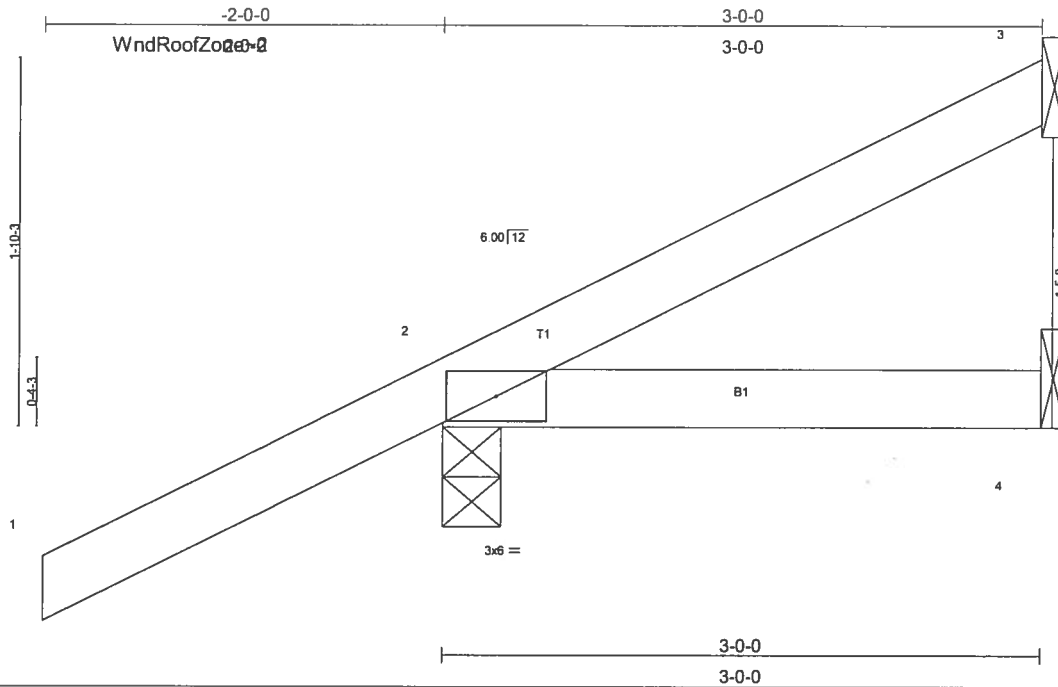
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/47, 2-3=-69/75  
 BOT CHORD 2-4=0/0

**NOTES**  
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 2) Refer to girder(s) for truss to truss connections.  
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

**LOAD CASE(S)** Standard



|                                           |              |                          |                                                                                                        |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>CJ3 | Truss Type<br>ROOF TRUSS | Qty<br>10                                                                                              | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:55 2006 Page 1 |          |                           |



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

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

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

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

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

#### NOTES

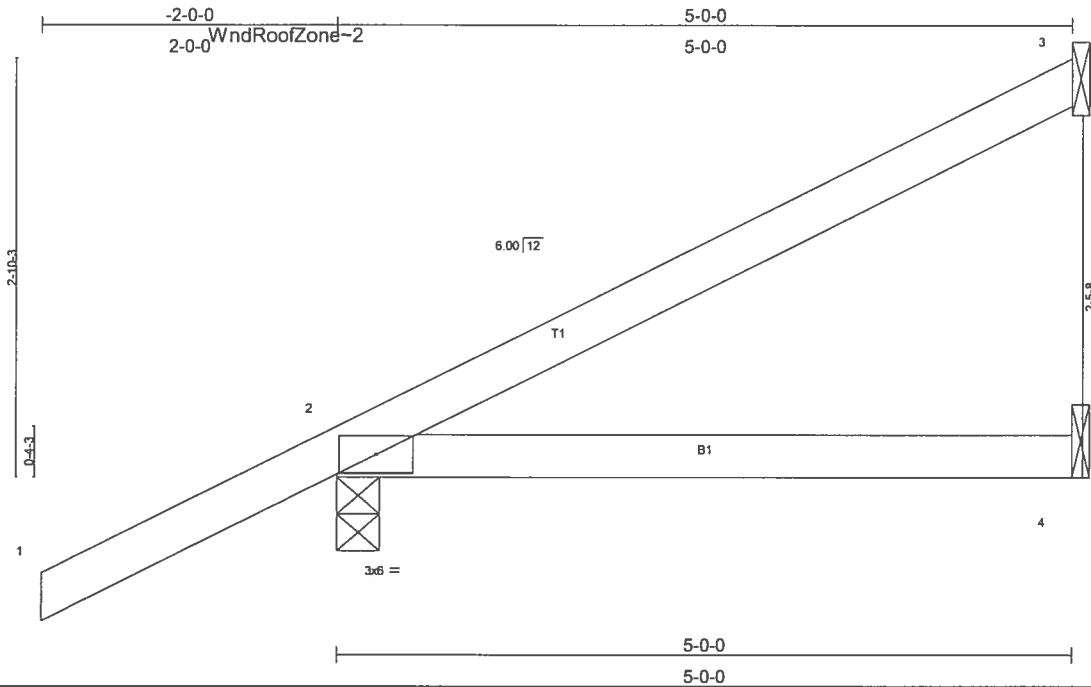
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

**LOAD CASE(S)** Standard

|                                           |              |                          |                          |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>CJ5 | Truss Type<br>ROOF TRUSS | Qty<br>10                | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional) |          |                           |

6.300 s Apr 19 2006 Mitek Industries, Inc.

Thu Dec 21 09:19:55 2006 Page 1



Scale = 1/15

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

**LUMBER**

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

**BRACING**

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

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

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-88/36  
BOT CHORD 2-4=0/0

**NOTES**

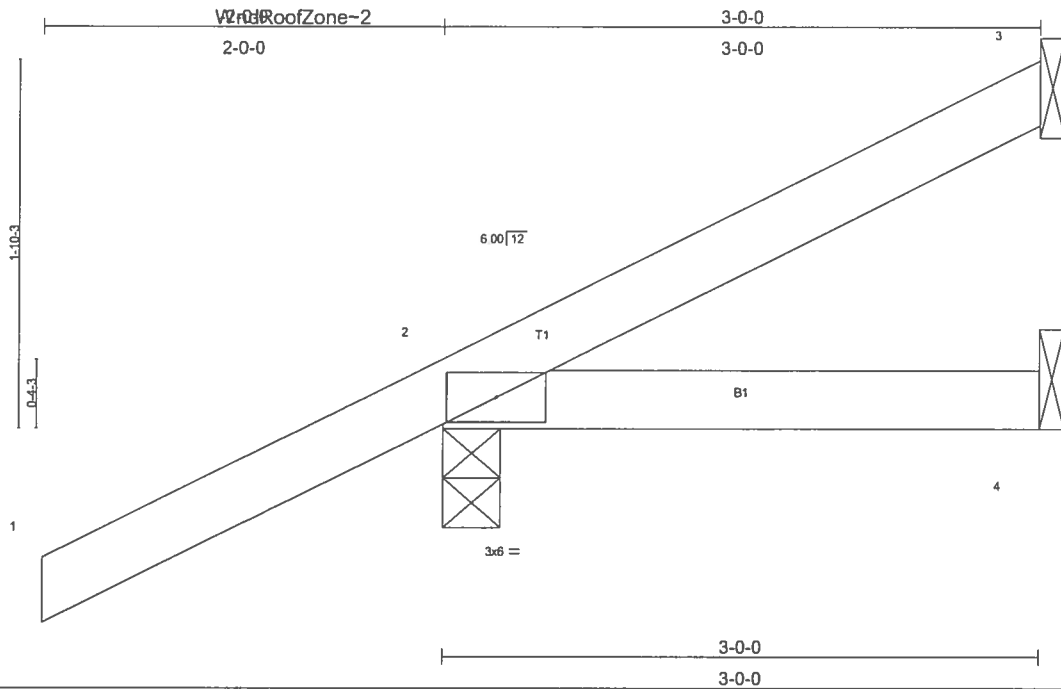
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

**LOAD CASE(S)** Standard

|                |              |                          |          |          |                           |
|----------------|--------------|--------------------------|----------|----------|---------------------------|
| Job<br>L221408 | Truss<br>EJ3 | Truss Type<br>ROOF TRUSS | Qty<br>3 | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
|----------------|--------------|--------------------------|----------|----------|---------------------------|

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:56 2006 Page 1



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

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

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

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

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

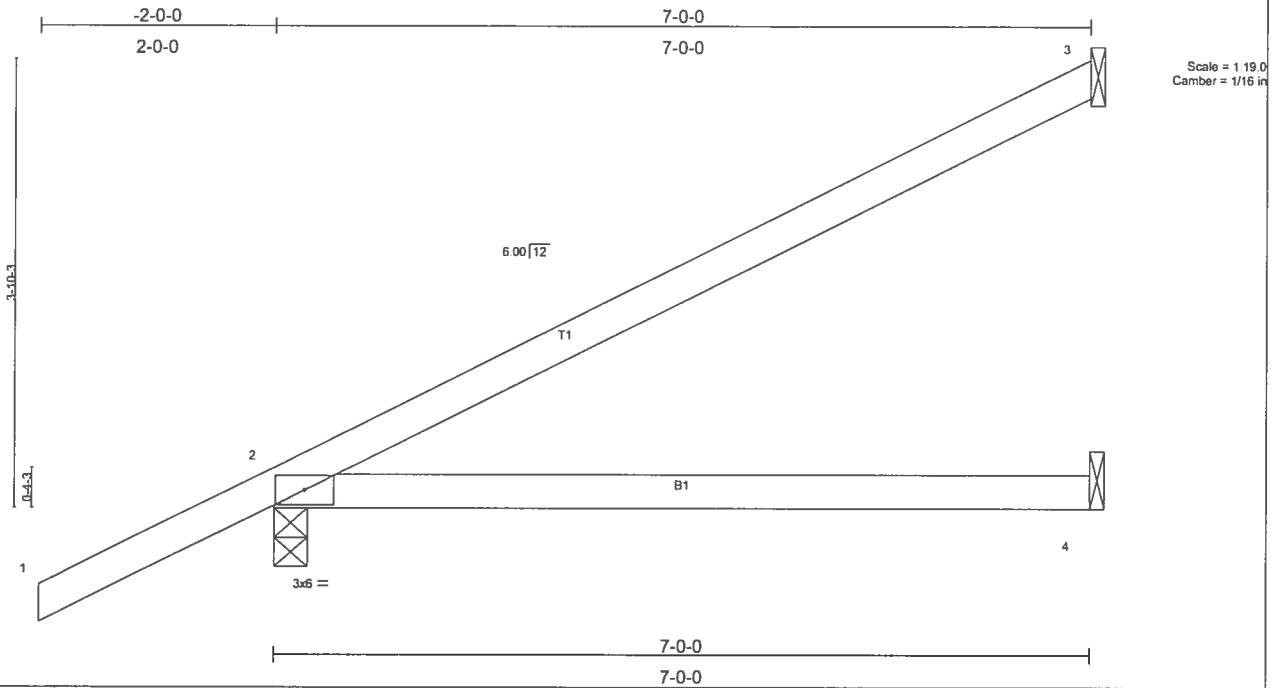
**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

**LOAD CASE(S)** Standard

|                                           |              |                          |                          |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>EJ7 | Truss Type<br>ROOF TRUSS | Qty<br>25                | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional) |          |                           |

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:57 2006 Page 1



| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|--------|---------------|
| TCLL 20.0     | Plates Increase 1.25 | TC 0.44  | Vert(LL) | -0.12 | 2-4   | >664   | 240 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase 1.25 | BC 0.35  | Vert(TL) | -0.21 | 2-4   | >397   | 180 |        |               |
| BCCL 10.0     | Rep Stress Incr YES  | WB 0.00  | Horz(TL) | -0.00 | 3     | n/a    | n/a |        |               |
| BCDL 5.0      | Code FBC2004/TPI2002 | (Matrix) |          |       |       |        |     |        |               |
|               |                      |          |          |       |       |        |     |        | Weight: 26 lb |

**LUMBER**

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

**BRACING**

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

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

**FORCES** (lb) - Maximum Compression/Maximum Tension

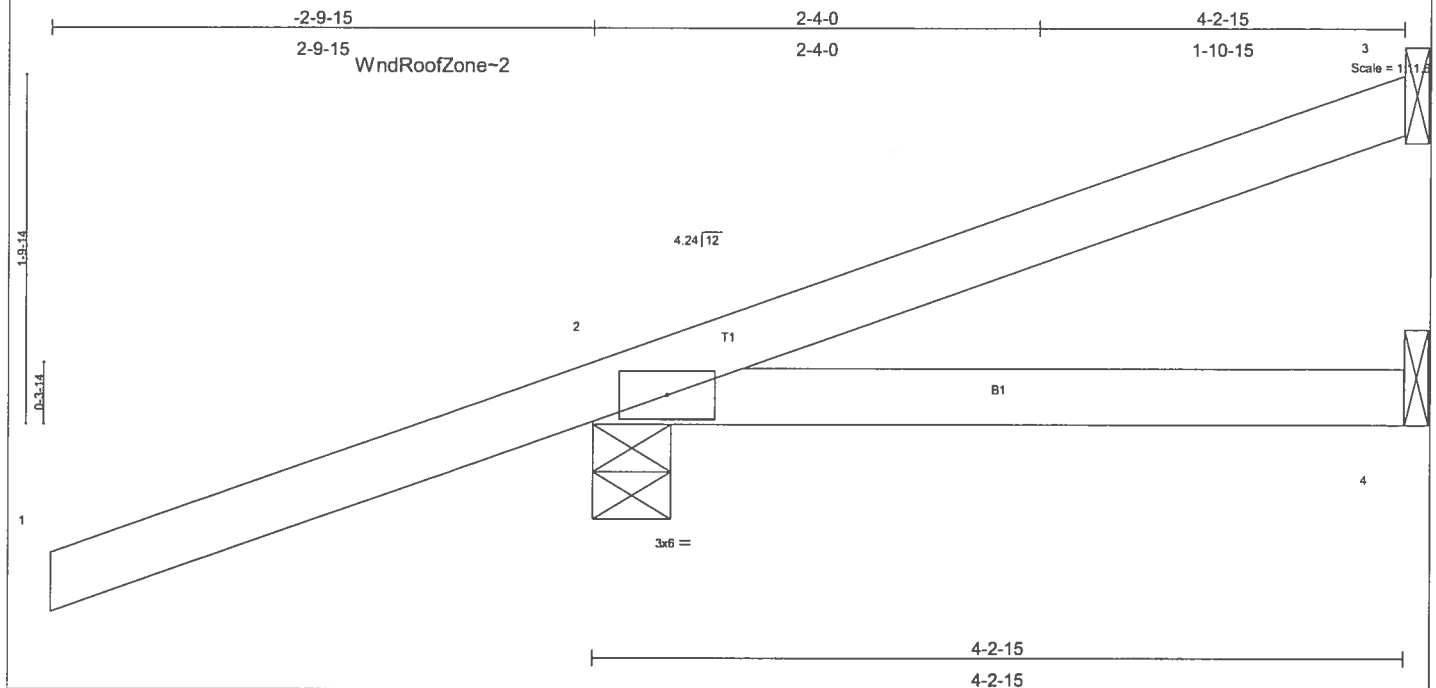
TOP CHORD 1-2=0/47, 2-3=-94/58  
BOT CHORD 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

**LOAD CASE(S)** Standard

|                                           |              |                          |                                                                                                        |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>HJ4 | Truss Type<br>ROOF TRUSS | Qty<br>2                                                                                               | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:57 2006 Page 1 |          |                           |



| LOADING (psf) | SPACING              | CSI      | DEFL     | in (loc) | l/defl | L/d  | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.53  | Vert(LL) | 0.02     | 2-4    | >999 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.07  | Vert(TL) | -0.01    | 2-4    | >999 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Horz(TL) | -0.00    | 3      | n/a  |               |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) |          |          |        |      |               |         |
|               | Code FBC2004/TPI2002 |          |          |          |        |      |               |         |
|               |                      |          |          |          |        |      | Weight: 18 lb |         |

**LUMBER**

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

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 3=15/Mechanical, 2=289/0-4-15, 4=42/Mechanical

Max Horz 2=98(load case 2)  
Max Uplift 3=-6(load case 5), 2=-302(load case 2), 4=-41(load case 2)  
Max Grav 3=32(load case 6), 2=289(load case 1), 4=42(load case 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-37/10  
BOT CHORD 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 lb uplift at joint 4.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

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

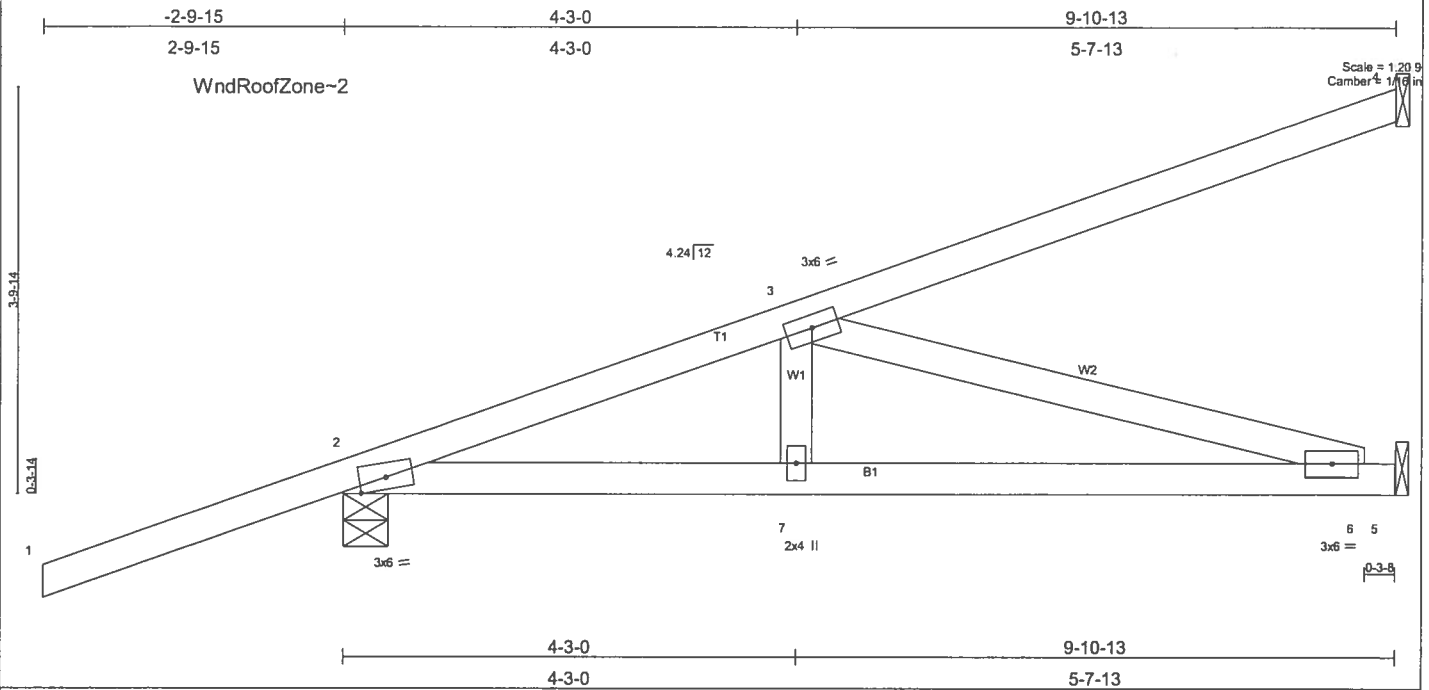
Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-57(F=-2, B=-2), 2=-0(F=15, B=15)-to-4=-32(F=-1, B=-1)

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:19:58 2006 Page 1



|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING (psf)</b> | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.61    | Vert(LL) -0.10 6-7 >999 240     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.57    | Vert(TL) -0.17 6-7 >685 180     |               |             |
| BCLL 10.0            | Rep Stress Incr NO   | WB 0.49    | Horz(TL) 0.01 5 n/a n/a         |               |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 | Weight: 45 lb |             |

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

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

**REACTIONS** (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical  
Max Horz 2=269(load case 2)  
Max Uplift4=-231(load case 2), 2=-278(load case 2), 5=-63(load case 2)

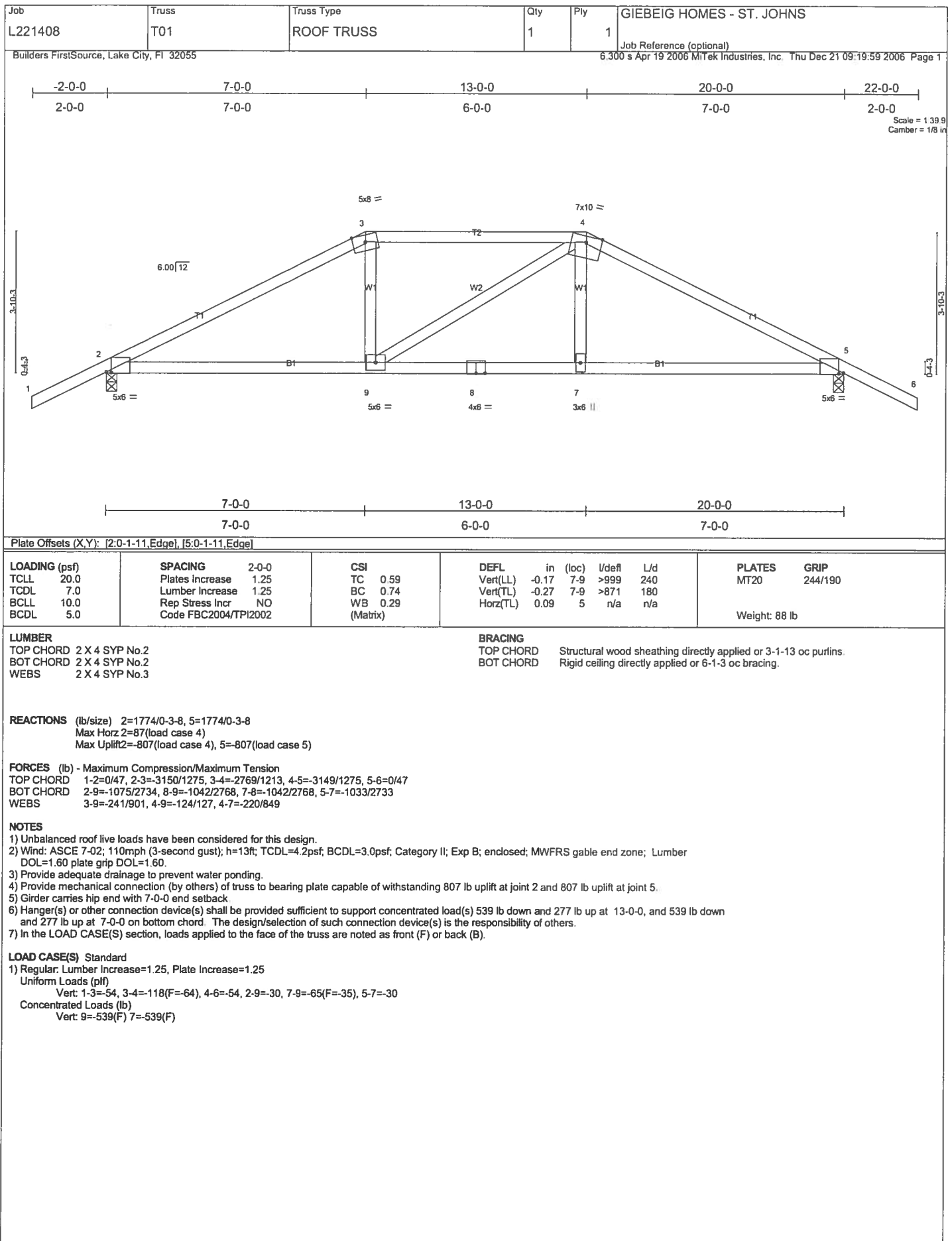
**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=0/50, 2-3=-889/121, 3-4=-105/66  
**BOT CHORD** 2-7=-309/824, 6-7=-309/824, 5-6=0/0  
**WEBS** 3-7=0/180, 3-6=-857/322

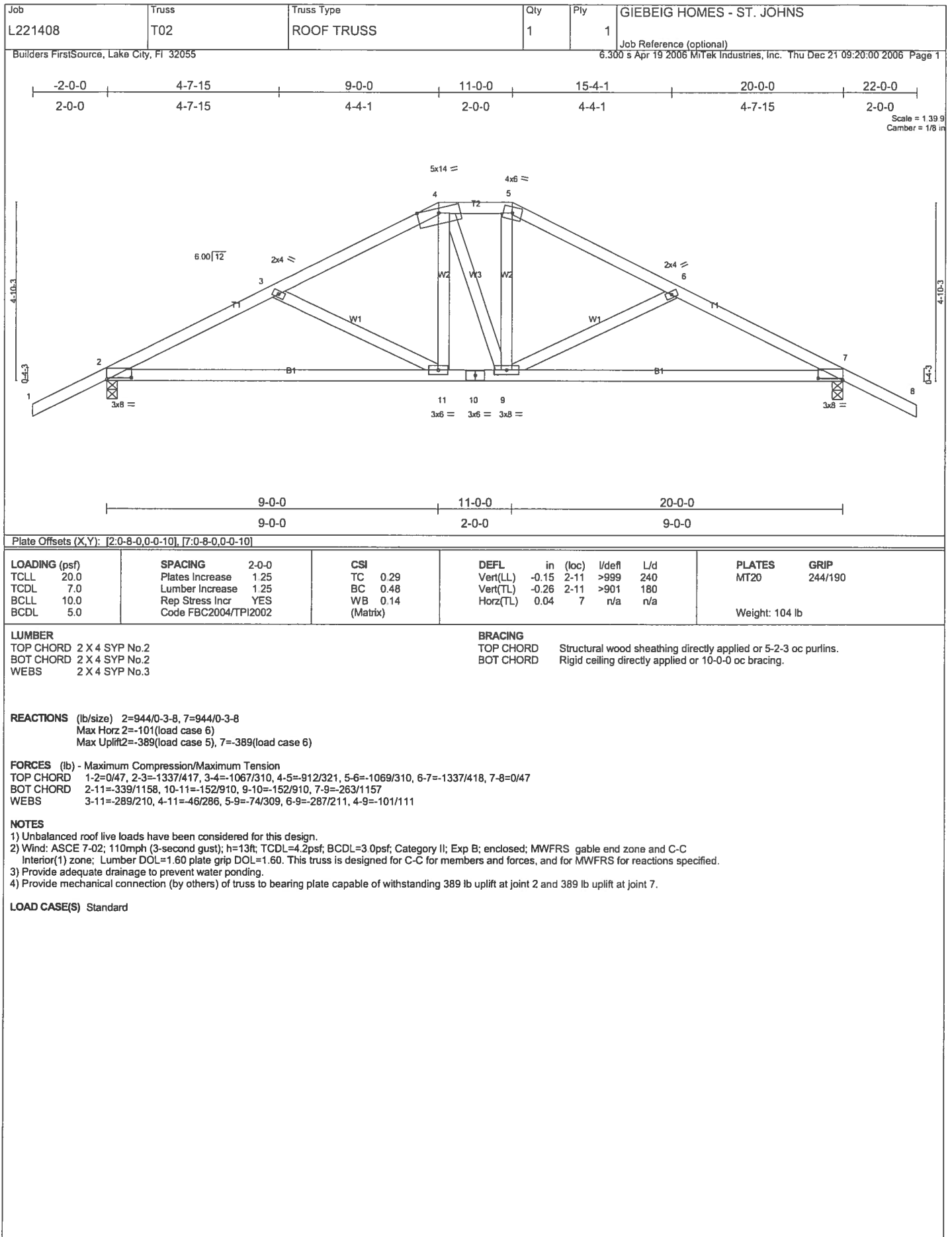
## NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDD=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

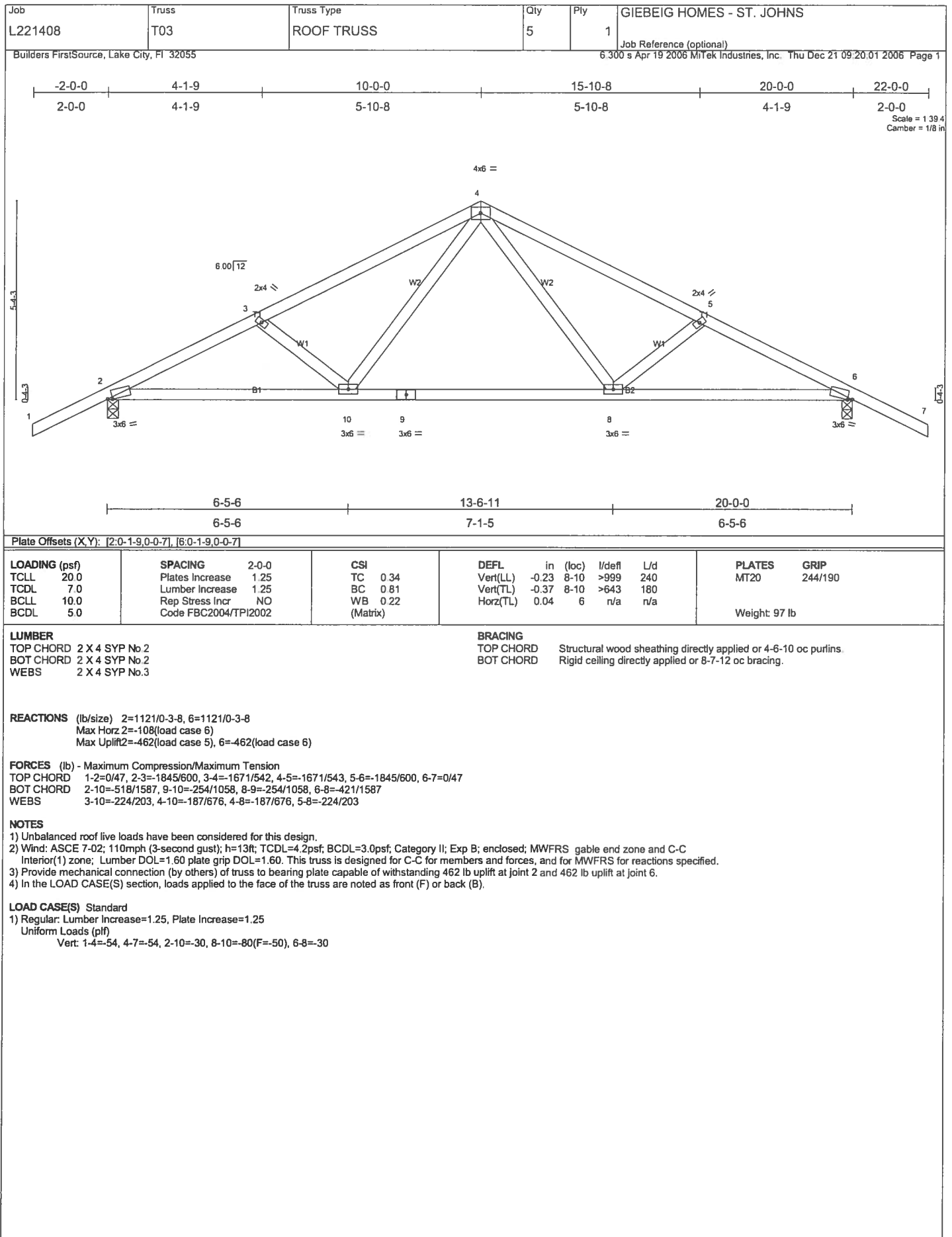
## LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-2=54  
Trapezoidal Loads (plf)  
Vert: 2-3(F=26, B=26)-to-4=-134(F=40, B=-40), 2-0(F=15, B=15)-to-5=-74(F=-22, B=-22)









|                                           |              |                          |                                                                                                        |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>T04 | Truss Type<br>ROOF TRUSS | Qty<br>1                                                                                               | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09:20:02 2006 Page 1 |          |                           |

|        |       |        |        |        |        |         |        |        |
|--------|-------|--------|--------|--------|--------|---------|--------|--------|
| -2-0-0 | 3-4-3 | 7-0-0  | 12-4-0 | 17-9-0 | 23-1-0 | 26-8-13 | 30-1-0 | 32-1-0 |
| 2-0-0  | 3-4-3 | 3-7-13 | 5-4-0  | 5-4-15 | 5-4-0  | 3-7-13  | 3-4-3  | 2-0-0  |

Scale = 1/8" = 1'-0"  
Camber = 1/4" in

|                                                                                                                                            |                      |            |                               |                |             |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------|----------------|-------------|
| Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-4-3,Edge], [6:0-4-3,Edge], [7:0-0-13,Edge], [9:0-3-8,0-3-0], [10:0-5-0,0-4-8], [11:0-3-8,0-3-0] |                      |            |                               |                |             |
| <b>LOADING (psf)</b>                                                                                                                       | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0                                                                                                                                  | 2-0-0                | TC 0.83    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCDL 7.0                                                                                                                                   | Plates Increase 1.25 | BC 0.77    | Vert(LL) -0.39 10-11 >923 240 |                |             |
| BCLL 10.0                                                                                                                                  | Lumber Increase 1.25 | WB 0.59    | Vert(TL) -0.62 10-11 >573 180 |                |             |
| BCDL 5.0                                                                                                                                   | Rep Stress Incr NO   | (Matrix)   | Horz(TL) 0.15 7 n/a n/a       |                |             |
|                                                                                                                                            | Code FBC2004/TPI2002 |            |                               | Weight: 164 lb |             |

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| <b>LUMBER</b>             | <b>BRACING</b>                                                             |
| TOP CHORD 2 X 4 SYP No 2  | TOP CHORD Structural wood sheathing directly applied or 1-11-5 oc purlins. |
| BOT CHORD 2 X 6 SYP No.1D | BOT CHORD Rigid ceiling directly applied or 5-2-6 oc bracing.              |
| WEBS 2 X 4 SYP No 3       | WEBS 1 Row at midpt 4-11, 5-9                                              |

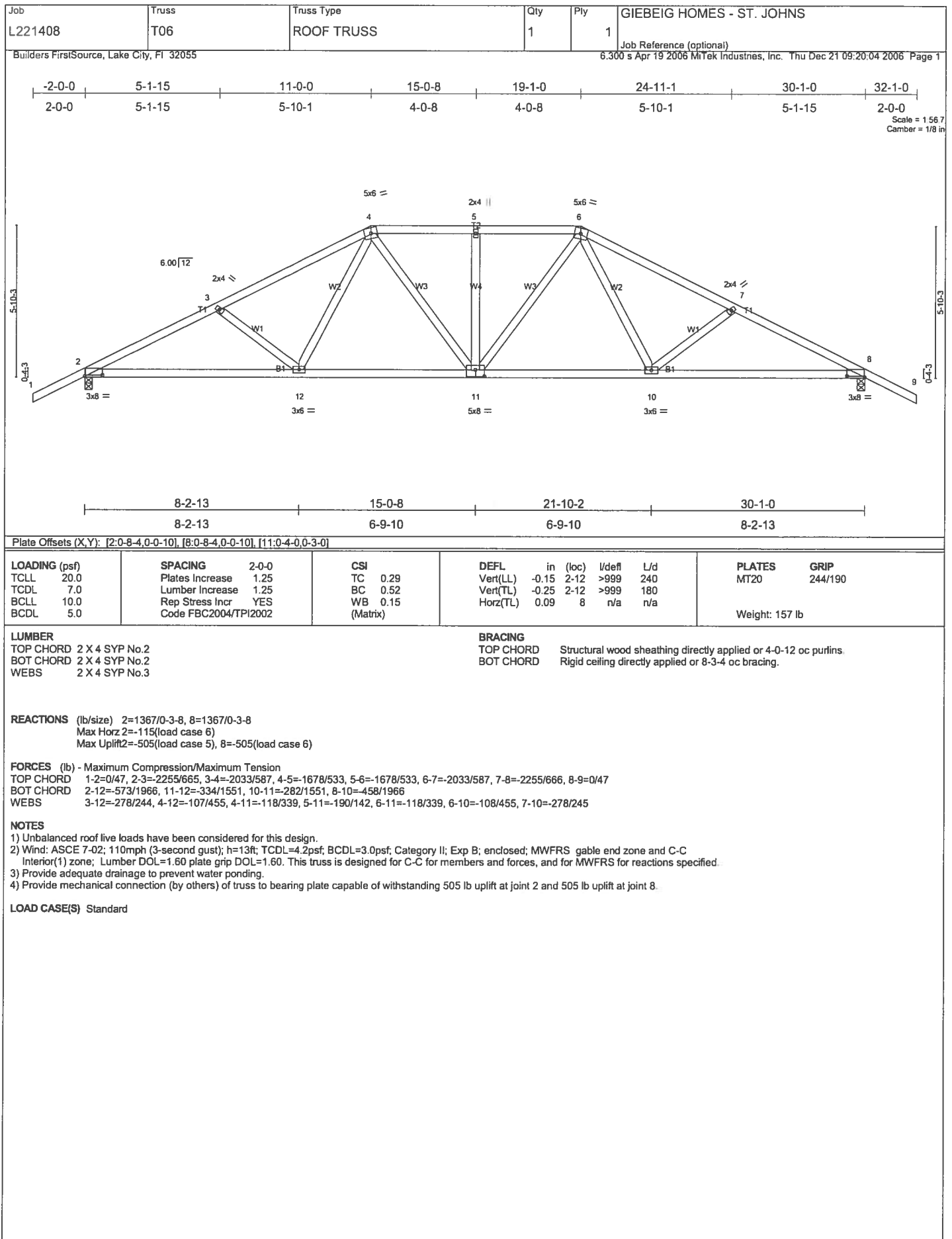
**REACTIONS** (lb/size) 2=2696/0-3-8, 7=2696/0-3-8  
 Max Horz 2=-89(load case 5)  
 Max Uplift 2=-1158(load case 4), 7=-1158(load case 5)

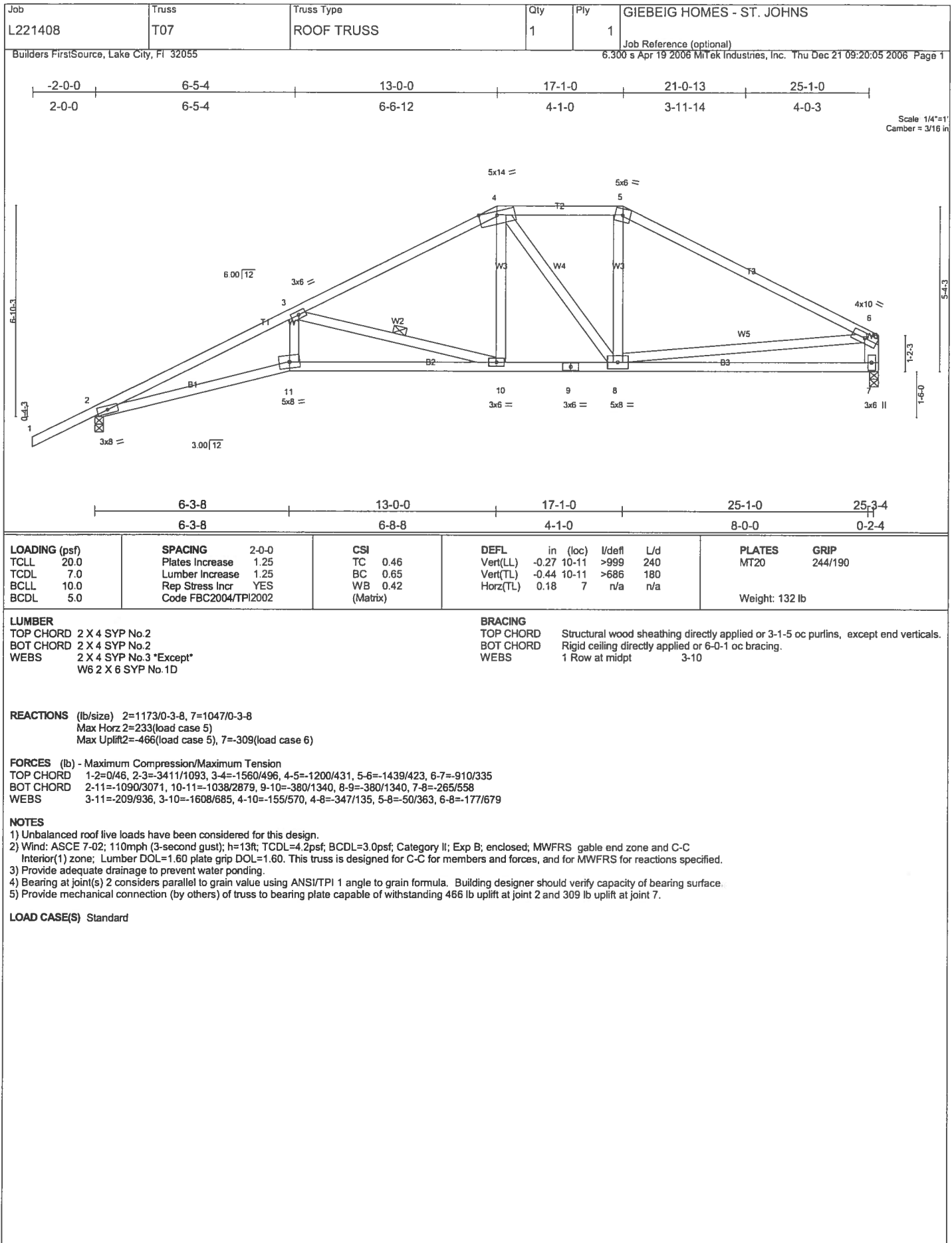
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/51, 2-3=-5231/2174, 3-4=-4675/2011, 4-5=-6252/2643, 5-6=-4675/2011, 6-7=-5231/2174, 7-8=0/51  
 BOT CHORD 2-11=-1902/4598, 10-11=-2612/6035, 9-10=-2590/6035, 7-9=-1862/4598  
 WEBS 3-11=-679/1853, 4-11=-1730/902, 4-10=0/385, 5-10=0/385, 5-9=-1730/902, 6-9=-679/1853

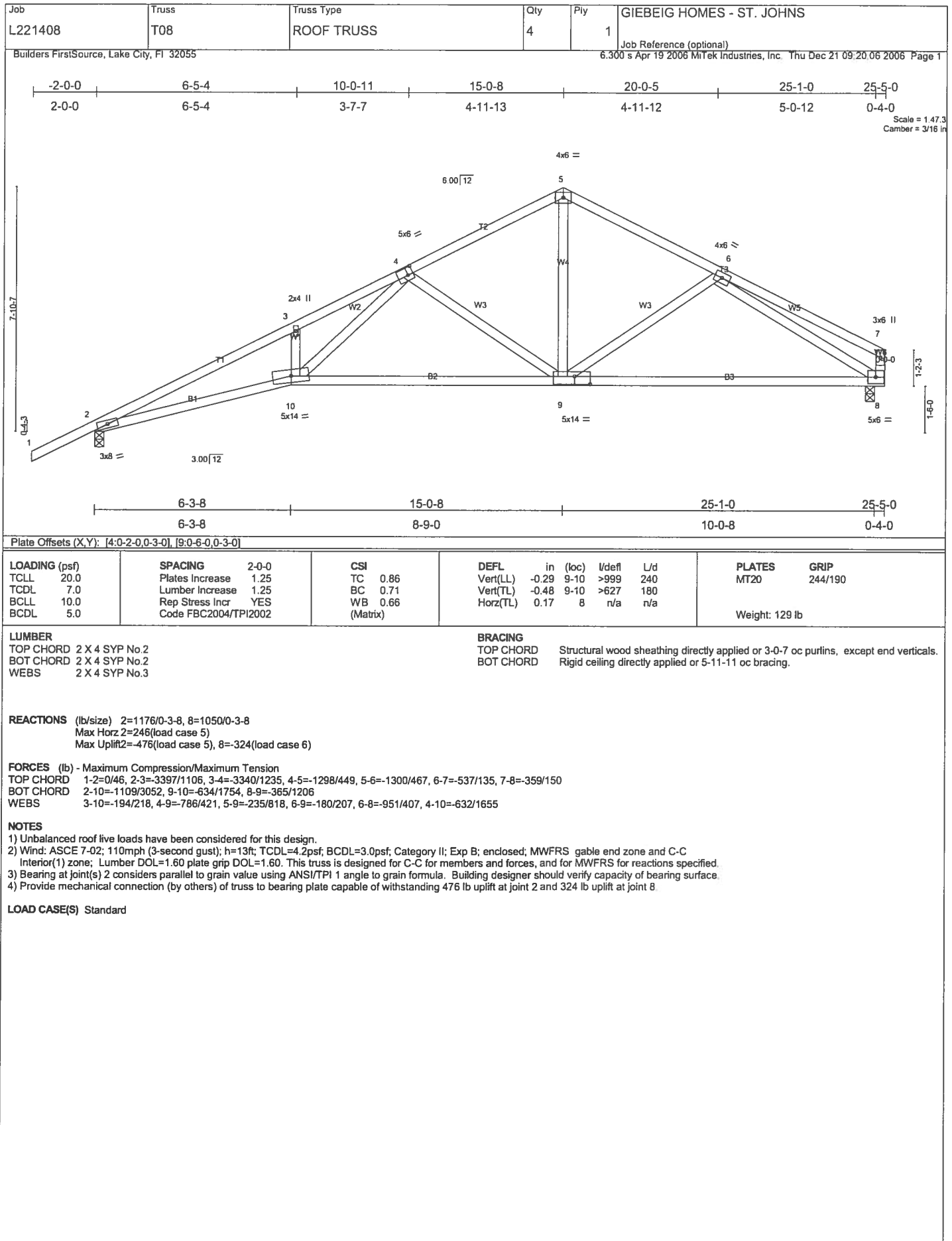
**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.  
 3) Provide adequate drainage to prevent water ponding.  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1158 lb uplift at joint 2 and 1158 lb uplift at joint 7.  
 5) Girder carries hip end with 7-0-0 end setback.  
 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 23-1-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.  
 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-11=-30, 9-11=-65(F=-35), 7-9=-30  
 Concentrated Loads (lb)  
 Vert: 11=-539(F) 9=-539(F)

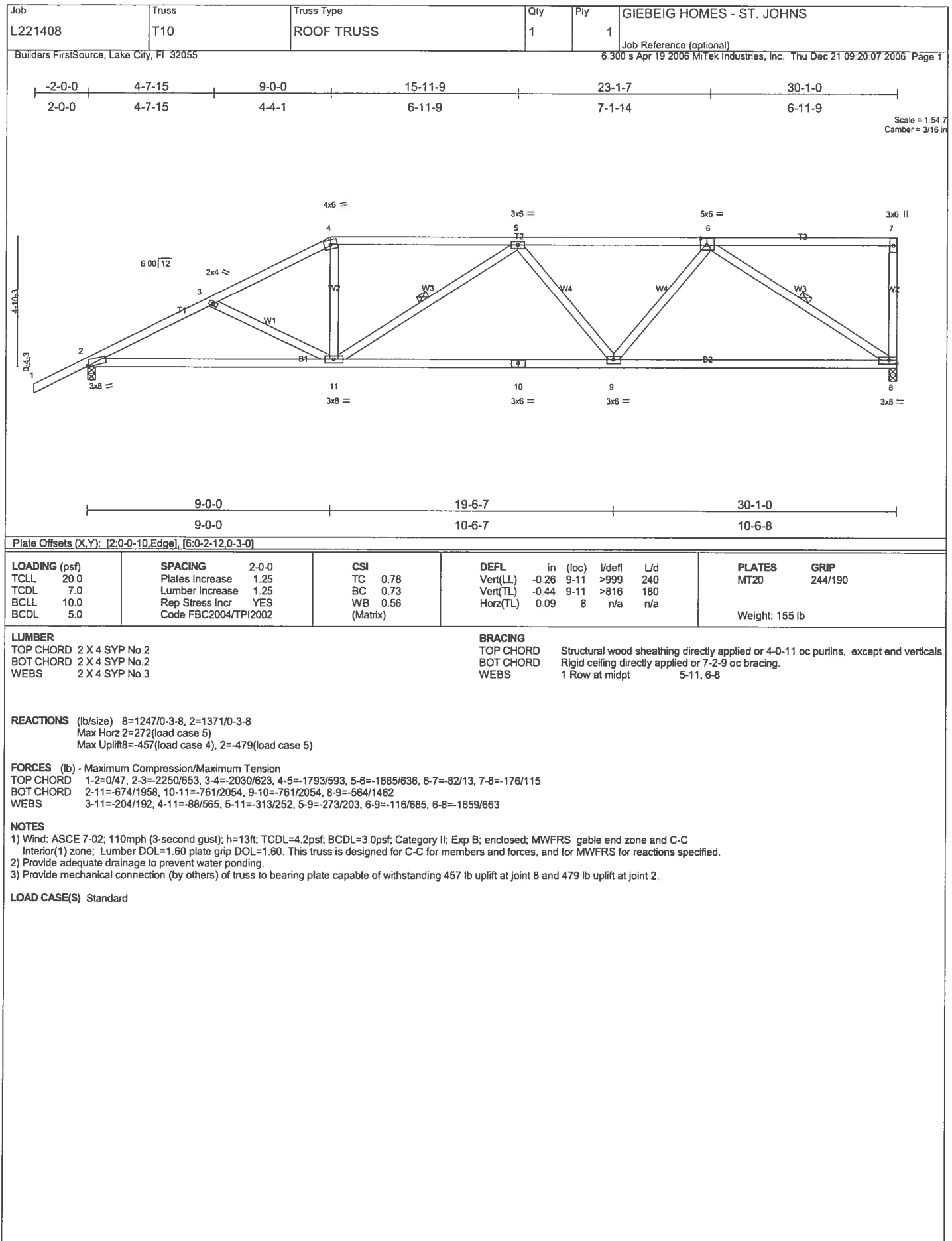




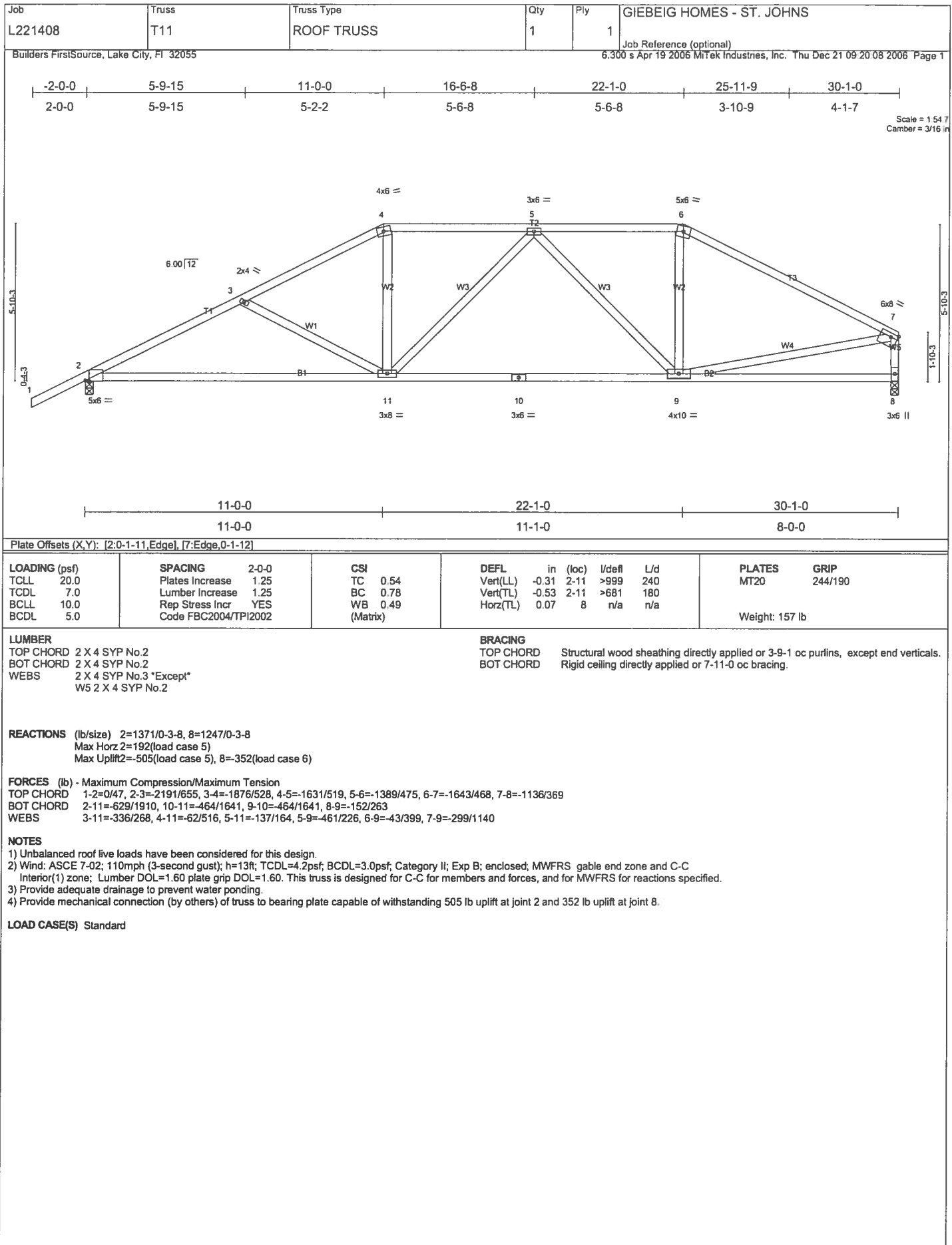


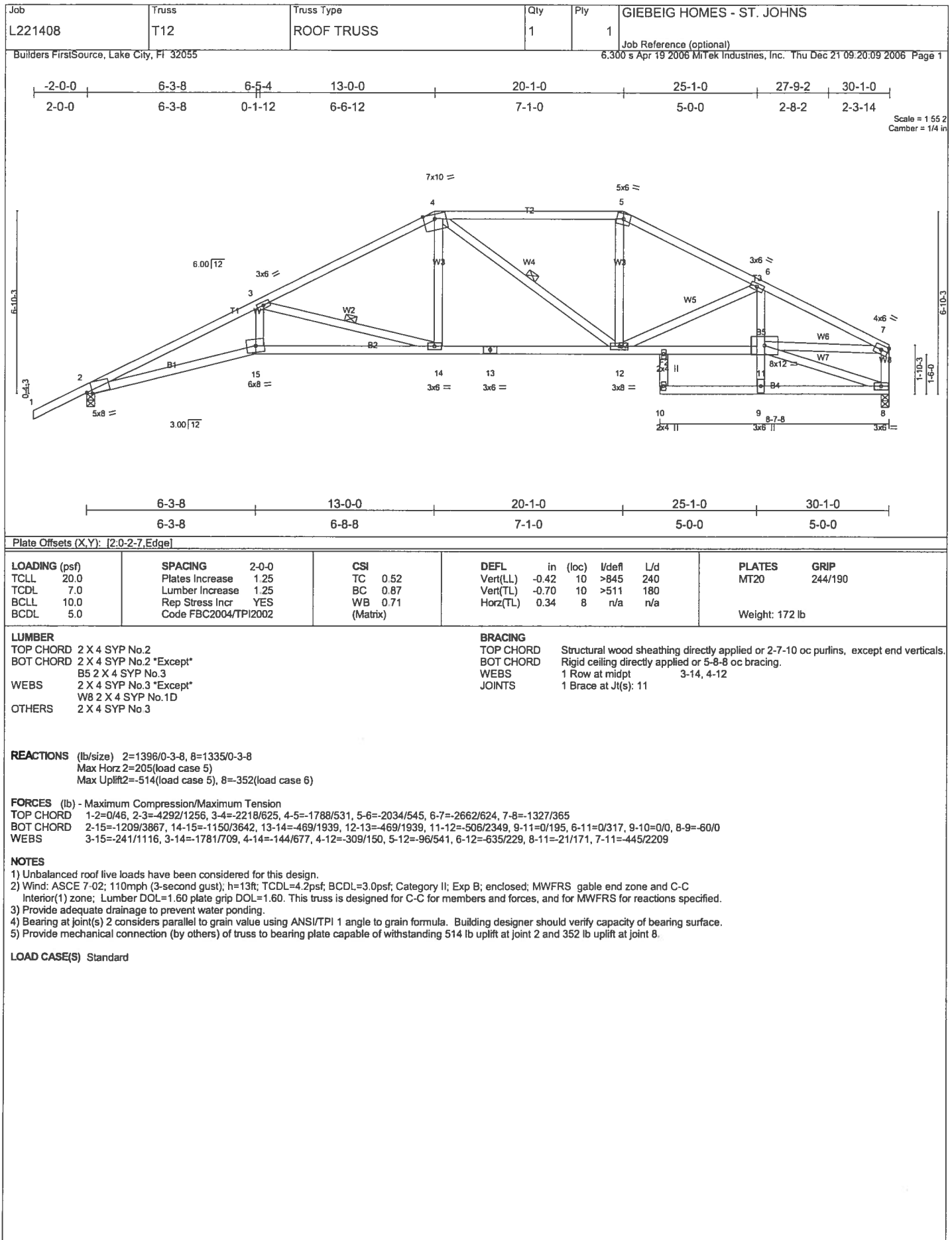


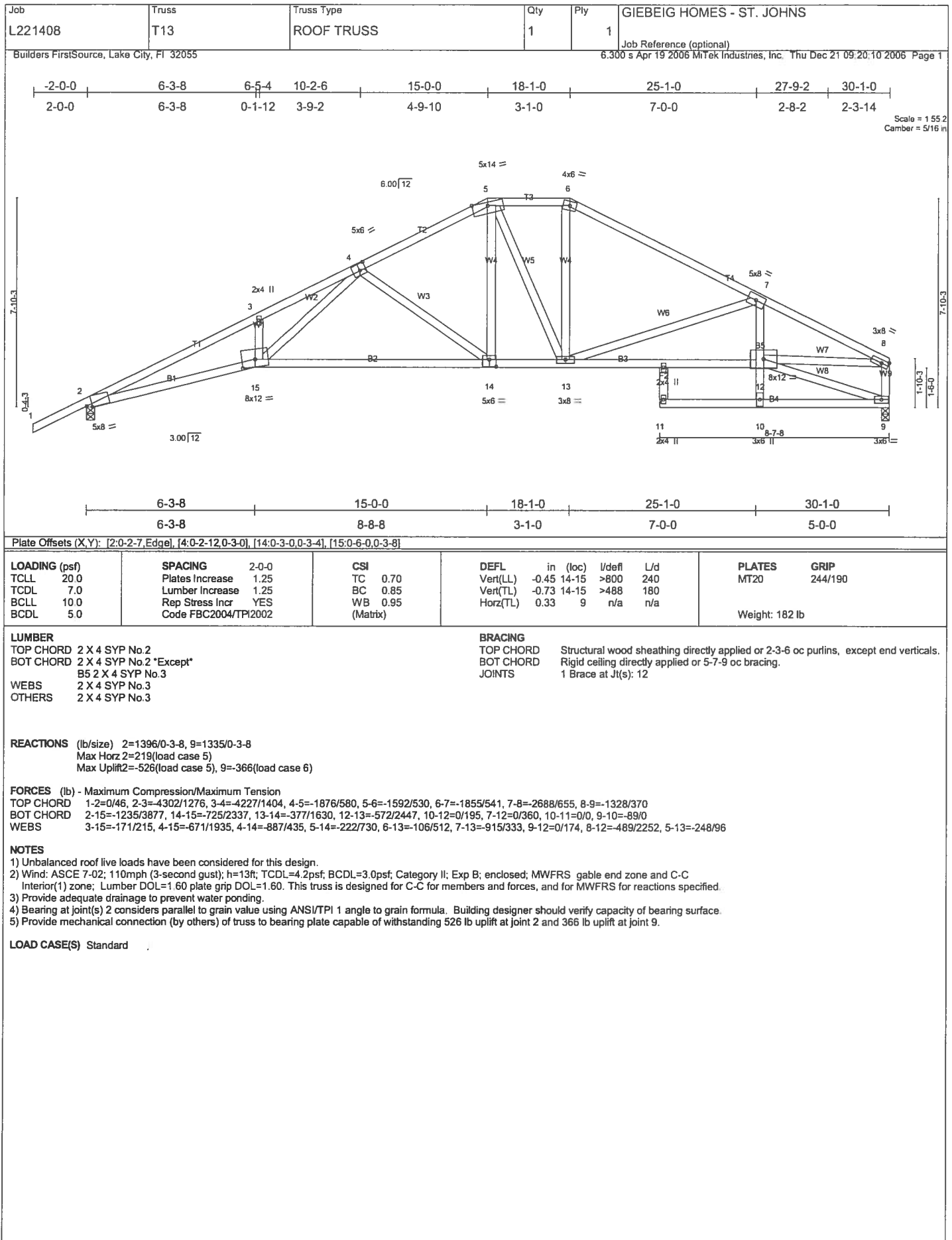




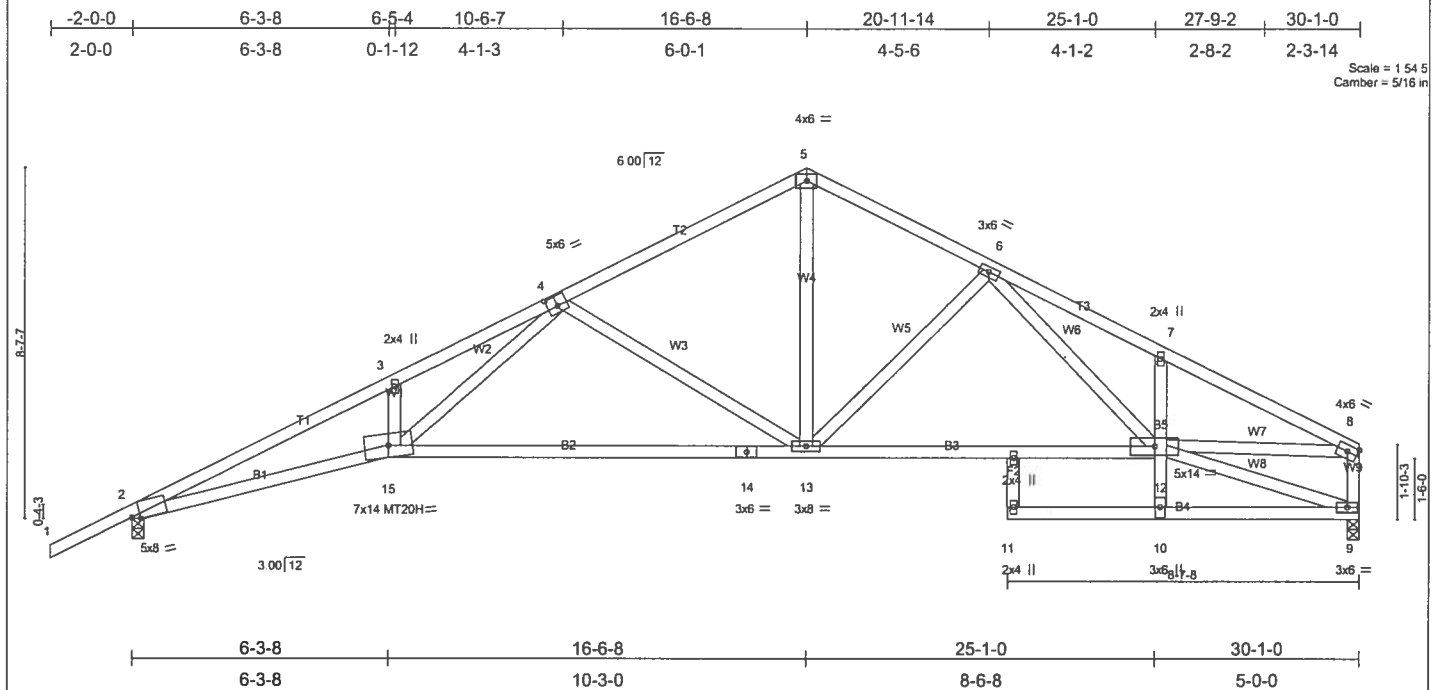








|                                           |              |                          |                                                                                                        |          |                           |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|---------------------------|
| Job<br>L221408                            | Truss<br>T14 | Truss Type<br>ROOF TRUSS | Qty<br>2                                                                                               | Ply<br>1 | GIEBEIG HOMES - ST. JOHNS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 21 09 20:11 2006 Page 1 |          |                           |



|                                                      |                      |            |                               |                |             |
|------------------------------------------------------|----------------------|------------|-------------------------------|----------------|-------------|
| Plate Offsets (X,Y): [2-0-2-7,Edge], [4-0-3-0,0-3-0] |                      |            |                               |                |             |
| <b>LOADING (psf)</b>                                 | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0                                            | 2-0-0                | TC 0.70    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCDL 7.0                                             | Plates Increase 1.25 | BC 0.92    | Vert(LL) -0.52 13-15 >687 240 | MT20H          | 187/143     |
| BCLL 10.0                                            | Lumber Increase 1.25 | WB 0.87    | Vert(TL) -0.86 13-15 >416 180 |                |             |
| BCDL 5.0                                             | Rep Stress Incr YES  | (Matrix)   | Horz(TL) 0.32 9 n/a n/a       |                |             |
|                                                      | Code FBC2004/TPI2002 |            |                               | Weight: 175 lb |             |

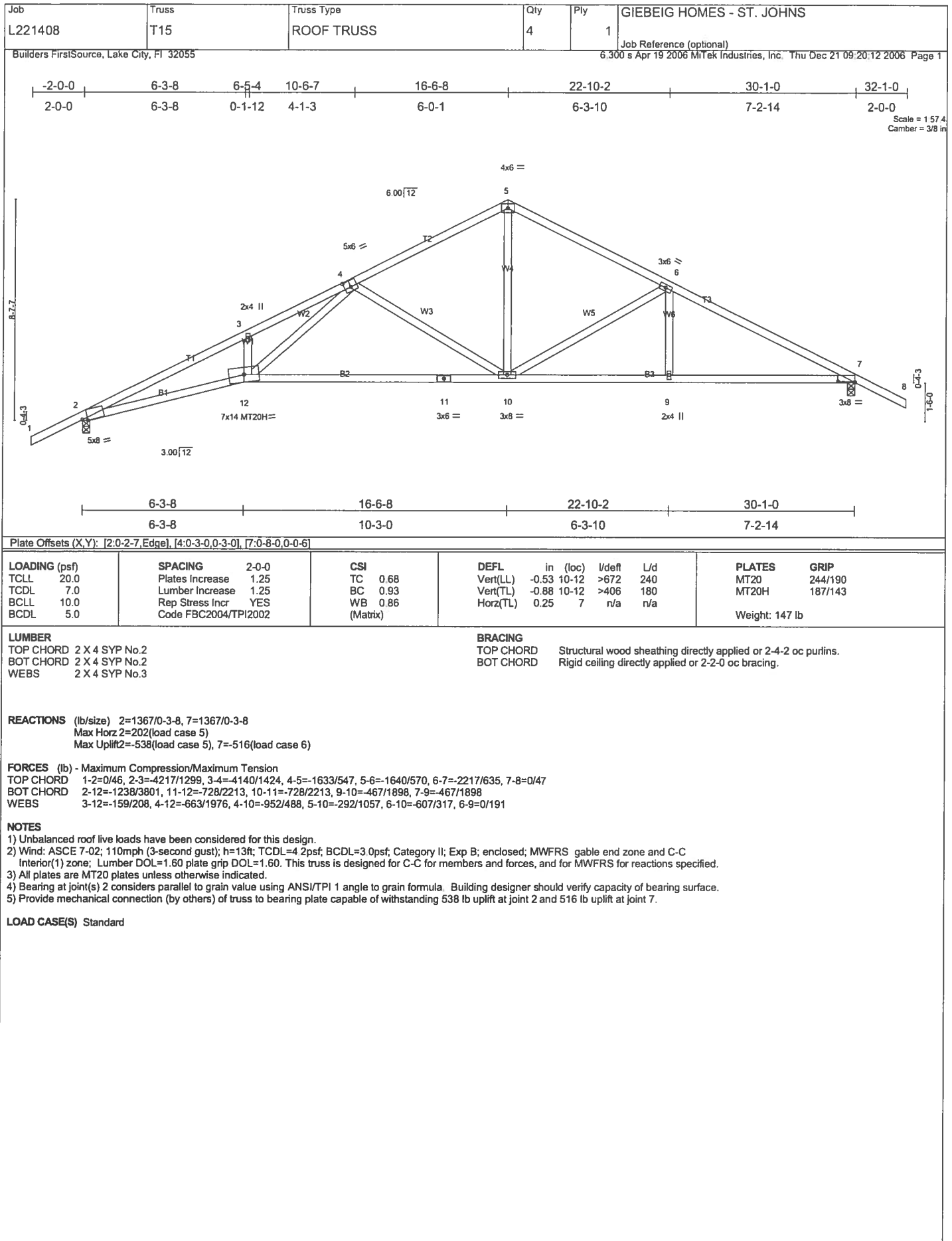
|                                   |                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>                     | <b>BRACING</b>                                                                                  |
| TOP CHORD 2 X 4 SYP No.2          | TOP CHORD Structural wood sheathing directly applied or 2-3-4 oc purlins, except end verticals. |
| BOT CHORD 2 X 4 SYP No.2 "Except" | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.                                   |
| B5 2 X 4 SYP No.3                 |                                                                                                 |
| WEBS 2 X 4 SYP No.3               |                                                                                                 |
| OTHERS 2 X 4 SYP No.3             |                                                                                                 |

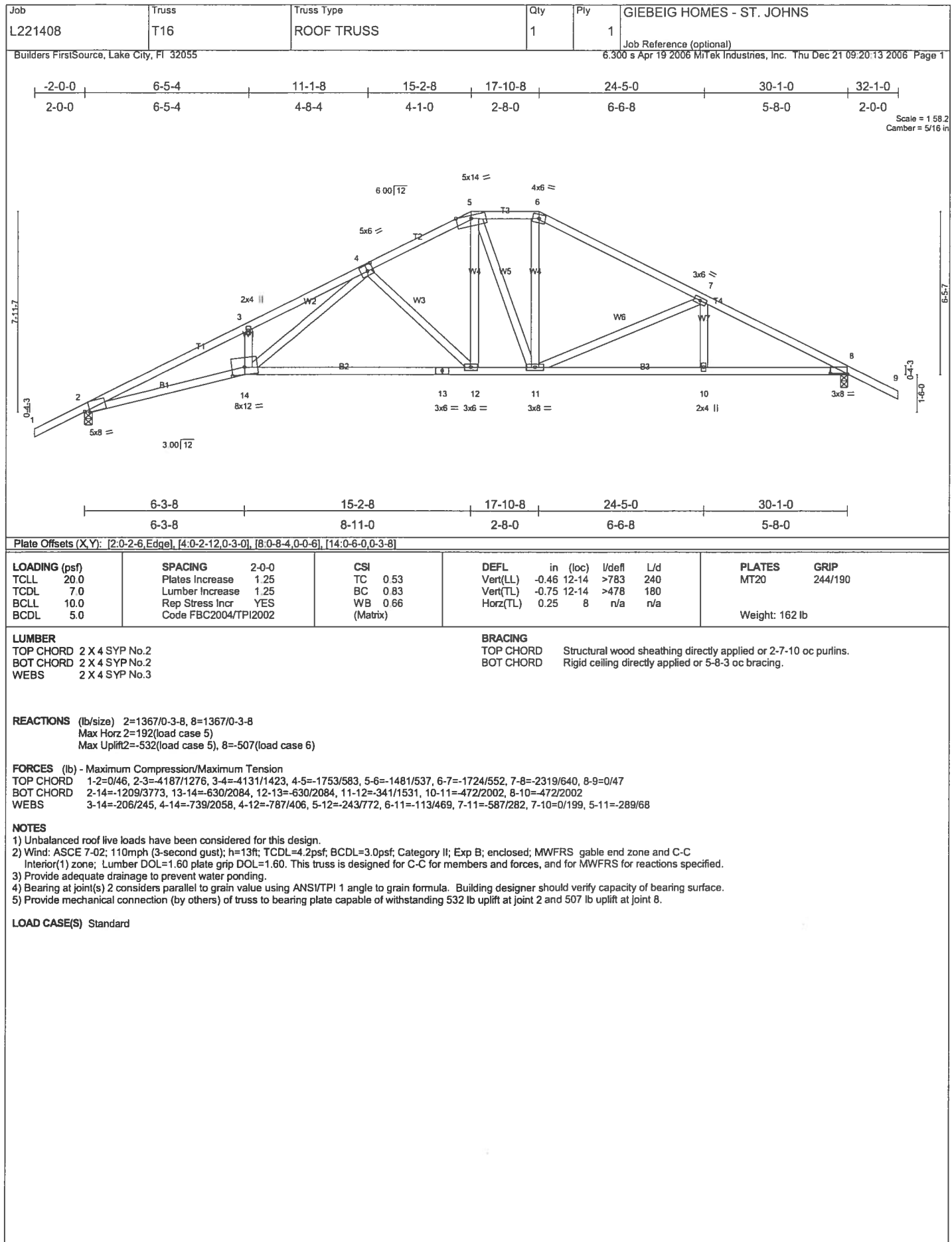
**REACTIONS** (lb/size) 2=1396/0-3-8, 9=1335/0-3-8  
 Max Horz 2=230(load case 5)  
 Max Uplift 2=-533(load case 5), 9=-376(load case 6)

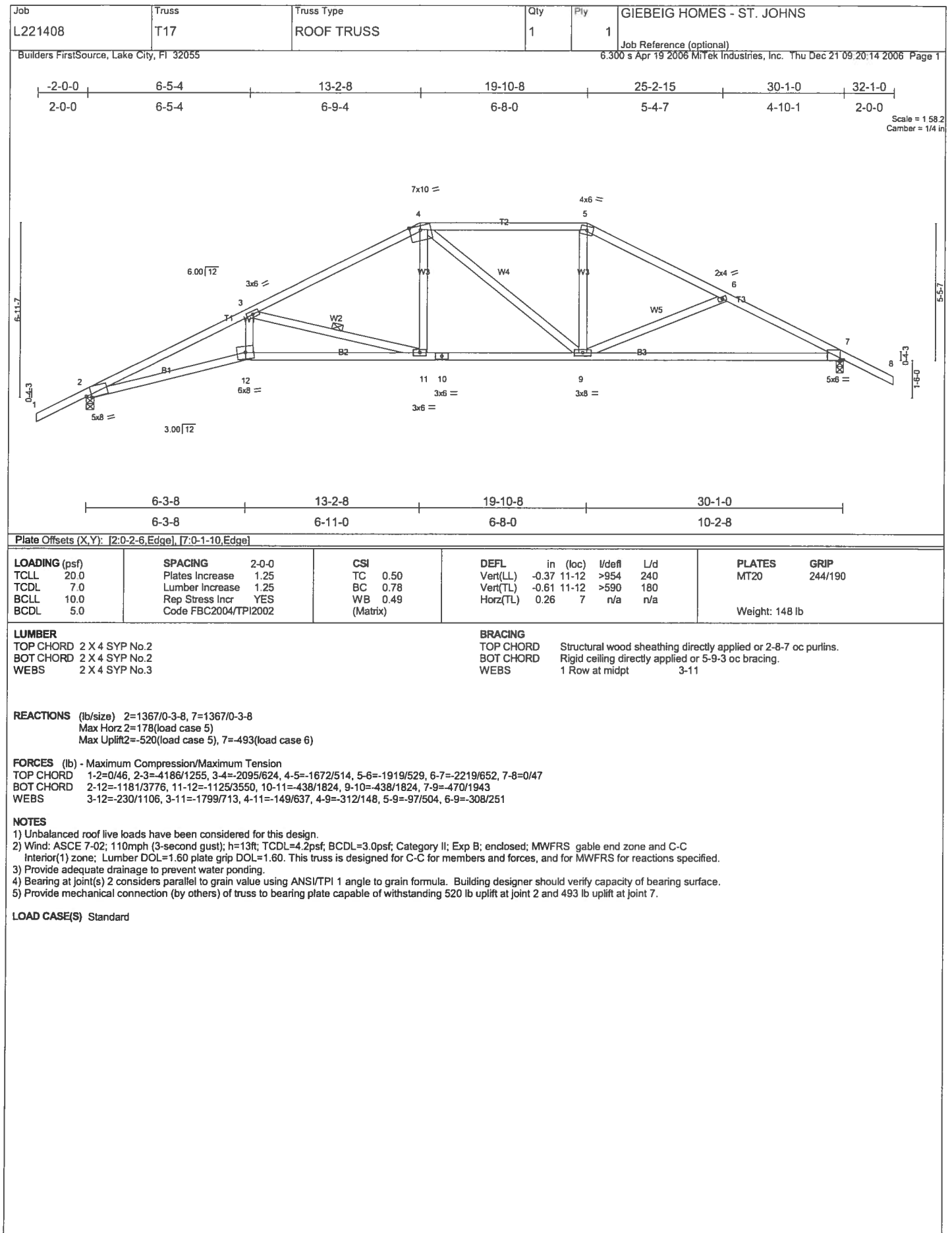
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/46, 2-3=-4324/1309, 3-4=-4245/1433, 4-5=-1718/540, 5-6=-1689/567, 6-7=-2645/761, 7-8=-2617/655, 8-9=-1337/387  
 BOT CHORD 2-15=-1276/3898, 14-15=-755/2297, 13-14=-755/2297, 12-13=-424/1807, 10-12=0/195, 7-12=-242/218, 10-11=0/0, 9-10=-102/0  
 WEBS 3-15=-159/207, 4-15=-676/1991, 4-13=-964/496, 5-13=-297/1159, 6-13=-515/265, 6-12=-194/761, 9-12=-17/219, 8-12=-470/2170

**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) All plates are MT20 plates unless otherwise indicated.  
 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.  
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 533 lb uplift at joint 2 and 376 lb uplift at joint 9.

**LOAD CASE(S)** Standard



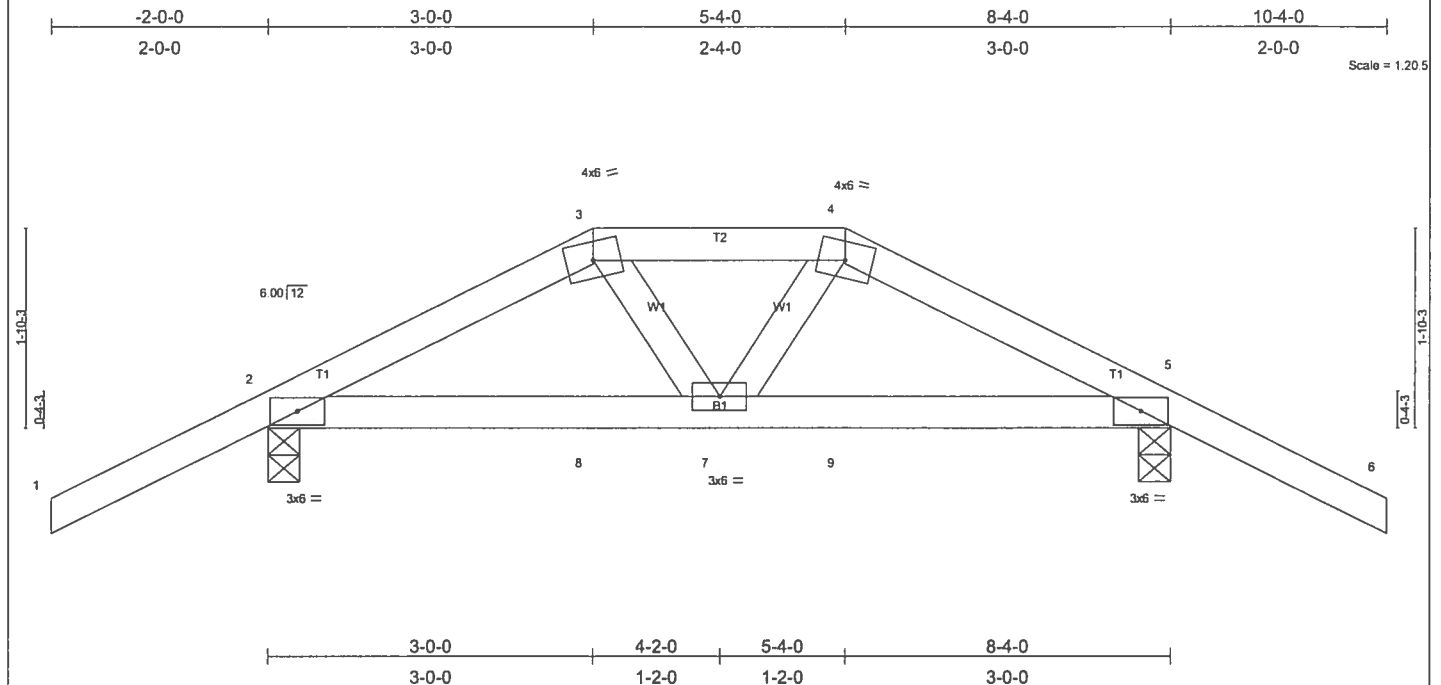




|         |       |            |     |     |                           |
|---------|-------|------------|-----|-----|---------------------------|
| Job     | Truss | Truss Type | Qty | Ply | GIEBEIG HOMES - ST. JOHNS |
| L221408 | T18   | ROOF TRUSS | 1   | 1   | Job Reference (optional)  |

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 Mitek Industries, Inc. Thu Dec 21 09:20:15 2006 Page 1



| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/def | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|-------|-----|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.27  | Vert(LL) | -0.01 | 2-7   | >999  | 240 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.18  | Vert(TL) | -0.02 | 2-7   | >999  | 180 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.05  | Horz(TL) | 0.01  | 5     | n/a   | n/a |               |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) |          |       |       |       |     |               |         |
|               | Code FBC2004/TPI2002 |          |          |       |       |       |     | Weight: 38 lb |         |

**LUMBER**

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

**BRACING**

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

**REACTIONS**

(lb/size) 2=534/0-3-8, 5=534/0-3-8  
 Max Horz 2=59(load case 4)  
 Max Uplift 2=-378(load case 4), 5=-378(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-562/287, 3-4=-538/302, 4-5=-562/287, 5-6=0/47  
 BOT CHORD 2-8=-218/457, 7-8=-218/457, 7-9=-206/457, 5-9=-206/457  
 WEBS 3-7=-97/158, 4-7=-97/158

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 2 and 378 lb uplift at joint 5.
- Girder carries hip end with 3-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 32 lb up at 5-4-0, and 63 lb down and 32 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

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

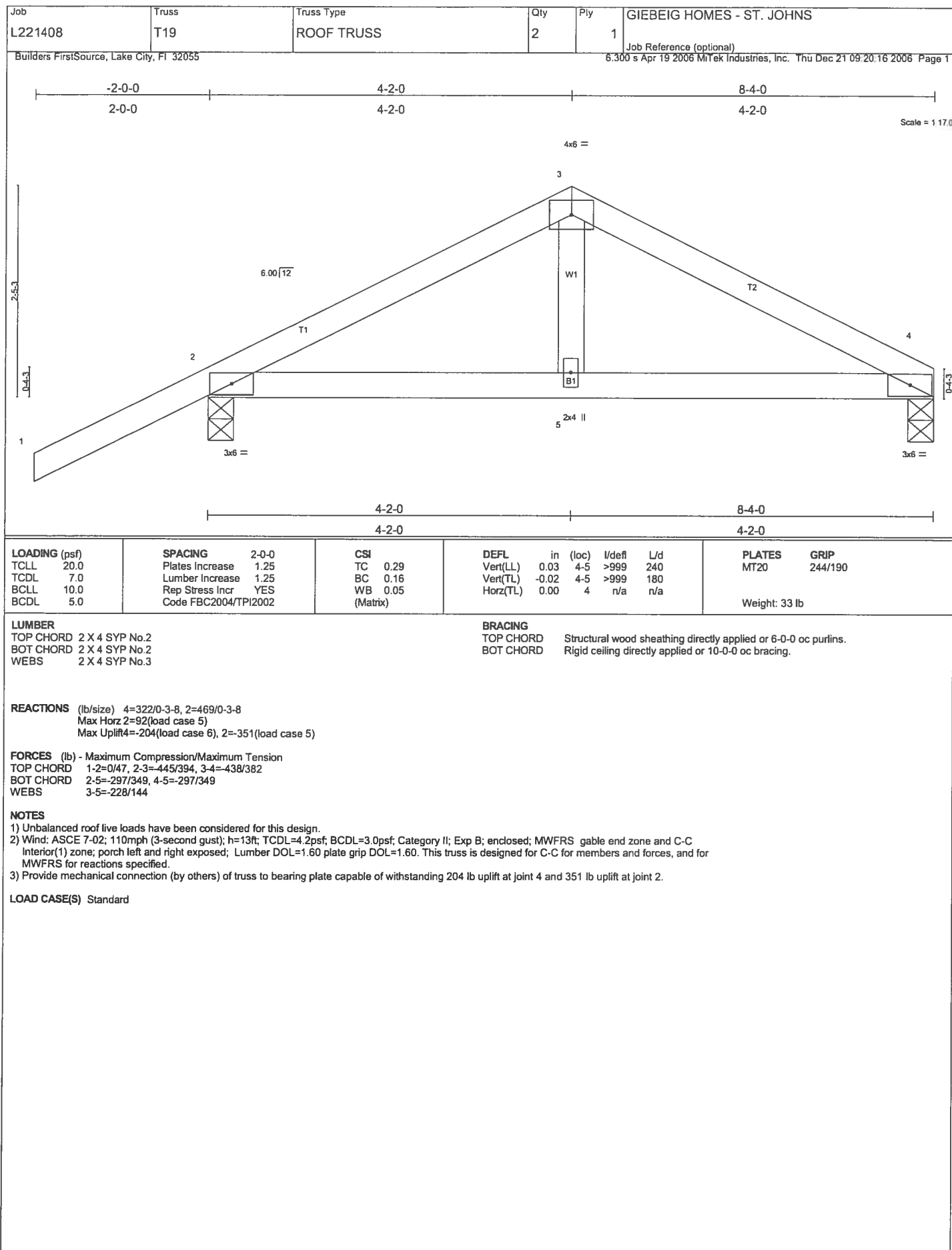
## Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-30, 8-9=-35(F=-5), 5-9=-30

## Concentrated Loads (lb)

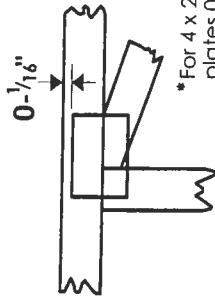
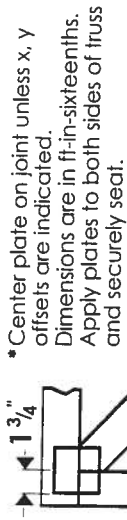
Vert: 8=-63(F) 9=-63(F)





## Symbols

### PLATE LOCATION AND ORIENTATION



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

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

### PLATE SIZE

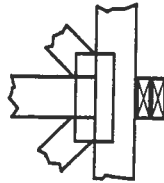
4 x 4

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

### LATERAL BRACING



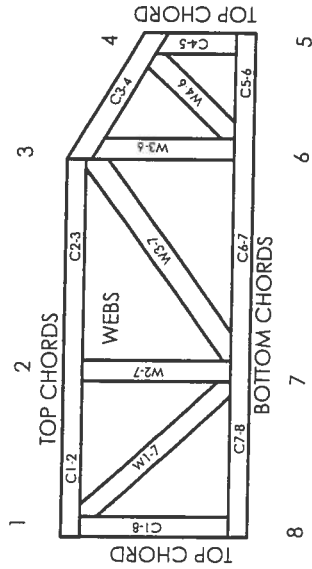
### BEARING



### Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Design Standard for Bracing.  
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

## Numbering System

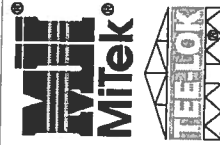


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

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

### CONNECTOR PLATE CODE APPROVALS

|       |                                     |
|-------|-------------------------------------|
| BOCA  | 96-31, 95-43, 96-20-1, 96-67, 84-32 |
| ICBO  | 4922, 5243, 5363, 3907              |
| SBCCI | 9667, 9730, 9604B, 9511, 9432A      |



Mitek Engineering Reference Sheet: MII-7473

## General Safety Notes

### Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

Outswing

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)

**Therma-Tru Corporation**  
1687 Woodlands Drive  
Maumee, Ohio 43537

### 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: "Classic Craft" 8'0 Outswing Opaque Fiberglass Door w & w/o Sidelites**

**APPROVAL DOCUMENT:** Drawing No. S-2162, titled "Classic Craft Opaque" Single & Double Outswing 8'0 Fiberglass Door, sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 11/10/01, with revision #2 dated 5/27/02, 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:** None

**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 **Manuel Perez, P.E.**



NOA No 02-0109.05  
Expiration Date: September 19, 2007  
Approval Date: September 19, 2002  
Page 1

# NOTES

1. MEET THE FLORIDA

2. MUST BE ANCHORED PROPERLY  
STRUCTURE.

3. AS LISTED AND SPACED AS  
EMBEDMENT TO BASE MATERIAL  
INSULATING OR STUCCO.

4. SEE TABLE SHEET 1.

5. FURTHER REQUIREMENTS FOR  
S" WITH USE OF HIGH DAM

6. IN AREAS REQUIRING WIND  
ORIDA BUILDING CODE  
SHUTTERS ARE REQUIRED.

7. CAN BE USED IN A  
ATION.

## FIBERGLASS DOOR

1. (in some conditions)  
2. 25" minimum thickness,  
3. 10 psi  
4. core,

5. in is constructed from a  
und (SMC). The interior cavity  
SF polyurethane foam. The  
the wood stiles and rails.  
VL or LSL. The latch stile  
latch reinforcement. The top  
composite material. In the  
live door is fitted with an  
6060-T6 alloy.  
6. uted from finger jointed pine. The  
(3) #8 x 2 1/2" long Phillips flathead  
ured together in a sidelite application  
7) screws per each mullion. The units  
r a Low Profile or High Water Dam type.  
sandwich glazed using a two piece  
; exterior with an 1/8" thk. cellular  
Silicon Compound. The lite frames are  
Plascrew or a #6-18 1 3/4" long

## F CONTENTS

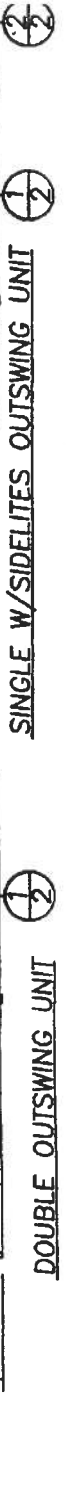
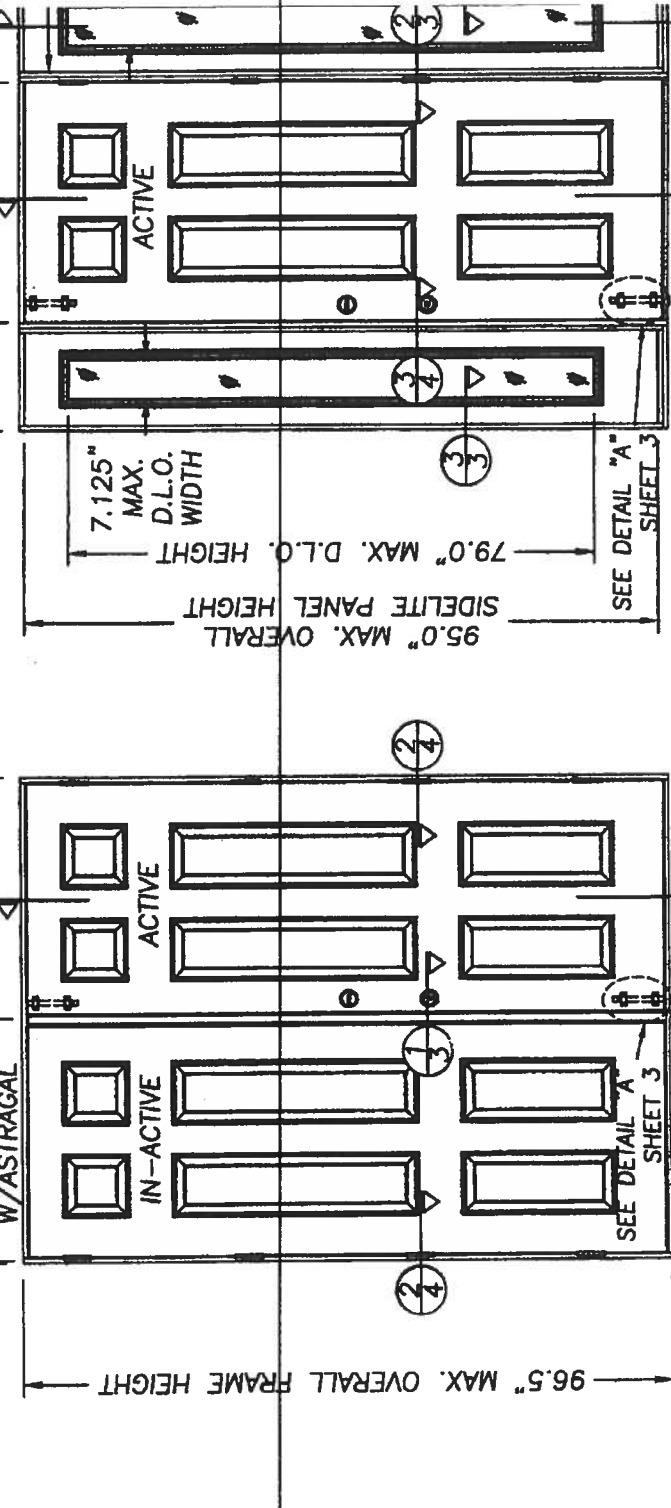
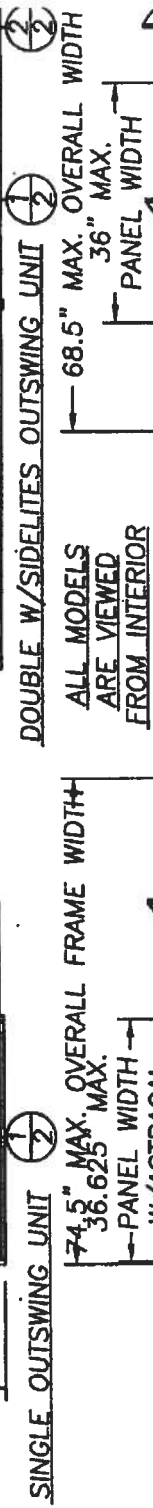
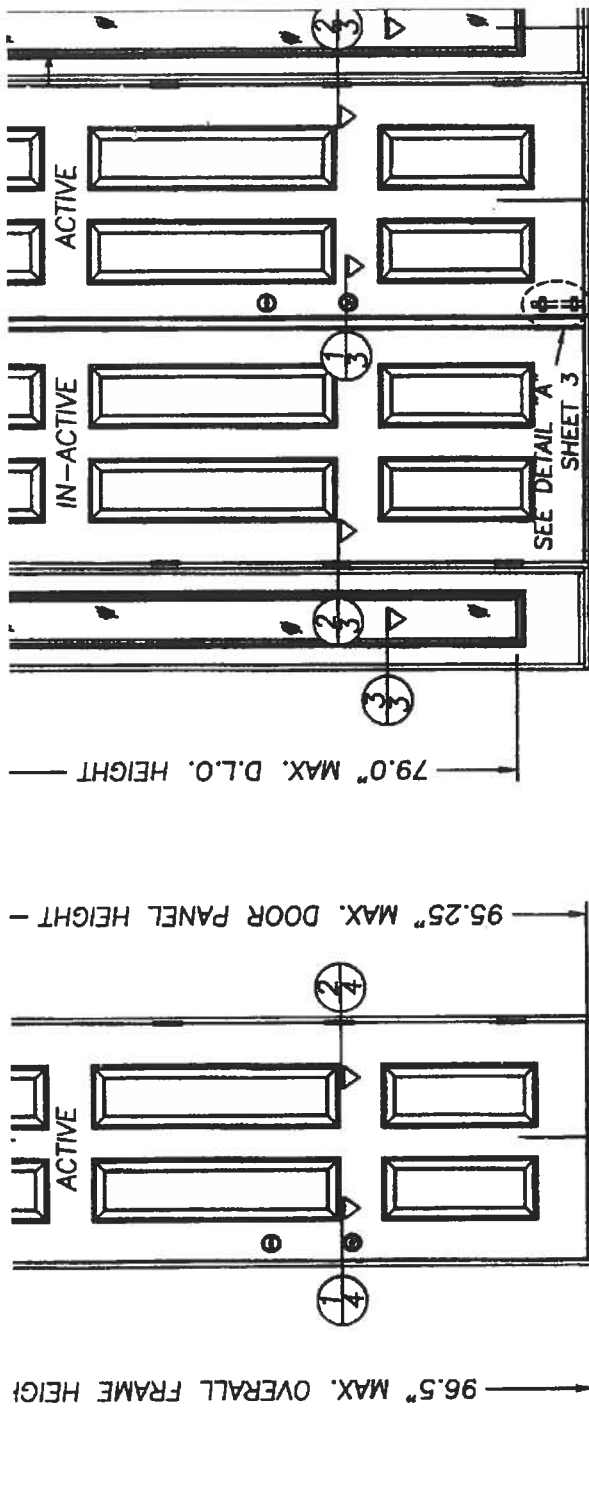
### DESCRIPTION

### & GENERAL NOTES

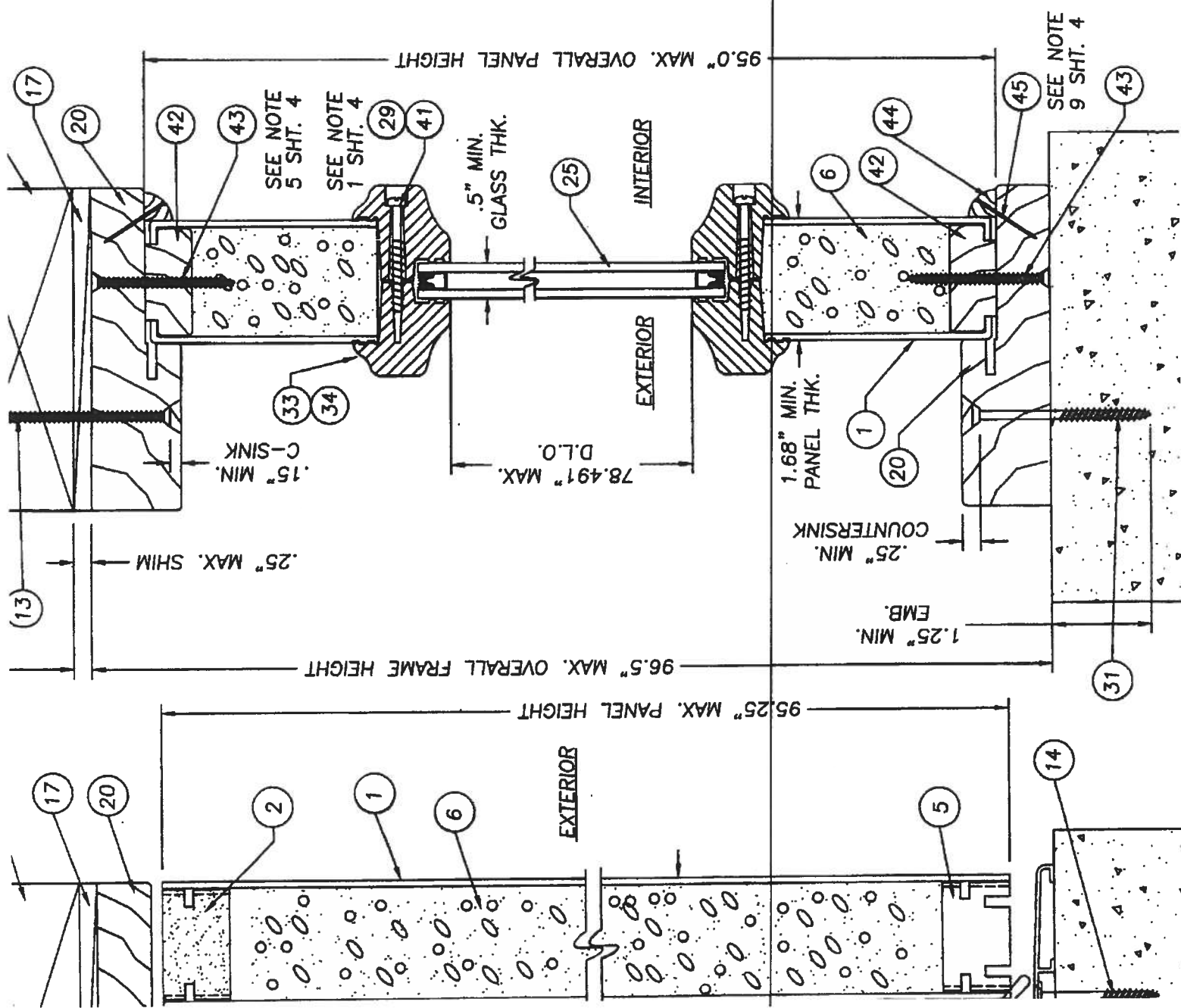
SECTION 9.0011 OF MATERIALS

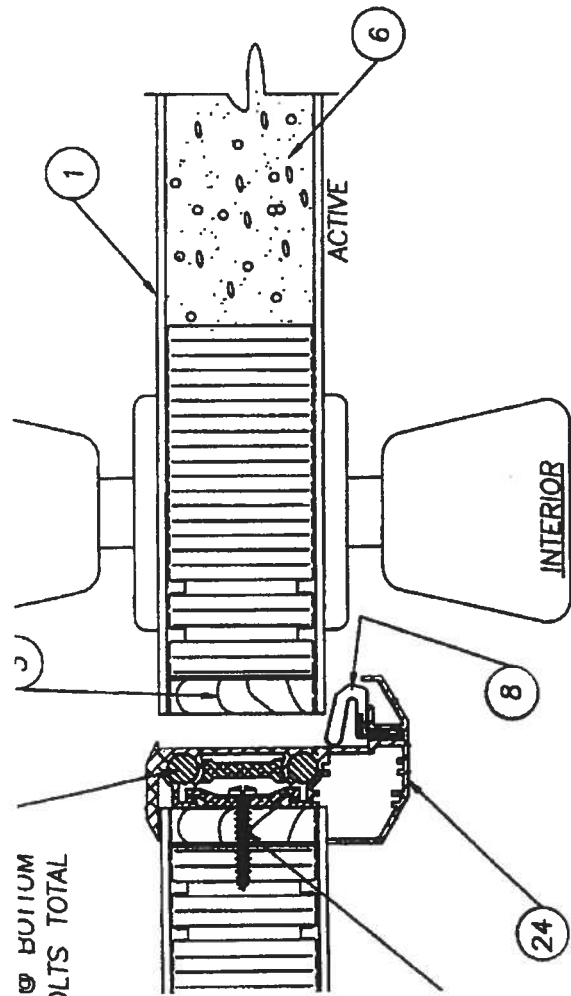
DESIGN PRESSURE RATING

WHERE WATER INFILTRATION IS REQUIRED

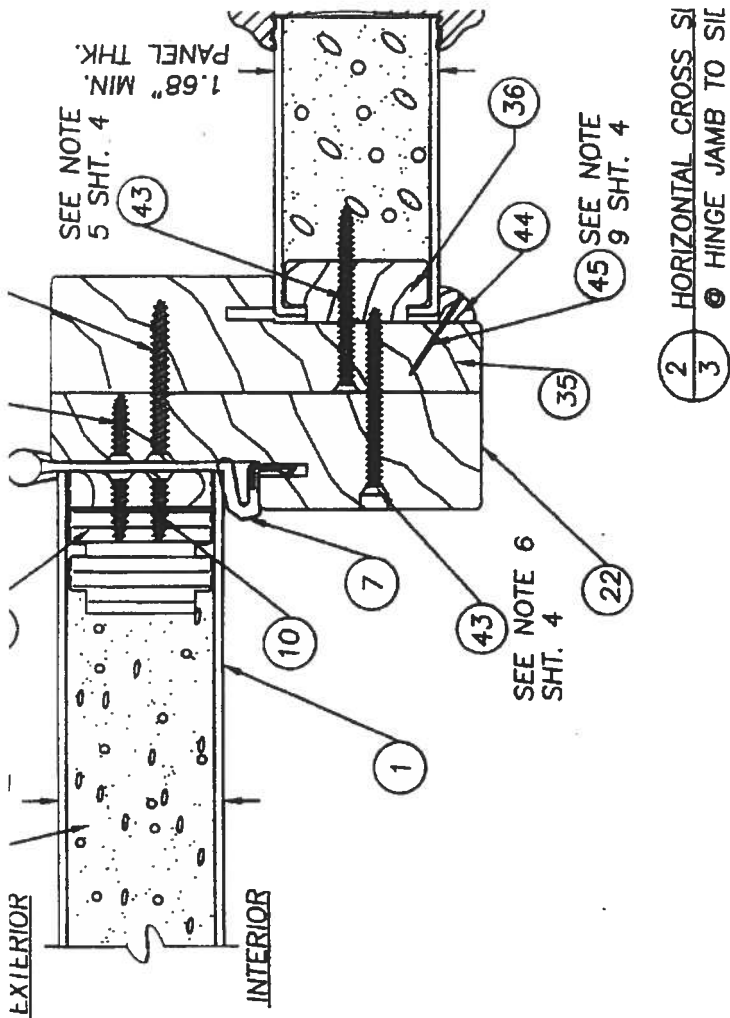


|    |                                                        |
|----|--------------------------------------------------------|
| 4  | HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x      |
| 5  | BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSI      |
| 6  | POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)              |
| 7  | SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU       |
| 8  | LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)       |
| 9  | 4" x 4" HINGE .097" THK. (THERMA-TRU)                  |
| 10 | #10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)         |
| 11 | NOT USED                                               |
| 12 | #10 x 2" LG. PFH WOOD SCREW                            |
| 13 | #8 x 2 1/2" LG. PFH WOOD SCREW                         |
| 14 | 3/16" TAPCON ANCHOR (ELCO)                             |
| 15 | NOT USED                                               |
| 16 | 2x INNER WOOD BUCK                                     |
| 17 | MAX. 1/4" SHIM MATERIAL                                |
| 18 | KWIKSET TITAN 700 SERIES PASSAGE LOCK                  |
| 19 | ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU)             |
| 20 | (NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"        |
| 21 | HEADER 4.656" x 1.211" (THERMA-TRU, PINE)              |
| 22 | 4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)          |
| 23 | 4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)           |
| 24 | KWIKSET TITAN 700 SERIES DEADBOLT                      |
| 25 | ASTRAGAL WINDJAMBER II WRBOT (.052" WALL)              |
| 26 | GLAZING, 1/2" INSULATED TEMPERED GLASS                 |
| 27 | NOT USED                                               |
| 28 | #8 x 1" LG. PANHEAD SHEET METAL SCREW                  |
| 29 | NOT USED                                               |
| 30 | #6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM       |
| 31 | 3/16" TAPCON ANCHOR (ELCO, 2.5" MIN. LG.)              |
| 32 | 1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)          |
| 33 | PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)               |
| 34 | PLASTIC LIP LITE FRAME (SMC THERMA-TRU)                |
| 35 | 4.656" x 1.211" BLANK JAMB (THERMA-TRU, PINE)          |
| 36 | SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PINE)  |
| 37 | #10 x 1 3/4" LG. PFH WOOD SCREW                        |
| 38 | SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4 |
| 39 | HIGH WATER DAM THRESHOLD                               |
| 40 | (USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES     |
| 41 | SILICONE CAULK (DOW 795)                               |
| 42 | #8-10 x 1 1/2" PLASCREW (FOR ITEM #34)                 |
| 43 | SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" |
| 44 | #8 x 2" LG. PFH WOOD SCREW                             |
| 45 | 3/8" x 3/8" QUARTER ROUND FINGER JOINED PINE           |
| 46 | 1" L. x .040" DIA. BRAD TRIM NAIL                      |
| 47 | MES SURFACE BOLT #454 8.0" L. x .25" THK. STEEL        |
| 48 | 1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L.        |

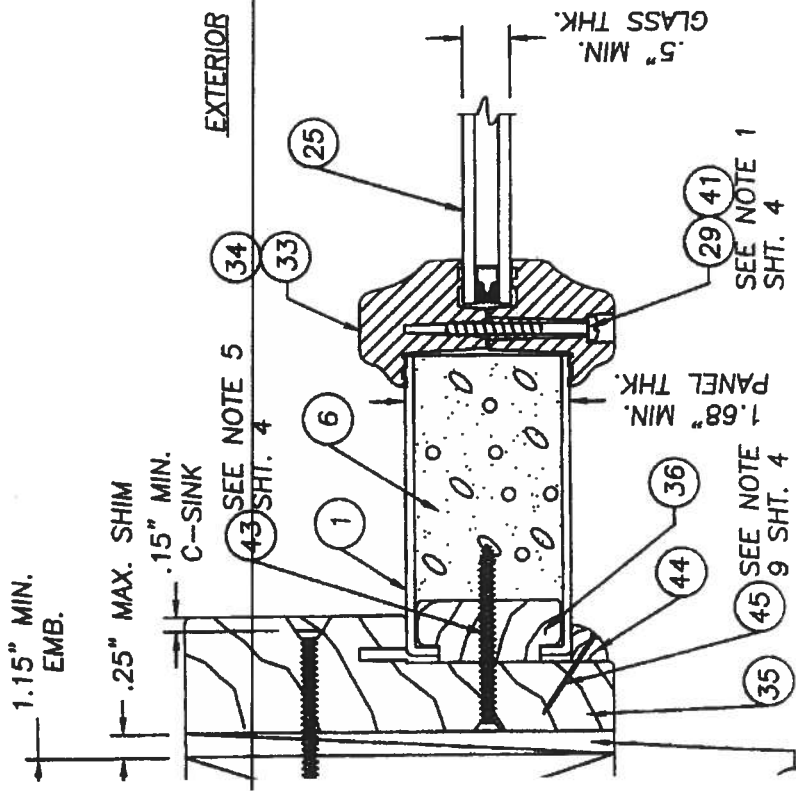




1 HORIZONTAL CROSS SECTION  
3 ASTRAGAL  
(SEE DESIGN PRESSURE RATE CHART)

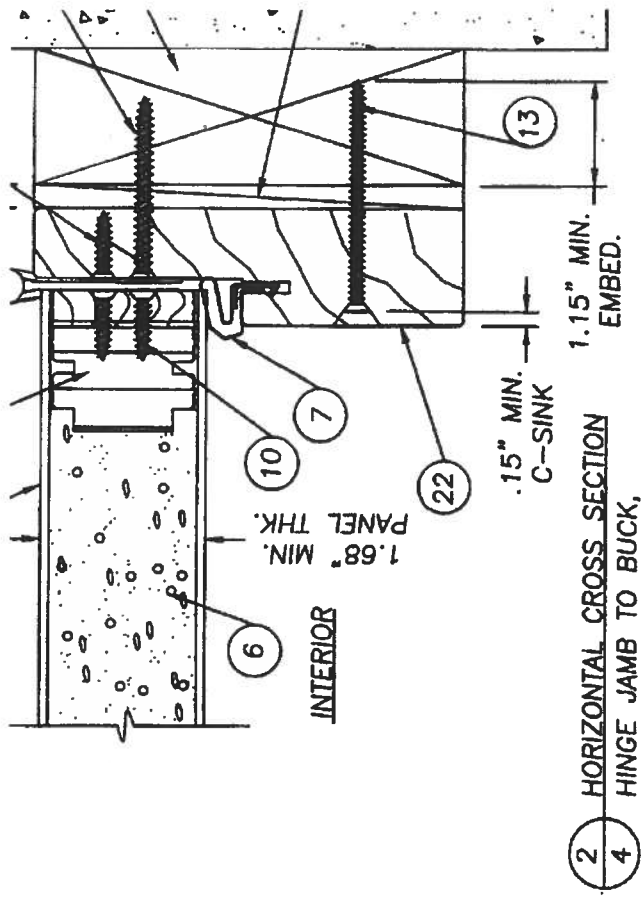
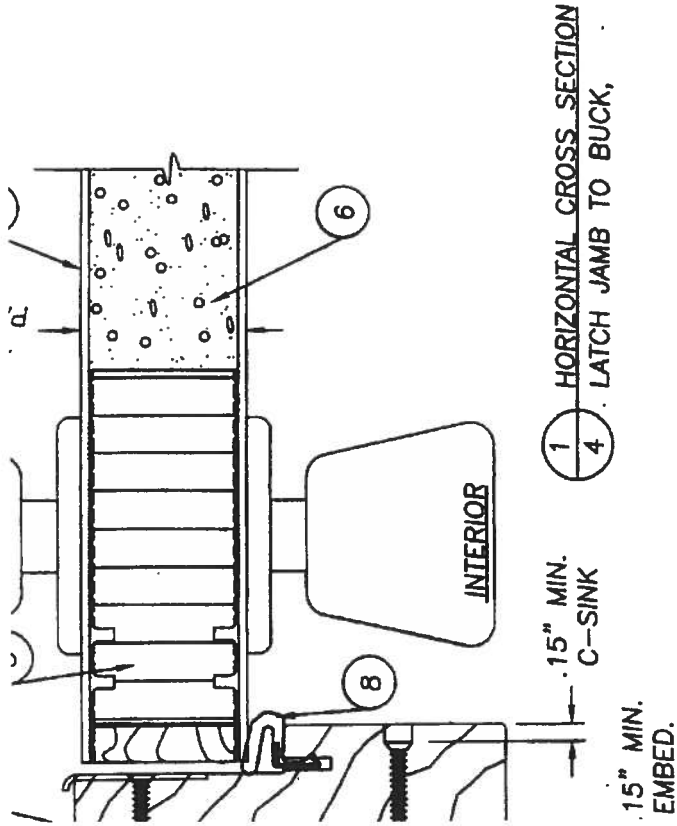


2 HORIZONTAL CROSS SECTION  
3 HINGE JAMB TO SILL  
(SEE NOTE 5 SHT. 4)



DETAIL "A"

OPTIONAL SURFACE BOLTS IN ACTIVE  
(SEE DESIGN PRESSURE CHART)



CREWS) IS AS FOLLOWS: FROM 6.5", WITH (7) MORE SPACED (2) SCREW BOTH TOP AND EACH CORNER. 1" PANHEAD SCREW TO THE INACTIVE DOOR IS AS DOWN 1", 3", 5", 18.25", 54" TO THE SIDE JAMBS WITH

TO THE SIDE JAMBS WITH

INTO THE JAMB WITH (12)

THERE ARE (4) AT

THE TOP DOWN AT 13.5",

(2) AT THE HEADER AT 4"

S OF THE FRAME. THERE ARE

THE OUTSIDE CORNERS.

W SECURING THE MULLIONS

THE PERIMETER ANCHORING

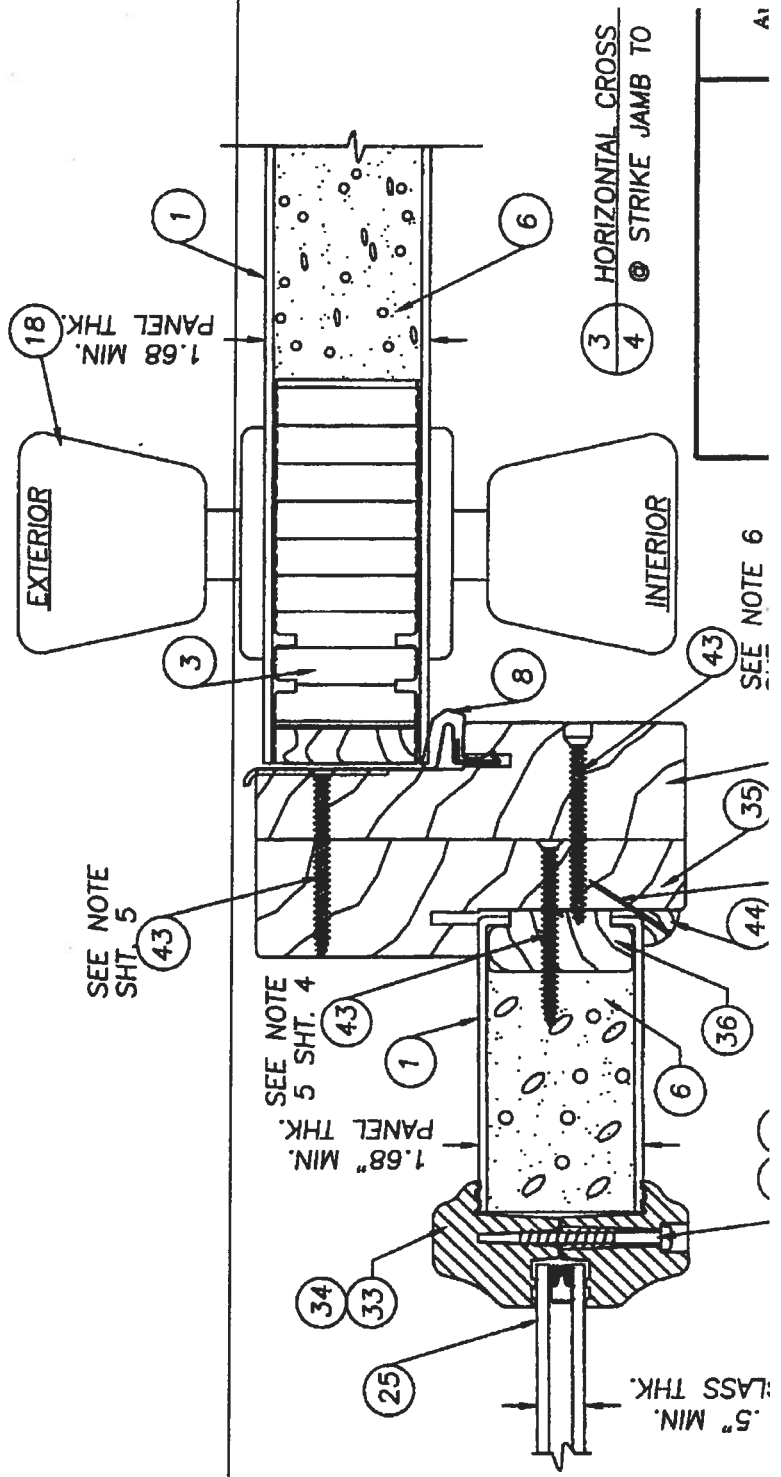
IE TOP AND UP FROM THE

ICED AT 16.9" O.C.

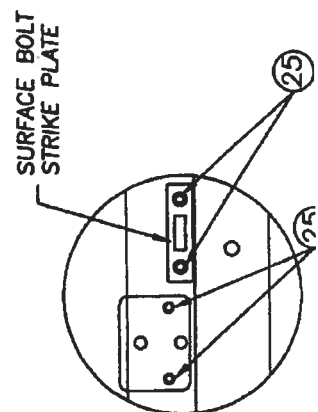
TO THE JAMB AND THE BUCK

N ATTACHING THE HINGE TO

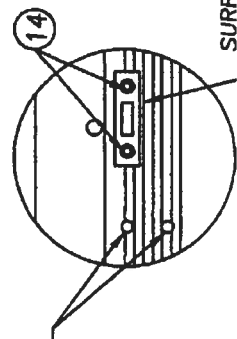
AT THE MULLION USE ITEM



SEE NOTE 6



DRILL THRU FOR  
A  $\phi$ .357" BOLT DEEP  
ENOUGH FOR A 2"  
BOLT THROW



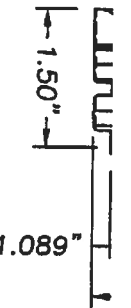
**SURFACE BOLT**

NOTE:  
USE #8 x 2 1/2" PFH WOOD SCF  
STRIKE AND DEADBOLT PLATES TO  
ASTRALG EXCEPT IN THE MULLED  
THE SIDELITE USE #8 x 2" PFH W





E

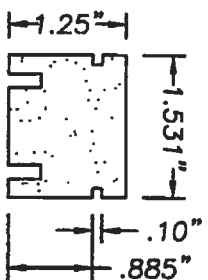


4

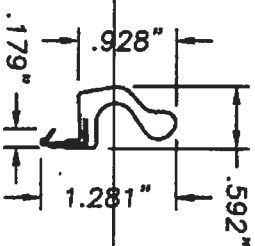
HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL  
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTI, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

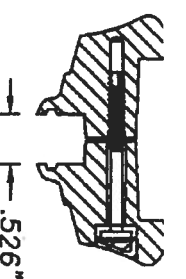
2 TOP RAIL  
WOOD COMPOSITE



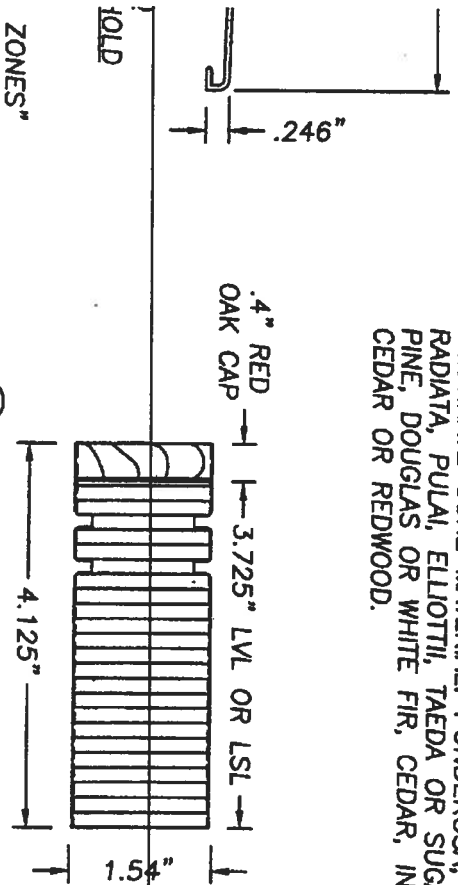
5 BOTTOM RAIL  
WOOD COMPOSITE



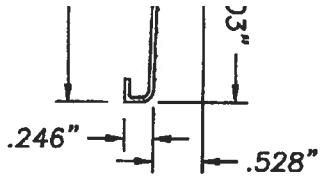
34 PLASTIC LIP LITE FRAME  
EXTRUDED SMC



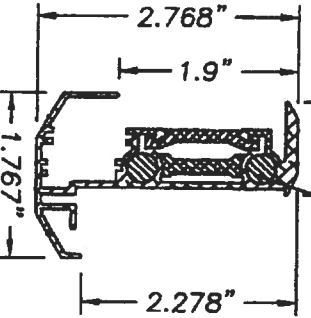
33 PL



3 LATCH SIDE STILE/ LOCK BLOCK  
LVL OR LSL W/ KILN DRIED RED OAK CAP

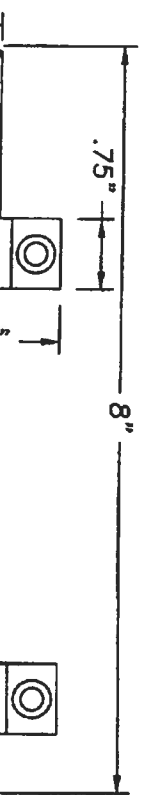


ASTRAGAL RETAINER BOLTS,  
(2) 17.0" LG. X 0.3125" DIA.  
● TOP & (2) 8.0" LG. X  
0.3125" DIA. ● BOTTOM  
(4) BOLTS TOTAL

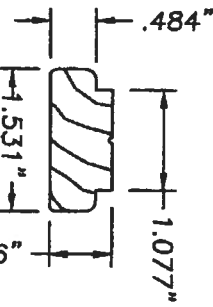
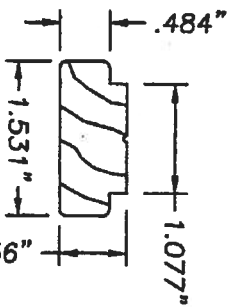


24 WINDJAMBER II WR80T

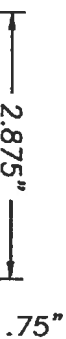
ASTRAGAL (ALUMINUM .052" WALL THK.)



42 SIDELITE TOP & BOTTOM RAIL  
FINGER JOINTED PONDEROSA PINE



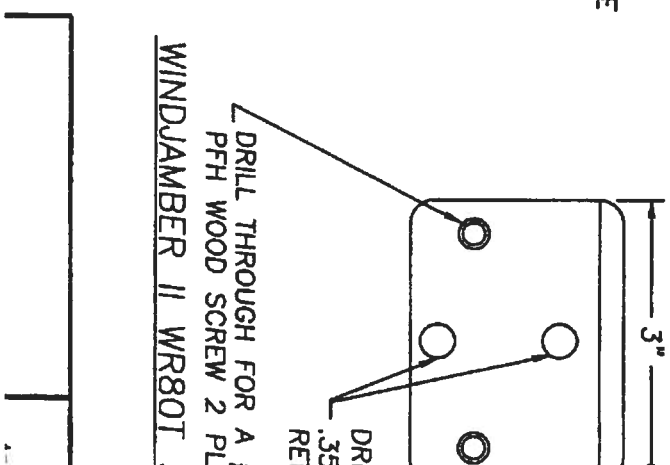
36 SIDELITE BLANK SIDE STILE  
FINGER JOINTED PONDEROSA PINE



8 LONG REACH  
COMPRESSION WEATHERSTRIP  
FOAM CELL CORE  
W/VINYL JACKET

7

WINDJAMBER II WR80T  
DRILL THROUGH FOR A 1  
PFH WOOD SCREW 2 PL





**AAMA/WDMA/CSA 101/I.S.2/A440-05  
TEST REPORT**

**Rendered to:**

**MI WINDOWS AND DOORS, INC.**

**SERIES/MODEL: 165**

**PRODUCT TYPE: Aluminum Single Hung (Fin)**

| <b>Title</b>                                | <b>Summary of Results</b>                          |
|---------------------------------------------|----------------------------------------------------|
| Primary Product Designator                  | H-LC30 1114 x 1905 (44 x 75)                       |
| Operating Force (in motion)                 | 76 N (17 lbf)                                      |
| Air Infiltration                            | 1.0 L/s/m <sup>2</sup> (0.20 cfm/ft <sup>2</sup> ) |
| Water Penetration Resistance Test Pressure* | 260 Pa (5.43 psf)                                  |
| Uniform Load Structural Test Pressure       | ±2160 Pa (45.14 psf)                               |
| Forced Entry Resistance                     | Grade 10                                           |

\*-Optional Secondary Designators

**Test Completion Date:** 03/16/06

Reference must be made to Report No. 63771.01-109-47, 03/29/06 for complete test specimen description and data.



**AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT**

Rendered to:

MI WINDOWS AND DOORS, INC  
650 West Market Street  
P.O. Box 370  
Gratz, Pennsylvania 17030-0370

Report No.: 63771.01-109-47

Test Dates: 03/14/06

Through: 03/16/06

Report Date: 03/29/06

Expiration Date: 03/16/10

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 165, aluminum single hung window at the MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an H-LC30 1114 x 1905 (44 x 75) rating. Test specimen description and results are reported herein.

**Test Specification:** The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights*.

**Test Specimen Description:**

**Series/Model:** 165

**Product Type:** Aluminum Single Hung (Fin)

**Overall Size:** 1114 mm (43-7/8") wide by 1905 mm (75") high

**Interior Sash Size:** 1078 mm (42-7/16") wide by 952 mm (37-1/2") high

**Fixed Daylight Opening Size:** 1032 mm (40-5/8") wide by 892 mm (35-1/8") high

**Screen Size:** 1048 mm (41-1/4") wide by 946 mm (37-1/4") high

**Overall Area:** 2.1 m<sup>2</sup> (22.8 ft<sup>2</sup>)

**Test Specimen Description:** (Continued)

**Finish:** All aluminum was white.

**Frame Construction:** The frame was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with two #6 x 3/4" screws. The fixed meeting rail was secured with a PVC bracket that was fastened to the frame with two #6 x 5/8" self-tapping screws and fastened to the fixed meeting rail with two #6 x 1/2" screws.

**Sash Construction:** The sash was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with one #6 x 1" screw.

**Glazing Details:** The unit was glazed with 1/2" thick insulating glass constructed of two sheets of 1/8" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was set from the interior onto a silicone bedding and secured with snap-in PVC glazing beads.

**Weatherstripping:**

| <u>Description</u>                                                   | <u>Quantity</u> | <u>Location</u>    |
|----------------------------------------------------------------------|-----------------|--------------------|
| 0.187" backed by 0.250" high polypile with center fin                | 1 Row           | Stiles             |
| 0.187" backed by 0.270" high polypile with center fin                | 1 Row           | Stiles             |
| 0.187" backed by 0.210" high polypile with center fin                | 1 Row           | Fixed meeting rail |
| 0.187" backed by 0.250" high polypile, 1" long pad                   | 2               | Sill, each end     |
| 0.187" backed by 3/8" diameter, two leaf foam filled vinyl bulb seal | 1 Row           | Bottom rail        |

**Drainage:** A sloped sill was utilized.

**Test Specimen Description:** (Continued)

**Hardware:**

| <u>Description</u>                      | <u>Quantity</u> | <u>Location</u>                       |
|-----------------------------------------|-----------------|---------------------------------------|
| Metal sweep locks with adjacent keepers | 2               | Meeting rail, 7" from each end        |
| Plastic tilt latches                    | 2               | Each end of the interior meeting rail |
| Pivot pins                              | 2               | Each end of the bottom rail           |
| Coil balance                            | 2               | Jambs                                 |

**Reinforcement:** No reinforcement was utilized.

**Screen Construction:** The screen was constructed of roll-formed aluminum. Corners were square-cut and secured with plastic corner keys. The screen mesh was secured with a flexible vinyl spline.

**Installation:** The unit was installed into a wood test buck. The nail fin was set onto a bed of silicone and fastened with #6 x 1-5/8" screws, 3" from each end and 10" on center.

**Test Results:** The results are tabulated as follows:

| <u>Paragraph</u> | <u>Title of Test - Test Method</u>    | <u>Results</u>                                        | <u>Allowed</u>                                           |
|------------------|---------------------------------------|-------------------------------------------------------|----------------------------------------------------------|
| 5.3.1            | Operating Force per ASTM E 2068       |                                                       |                                                          |
|                  | Initiate motion                       | 71 N (16 lbf)                                         | N/A                                                      |
|                  | Maintain motion                       | 76 N (17 lbf)                                         | 135 N (30 lbf)                                           |
|                  | Latches                               | 27 N (6 lbf)                                          | 100 N (22.5 lbf)                                         |
| 5.3.2.1          | Air Leakage Resistance per ASTM E 283 |                                                       |                                                          |
|                  | 75 Pa (1.6 psf)                       | 1.0 L/s/m <sup>2</sup><br>(0.20 cfm/ft <sup>2</sup> ) | 1.5 L/s/m <sup>2</sup><br>(0.3 cfm/ft <sup>2</sup> max.) |

**Note #1:** The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance.

**Test Results: (Continued)**

| <u>Paragraph</u>                                                                                                                                 | <u>Title of Test - Test Method</u>          | <u>Results</u> | <u>Allowed</u>  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------|-----------------|
| 5.3.3                                                                                                                                            | Water Penetration Resistance per ASTM E 547 |                | See Note #2     |
| 5.3.4.2                                                                                                                                          | Uniform Load Deflection per ASTM E 330      |                | See Note #2     |
| 5.3.4.3                                                                                                                                          | Uniform Load Structural per ASTM E 330      |                | See Note #2     |
| <i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".</i> |                                             |                |                 |
| 5.3.5                                                                                                                                            | Forced Entry Resistance per ASTM F 588      |                |                 |
|                                                                                                                                                  | Type: A                                     | Grade: 10      |                 |
|                                                                                                                                                  | Disassembly Test                            | No entry       | No entry        |
|                                                                                                                                                  | Test A1 through A5                          | No entry       | No entry        |
|                                                                                                                                                  | Test A7                                     | No entry       | No entry        |
|                                                                                                                                                  | Lock Hardware Manipulation Test             | No entry       | No entry        |
|                                                                                                                                                  | Sash/Panel Manipulation Test                | No entry       | No entry        |
| 5.3.6.3                                                                                                                                          | Deglazing Test                              |                |                 |
|                                                                                                                                                  | In operating direction - 320 N (70 lbs)     |                |                 |
|                                                                                                                                                  | Interior meeting rail                       | 3.0 mm (0.12") | 11.4 mm (0.45") |
|                                                                                                                                                  | Bottom rail                                 | 2.5 mm (0.10") | 11.4 mm (0.45") |
|                                                                                                                                                  | In remaining direction - 230 N (50 lbs)     |                |                 |
|                                                                                                                                                  | Left stile                                  | 1.8 mm (0.07") | 11.4 mm (0.45") |
|                                                                                                                                                  | Right stile                                 | 1.8 mm (0.07") | 11.4 mm (0.45") |

Optional Performance

|         |                                                                                                      |            |            |
|---------|------------------------------------------------------------------------------------------------------|------------|------------|
| 4.4.2.6 | Water Penetration Resistance per ASTM E 547<br>(with and without insect screen)<br>260 Pa (5.43 psf) | No leakage | No leakage |
|---------|------------------------------------------------------------------------------------------------------|------------|------------|

**Test Results:** (Continued)

| <u>Paragraph</u> | <u>Title of Test - Test Method</u> | <u>Results</u> | <u>Allowed</u> |
|------------------|------------------------------------|----------------|----------------|
|------------------|------------------------------------|----------------|----------------|

Optional Performance: (Continued)

|         |                                                                                                                            |                 |             |
|---------|----------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|
| 4.4.2.6 | Uniform Load Deflection per ASTM E 330<br>(Deflections were taken on the meeting rail)<br>(Loads were held for 52 seconds) |                 |             |
|         | 1440 Pa (30.09 psf) (positive)                                                                                             | 11.2 mm (0.44") | See Note #3 |
|         | 1440 Pa (30.09 psf) (negative)                                                                                             | 9.9 mm (0.39")  | See Note #3 |

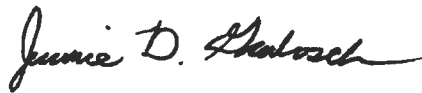
*Note #3: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

|         |                                                                                                                               |                 |                     |
|---------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| 4.4.2.6 | Uniform Load Structural per ASTM E 330<br>(Permanent sets were taken on the meeting rail)<br>(Loads were held for 10 seconds) |                 |                     |
|         | 2160 Pa (45.14 psf) (positive)                                                                                                | 1.3 mm (0.05")  | 4.1 mm (0.16") max. |
|         | 2160 Pa (45.14 psf) (negative)                                                                                                | 0.25 mm (0.01") | 4.1 mm (0.16") max. |

**Drawing Reference:** The test specimen drawings have been reviewed by ATI and are representative of the test specimen reported herein.

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 the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch  
Technician

JDG:jdg/vlm

Attachments (pages):

Appendix-A: Alteration Addendum (1)



Digitally Signed by: Steven M. Urich

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



Revision Log

| <u>Rev. #</u> | <u>Date</u> | <u>Page(s)</u> | <u>Revision(s)</u>    |
|---------------|-------------|----------------|-----------------------|
| 0             | 03/29/06    | N/A            | Original report issue |



**Appendix A**  
**Alteration Addendum**

*Note: No alterations were required.*



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

Inswing

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)

**Therma-Tru Corporation**  
1687 Woodlands Drive  
Maumee, Ohio 43537

### 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: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing

**APPROVAL DOCUMENT:** Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, 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: None

**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.

The submitted documentation was reviewed by **Raul Rodriguez**



NOA No 02-0109.06  
Expiration Date: June 20, 2007  
Approval Date: June 20, 2002  
Page 1

ET THE SOUTH FLORIDA  
MIAMI-DADE COUNTY.  
E ANCHORED PROPERLY  
CTURE.

LISTED AND SPACED AS  
DMENT TO BASE MATERIAL  
OR STUCCO.  
ABLE PAGE 1.  
E WATER REQUIREMENTS

ISTANT SHUTTERS ARE REQUIRED.  
V BE USED IN A

T LOCATIONS PROTECTED BY  
THE ANGLE BETWEEN THE EDGE  
IS LESS THAN 45 DEGREES.  
I-HABITABLE AREAS WHERE THE  
D TO ACCEPT WATER INFILTRATION.

RGLOSS DOOR  
:onditions)

num thickness, with yield strength

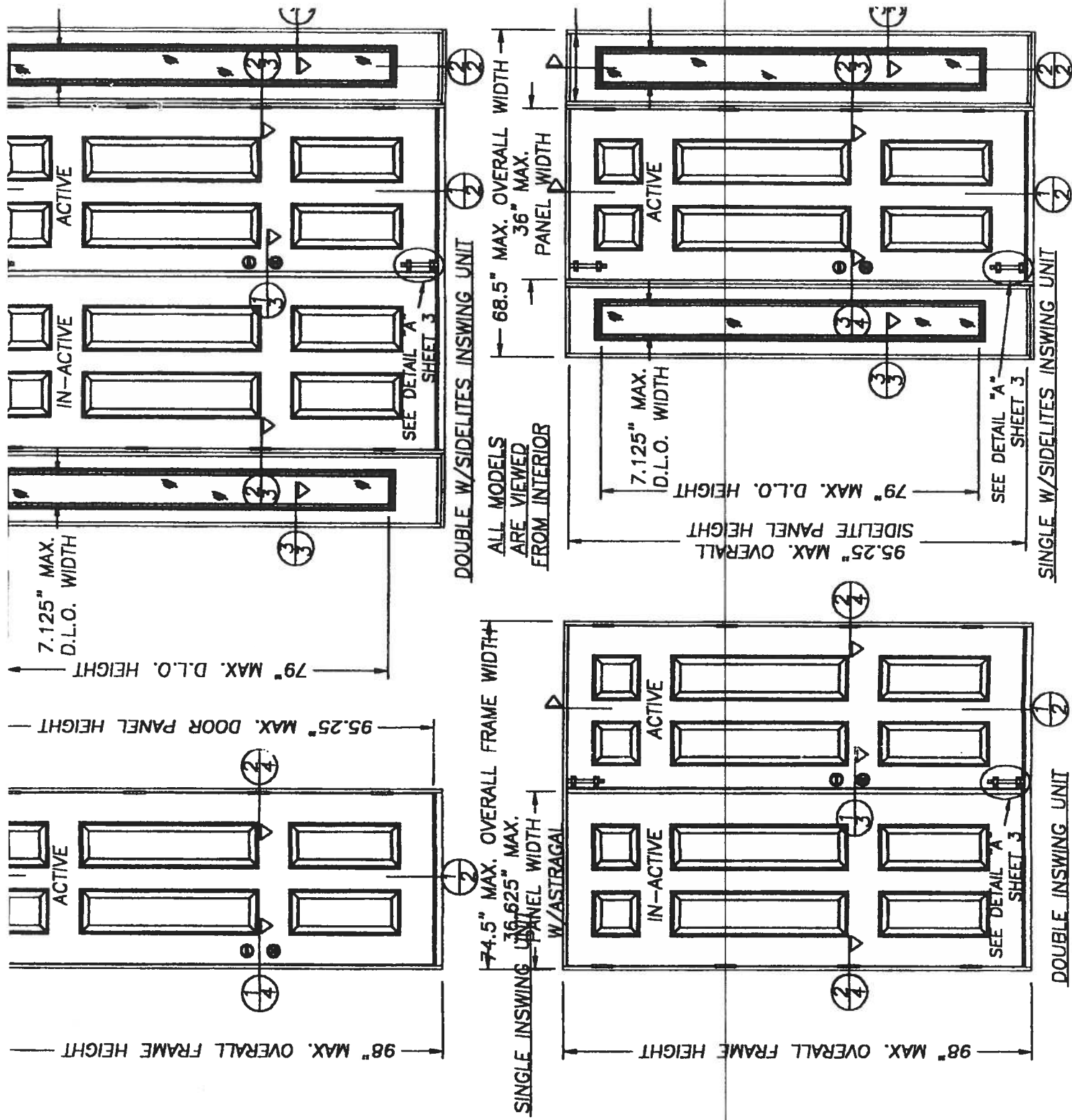
h 1.9 lbs. density by BASF.  
is tructured from a sheet molding  
thk. is filled with 1.9 lbs. density  
sheets are glued to the wood stiles  
LV or SL. The latch stile which is  
t. The top and bottom rail are of a  
floor application the inactive door  
ragal of 6060-T6 alloy.  
ected from finger jointed pine. The  
(3) #8 x 2 1/2" long screw at each  
n a sidelite application using  
ws, per each mullion. The units uses  
75 x 1.548".

andwich glazed using a two piece lip  
ed on the exterior with an 1/8  
id with Dow 795 silicone compound  
me to the sidelite panel & to the  
with a #8 x 1 1/2" long Plascrow

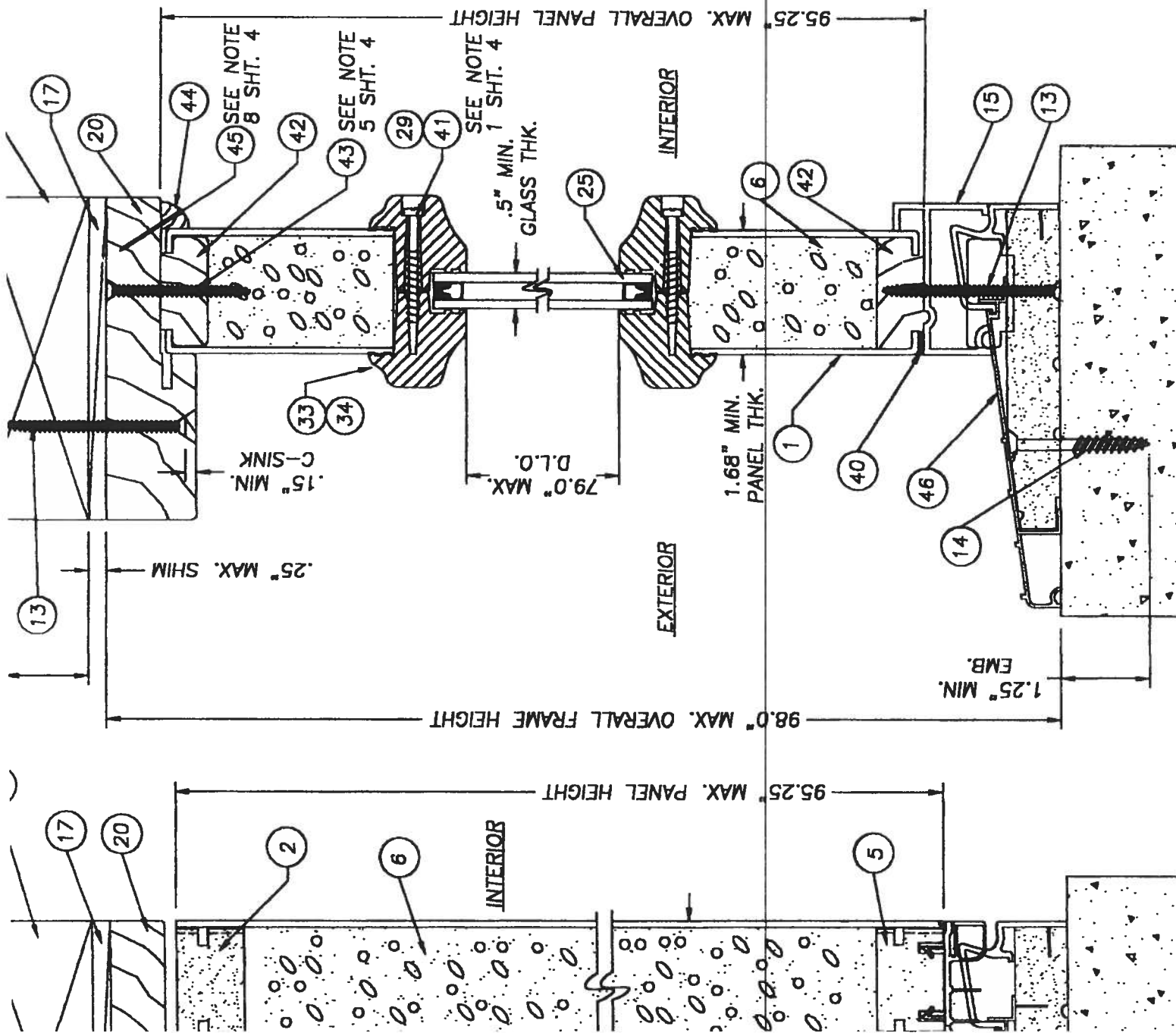
CONTENTS

CRPTION

: GENERAL NOTES

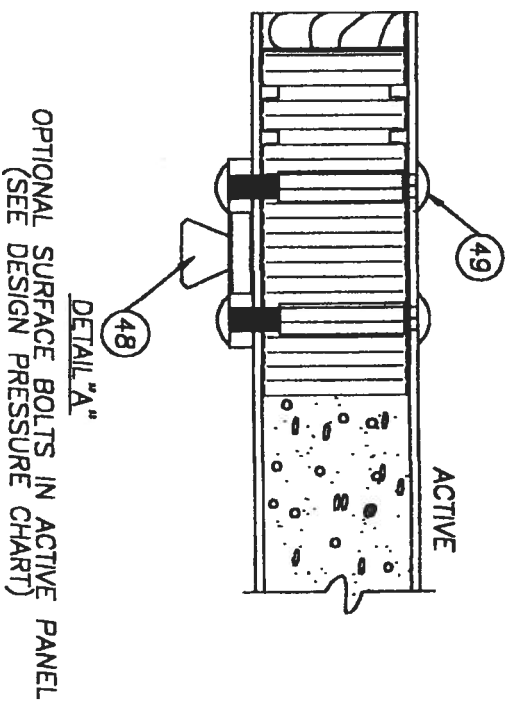
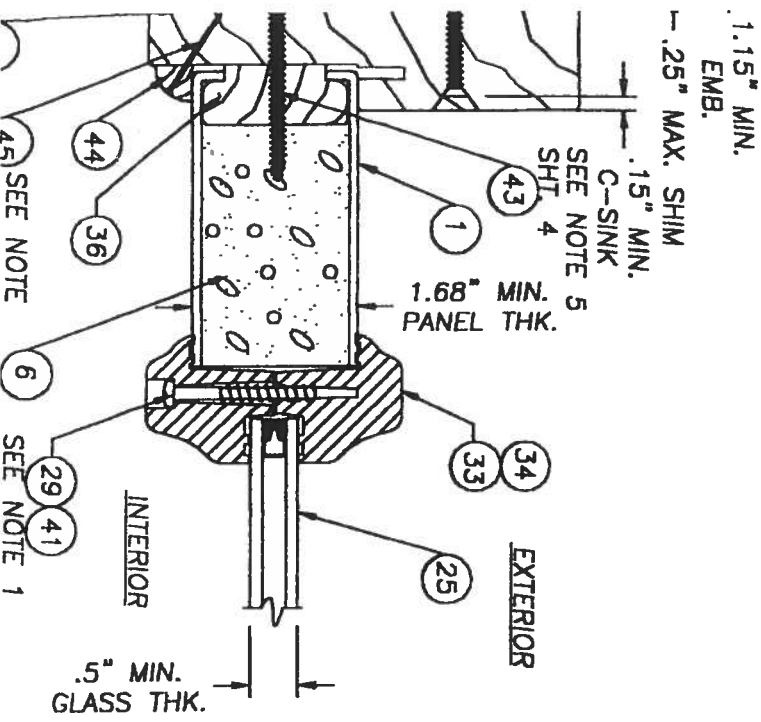


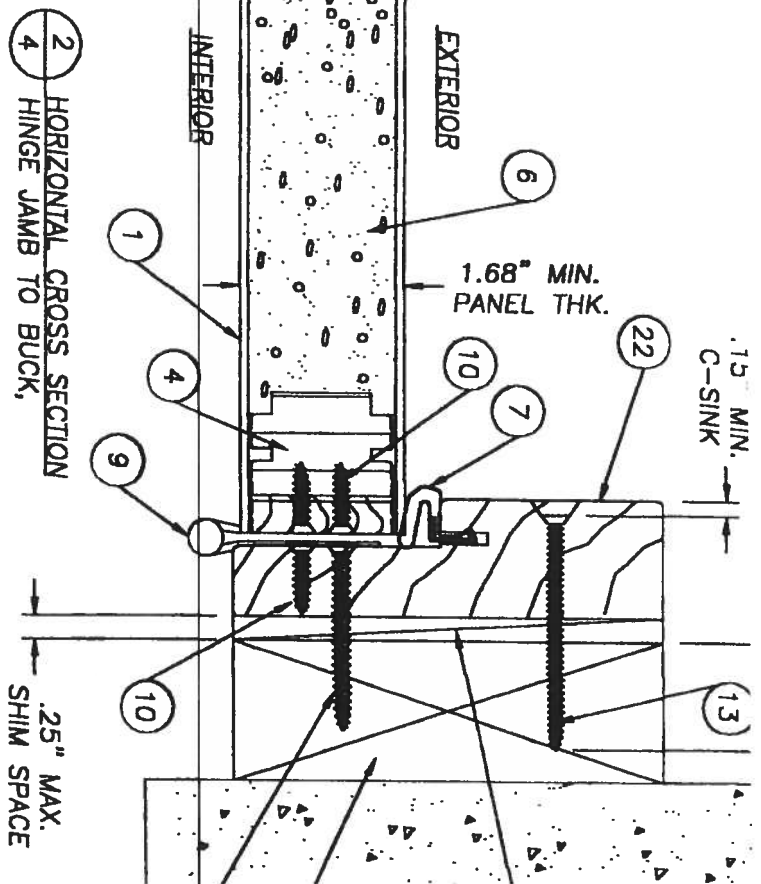
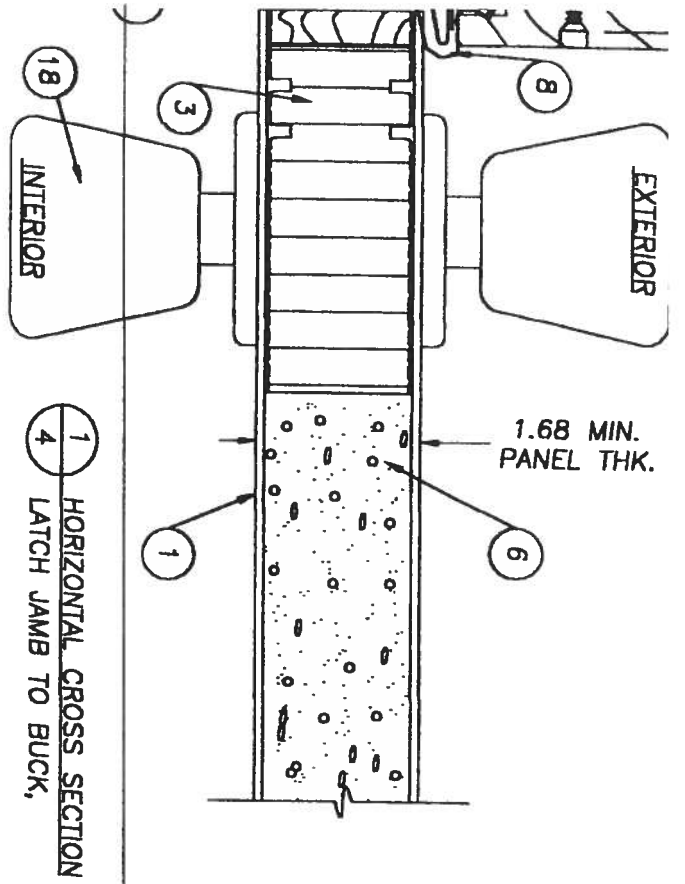
|    |                                                                  |
|----|------------------------------------------------------------------|
| 3  | LATCH STILE/LOCK BLOCK (THERMA-TRU, LV. OR LSL & OAK 1.50" x 4   |
| 4  | HINGE STILE (THERMA-TRU, LV. OR LSL & OAK 1.50" x 1.50")         |
| 5  | BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)             |
| 6  | POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT                          |
| 7  | SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-                    |
| 8  | LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TI                   |
| 9  | 4" x 4" HINGE .097" THK. (THERMA-TRU)                            |
| 10 | #10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)                   |
| 11 | #10 x 1" LG. PFH WOOD SCREW                                      |
| 12 | #10 x 2" LG. PFH WOOD SCREW                                      |
| 13 | #8 x 2 1/2" LG. PFH WOOD SCREW                                   |
| 14 | 3/16" TAPCON ANCHOR (ELCO)                                       |
| 15 | SIDELITE BOTTOM BOOT .090" EXTRUDED VIA                          |
| 16 | 2x INNER WOOD BUCK                                               |
| 17 | MAX. 1/4" SHIM MATERIAL                                          |
| 18 | KWIKSET TITAN 700 SERIES PASSAGE LOCK                            |
| 19 | NOT USED                                                         |
| 20 | HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F                  |
| 21 | 4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA I              |
| 22 | 4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P               |
| 23 | KWIKSET TITAN 700 SERIES DEADBOLT                                |
| 24 | ASTRAGAL WINDJAMBER II WRBOT (.052" WAL                          |
| 25 | GLAZING, 1/2" INSULATED TEMPERED GLASS                           |
| 26 | NOT USED                                                         |
| 27 | #8 x 1" LG. PANHEAD SHEET METAL SCREW                            |
| 28 | NOT USED                                                         |
| 29 | #6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #               |
| 30 | NOT USED                                                         |
| 31 | NOT USED                                                         |
| 32 | 1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE                     |
| 33 | PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)                         |
| 34 | PLASTIC LIP LITE FRAME (SMC, THERMA-TRU)                         |
| 35 | 4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA                |
| 36 | SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA        |
| 37 | #10 x 1 3/4" LG. PFH WOOD SCREW                                  |
| 38 | SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.0         |
| 39 | NOT USED                                                         |
| 40 | SILICONE CAULK (DOW 795)                                         |
| 41 | #8-10 x 1 1/2" PLASCREW (FOR ITEM #34                            |
| 42 | SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA |
| 43 | #8 x 2" LG. PFH WOOD SCREW                                       |
| 44 | 3/8" x 3/8" QUARTER ROUND FINGER JOINED F                        |
| 45 | 1" L. x .040" DIA. BRAD TRIM NAIL                                |
| 46 | SELF ADJUSTING INSWING SADDLE THRESHOLD                          |
| 47 | INSWING DOOR BOTTOM SWEEP                                        |
| 48 | IVES SURFACE BOLT #454 .25 STEEL                                 |
| 49 | 1/4-20 SEX BOLT W/ 1/4-20 FEMALE ENL                             |



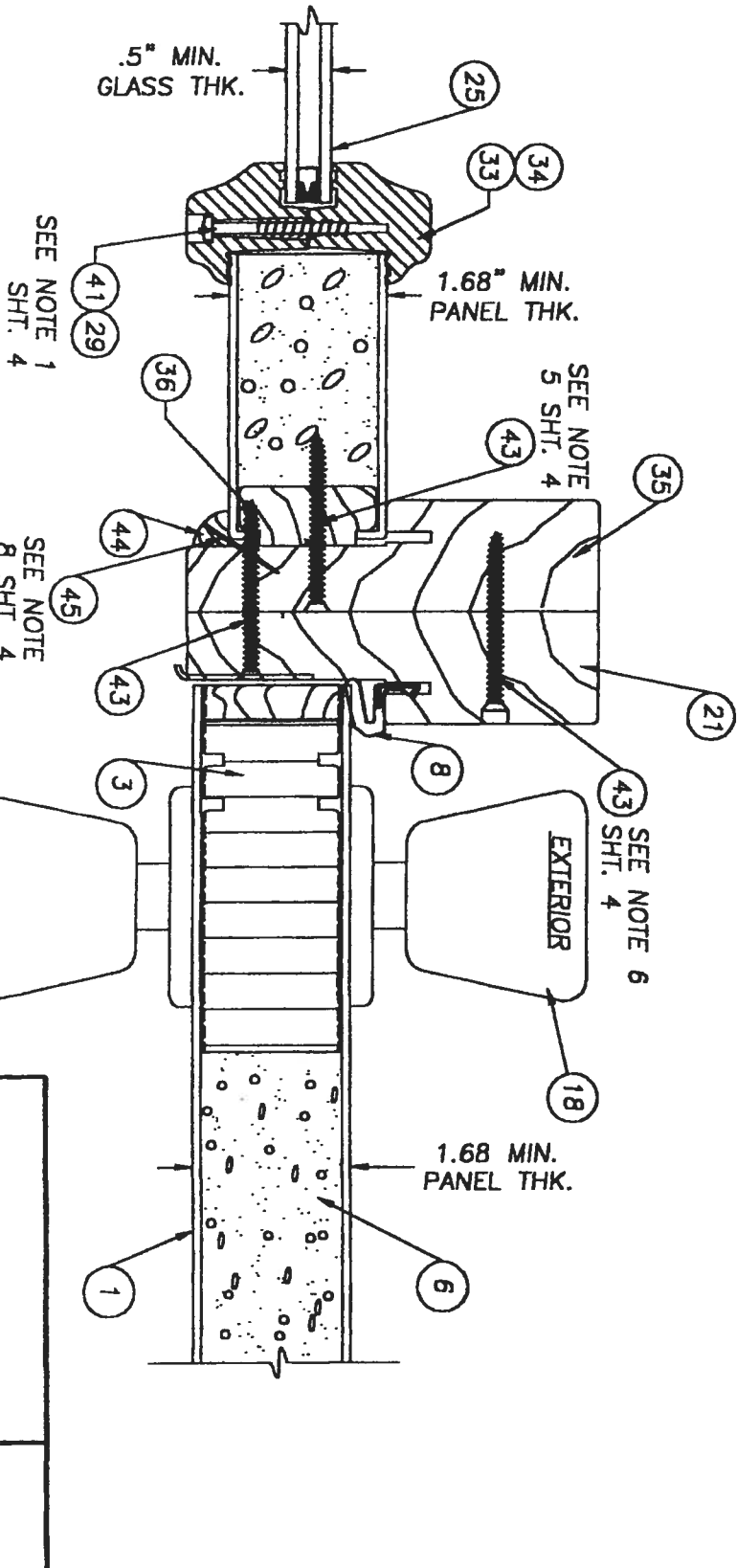
1 HORIZONTAL CROSS SECTION 18  
3 ② ASTRAGAL  
(SEE DESIGN PRESSURE CHART)

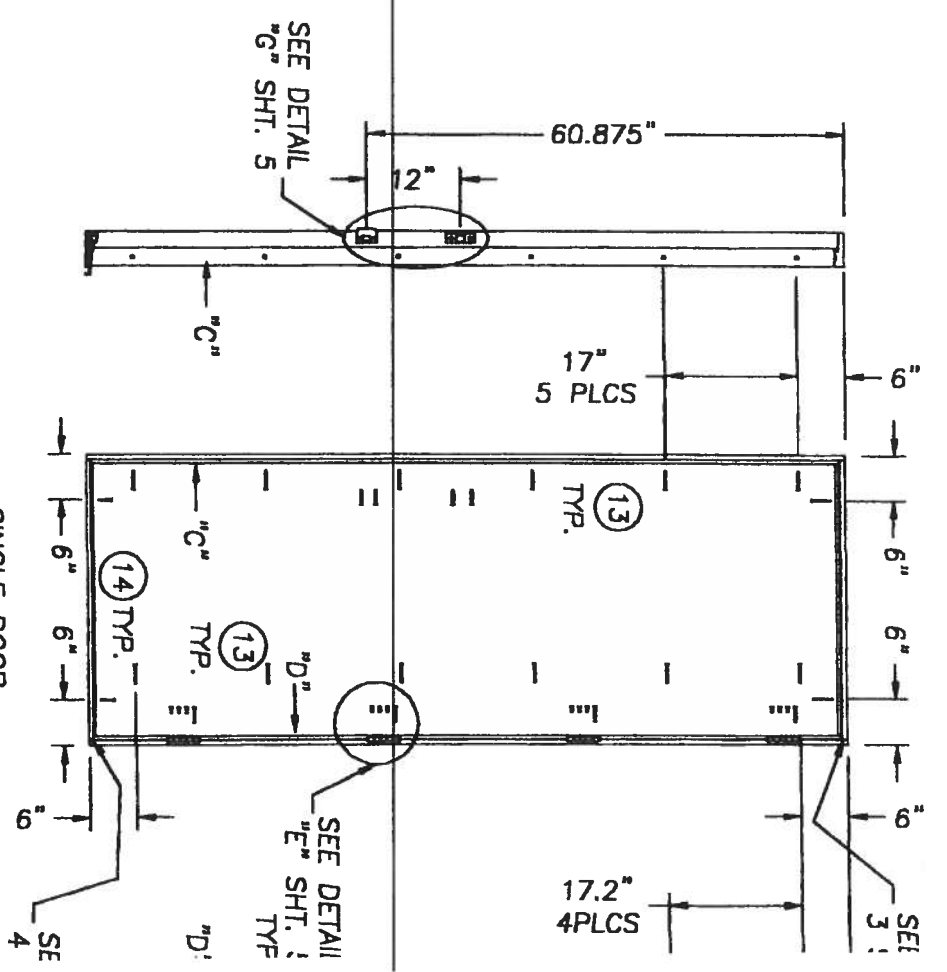
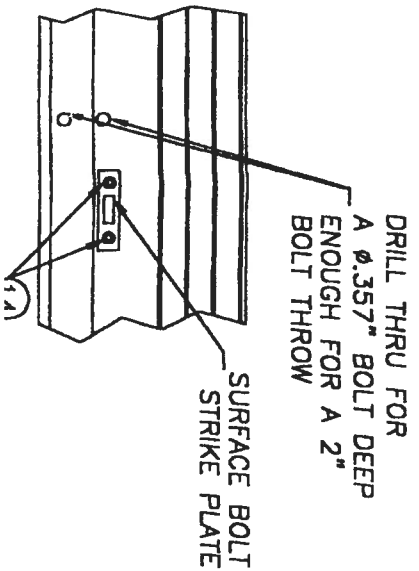
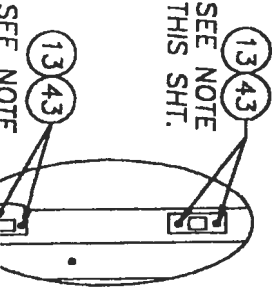
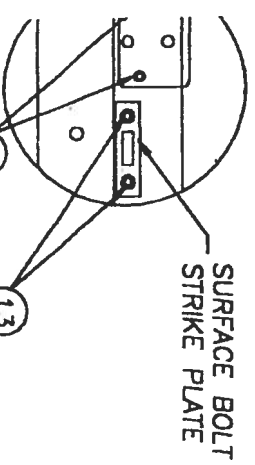
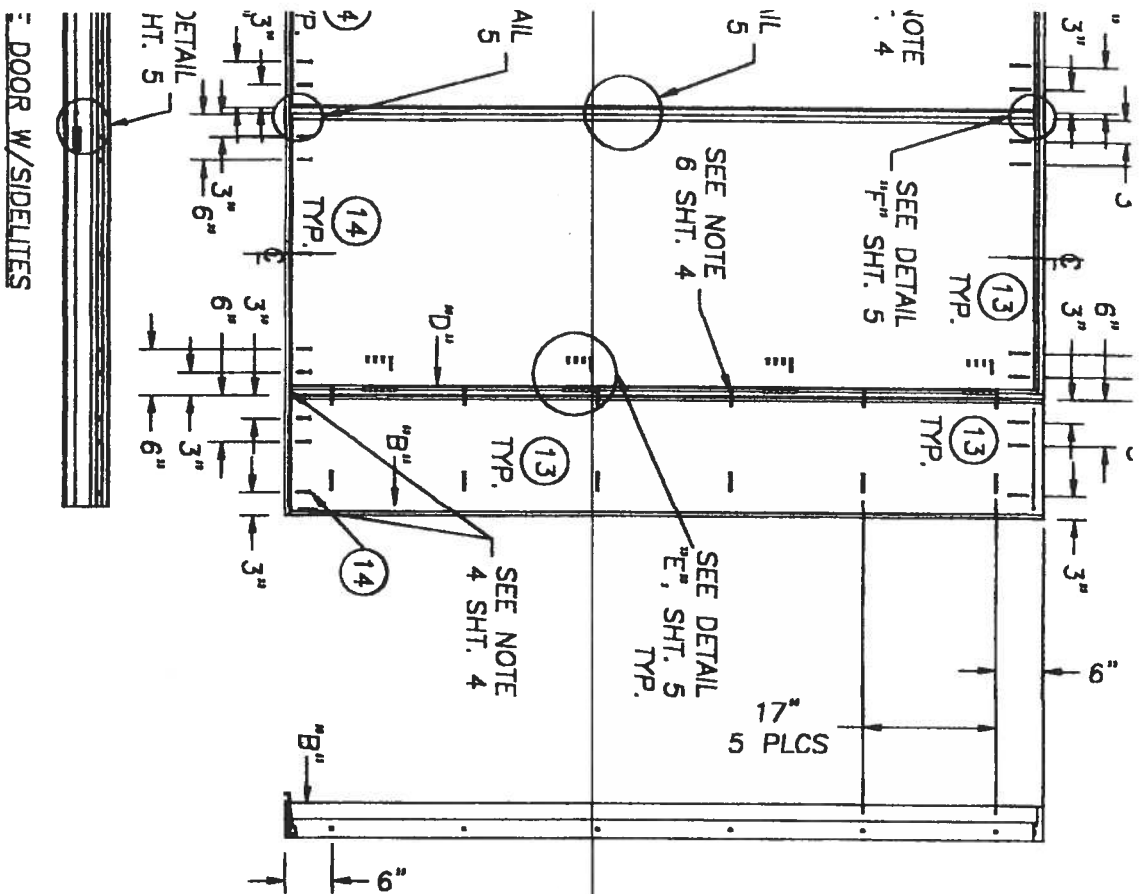
2 HORIZONTAL CROSS SECTION  
3 HINGE JAMB TO SIDELITE





1) IS AS FOLLOWS: FROM WITH (7) MORE SPACED CREWS BOTH TOP AND CORNER.  
CREW  
INACTIVE DOOR IS AS .3", 5", 18.25", 54"  
THE SIDE JAMBS WITH  
THE SIDE JAMBS WITH  
THE JAMB WITH (12) RE ARE (4) AT TOP DOWN AT 13.5", AT THE HEADER AT 4" THE FRAME. THERE ARE JTSIDE CORNERS.  
URING THE MULLIONS ERIMETER ANCHORING AND UP FROM THE T 16.9" O.C.  
E JAMB AND THE BUCK CHING THE HINGE TO



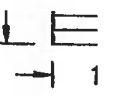


SINGLE DOOR

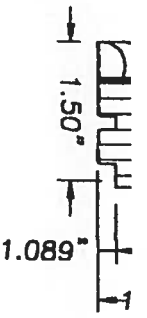
NOTE:  
USE ITEM #13 A #8 x 2 1/2" PFH W/ WOOD SCREW.  
ATTACH THE STRIKE AND DEADBOLT PLATE TO THE FRAME WITH TWO (2) #8 x 2 1/2" PFH W/ WOOD SCREW.  
JAMB OR ASTRAGAL EXCEPT IN THE MULTIPLE APPLICATION WITH THE SIDELITE USE IT WITH TWO (2) #8 x 2 1/2" PFH WOOD SCREW.





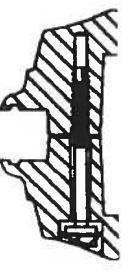


LOCK  
OAK CAP

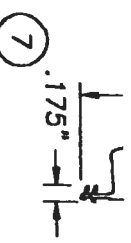


4 HINGE SIDE STILE

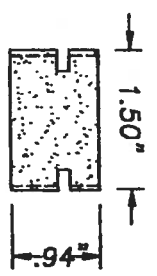
CORE MATERIAL: LVL OR LSL  
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



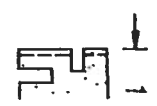
34 PLASTIC LIP LITE FRAME  
EXTRUDED SMC



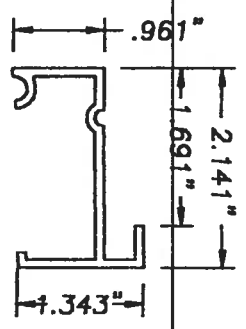
8 LONG COMPRESSION  
COMPRESSION WEATHERSTRIP  
BY THERMA-TRU  
FOAM CELL CORE W/VINYL JACKET



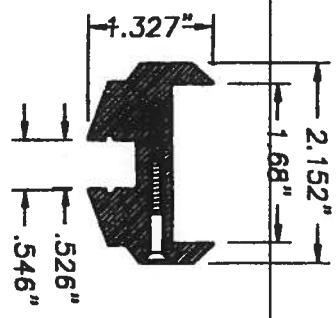
2 TOP RAIL  
WOOD COMPOSITE



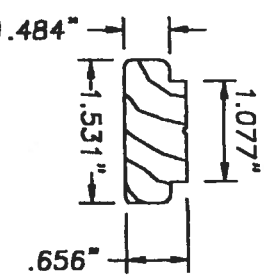
5 BOT RAIL  
WOOD



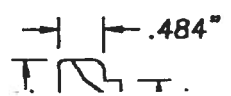
EEP  
N. WALL  
15 INSWING SIDELITE  
BOTTOM BOOT  
0.09" EXTRUDED VINYL WALL



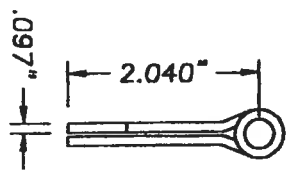
33 PLASTIC LIP LITE FRAME  
EXTRUDED PVC



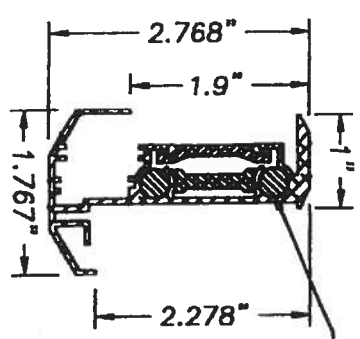
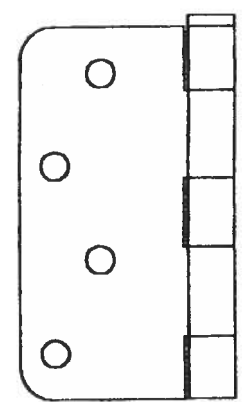
42 SIDELITE TOP  
& BOTTOM RAIL



36 SIDELITE  
FINGER  
POND

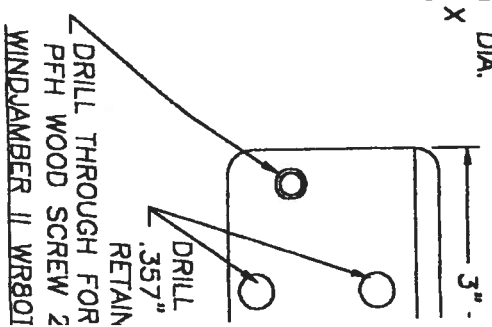
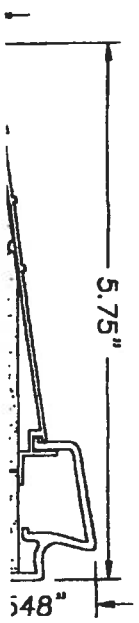


9 4 x 4 STEEL DOOR HINGE



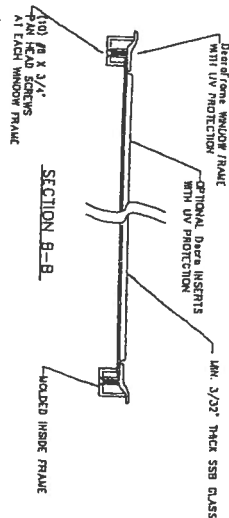
24 WINDJAMBER II WR801  
ASTRAGAL (ALUMINUM .052" WALL TYP.)

ASTRAGAL RETAINER BOLTS,  
(2) 17.0" LG. X 0.3125" DIA.  
(2) TOP & (2) 8.0" LG. X  
0.3125" DIA. (4) BOLTS TOTAL



# GLAZING OPTION CROSS SECTION

TEST NO. SEC-446-011 ON OCTOBER 13, 1985 INCURRED GLASS WHOWNS IN THE DOOR BEING USED. THE TEST PRESSURES WERE 1.5 PSI AND -1.5 PSI PER 1" OF GLASS. BY COMPARISON, FOUR (4) WHOWNS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL DOOR AND 850 DOORS.





January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

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

TAMKO Roofing Products, Inc.