



AAMA/NWDA 101/1.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/650
TYPE: Aluminum Single Hung Window
RATING: H-C30 54 x 90; H-C45 52 x 72*

Results		Title of Test
Test Specimen #1	30 psf	Overall Design Pressure
Test Specimen #2	47 psf	Operating Force
	20 lb max.	Air Infiltration
	0.27 cfm/ft ²	Water Resistance
	5.25 psf	Structural Test Pressure
	±45.0 psf	Deglaazing
	Passed	Forced Entry Resistance
	Grade 10	
	N/A	
	±70.5 psf	
	6.0 psf	
	N/A	
	N/A	
	47 psf	

Reference should be made to Report No. 01-37589.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Adam A. Podor, Technician

AAT:ljp

130 Derry Court
York, PA 17402-9405
phone: 717.764.7200
fax: 717.764.4129
www.testadl.com



AAMA/NWDA 101/S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INCORPORATED
650 West Market Street
Graft, Pennsylvania 17030-0370

Report No: 01-37589.01
Test Date: 06/29/00
Report Date: 09/11/00
Expiration Date: 06/29/04

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450, aluminum single hung window at the MI Home Products in-plant test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1 H-C30 54 x 90; Test Specimen #2 H-C40 52 x 72*. Test specimen descriptions and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the minimum test size for the product type and class.

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

Test Specimen Description

Series/Model: 450

Type: Aluminum Single Hung Window

Test Specimen #1 H-C30 54 x 90

Overall Size: 4' 6-1/2" wide by 7' 6-1/2" high

Sash Size: 4' 4" wide by 3' 9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4' 2-1/4" wide by 3' 8-1/2" high

Test Specimen Description: (Continued)

Test Specimen #2: H-C40 52 x 72*

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

Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" thick clear annealed glass and an Intercept™ spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.210" high by 0.270" backed polypropylene with center fin	Row	Fixed meeting rail
0.250" high by 0.187" backed polypropylene with center fin	2 Rows	Stiles
0.300" diameter by 0.187" backed foam-filled vinyl bulb gasket	Row	Bottom rail
0.400" high by 1/2" square polypropylene dust plug	4	One on each sash corner

Frame Construction: The main frame was constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two screws each.

Test Specimen Description: (Continued)

Sash Construction: The sash members were constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners fastened with one screw each.

Screen Construction: The screen was constructed of rolled aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Plastic snap latch	1	Midspace of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail
Drainage: Sloped sill		

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blindstopped with wood members and secured with #8 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
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Test Specimen #1: H-C30 54 x 90

2.2.1.6.1

Operating Force

20 lbs

45 lbs max.

Air Infiltration per ASTM E 283 (See Note #1)
@ 1.57 psf (25 mph)

0.27 cfm/ft²

0.3 cfm/ft² max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWDA 101/1.S. 2-97 for air infiltration.

Water Resistance per ASTM E 547

(with and without screen)

WTP = 4.5 psf

No leakage

No leakage

2.1.4.2

Uniform Load Structural per ASTM E 330

(Measurements reported were taken on the fixed meeting rail)

0.03"

0.22" max.

@ 45.0 psf (exterior)

0.04"

0.22" max.

De-glazing Test per ASTM E 987

Meeting rail
Bottom rail

0.06"/12%
0.06"/12%

0.50"/100%
0.50"/100%

In remaining direction at 50 lbs

Left stile
Right stile

0.06"/12%
0.06"/12%

0.50"/100%
0.50"/100%

Forced Entry Resistance per ASTM F 588-97

Type: A
Grade: 10

Lock Manipulation Test

Test A1 through A5

Test A7

Lock Manipulation Test

No entry

No entry

No entry

No entry

No entry

No entry

Allowed

Results

Title of Test - Test Method

Test Specimen #1: (Continued)

Paragraph

Test Results:

Optional Performance

4.3

Water Resistance per ASTM E 547
(with and without screen)
WTP = 5.25 psf

No leakage

No leakage

Optional Performance

4.3

Water Resistance per ASTM E 547 and 331
(with and without screen)
WTP - 6.0 psf

No leakage

No leakage

4.4.2

Uniform Load Structural per ASTM E 330
(Measurements reported were taken on the fixed meeting rail)
(Loads held for 33 seconds)
@ 47.0 psf (exterior)
@ 47.0 psf (interior)

0.04"
0.03"

N/A
N/A

(Loads held for 10 seconds)
@ 70.5 psf (exterior)
@ 70.5 psf (interior)

0.07"
0.04"

0.21" max.
0.21" max.

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

For ARCHITECTURAL TESTING, INC.

Technician

Adam A. Fodor

AAF:

01-37589.01

Bruce W. Croak

Director - Product/Physical Testing

AAMA/NWDA 101/L.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/480/650/680
TYPE: Aluminum Fixed Window
RATING: F-C80 72 x 96

Title of Test	Results
Overall Design Pressure	80 psf
Air Infiltration	<0.01 cfm/ft ²
Water Resistance	12.0 psf
Structural Test Pressure	+120.0 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-38781.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



Adam Fodor, Technician

AF:tp

Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.
650 West Market Street
Graz, Pennsylvania 17030-0370

Report No: 01-38781.01
Test Date: 01/23/01
Report Date: 02/22/01
Expiration Date: 01/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450/480/650/680, aluminum fixed window at the MI Home Products, Inc. in-plant test facility in Elizabethtown, Pennsylvania. The sample tested successfully met the performance requirements for an F-C80 72 x96 rating. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 450/480/650/680

Type: Aluminum Fixed Window

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

Fixed Daylight Opening Size: 5' 9-1/2" wide by 7' 9-1/2" high

Finish: All aluminum was painted.

Glazing Details: The window utilized a 7/8" thick sealed insulating glass unit fabricated from two sheets of 3/16" thick, clear, tempered glass and a spacer system. The lite was interior glazed onto silicone bedding and dual-sided adhesive foam tape, while secured with aluminum snap-fit glazing beads and polypile weatherstrip.

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of thermally broken extruded aluminum members with coped, beveled and sealed corners fastened with two screws each.

Drainage: No fabricated drainage was utilized.

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin bedded in polyurethane sealant. The nailing fin was secured to the buck with a 1" roofing nail at each corner, midspan of the head and sill, and two spaced evenly at the jambs.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results
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2.1.2 Air Infiltration per ASTM E 283 (See Note #1)
@ 1.57 psf (25 mph)
The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWDA 101/IS-2-97 for air infiltration.

0.3 cfm/ft² max.

Allowed

2.1.4.2

Water Resistance per ASTM E 547
WTP = 4.5 psf
Uniform Load Structural per ASTM E 330
(Measurements reported were taken on the jamb)
@ 45.0 psf (exterior)
@ 45.0 psf (interior)
0.02"
0.02"
0.38" max.
0.38" max.
Forced Entry Resistance per ASTM F 588-97
Type: D
Grade: 10
Hand Manipulation Test
No entry

No entry

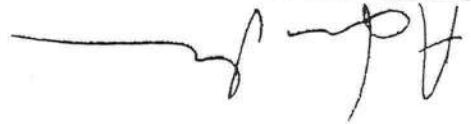
Optional Performance

4.3

Water Resistance per ASTM E 547 and 331
WTP = 12.0 psf
Uniform Load Structural per ASTM E 330
(Measurements reported were taken on the jamb)
@ 120.0 psf (exterior)
@ 120.0 psf (interior)
0.03"
0.04"
0.38" max.
0.38" max.
No leakage

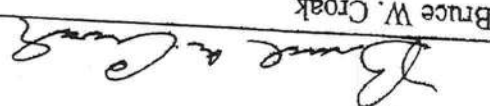
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the above referenced specification. This report does not constitute certification of this product which may only be granted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

For ARCHITECTURAL TESTING, INC:


Adam Fodor

Technician

AF:yp
01-38781.01


Bruce W. Croak
Director - Product/Physical Testing



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PCT Industries
1070 Technology Drive
Nokomis, FL 34275

Your application for Notice of Acceptance (NOA) of:

Series SGD-70 Aluminum Sliding Glass Door-Impact.

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0628.11
EXPIRES: 11/09/2005

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.

Director

Miami-Dade County

Building Code Compliance Office

APPROVED: 11/09/2000

\\50450001\pc2000\templates\note acceptance cover page.doc

Internet mail address: postmaster@buildingcodeonline.com

Homepage: <http://www.buildingcodeonline.com>

APPROVED

: November 9, 2000

EXPIRES

: November 9, 2005

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**1. SCOPE**

1.1 This approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The SGD-70 Series Aluminum Sliding Glass Door - Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 4345-1, titled "SGD-70 OXXO" Sheets 1 through 4 of 4 dated 03-15-99, last revised on 10-13-00, signed and sealed by Robert L. Clark, P.E., 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.

3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): The installation of this unit will not require a hurricane protection system.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBBC) in order to properly evaluate the installation of this system.

Isahq I. Chanda

Isahq I. Chanda, P.E. Product Control Examiner

Product Control Division

PCT Industries

ACCEPTANCE No.: 00-0628.11

APPROVED : November 9, 2000

EXPIRES : November 9, 2005

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

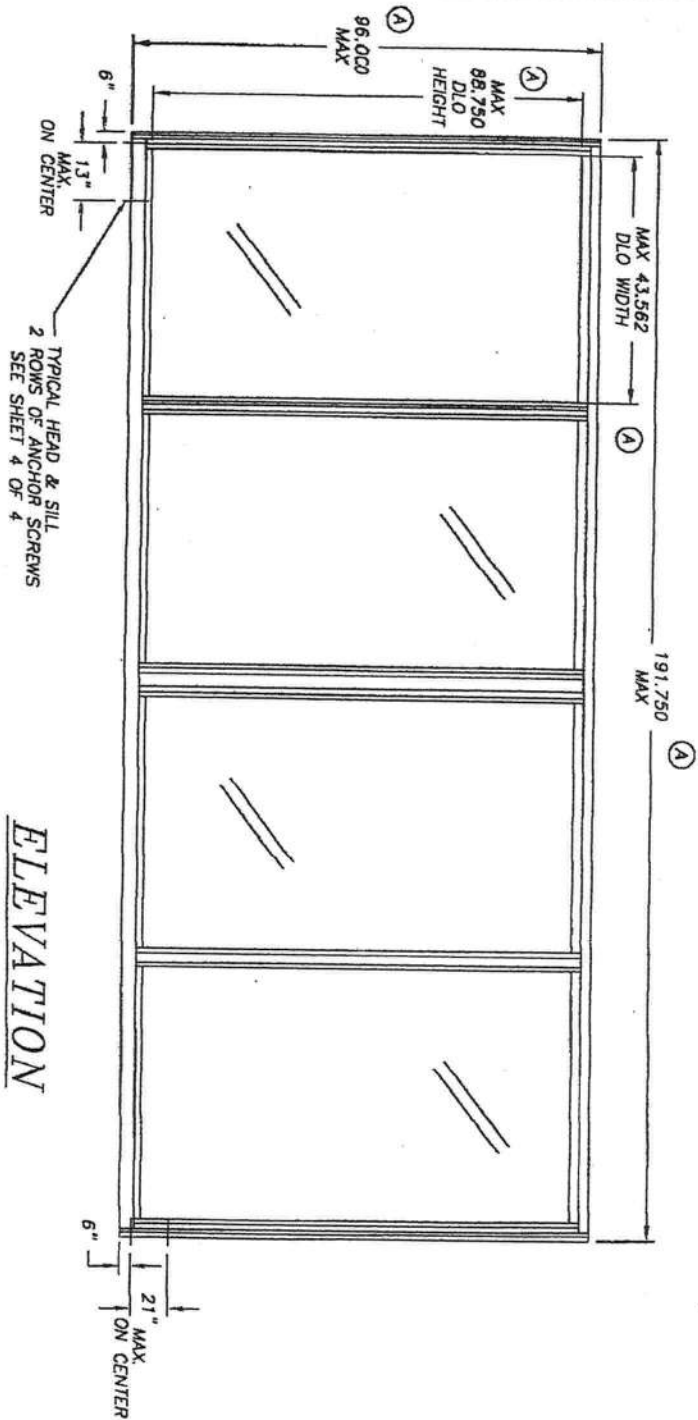
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not resal the copies.

8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda
Ishaq I. Chanda, P. E. Product Control Examiner
Product Control Division
END OF THIS ACCEPTANCE
3 of 3



ELEVATION

DESIGN PRESSURE RATING	
POSITIVE	+ 60 PSF
NEGATIVE	- 60 PSF

(A)

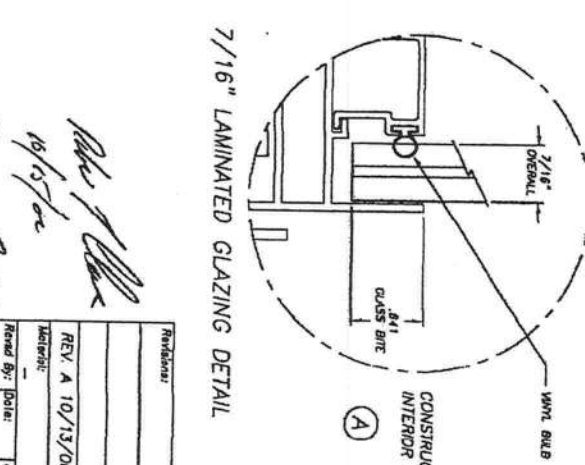
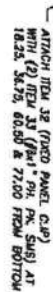
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 10/15/99 BY 1510411-CL/CL
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0629-11

LARGE MISSILE IMPACT DOORS

- 1.) GLAZING: 7/16" LAMINATED
- 2.) CONFIGURATIONS: OXXO
- 3.) SEALANT: FRAME CORNER, INSTALLATION SCREWS & PANEL CORNERS SEALED WITH SCHNEE/MOREHEAD #SM5504 SEAM SEALER (A)
- 4.) ANCHORS:
MAX. 6" FROM EACH CORNER (HEAD & SILL)
MAX. 6" FROM EACH CORNER (JAMBS)
MAX. SPACING AT HEAD & SILL: 13.000 (A)
MAX. SPACING AT JAMBS: 21.000
- 5.) SHUTTER REQUIREMENT:
NO SHUTTERS REQUIRED
- 6.) REFERENCE TEST REPORT: FTL-2369

Revision:		Description:		Location: 2 1/4		Drawing No. 4345-1	
REV. A	10/13/00 F.K.	SGD-70 OXXO - ELEVATION		10/15/99		10/15/99	
Rev'd By:	Date:	Drawn By:	Date:	Scale:	Sheet:	Drawing No.:	Rev:
D.B.	3/15/99	D.B.	3/15/99	1"	1 of 4	4345-1	A

PCT
INDUSTRIES

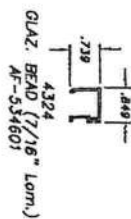
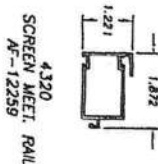
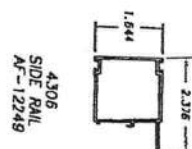


7/16" LAMINATED GLAZING DETAIL

CONSTRUCTION DETAIL: OVERALL 7/16" LAMINATED CONSIST OF 3/16" HS GLASS LITES (EXTERIOR & INTERIOR SIDE) WITH .088 SAFELEX 111G PVB INTERLAYER BY SOLUTIA, BETWEEN LITES.

APPROVED AS COMPLYING WITH THE
NORTH FLORIDA BUILDING CODE
DATE December 09, 2008
BY Isabel L. Chavira
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 08-0628-11

[illegible]

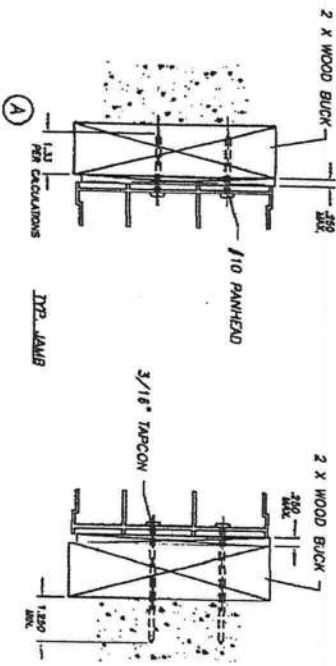
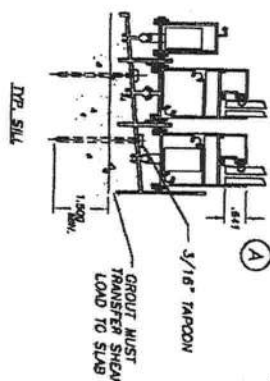
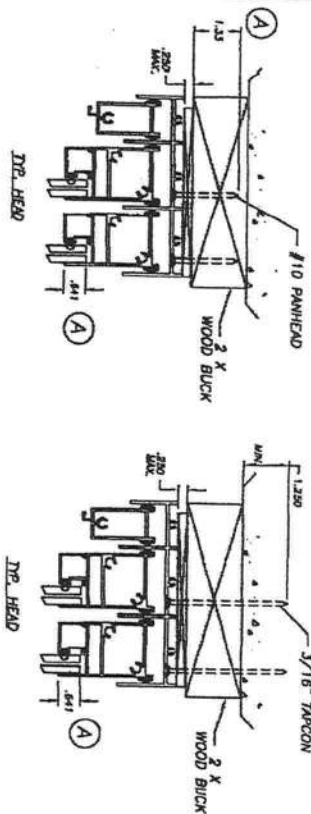


4320
SCREEN MEET. RAIL
AF-12259

GLAZ. BEAD (7/16" Lom.)
AF-534601

NOTE: ALL OTHER EXTRUSIONS ARE 6063-T5 ALUM.

[illegible]



ITEM	DESCRIPTION	V.T. #	QTY.	VENDOR	VENDOR #
1	Frame Head, 2 Track	612245	1	Alumox	AF-12245
2	Frame Sill, 2 Track	612246	1	Alumox	AF-12246
3	Threshold Cover, 2-Track	612247	2	Alumox	AF-12247
4	Fixed Adapter, Frame Sill	612248	2	Alumox	AF-12248
5	Fixed Adapter, Frame Sill	612249	2	Alumox	AF-12249
6	Fixed Adapter, Frame Sill	612250	2	Alumox	AF-12250
7	Fixed Adapter, Frame Sill	612251	2	Alumox	AF-12251
8	Fixed Adapter, Frame Sill	612252	2	Alumox	AF-12252
9	Fixed Adapter, Frame Sill	612253	2	Alumox	AF-12253
10	Fixed Adapter, Frame Sill	612254	2	Alumox	AF-12254
11	Fixed Adapter, Frame Sill	612255	2	Alumox	AF-12255
12	Fixed Adapter, Frame Sill	612256	2	Alumox	AF-12256
13	Fixed Adapter, Frame Sill	612257	2	Alumox	AF-12257
14	Fixed Adapter, Frame Sill	612258	2	Alumox	AF-12258
15	Fixed Adapter, Frame Sill	612259	2	Alumox	AF-12259
16	Fixed Adapter, Frame Sill	612260	2	Alumox	AF-12260
17	Fixed Adapter, Frame Sill	612261	2	Alumox	AF-12261
18	Fixed Adapter, Frame Sill	612262	2	Alumox	AF-12262
19	Fixed Adapter, Frame Sill	612263	2	Alumox	AF-12263
20	Fixed Adapter, Frame Sill	612264	2	Alumox	AF-12264
21	Fixed Adapter, Frame Sill	612265	2	Alumox	AF-12265
22	Fixed Adapter, Frame Sill	612266	2	Alumox	AF-12266
23	Fixed Adapter, Frame Sill	612267	2	Alumox	AF-12267
24	Fixed Adapter, Frame Sill	612268	2	Alumox	AF-12268
25	Fixed Adapter, Frame Sill	612269	2	Alumox	AF-12269
26	Fixed Adapter, Frame Sill	612270	2	Alumox	AF-12270
27	Fixed Adapter, Frame Sill	612271	2	Alumox	AF-12271
28	Fixed Adapter, Frame Sill	612272	2	Alumox	AF-12272
29	Fixed Adapter, Frame Sill	612273	2	Alumox	AF-12273
30	Fixed Adapter, Frame Sill	612274	2	Alumox	AF-12274
31	Fixed Adapter, Frame Sill	612275	2	Alumox	AF-12275
32	Fixed Adapter, Frame Sill	612276	2	Alumox	AF-12276
33	Fixed Adapter, Frame Sill	612277	2	Alumox	AF-12277
34	Fixed Adapter, Frame Sill	612278	2	Alumox	AF-12278
35	Fixed Adapter, Frame Sill	612279	2	Alumox	AF-12279
36	Fixed Adapter, Frame Sill	612280	2	Alumox	AF-12280
37	Fixed Adapter, Frame Sill	612281	2	Alumox	AF-12281
38	Fixed Adapter, Frame Sill	612282	2	Alumox	AF-12282
39	Fixed Adapter, Frame Sill	612283	2	Alumox	AF-12283
40	Fixed Adapter, Frame Sill	612284	2	Alumox	AF-12284
41	Fixed Adapter, Frame Sill	612285	2	Alumox	AF-12285
42	Fixed Adapter, Frame Sill	612286	2	Alumox	AF-12286
43	Fixed Adapter, Frame Sill	612287	2	Alumox	AF-12287

Approved as shown with this
 SOUTH FLORIDA BUILDING CODE
 DATE November 29, 2000
 BY SALE L. CLAWSON
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 02-0628-11

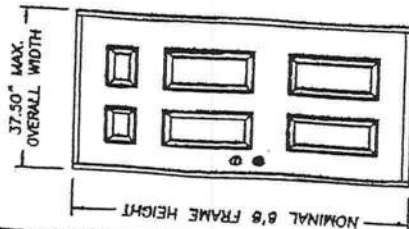
Revision:
 REV. A 10/13/00 F.K.
 Material:
 REV. A 10/13/00 F.K.
 Drawn By: D.B. Date: 3/15/99
 Check By: Date:

SCD-XXO - BILL OF MATERIALS
 SCD-70
 PGT INDUSTRIES

4 of 4
 4345-4
 A

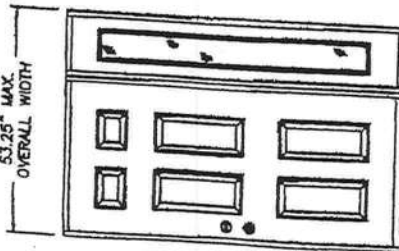
CONSTRUCTION SERIES®

OPAQUE INSULATED STEEL DOOR
OUT-SWING / IN-SWING 8-8 UNITS W/ & W/OUT SIDELITES



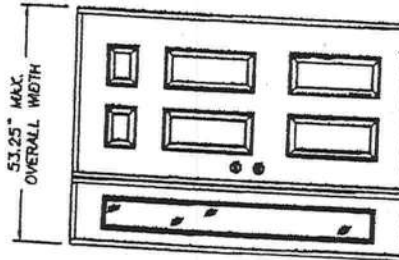
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DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 67.0 NEG. 67.0



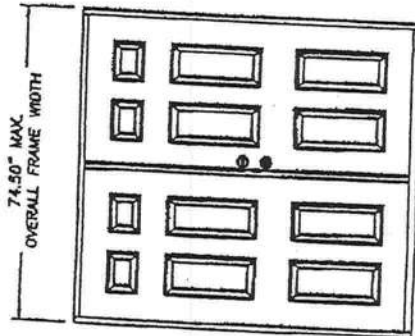
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DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



O

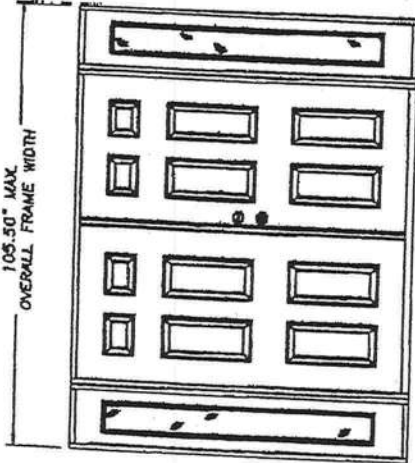
DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



X

ASTRAGAL TYPE	DESIGN PRESSURE RATING
Coated Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0

105.50" MAX.
OVERALL FRAME WIDTH



O

ASTRAGAL TYPE	DESIGN PRESSURE RATING
Coated Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE.
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS.
3. THE SIDELITES REQUIRE WINDBORNE DEBRIS EXTERNAL PROTECTION AS DESCRIBED IN SECTION 1626.1 OF THE FLORIDA BUILDING CODE WHEN USED IN WINDBORNE DEBRIS AREAS.
4. FOR INSWING MASONRY ANCHORING SEE SHEET 2 OF 4.
5. FOR OUTSWING MASONRY ANCHORING SEE SHEET 3 OF 4.
6. FOR INSWING/OUTSWING WOOD STUD ANCHORING SEE SHEET 4 OF 4.

PRODUCT DESCRIPTION

1. THE DOOR FACE SHEETS ARE 25 GA. (0.018") MIN. THICKNESS.
2. THE STILES AND RAILS ARE WOOD CONSTRUCTION.
3. THE INTERIOR DOOR CAVITY IS URETHANE.
4. THE SIDELITE GLAZING IS 0.5" INSULATED TEMPERED GLASS BY THERMA-TRU.
5. THE WOOD JAMBS ARE A MIN. 4-9/16".
6. THE THRESHOLD IS AN ALUMINUM BUMP FACE TYPE (OUTSWING) OR AN ALUMINUM SADDLE TYPE (INSWING).
- *7. THE STANDARD ALUMINUM ASTRAGAL UTILIZES 7.5" LONG x 0.312" DIA. STEEL ROD WITH A 6.0" LONG ALUMINUM SLIDE ROD REINFORCEMENT BAR TOP AND BOTTOM.
8. ALL LATCHBOLT AND DEADBOLT HARDWARE MUST BE CYLINDRICAL GRADE 8 WITH A 16T EDGE PREP AND A MINIMUM 1.0" DEADBOLT THROW.

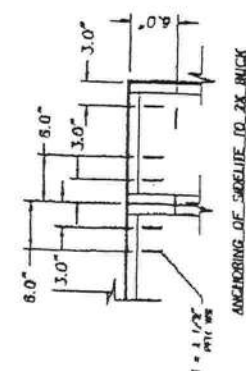
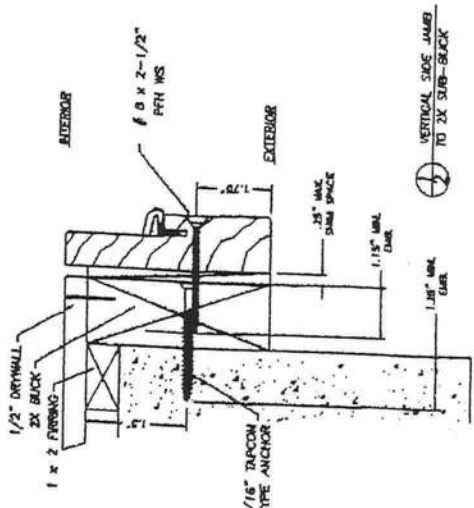
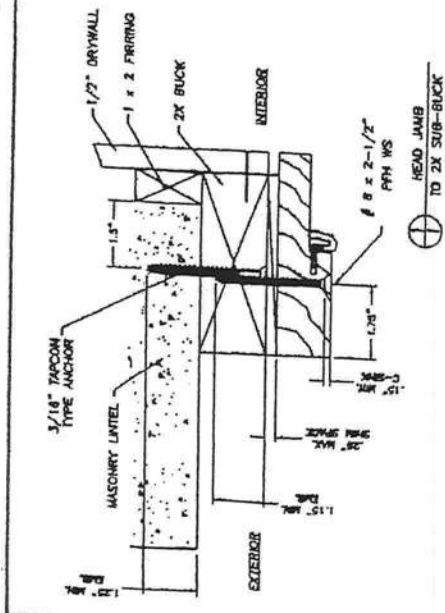
DATE: 7/30/2002
SCALE: N.T.S.
DWG. BY: WL
CHK. BY: RW
REVISED NO.:
TY - 108 -
SHEET 1 OF 1

AUGUST 12, 2002

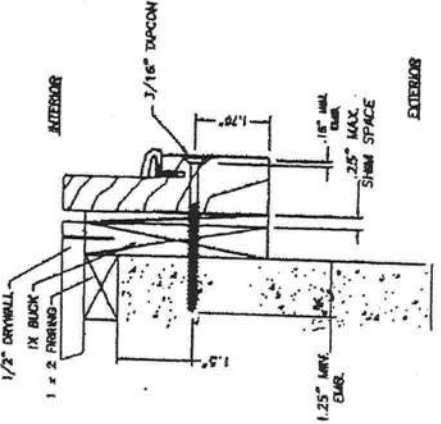
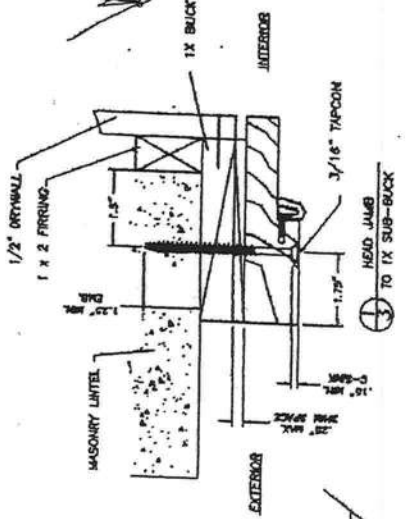
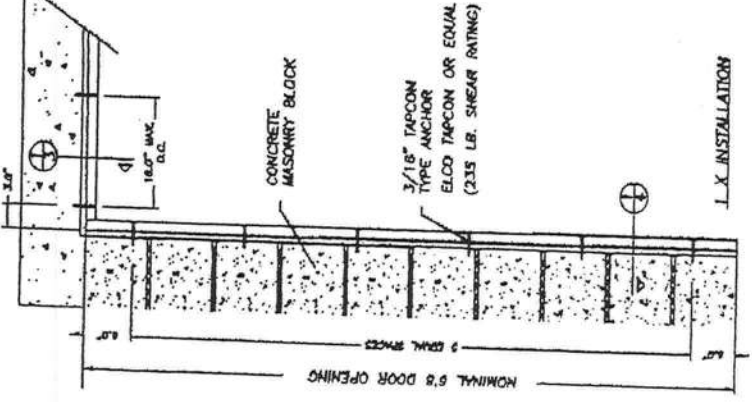
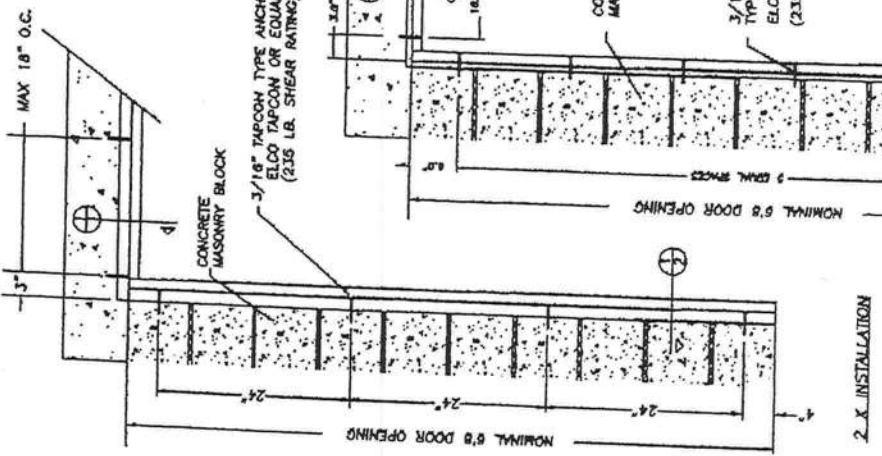
Lynden F. Schmidt
Florida P. E. No. 43409
19506 French Lace Drive Lutz, FL 33558

THERMA-TRU CORPORATION
1687 WOODLAND DRIVE

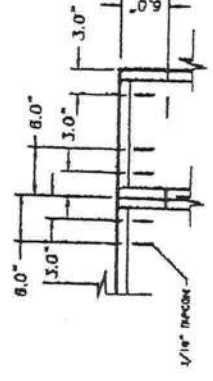
WOOD EDGE STEEL DOOR
OPAQUE W/NO SIDELITES



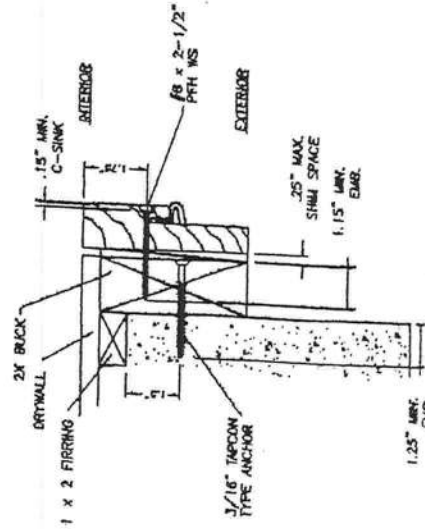
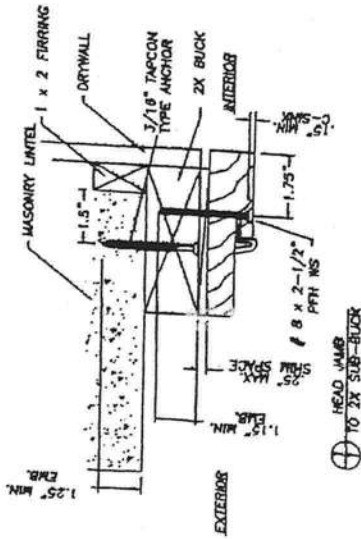
NOTE:
A minimum clearance of 2.0" for all anchoring screws to mortar joints must be maintained.



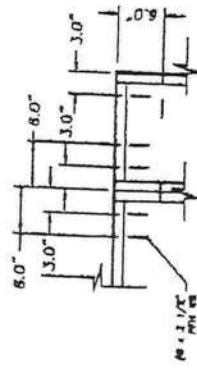
VERTICAL SIDE JAMB
TO 1x SUB-BUCK



ANCHORING OF SUB-ELITE THROUGH 1x BUCK

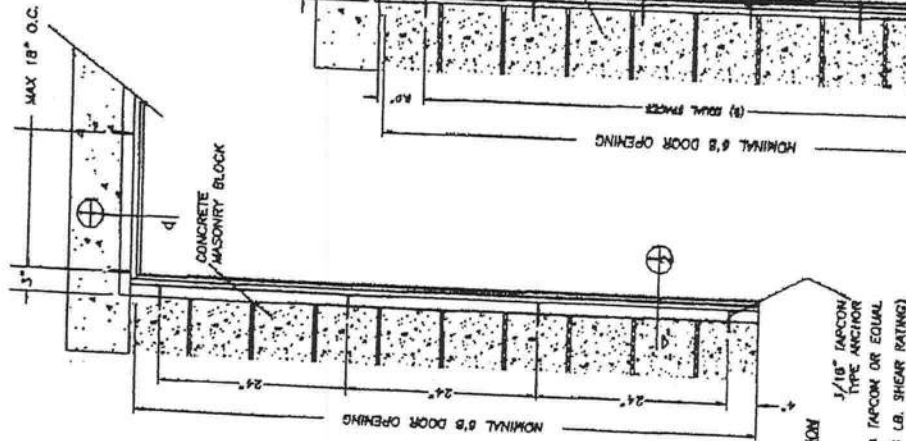


② VERTICAL SIDE JAMBS
TO 2X SUB-BLIND

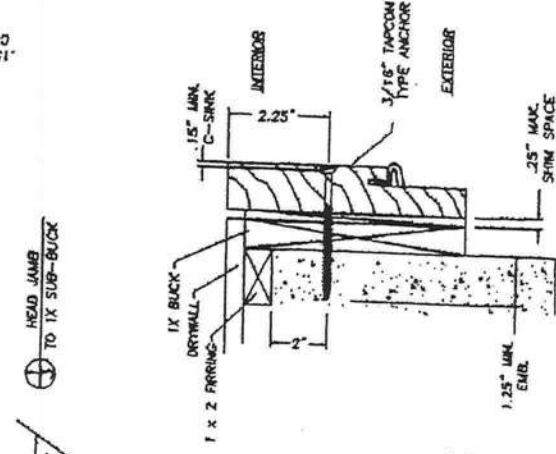


NOTE: ANCHORING OF SIDEWALK TO 2X BLACK

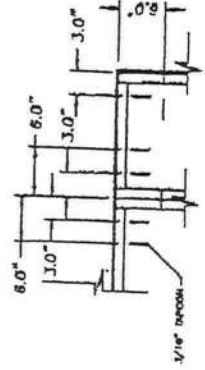
1. When using a 1X sub-buck a 8- $\emptyset$ /1d" joints is required to allow for min. edge spacing for Tapcon type anchors.
2. A minimum clearances of 2.0" for all anchoring screws to mortar joints must be maintained.



28



VERTICAL SIDE JAMB
TO 1 X SUB - BLACK



1-X INSTALLATION

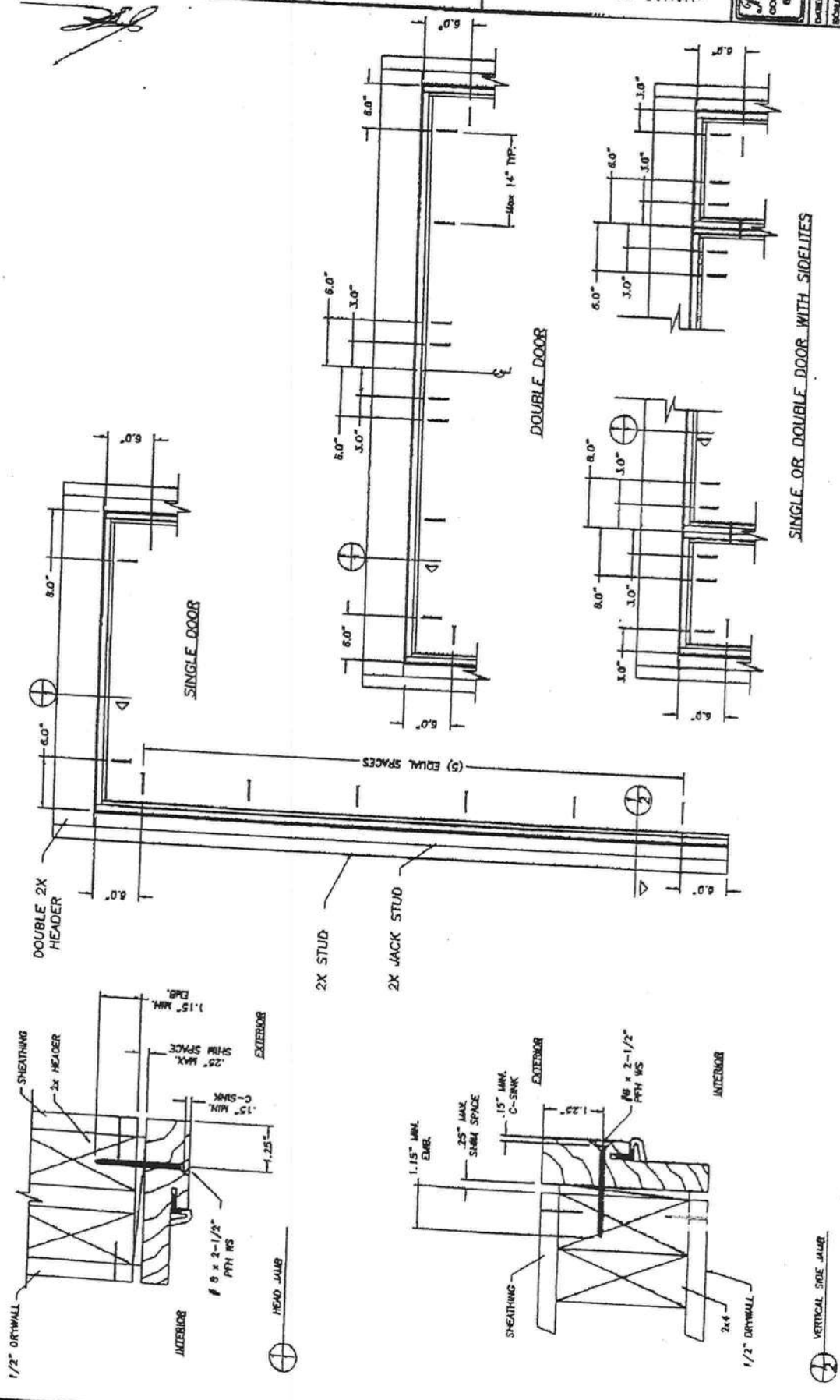
ANCHORING OF SIDELITE THROUGH IX SLICK

Florida P. E. No. 17100
 Lynden F. Schmidt
 AUGUST 12, 2002

THEMA-TRU CORPORATION
 1687 WOODLANDS DRIVE

ANCHOR CROSS SECTIONS
 WOOD OR STEEL STUD

DATE	7/30/02
BY	NTS
CHECKED	NTS
DESIGNED	NTS
CONTRACT NO.	108-0
SHEET	4 OF 4



SINGLE OR DOUBLE DOOR WITH SIDELITES

VERTICAL SIDE JAMB

Report No. ETC 01-741-10622.0
 DC Notification Number ETC 01018 - Date: May 25, 2001
 ETC Certification # 99-0416.01
 Test Start Date: March 23, 2001
 Test End Date: May 1, 2001

Test Requested By: THERMA TRU CORP

108 Mutzfeld Rd.
 Butler, IN 46721
 Phone 219 - 868 - 5811
 Facsimile 219 - 868 - 5190

Tests Conducted: PA 201, PA 202 & PA 203 (with no deviations)

Section 1 - DESCRIPTION OF SERIES:			
Design Pressure:	Specimen	Configuration	Test Results
	Specimen 1	(PA 202)	Out-swing + 67.0 psf.
	Specimen 2	(PA 202)	Out-swing + 67.0 psf.
	Specimen 5	(PA 201 & 203)	In-swing + 67.0 psf.
	Specimens 3 & 4	(PA 201 & 203)	In-swing + 67.0 psf.
			Out-swing + 67.0 psf.

Model Designation - Therma-Tru Construction Series Opaque Wood Edge Steel Door

Overall Size:
 Specimens 1, 3 & 4 - Out-swing Bumper Threshold - 37.5 in. W. x 80.5 in. H. x 4.6 in. D
 Specimens 2 & 5 - In-swing Saddle Threshold - 37.5 in. W. x 82.0 in. H. x 4.6 in. D
Configuration: All Specimens are operable (X)

No. & Size of Doors: All Specimens are opaque door panels
 1 active leaf - 36.0 in. W x 79.25 in. H

Section 2 - MATERIAL CHARACTERISTICS:

Frame and Door Material: Finger jointed pine jambs and steel panels.

Section 2 - MATERIAL CHARACTERISTICS

Cont:

Frame Construction:

The head jambs and side jambs are finger jointed pine measuring 4.656 in. W. x 1.211 in. Thk. The head jamb and side jambs were mortised, butted and joined using (3) 0.5 in. Crown x 2 in. - 16 ga. wire staples at each end. The following thresholds were tested, specimens 1, 3 & 4 - Thermo-Tru Aluminum Out-swing Bump measuring 4.602 in. x 0.837 in. and attached to the jamb with (2) 0.5 in. Crown x 2.5 in. - 16 ga. wire staples at each end. Specimen 1A was affixed with an add-on high dam sill that increased the height of the original bump threshold to 1.878 in. at the inner most plane of the frame system. Specimens 2 & 5 - Self-adjusting In-swing saddle threshold (Alum/Wood/Vinyl) measuring 5.767 in. x 1.548 in. and attached to the jamb with (2) 0.5 in. Crown x 2.5 in. - 16 ga. wire staples at each end. The hinge jamb was mortised to receive Thermo-Tru 4.0 in. x 4.0 in. self-locating hinges located at 9.25 in., 38.5 in. and 67.75 in. from the top of the door jamb.

Panel Construction:

The panel is constructed from 25 Ga. (0.018 in. min. thick) galvanized and primed coated steel face sheets. The interior cavity of each door is filled with BASF polyurethane foam. The face sheet edges are roll formed to form a mechanical interlock with the hinge (1.234 in. thick x 1.660 in. wide) and latch finger jointed pine stiles (1.242 in. thick x 1.660 in. wide). The stiles are machined to interlock with the steel face sheets. The top rail is finger jointed pine (0.789 in. thick x 1.660 in. wide) and the bottom rail is wood composite (0.892 in. thick by 1.660 in. wide) and kerfed to receive a door sweep (sweep used on in-swing models only). The stiles and rails are pressure fitted and contact cement is used to secure them to the steel face sheets. The hinge stile was mortised at 8.375 in., 37.625 in. and 66.875 in. from the top of the door panel to receive 3 Thermo-Tru 4.0" x 4.0" butt type hinges.

Glazing:

N/A

Glazing Material:

N/A

Glazing Method:

N/A

Davlight Opening:

N/A

Weather-stripping:

Specimens 1, 3 & 5

Hinge Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
 Latch Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
 Head Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
 Corner pad seals 2 - 1 at each side jamb at threshold

Specimens 2 & 4

Hinge Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
 Latch Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
 Head Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
 Corner pad seals 2 - 1 at each side jamb at threshold

Specimens 1, 3 & 4

Out-swing Bump threshold 1 row Thermo-Tru vinyl bulb weather-strip.
 Thermo-Tru vinyl fixed door bottom sweep.

Specimens 2 & 5

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-701

Section 2 - MATERIAL CHARACTERISTICS (Cont.)

Hardware: All Specimens (1) Kwikset 700 Series Latchbolt at 44.0 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(1) Kwikset 700 Deadbolt at 38.5 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(3) Thermo-Tru 4 in. butt type hinges
(The hinge was fastened to the door panel with (4) #10 x 0.75 in. PFH WS and fastened to the jamb with (3) #10 x 0.75 in. PFH WS and (1) #10 x 2.0 in. PFH WS.)

Weepholes:

None

Muntins:

None

Reinforcement:

None

SEALANT:

Latex caulking as needed to seal unit into rough opening.

ADDITIONAL DESCRIPTION:

All specimens were installed in a wood test buck.

Section 3 - INSTALLATION:

Screws and Method of Attachment:

Specimens 1, 2, 3, 4 & 5

14 - # 8 x 2.5 in. PFH WS, used to fasten the frame to the wood buck at head and side jambs.

(2) header - one at 6.0 in. from each end.

(6) hinge and latch jamb - In-swing one at 6.0 in. from each end and (4) additional at 14.0 in. on center.
Out-swing one at 6.0 in. from each end and (4) additional at 13.75 in. on center.

(3) threshold - 6.0 from each end and one in the center.

Note - Specimens 2 and 5 (in-swing) were not attached to the wood buck with any screws.

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Reg. # 42929, May 25, 2001 - Joseph L. Doldan

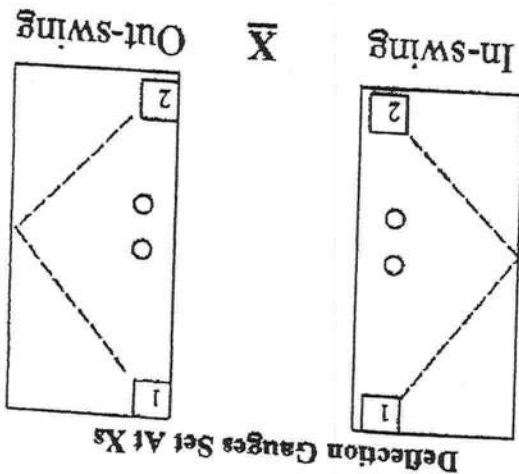
Signature:

Joseph L. Doldan

8-7-01

Section 4 - SEQUENCE OF TESTS PERFORMED:

- Test Sequence: PA 202
1. Air Infiltration
 2. 1/2 Test Pressure Positive
 3. Design Pressure Positive
 4. 1/2 Test Pressure Negative
 5. Design Pressure Negative
 6. Water Infiltration Positive Direction
 7. Full Test Pressure Positive
 8. Full Test Pressure Negative
 9. Forced Entry



Deflection was measured with two (2) Aerospace 2.0" dial indicators: location # 1-SN 213293 and location # 2-SN213848.

TEST RESULTS:

AIR INFILTRATION

Air Infiltration Tests were conducted in accordance with DCBCCD PA 202-94

Air at 1.57 psf	
Specimen 1	Out-swing
Specimen 2	In-swing
Actual	
Specimen 1	0.02 CFM/SQ FT
Specimen 2	0.17 CFM/SQ FT
Allowable	
Specimen 1	0.34 CFM/SQ FT
Specimen 2	0.34 CFM/SQ FT

WATER INFILTRATION TEST

Water Infiltration Test was conducted in accordance with DCBCCD PA 202 - 94

Specimen 1	Out-swing	Water @ 8.25 psf for 15 min.	No water penetration over sill.
Specimen 1A	Out-swing	Water @ 10.0 psf for 15 min.	No water penetration over sill.
Specimen 2	In-swing	Water @ 2.86 psf for 15 min.	No water penetration over sill.

Note: Specimen 1 (remained 1A for water test) was affixed with an add on prototype threshold increasing the inner plane of the threshold to 1.875 in. above floor to achieve the higher water test pressure of 10.0 PSF.

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doidan

Signature:

Joseph L. Doidan

8-7-01

TEST RESULTS Cont.:

STATIC AIR PRESSURE TESTS

Static Tests were conducted in accordance with DCBCCD PA 202-94

Specimen 1 (out-swing) Design Loads + 67.0 psf, - 67.0 psf.

Range of test Positive loads 30 30 30 Time (Sec.) Load (psf) Deflection (in.) Perm. Set (in.)

Door T (1) 0.389

Door B (2) 0.372

0.015

0.016

Perm. Set (in.)

Range of test Negative loads 30 30 30 Time (Sec.) Load (psf) Deflection (in.) Perm. Set (in.)

Door T (1) 1.750

Door B (2) 1.650

0.281

0.257

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span). $0.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$

Specimen 2 (In-swing) Design Loads + 67.0 psf, - 67.0 psf.

Range of test Positive loads 30 30 30 Time (Sec.) Load (psf) Deflection (in.) Perm. Set (in.)

Door T (1) 1.610

Door T (1) 0.395

0.012

0.010

Perm. Set (in.)

Range of test Negative loads 30 30 30 Time (Sec.) Load (psf) Deflection (in.) Perm. Set (in.)

Door B (2) 1.510

Door B (2) 0.365

0.012

0.010

Perm. Set (in.)

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span). $0.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2004 - Joseph L. Doldan

8-1-01

TEST RESULTS Cont.:

FORCED ENTRY TEST

Forced Entry Test was conducted in accordance with DCBCCD PA202-94

Specimen	Size	Time	Result
Specimen 1	37.5 in. W x 80.5 in. H	30 seconds	(Doors remained locked & shut)
Specimen 2	37.5 in. W x 82.0 in. H	30 seconds	(Doors remained locked & shut)

NOTE: Active door panel remained engaged and was operable before and after all tests.

IMPACT TEST - LARGE MISSILE

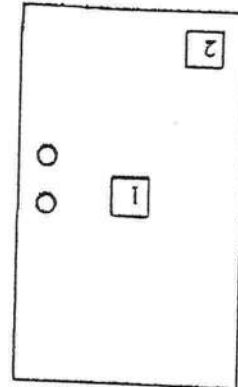
Impact tests were conducted in accordance with DCBCCD PA 201-94.

Note:

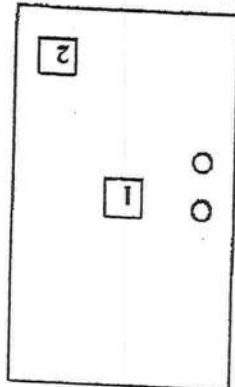
X measurement from left edge of specimen.
Y measurement from top edge of test specimen.

Type and weight of missile: # 2 Southern Yellow Pine, Nominal 2x4,
Length approx. 88.25 in., Weight - 9 lb.

X (In-swing)



X (Out-swing)



Specimen 3

Opaque Single Door (Out-swing)

Impact No. Impact Loc. Speed (Ft/Sec) X-Meas. (in.) Y-Meas. (in.)

1.	1	50.1	16.75	40.25
2.	2	50.2	28.75	71.00

None of the impacts penetrated the specimen and all locks remained engaged. 6-7-01

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

TEST RESULTS Cont.:

IMPACT TEST - LARGE MISSILE Cont:

Specimen 4 Opaque Single Door (Out-swing)

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1.	1	50.1	18.0	40.0
2.	2	50.0	28.5	72.5

None of the impacts penetrated the specimen and all locks remained engaged.

Specimen 5 Opaque Single Door (In-swing)

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1.	1	50.2	16.75	39.50
2.	2	50.1	8.0	72.0

None of the impacts penetrated the specimen and all locks remained engaged.

FATIGUE LOADING TEST

Cycle tests were conducted in accordance with DCBCCD PA 203

Specimen 3 Opaque Single Door (Out-swing)

Design Load psi = + 67.0 psi, - 67.0 psi

Positive loads				
Range of Test	# Cycles	Load (psi)	Cycles/Min.	
+ 0 to 0.5	600	33.5	23	
+ 0 to 0.6	70	40.2	23	
+ 0 to 1.3	1	87.1	23	

671 cycles completed

Negative Loads				
Range of Test	# Cycles	Load (psi)	Cycles/Min.	
+ 0 to 0.5	600	33.5	23	
+ 0 to 0.6	70	40.2	23	
+ 0 to 1.3	1	87.1	23	

671 cycles completed

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-7-01

TEST RESULTS Cont.:

FATIGUE LOADING TEST (Cont.)

Specimen 4
Opaque Single Door (Out-swing)
Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads			
Range of Test	+ 0 to 0.5	+ 0 to 0.6	+ 0 to 1.3
# Cycles	600	70	1
Load (psf)	33.5	40.2	87.1
Cycles/Min.	23	23	23

671 cycles completed

Negative Loads

Range of Test

+ 0 to 0.5

+ 0 to 0.6

+ 0 to 1.3

Cycles

600

70

1

Load (psf)

33.5

40.2

87.1

Cycles/Min.

23

23

671 cycles completed

Specimen 5

Opaque Single Door (In-swing)

Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads			
Range of Test	+ 0 to 0.5	+ 0 to 0.6	+ 0 to 1.3
# Cycles	600	70	1
Load (psf)	33.5	40.2	87.1
Cycles/Min.	23	23	23

671 cycles completed

Negative Loads

Range of Test

+ 0 to 0.5

+ 0 to 0.6

+ 0 to 1.3

Cycles

600

70

1

Load (psf)

33.5

40.2

87.1

Cycles/Min.

23

23

671 cycles completed

Specimens showed no resultant failure or distress after cycle test. No failure of fasteners. Locks remained engaged. There were no cracks longer than 5 in. x 1/16 in. through which air could pass observed. The door was operable at end of test.

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-7-01

Section 5 - DRAWINGS TO BE SUBMITTED:

1. L-2110 sheets 1 through 10 of 10
2. Laboratory Anchor Sketch

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results.

Observers:

Steve Kepner - Project Scientist, THERMA-TRU Corp.
Rick Wright - Consultant, R.W. Building Consultants, Inc.

Dade County Witness:

Not present

All Tests Witnessed by:

Joseph L. Doldan, P.E.
Arthur Murray, ETC Laboratories
Bill Yanda, ETC Laboratories

cc: THERMA TRU CORP.

Rick Wright
File

- (2)
- (2)
- (1)

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-7-01

Conditions, Terms, and General Notes Regarding These Tests

The product tested has been compared to the detailed drawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "Are Equivalent". The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a fabricator of the client or of installed field performance.

This report does not constitute an AAMA, NAWDA or Dade County certified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

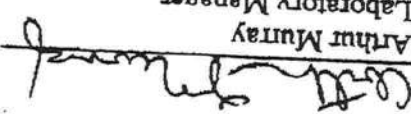
ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

ETC Laboratories letters, reports, its name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of ETC Laboratories, its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, its employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein. ETC Laboratories reserves the right to subcontract any and all work for its clients in order to fulfill its contractual obligations for testing to these standards.

For ETC Laboratories


Bill Yanda
Test Technician


Arthur Murray
Laboratory Manager
Wind Engineering Laboratory



FEB - 4 1990

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

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

TAMKO Roofing Products, Inc.

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

- INTERSTATE 75.
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property

Wind-load Engineering Summary, calculations and any details required
Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.

- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.

- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.

e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specially designed by the registered design

professional.

- All sides
- Roof pitch
- Overhang dimensions and detail with attic ventilation

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

a) Masonry wall

Wall Sections including:

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

a) Truss package including:

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

Foundation Plan including:

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

Floor Plan including:

- a) Building height
- b) Location and size of skylights
- c) Location, size and height above roof of chimneys.

See Note 2

See Note 3

c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall

2. Size and species of studs

3. Sheathing size, type and nailing schedule

4. Headers sized

5. Gable end showing balloon framing detail or gable truss and wall

hinge bracing detail

6. All required fasteners for continuous tie from roof to foundation

(truss anchors, straps, anchor bolts and washers)

7. Roof assembly shown here or on roof system detail (FBC

106.1.1.2) Roofing system, materials, manufacturer, fastening

requirements and product evaluation with wind resistance rating)

8. Fire resistant construction (if applicable)

9. Fireproofing requirements

10. Show type of termite treatment (termiteicide or alternative method)

11. Slab on grade

a. Vapor retarder (6Mil. Polyethylene with joints lapped 6

inches and sealed

b. Must show control joints, synthetic fiber reinforcement or

welded wire fabric reinforcement and supports

12. Indicate where pressure treated wood will be placed

13. Provide insulation R value for the following:

a. Attic space

b. Exterior wall cavity

c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof.

Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida

Registered Professional Engineer

b) Floor joist size and spacing

c) Girder size and spacing

d) Attachment of joist to girder

e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

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

b) Ceiling fans

c) Smoke detectors

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

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

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

h) Exhaust fans in bathroom

HVAC information

a) Energy Calculations (dimensions shall match plans)

b) Manual J sizing equipment or equivalent computation

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

Disclosure Statement for Owner Builders

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

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

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

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

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

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

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Project Name: _____

Location: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Location

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Permit # (FOR STAFF USE ONLY)

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

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE

COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE

TELEPHONE. MUST MAKE AN APPOINTMENT!

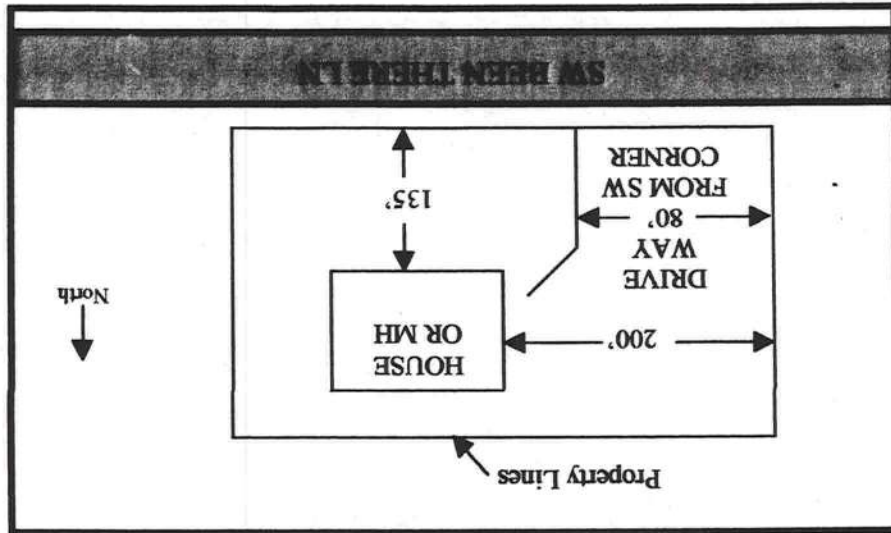
THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

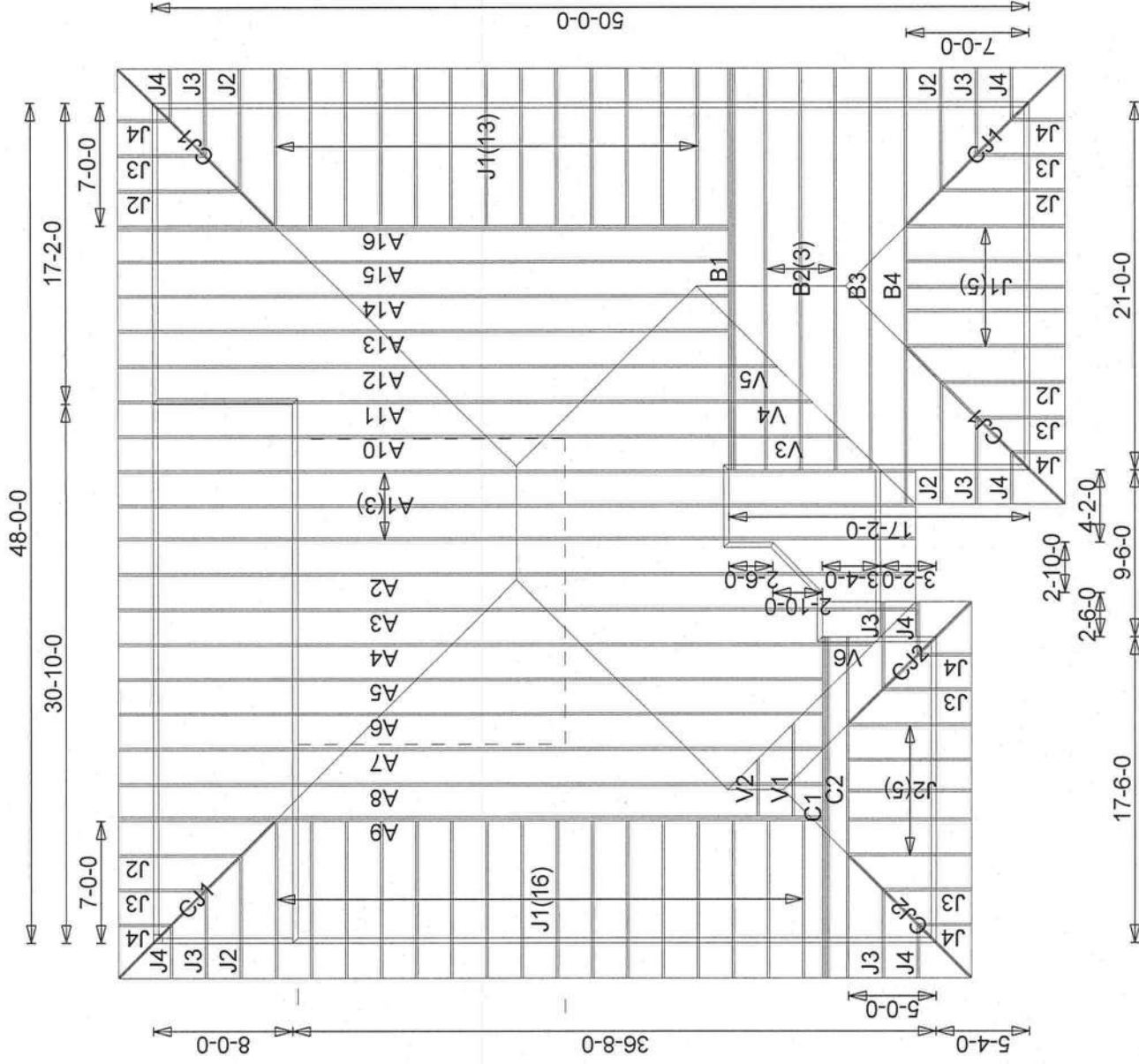
1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.

- a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
- b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
- c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.



Account: CONTRACTORS Job: PLUMBLEVEL Designer: A. HIGHSMITH Checker: M. MURRAY Date: 10-03-05	Roof Loading TC Live: 20.00 psf TC Dead: 10.00 psf BC Live: 0.00 psf BC Dead: 10.00 psf TC Stress Inc: 25.00 BC Stress Inc: 25.00 Spacing: 2- 0- 0 o.c.	PLUMB LEVEL CONST. 110 MPH ASCE WIND LOAD	Mayo Truss Co. Inc. 362 NE CLYDE AVE. MAYO, FL 32066 (386) 294-3988 (877)-558-0262
--	---	---	---

Standard Loading:
 T.C. Live 20 psf
 T.C. Dead 10 psf
 B.C. Live 0 psf
 B.C. Dead 10 psf
 Total 40 psf

ANSI/ASCE 7-98
 Wind Speed - 110 mph
 Mean Roof Ht. - 15 ft.
 Exposure Category - B
 Occupancy Factor - 1.00
 MWFRS
 Enclosed

Notes: Refer to individual truss design drawings for special loading conditions.

Permit Number: _____
 Lot Number: _____
 Address: _____
 Miscellaneous: _____
 The information in this box is for administrative purposes only and is not part of the engineering review.

Truss Fabricator: Mayo Truss Company, Inc
 Job Reference: PLUMB LEVEL - PLUMB LEVEL

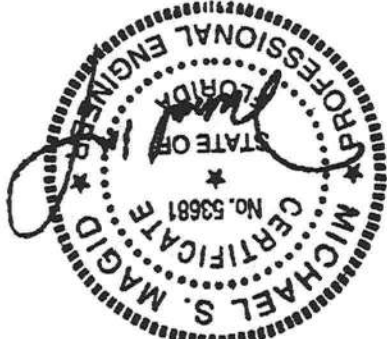
ROBBINS ENGINEERING, INC. P.O. Box 280055 Tampa, FL 33682-0055 Phone: (813) 972-1135		Engineering Index Sheet Index Page 1 of 1	
Job Number	T05092881	Date	9/29/2005
FBC - 2001 Chapter 16 and 23		Specification Quantity	34
A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-1995, Section 2.2. Permanent files of the original Truss Specification Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Software - Online Plus)			

1	11/17/04	A1
5	11/17/04	A5
9	11/17/04	A9
13	11/17/04	A13
17	11/17/04	B1
21	11/17/04	C1
25	11/17/04	J1
29	11/17/04	V1
33	11/17/04	V5

2	11/17/04	A2
6	11/17/04	A6
10	11/17/04	A10
14	11/17/04	A14
18	11/17/04	B2
22	11/17/04	C2
26	11/17/04	J2
30	11/17/04	V2
34	11/17/04	V6

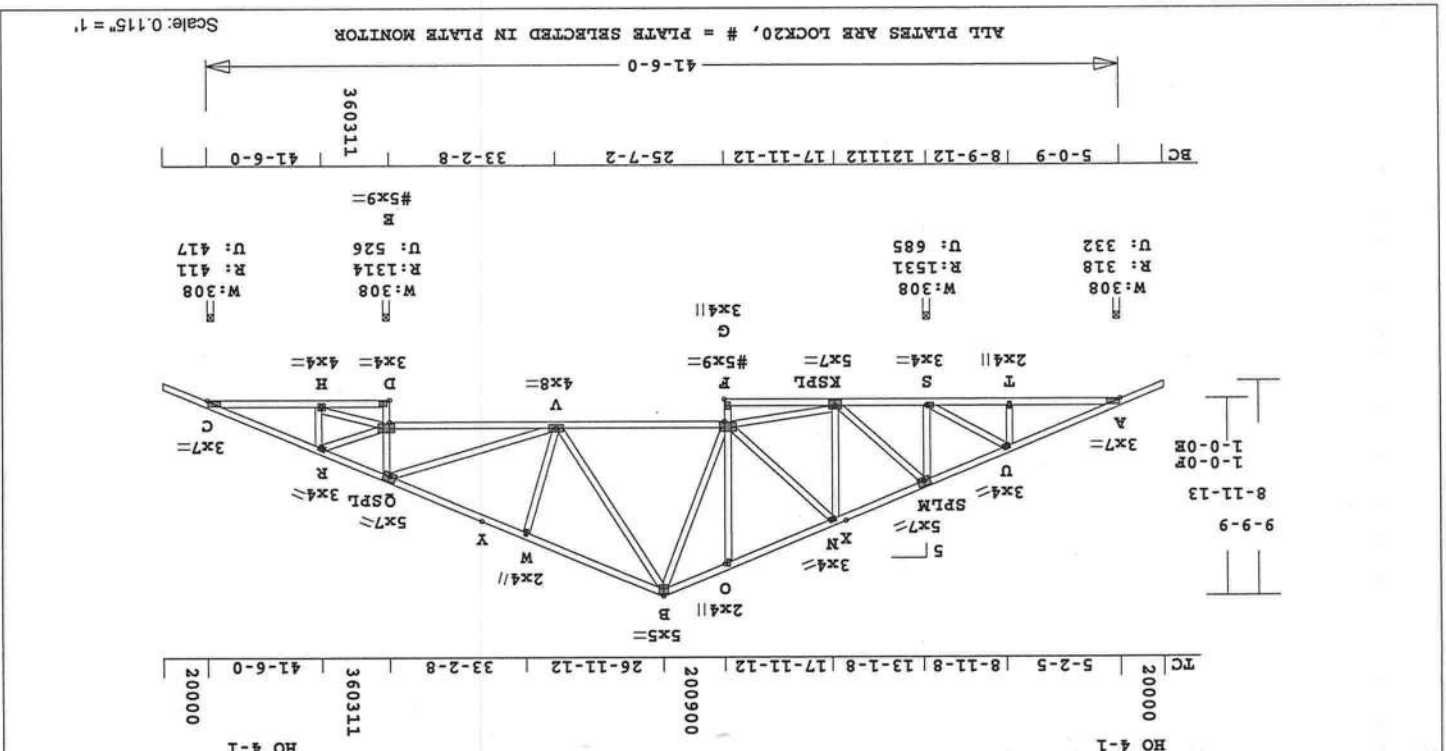
3	11/17/04	A3
7	11/17/04	A7
11	11/17/04	A11
15	11/17/04	A15
19	11/17/04	B3
23	11/17/04	CJ1
27	11/17/04	J3
31	11/17/04	V3

4	11/17/04	A4
8	11/17/04	A8
12	11/17/04	A12
16	11/17/04	A16
20	11/17/04	B4
24	11/17/04	CJ2
28	11/17/04	J4
32	11/17/04	V4

Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	A1	3	SP	410600	5	2-0-0	2-0-0	T05092881



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 319.7 LBS

Online Plus -- Version 18.0.0.1
 RUN DATE: 9-29-05
 LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.
 STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 LIVE DEAD (PSF)
 TOP CHD 20.0
 BTM CHD 10.0
 TOTAL 30.0
 SUPPRT CRITERIA
 JT REACT WIDTH 40.0
 LBS IN-SX 411 3-8
 A 1318 3-8
 D 1314 3-8
 LEFT
 RIGHT
 HEEL 0IN - 4SX
 CS1 P(LBS) M01ST M02ND
 TOP CHORDS
 A-U 0.22 260 T 170 530
 U-M 0.28 392 T 1427 -811
 M-X 0.13 450 C 811 -734
 X-N 0.22 401 C 734 -1443
 N-O 0.23 773 C 1443 -924
 O-B 0.16 773 C 924 -983
 B-W 0.42 859 C 1054 -2673
 W-Y 0.42 904 C 2673 712
 Y-Q 0.26 976 C -712 -1673
 Q-R 0.28 110 T 1673 -1051
 R-C 0.18 352 T -837 -52
 BOTTOM CHORDS
 A-T 0.14 251 C 507 1035
 T-S 0.12 251 C -1035 152
 S-K 0.08 367 C 350 -515
 K-G 0.08 51 C 515 0
 G-V 0.30 652 T 885 -1152
 V-E 0.18 162 T 659 -455
 E-H 0.11 69 C 0 -687
 H-C 0.17 239 T 687 752
 WEBS
 G-F 0.10 42 T 0 -611
 D-E 0.14 1301 C 0 825
 T-U = 198 C U-S = 488 T

PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR
 JT TYPE PLATE SIZE
 A 2001 3.00 X 7.00 7.5 3.2
 B 3010 5.00 X 5.00 CTR CTR
 C 2001 3.00 X 7.00 7.5 3.2
 D 4002 3.00 X 4.00 CTR CTR
 E 8040 5.00 X 9.00 2.7 0.6
 F 8050 5.00 X 9.00 2.7 0.5
 G 4000 3.00 X 4.00 CTR CTR
 H 1012 4.00 X 4.00 CTR CTR
 K 1191 5.00 X 7.00 3.5 3.0
 M 1151 5.00 X 7.00 CTR 3.0
 N 1050 3.00 X 4.00 CTR CTR
 O 1001 2.00 X 4.00 CTR CTR
 Q 1151 5.00 X 7.00 CTR 3.0
 R 1050 3.00 X 4.00 CTR CTR
 S 1030 3.00 X 4.00 CTR CTR
 T 1001 2.00 X 4.00 CTR CTR
 U 1050 3.00 X 4.00 CTR CTR
 V 1070 4.00 X 8.00 CTR CTR
 W 1001 2.00 X 4.00 CTR CTR
 X
 Y

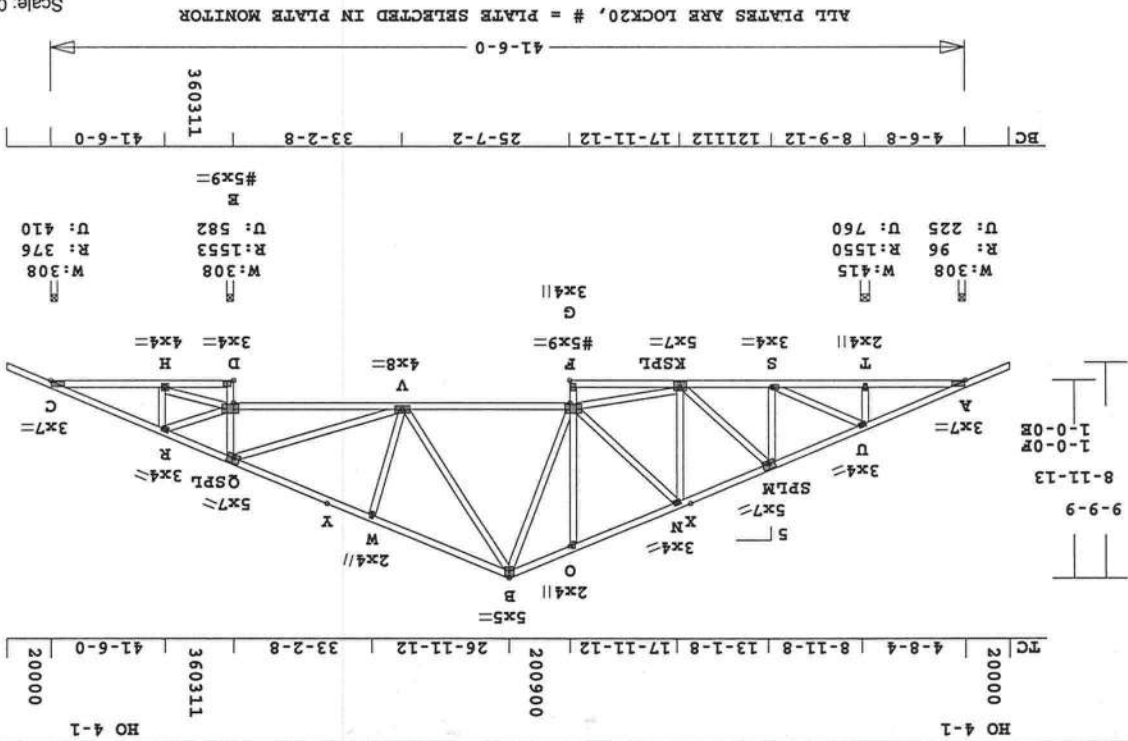
REVISED BY:
 Robbings Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 1. TRUSSES MANUFACTURED BY -
 Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98
- TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 SHIM EACH BEARING WALL AS
 REQUIRED TO INSURE FULL
 BEARING CONTACT WITH
 TRUSS.
5. ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 187 LBS.
6. FASTEN TRUSS TO BRG A
 FOR 332 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
7. FASTEN TRUSS TO BRG S
 FOR 685 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
8. FASTEN TRUSS TO BRG D
 FOR 526 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
9. FASTEN TRUSS TO BRG C
 FOR 417 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.

Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	A2	1	SP	410600	5	2-0-0	2-0-0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL	HO 4-1	20000	HO 4-1	20000	20000	20000	20000	



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.115" = 1'

Online Plus -- Version 18.0.011
Run Date: 9-29-05

CS1 SIZE LUMBER 1.15FB
TOP 0.42 2X 4 SP-#2 1720
BTM 0.35 2X 4 SP-#2 1720
WBS 0.30 2X 4 SP-#2 1720
REPELITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.

STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
TOTAL 20.0 20.0
SUPPORT CRITERIA
JT REACT WIDTH 40.0
LBS IN-SX 4.15
A 96 3-8 T 1550 3-8 C 376 3-8

MEMBER CS1 P (LBS) M01ST M02ND
HEEL 0IN - 4SX
LEFT
D 1553 3-8 C 376 3-8
A 96 3-8 T 1550 4-15
LBS IN-SX 4.15
JT REACT WIDTH 40.0

CS1 P (LBS) M01ST M02ND
HEEL 0IN - 4SX
LEFT
D 1553 3-8 C 376 3-8
A 96 3-8 T 1550 4-15
LBS IN-SX 4.15
JT REACT WIDTH 40.0

CS1 P (LBS) M01ST M02ND
HEEL 0IN - 4SX
LEFT
D 1553 3-8 C 376 3-8
A 96 3-8 T 1550 4-15
LBS IN-SX 4.15
JT REACT WIDTH 40.0

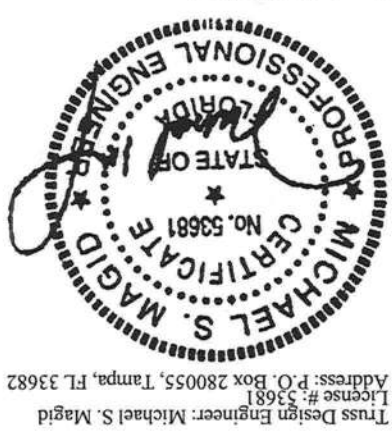
CS1 P (LBS) M01ST M02ND
HEEL 0IN - 4SX
LEFT
D 1553 3-8 C 376 3-8
A 96 3-8 T 1550 4-15
LBS IN-SX 4.15
JT REACT WIDTH 40.0

S-M = 523 C M-K = 309 T
K-N = 135 T N-F = 135 T
K-F = 1177 T F-O = 206 C
P-B = 569 T B-V = 135 C
V-W = 380 C V-Q = 1371 T
E-Q = 1261 C E-R = 426 T
E-H = 248 T H-R = 141 C
DL+LL DEFL = 0.17" IN B-W
LT DEFL = 0.05" < BRG-SPAN/240
SPAN/DEFL (DL+LL) = 999

PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339-465 PSI PER PAIR
SHEAR 784-506 PSI PER PAIR

UT TYPE PLATE SIZE X
A 2001 3.00 X 7.00 7.5 3.2
B 3010 5.00 X 5.00 CTR CTR
C 2001 3.00 X 7.00 7.5 3.2
D 4002 3.00 X 4.00 CTR CTR
E 8040 5.00 X 9.00 2.7 0.6
F 8050 5.00 X 9.00 2.7 0.5
G 4000 3.00 X 4.00 CTR CTR
H 1012 4.00 X 4.00 CTR CTR
K 1191 5.00 X 7.00 3.5 3.0
M 1151 5.00 X 7.00 CTR CTR
N 1050 3.00 X 4.00 CTR CTR
O 1001 2.00 X 4.00 CTR CTR
Q 1151 5.00 X 7.00 CTR CTR
R 1050 3.00 X 4.00 CTR CTR
S 1030 3.00 X 4.00 CTR CTR
T 1001 2.00 X 4.00 CTR CTR
U 1050 3.00 X 4.00 CTR CTR
V 1070 4.00 X 8.00 CTR CTR
W 1001 2.00 X 4.00 CTR CTR
X X
Y X

1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
NOTES:
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOL SHEET FOR
ADDITIONAL SPECIFICATIONS.



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

2. EMPIRICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
MEAN WIND SPEED - 110 MPH
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
SHIM EACH BEARING WALL AS
REQUIRED TO INSURE FULL
BEARING CONTACT WITH
TRUSS.
5. ANCHOR TRUSS FOR A TOTAL
HORIZONTAL LOAD OF 187 LBS.
6. FASTEN TRUSS TO BRG A
FOR 225 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
7. FASTEN TRUSS TO BRG I
FOR 760 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
8. FASTEN TRUSS TO BRG D
FOR 582 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
9. FASTEN TRUSS TO BRG C
FOR 410 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.

Truss Design Engineer: Michael S. Magid
License #: 33681
Address: P.O. Box 280055, Tampa, FL 33682

1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
2. EMPHATIC ANALOG IS USED.
3. WIND LOADS - ANSII/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
4. TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
SHIM EACH BEARING WALL AS
REQUIRED TO INSURE FULL
BEARING CONTACT WITH
TRUSS.
5. ANCHOR TRUSS FOR A TOTAL
HORIZONTAL LOAD OF 173 LBS.
6. PROVIDE DRAINAGE TO
PREVENT WATER PONDING.
7. FASTEN TRUSS TO BRG A
FOR 22 LBS OF UPLIFT,
WHITE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
8. FASTEN TRUSS TO BRG U
FOR 548 LBS OF UPLIFT,
WHITE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 336.6 LBS
U-TL = 1378 C LT-BB = 1586 T
ADDITIONAL SPECIFICATIONS.

1 SELECTED VIA PLATE MONITOR
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

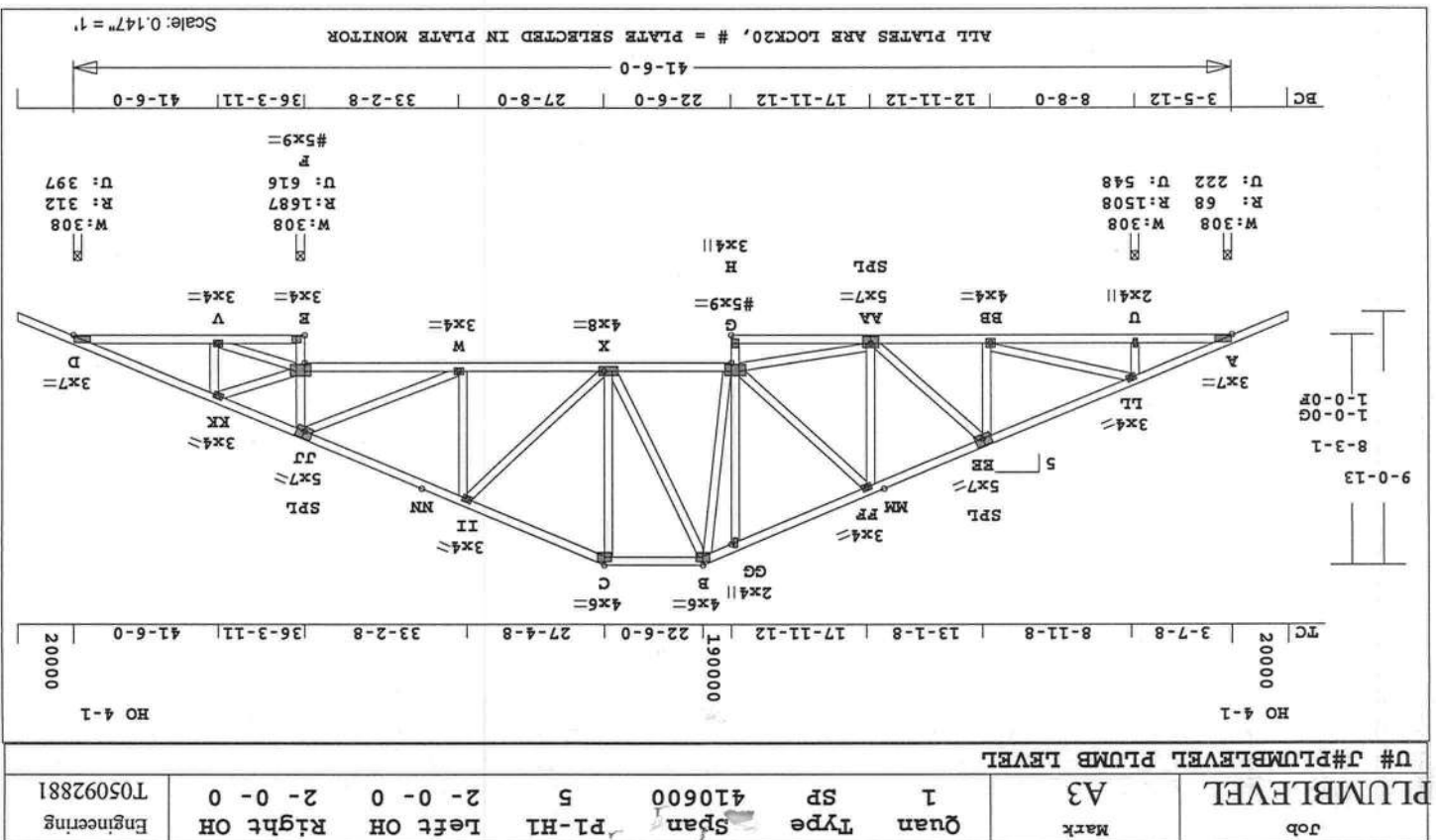
[illegible]

DL+TLT DEFL = 0.15" IN PG-
TLT DEFL = 0.06" < BRG-SPAN/240
SPAN/DEFL (DL+TLT) = 999

PLATING CONFORMS TO TPI.
REPORT: NER 691
BASED ON SP LUMBER.
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339 - 465 PLI PER PAIR
SHEAR 784 - 506 PLI PER PAIR

1586 T	LT-BB	=	1378 C
81 T	EE-AA	=	350 C
1272 T	AA-G	=	195 C
209 C	G-GG	=	130 T
196 C	B-X	=	598 T
150 T	X-II	=	183 T
1473 T	W-JJ	=	496 C
1427 C	F-UJ	=	1675 C
193 C	F-VJ	=	473 C
			148 C

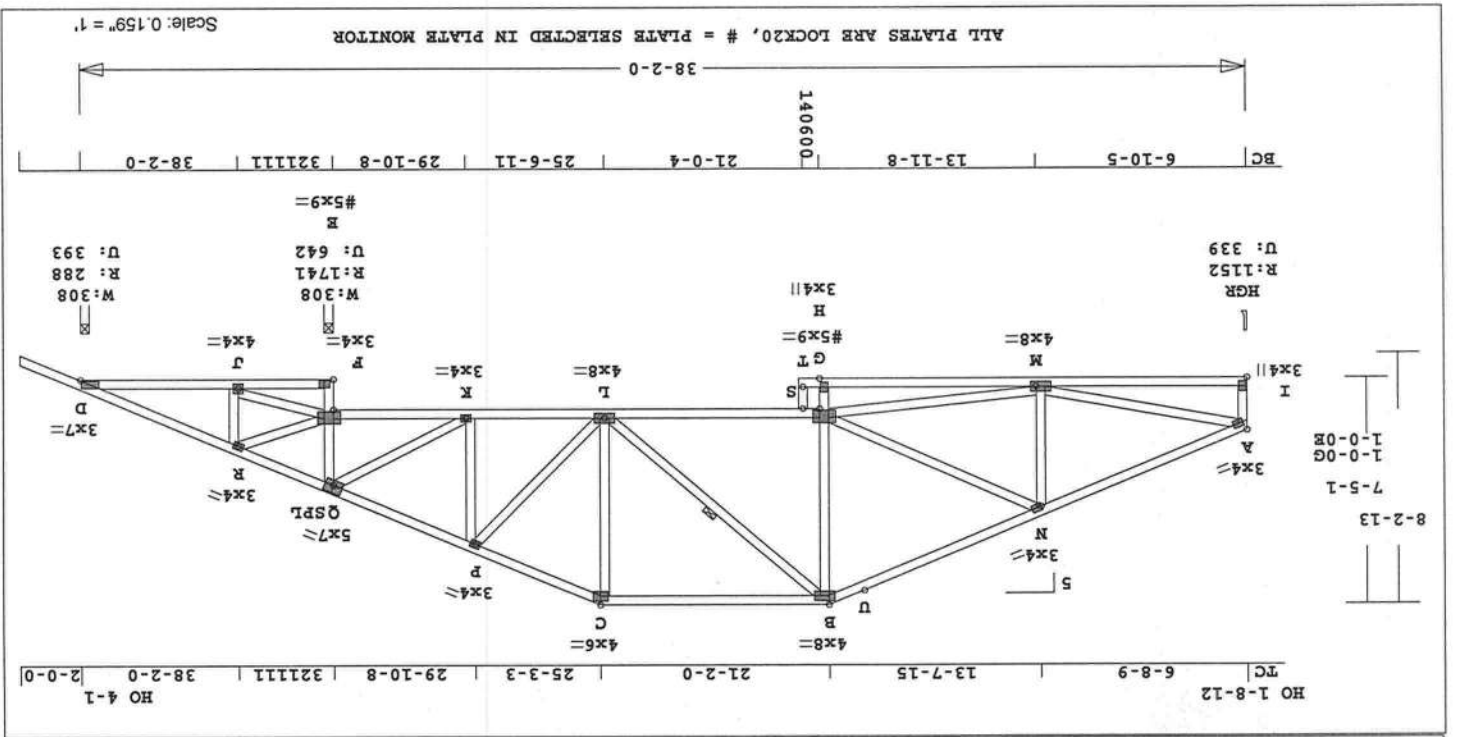
RUN DATE: 9-29-05									
ONLINE PLUS - Version 18.0.011									
LUMBER BRACING:									
TOP CHORD - CONTINUOUS									
BTM CHORD - CONTINUOUS									
TRUSS SPACING - 24.0 IN.									
STANDARD LOADING									
LUMBER STRESS INCREASE: 25.0%									
LIVE DEAD (PSF)									
TOP CHD 20.0									
BTM CHD 0.0									
TOTAL 20.0									
SUPPORT CRITERIA									
JT REACT WIDTH 17.0									
LBS IN-SX 17.0									
A 68									
E 1687									
LEFT 3-8 D									
RIGHT 3-8									
MEMBER CSI P (LBS) MOIST %20ND									
A-LT 0.35									
LT-EE 0.30									
EE-MM 0.20									
MM-FP 0.23									
FP-GG 0.22									
GG-B 0.17									
B-C 0.13									
C-II 0.31									
II-MM 0.30									
NN-JT 0.24									
JT-KK 0.32									
KK-D 0.18									
BOTTOM CHORDS									
A-U 0.15									
U-BB 0.15									
BB-AA 0.31									
AA-H 0.09									
H-X 0.30									
X-M 0.26									
M-W 0.15									
W-E 0.12									
E-V 0.14									
V-D 0.14									
MEMBS									
42 J 0.07									
0									
400									



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering	T05092881
PLUMBLEVEL	A3	1	SP	410600	5	2 - 0 - 0	2 - 0 - 0		
U# J#PLUMBLEVEL PLUMB LEVEL									

9. FASTEN TRUSS TO BRG E
FOR 616 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
10. FASTEN TRUSS TO BRG D
FOR 397 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	A4	1	SP	380200	5	0	2 - 0 - 0	T05092881
U# J# PLUMB LEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 294.8 LBS

1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
4. ANCHOR TRUSS FOR A TOTAL
HORIZONTAL LOAD OF 180 LBS.
5. PROVIDE DRAINAGE TO
PREVENT WATER PONDING.
6. FASTEN TRUSS TO BRG I
FOR 339 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
7. FASTEN TRUSS TO BRG F
FOR 642 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
8. FASTEN TRUSS TO BRG D
FOR 393 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.

PLATE TYPE PLATE SIZE X
A 4110 3.00 X 4.00 CTR
B 5150 4.00 X 8.00 CTR
C 5101 4.00 X 6.00 CTR
D 2001 3.00 X 7.00 CTR
E 8040 3.00 X 9.00 CTR
F 4002 3.00 X 4.00 CTR
G 8040 5.00 X 9.00 CTR
H 4000 3.00 X 4.00 CTR
I 4000 3.00 X 4.00 CTR
J 1012 4.00 X 4.00 CTR
K 1050 3.00 X 4.00 CTR
L 1070 4.00 X 8.00 CTR
M 1072 4.00 X 8.00 CTR
N 1050 3.00 X 4.00 CTR
P 1050 3.00 X 4.00 CTR
Q 1151 5.00 X 7.00 CTR
R 1050 3.00 X 4.00 CTR
U
I SELECTED VIA PLATE MONITOR
WITH 2.0X4.0 PLATES AT EACH END.

REVIEWED BY:
Robbins Engineering, Inc.
Tampa, FL 33682
PO Box 280055
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:

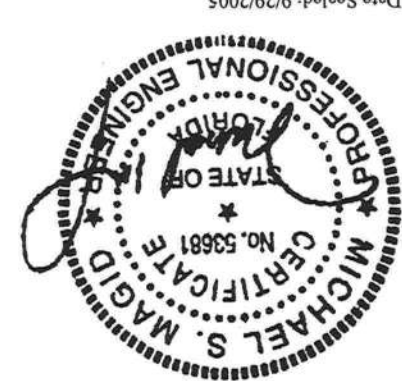
STANDARD LOADING
PLATE STRESS INCREASE: 25.0%
LUMBER STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
TOTAL 20.0 20.0
SUPPORT CRITERIA
UT REACT WIDTH UT REACT WIDTH
LBS IN-SX 1741 3-8
I 1152 3-8
D 288 3-8
LEFT
RIGHT
01N - 4SX
MEMBER CSI P (LBS) M02ND
TOP CHORDS
A-N 0.52 1559 C 7 -3256
N-U 0.53 1493 C 3256 -427
U-B 0.42 1414 C 2457 -2566
B-C 0.53 1072 C 2045 -1941
C-P 0.30 1153 C 1858 -836
P-Q 0.17 837 C 836 -1093
Q-R 0.29 562 T 1093 -1284
R-D 0.21 297 T -958 -99
BOTTOM CHORDS
I-M 0.19 199 T 1 -703
M-H 0.19 60 C 730 0
H-L 0.41 1371 T 611 -1042
L-K 0.30 770 T 1042 -21
K-E 0.13 518 C 21 -833
E-J 0.12 62 C 0 -764
J-D 0.14 188 C -969 -383
G-B 0.16 377 T -582 0

Robbins Engineering, Inc./Online Plus™ Version 18.0.011
RUN DATE: 9-29-05
Online Plus -- Version 18.0.011

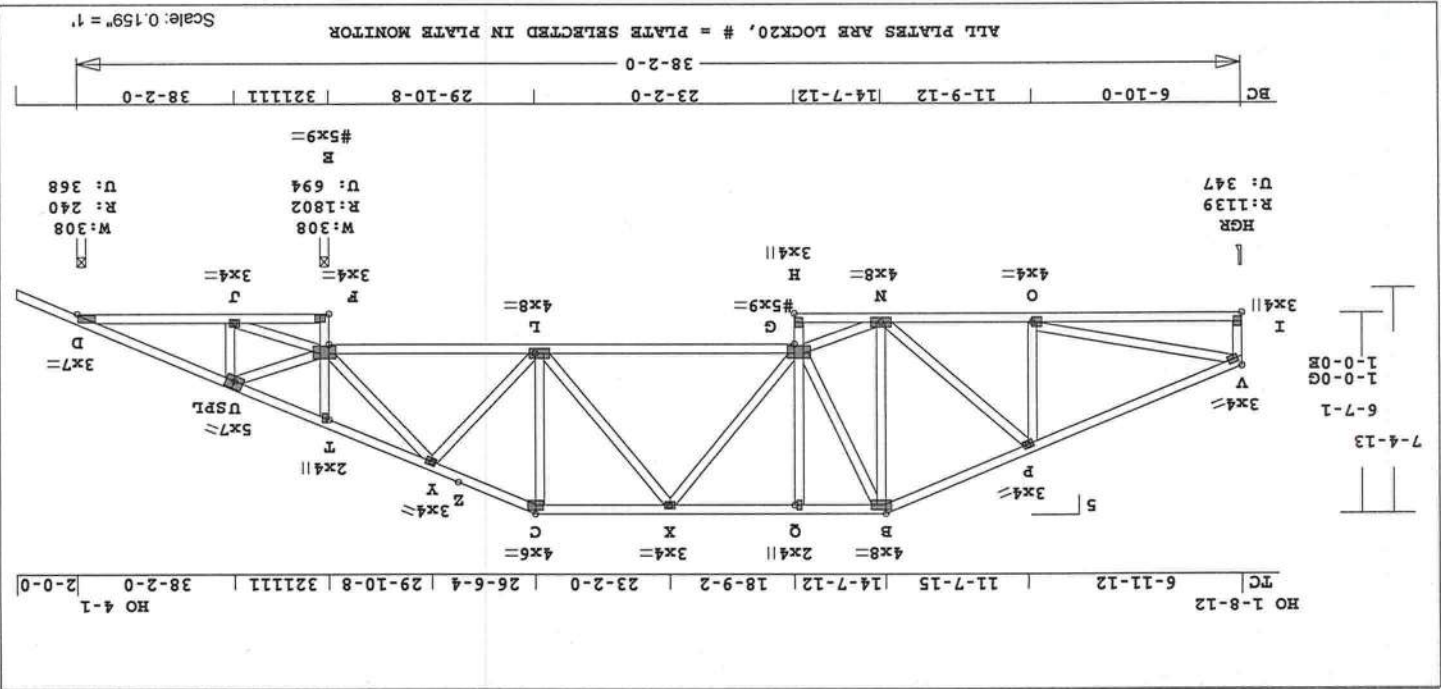
CS1 SIZE LUMBER 1.15PB
TOP 0.53 2X 4 SP-#2 1720
BTM 0.41 2X 4 SP-#2 1720
WBS 0.31 2X 4 SP-#2 1720
REPEITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%
LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
ONE BRACE - B-1

PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDS 25.0% INCREASE
TENSION 1339 - 465 PLI PER PAIR
SHEAR 784 - 506 PLI PER PAIR

DATE: 9/29/2005
DATE Scaled: 9/29/2005
Page 1



Job	Mark	Quan	Type	SP	PI-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	A5	1	SP	380200	5	0	2 - 0 - 0	T05092881



Online Plus -- Version 18.0.011
 RUN DATE: 9-29-05
 CS1 SIZE LUMBER 1.15FB
 2X 4 SP-#2 1720
 2X 4 SP-#2 1720
 2X 4 SP-#2 1720
 2X 4 SP-#2 1720
 REPERITIVE MEMBER INCREASES:
 FB 15.0% FT 0.0% FC 0.0%
 LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.
 STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 LIVE DEAD (PSF)
 TOP CHD 20.0 10.0
 BTM CHD 0.0 10.0
 TOTAL 20.0 40.0
 SUPPORT CRITERIA
 JT REACT WIDTH JT REACT WIDTH
 LBS IN-SX LBS IN-SX
 I 1139 3-8 F 1802 3-8
 D 240 3-8

V-P	0.58	1526 C	7	-3050
P-B	0.49	1350 C	3050	1
B-Q	0.15	1517 C	859	-474
Q-X	0.21	1524 C	474	-1248
X-C	0.20	928 C	1248	-604
Z-Y	0.11	1034 C	-234	-515
Y-T	0.25	735 T	515	-822
U-D	0.24	239 T	-1029	-136
I-O	0.14	183 T	1	-536
O-N	0.39	1422 T	852	-271
N-H	0.04	58 C	99	0
G-L	0.43	1349 T	1165	-1217
L-E	0.28	495 T	1217	-902
F-J	0.12	68 C	0	-798
J-D	0.14	157 C	-906	-165
H-G	0.11	23 T	0	-674

Robbins Engineering, Inc./Online Plus™ @ 1996-2005 Version 18.0.011 Engineering - Portrait 9/29/2005 2:20:38 PM Page 1
 NOTES AND SYMBOLS SHEET FOR
 REFER TO ROBBINS ENG. GENERAL
 Tampa, FL 33682
 PO Box 280055
 Robbins Engineering, Inc.
 REVIEWED BY:
 SELECTED VIA PLATE MONITOR

Z	Y	X	W	V	U	T	Q	P	O	N	M	L	J	I	H	G	F	E	D	C	B	A
1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	
3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	

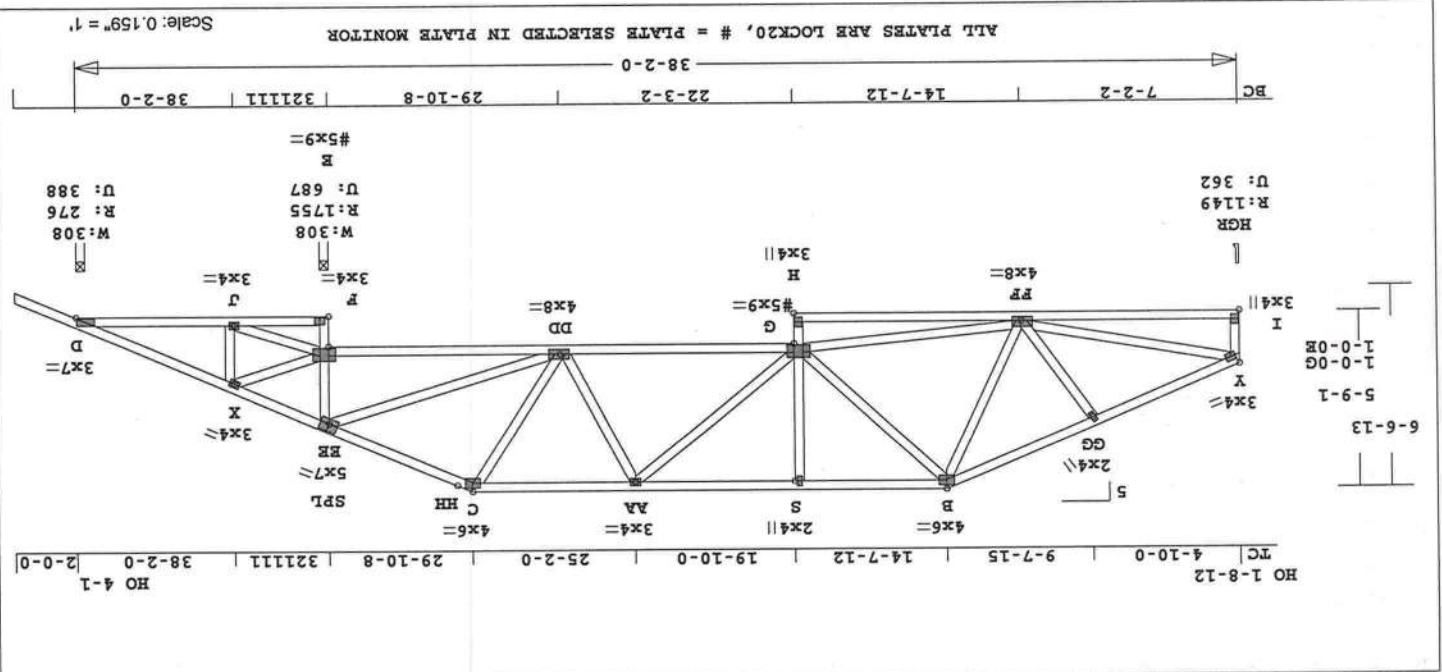
PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR
 D+L DEF = 0.24" IN V-P
 LT DEF = 0.07" < BRG-SPAN/240
 SPAN/DEF (DL+LL) = 999

1. TRUSSES MANUFACTURED BY -
2. MAYO TRUSS CO. INC.
3. WIND LOADS - ANSI/ASCE 7-98
4. ANCHOR TRUSS FOR A TOTAL
5. PROVIDE DRAINAGE TO
6. FASTEN TRUSS TO BRG I
7. FASTEN TRUSS TO BRG F
8. FASTEN TRUSS TO BRG D



Truss Design Engineer: Michael S. Magid
 License # 53681
 Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	A6	1	SP	380200	5	0	2-0-0	T05092881



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 287.5 LBS

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPERICAL ANALOG IS USED.

3. WIND LOADS - ANSI/ASCE 7-98

TRUSS IS DESIGNED AS A

MAIN WIND-FORCE RES SYSTEM

FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH

MEAN ROOF HEIGHT - 15'

EXPOSURE CATEGORY - B

OCCUPANCY FACTOR - 1.00

ENCLOSED BUILDING.

TC DEAD LOAD = 5.0 PSF

BC DEAD LOAD = 5.0 PSF

4. ANCHOR TRUSS FOR A TOTAL

HORIZONTAL LOAD OF 147 LBS.

5. PROVIDE DRAINAGE TO

PREVENT WATER PONDING.

6. FASTEN TRUSS TO BRG I

FOR 362 LBS OF UPLIFT,

WHITE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

7. FASTEN TRUSS TO BRG F

FOR 687 LBS OF UPLIFT,

WHITE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

8. FASTEN TRUSS TO BRG D

FOR 388 LBS OF UPLIFT,

WHITE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

Online Plus -- Version 18.0.011

RUN DATE: 9-29-05

CSI

SIZE LUMBER 1.15FB

TOP 0.32 2X 4 SP-#2 1720

BTM 0.46 2X 4 SP-#2 1720

WBS 0.55 2X 4 SP-#2 1720

REPELITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 10.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT REACT WIDTH JT REACT WIDTH

LBS IN-SX LBS IN-SX

I 1149 3-8 F 1755 3-8

D 276 3-8

HEEL

MEMBR CSI P(LBS) M@1ST M@2ND

TOP CHORDS

Y-GG 0.29 1670 C 7 -1739

GG-B 0.29 1496 C 1739 -257

B-S 0.26 1831 C 1516 -1282

S-AA 0.30 1846 C 1282 -1776

AA-C 0.29 1255 C 1776 -1079

C-HH 0.13 1178 C 630 -67

HH-EE 0.23 1231 C 67 -1384

EE-X 0.32 582 T 1384 -1229

X-D 0.21 284 T -928

BOTTOM CHORDS

I-FF 0.22 166 T 1 -813

FF-H 0.22 567 T 567 -1146

G-D 0.46 1566 T 567 -1146

DD-E 0.21 528 C 1146 -1352

F-J 0.12 92 C 0 -780

J-D 0.14 187 C -903 -168

WEBS

H-G 0.08 59 T 0 223

G-S 0.14 291 C -791 0

I-X = 1094 C Y-FF = 1587 T

F-E 0.20 1744 C 0 1104

DL+LT DEFL = 0.22" IN FF-H

LT DEFL = 0.09" < BRG-SPAN/240

SPAN/DEFL (DL+LT) = 999

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

USING GROSS AREA TEST.

PLATES - 20 GAUGE LOCK

GRIPPING 632-312 PSI PER PAIR

INCLUDES 25.0% INCREASE

TENSION 1339-465 PLI PER PAIR

SHEAR 784-506 PLI PER PAIR

PLATE SIZE

X X

CTR CTR

5110 4.00 X 6.00

D 2001 3.00 X 7.00

IE 8040 5.00 X 9.00

F 4002 3.00 X 4.00

IG 8050 5.00 X 9.00

H 4000 3.00 X 4.00

I 4000 3.00 X 4.00

J 1030 3.00 X 4.00

X 1001 2.00 X 4.00

S 1050 3.00 X 4.00

Y 4110 3.00 X 4.00

AA 1010 3.00 X 4.00

DD 1070 4.00 X 8.00

EE 1151 5.00 X 7.00

FF 1091 4.00 X 8.00

GG 1001 2.00 X 4.00

HH

SELECTED VIA PLATE MONITOR

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

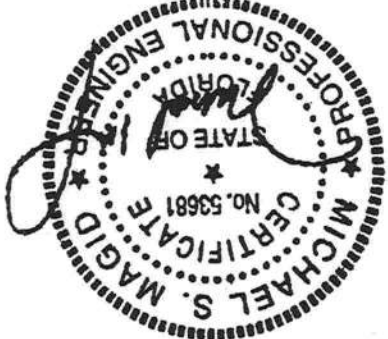
Tampa, FL 33682

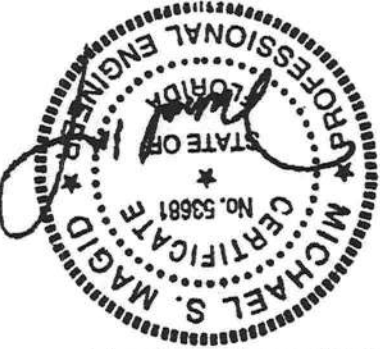
REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682





Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

- NOTES:
1. TRUSSES MANUFACTURED BY -
 2. EMPERICAL ANALOG IS USED.
 3. WIND LOADS - ANSI/ASCE 7-98
 4. ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 130 LBS.
 5. FASTEN TRUSS TO BRG G FOR 353 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG I FOR 706 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
 7. FASTEN TRUSS TO BRG D FOR 360 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

ADDITIONAL SPECIFICATIONS.

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

R = PLATE IS ROTATED BY 90 DEG

JT TYPE	PLATE SIZE	X	Y
A	4100	3.00 X 4.00	CTR
B	5150	4.00 X 8.00	CTR
C	5150	4.00 X 8.00	CTR
D	2001	3.00 X 7.00	CTR
E	1151	5.00 X 7.00	CTR
F	1030	3.00 X 4.00	CTR
G	4010	3.00 X 7.00	CTR
H	1001	2.00 X 4.00	CTR
I	1050	3.00 X 4.00	CTR
J	1050	3.00 X 4.00	CTR
K	1170	5.00 X 9.00	CTR
N	1102	5.00 X 7.00	CTR
O	1030	3.00 X 4.00	CTR
P	1050	3.00 X 4.00	CTR
Q	1050	3.00 X 4.00	CTR
R	1012R	3.00 X 4.00	CTR

1512 C = G-R
93 T = F-B
402 C = K-N
665 C = J-O
981 C = E-C
1692 C = I-Q
168 C = H-P

DL+LL DEFL = 0.22" IN B-N
LT DEFL = 0.08" > BRG-SPAN/240
SPAN/DEFL (DL+LL) = 999

PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339-465 PLI PER PAIR
SHEAR 784-506 PLI PER PAIR

G-A	105 C	G-R	1512 C
R-F	216 T	F-B	93 T
B-K	433 T	K-N	402 C
K-O	474 T	J-O	665 C
J-C	1427 T	E-C	981 C
E-Q	1407 T	I-Q	1692 C
I-P	462 C	H-P	168 C

CSL SIZE LUMBER 1.15FB
TOP 0.43 2X 4 SP-#2 1720
BTM 0.44 2X 4 SP-#2 1720
WBS 0.66 2X 4 SP-#2 1720

REPERITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.

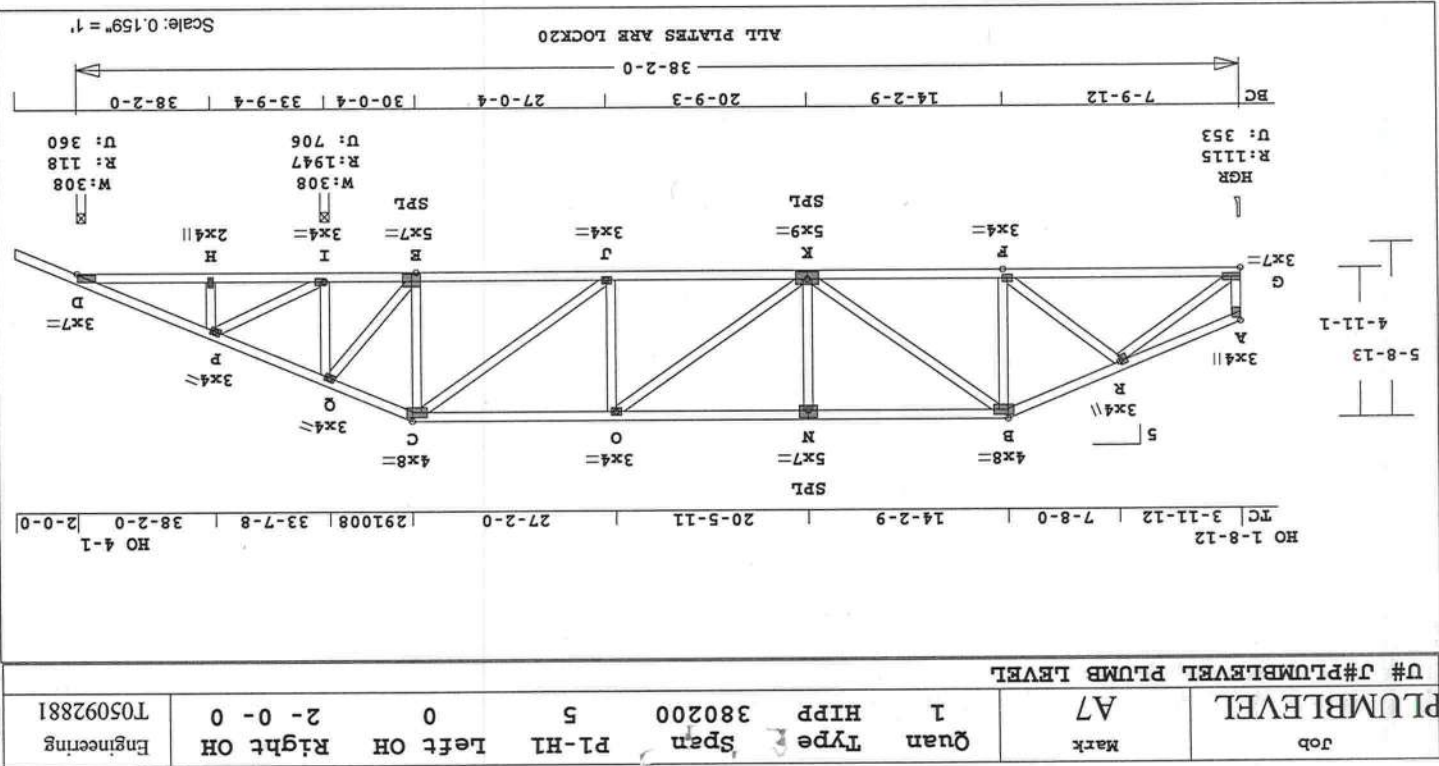
STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
TOTAL 20.0 20.0

SUPPORT CRITERIA
JT REACT WIDTH
LBS IN-SX
G 1115 3-8 I 1947 3-8
D 118 3-8

HEEL
LEFT
RIGHT
OIN - 4SX

MEMBR CSI P(LBS) M@1ST M@2ND
TOP CHORDS
A-R 0.15 57 T -5 718
R-B 0.16 1458 C 900 -608
B-N 0.42 1701 C 1577 -2592
N-O 0.43 1701 C 2592 -2418
O-C 0.39 1318 C 2418 -2135
C-Q 0.15 165 C -547 -985
Q-P 0.33 826 T 985 -1250
P-D 0.27 393 T 1250 188

BOTTOM CHORDS
G-F 0.41 1177 T 2 -1260
F-K 0.44 1343 T 1260 -601
K-J 0.37 1317 T 601 -825
J-E 0.15 173 T 449 -373
E-I 0.10 765 C 633 -331
I-H 0.10 352 C 331 -651
H-D 0.12 352 C 651 767





Truss Design Engineer: Michael S. Magid
License #: 33681
Address: P.O. Box 280055, Tampa, FL 33682

3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
4. PRESENT TRUSS ROTATION AT
ALL BEARING LOCATIONS.
5. ANCHOR TRUSS FOR A TOTAL
HORIZONTAL LOAD OF 114 LBS.
6. FASTEN TRUSS TO BRG G
FOR 344 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALT OR BRG.
7. FASTEN TRUSS TO BRG I
FOR 805 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALT OR BRG.
8. FASTEN TRUSS TO BRG D
FOR 356 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALT OR BRG.

95, Inc./online plus" approx. TRUSS

-B	=	211 C	B-S	=	715 T
-T	=	255 C	T-R	=	155 C
-U	=	362 C	R-V	=	1030 T
-V	=	1779 C	Q-C	=	1915 T
-I	=	1872 C	I-Y	=	548 C
-Y	=	189 C			

DL+LT DEFL = 0.24" IN T-U
LT DEFL = 0.11" < BRG-SPAN/240
SPAN/DEFL (DL+LT) = 999

FLATING CONFORMS TO TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
WRAPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339- 465 PLI PER PAIR
SHEAR 784- 506 PLI PER PAIR

UT TYPE PLATE SIZE X Y

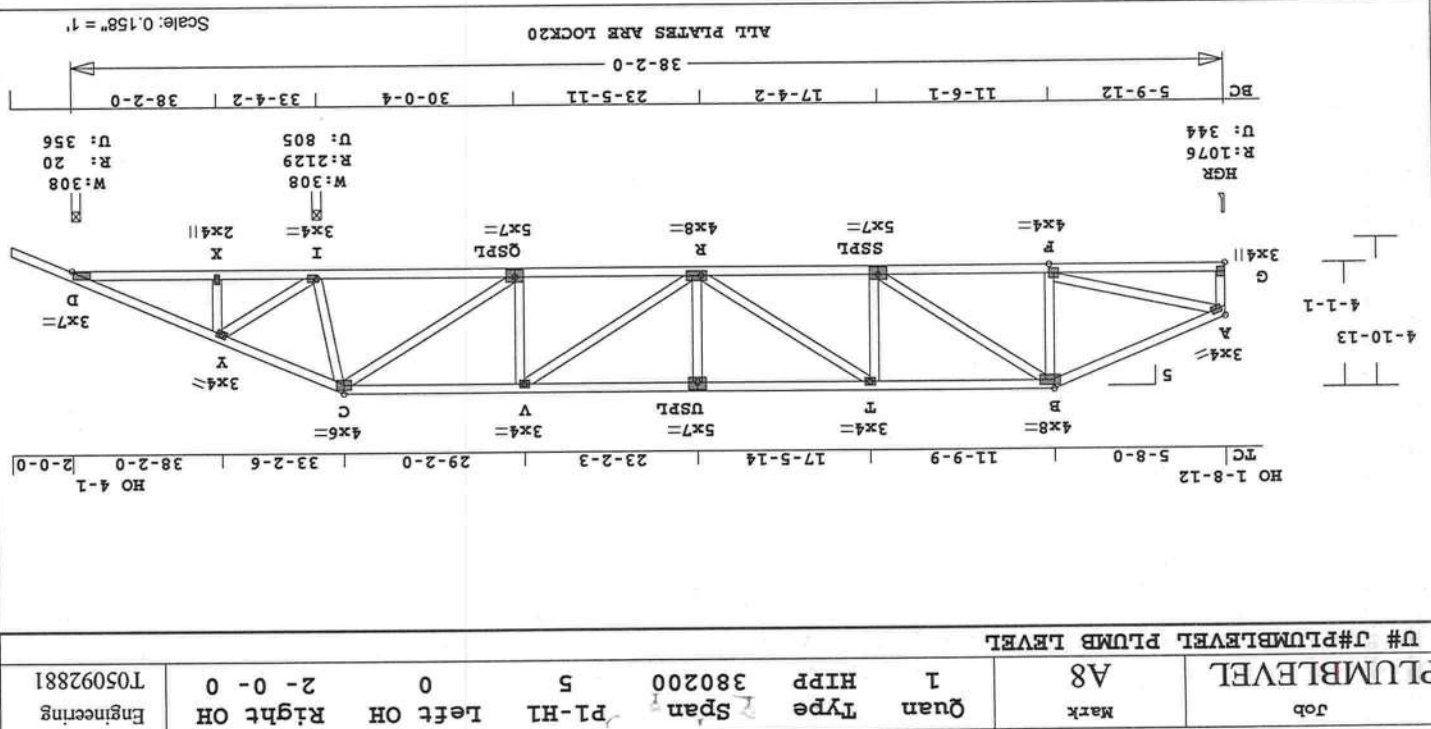
A	4110	3.00	X	4.00	CTR	CTR
8	5150	4.00	X	8.00	CTR	CTR
3	5151	4.00	X	6.00	CTR	CTR
D	2001	3.00	X	7.00	CTR	CTR
G	4000	3.00	X	4.00	CTR	CTR
I	1050	3.00	X	4.00	CTR	CTR
O	1151	5.00	X	7.00	CTR	CTR
S	1070	4.00	X	8.00	CTR	CTR
S	1131	5.00	X	7.00	CTR	CTR
T	1050	3.00	X	4.00	CTR	CTR
V	1102	5.00	X	7.00	CTR	CTR
V	1030	3.00	X	4.00	CTR	CTR
X	1001	2.00	X	4.00	CTR	CTR
Y	1050	3.00	X	4.00	CTR	CTR

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

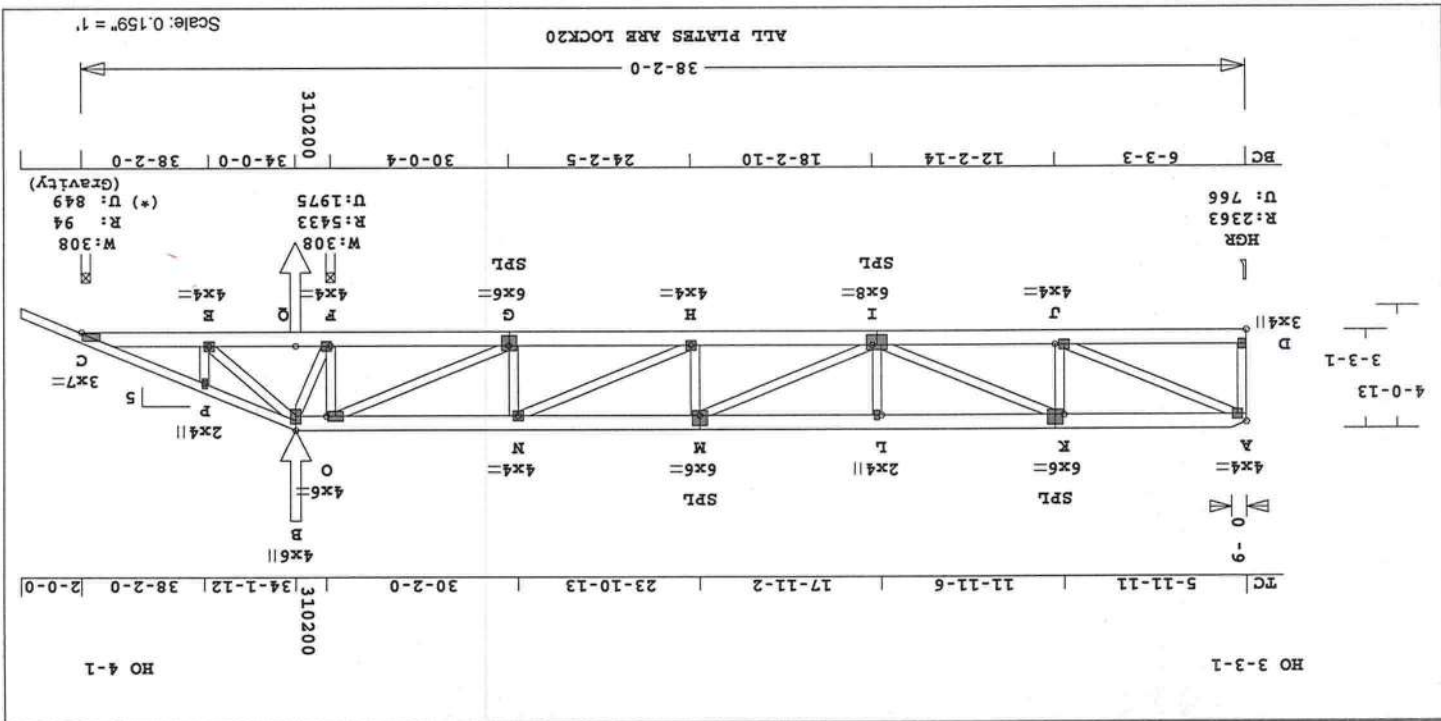
REFER TO ROBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

LATERAL BRACING:	
TOP CHORD - CONTINUOUS	
BTM CHORD - CONTINUOUS	
TRUSS SPACING - 24.0 IN.	
STANDARD LOADING	
LUMBER STRESS INCREASE: 25.0%	
PLATE STRESS INCREASE: 25.0%	
LOADING	
LIVE	20.0
DEAD (PSF)	10.0
TOP CHD	20.0
BTM CHD	0.0
TOTAL	20.0
SUPPORT CRITERIA	
JT REACT WIDTH	
LBS IN-SX	1076
LBS IN-SX	3-8
RIGHT	
LEFT	
HEEL	
MEMBER	
CSI P (LBS) M@1ST M@2ND	
TOP CHORDS	
A-B	0.43
1372 C	7
-811	
B-T	0.41
1884 C	2445
-1765	
T-U	0.34
1754 C	1765
-2060	
U-V	0.34
1754 C	2060
-1583	
V-C	0.47
892 C	1583
-3002	
C-Y	0.57
1215 T	-1543
-2342	
X-D	0.51
762 T	2342
506	
BOTTOM CHORDS	
G-F	0.12
133 T	1
-397	
F-S	0.35
1270 T	786
-513	
S-R	0.43
1883 T	513
-552	
R-Q	0.27
891 T	552
-663	
Q-I	0.15
740 C	663
-981	
I-X	0.16
685 C	981
-648	
X-D	0.14
685 C	648
803	
G-A	=
1031 C	A-F
1316 T	=



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	A9	1*2P	HIP	380200	5	0	2-0-0	T05092881

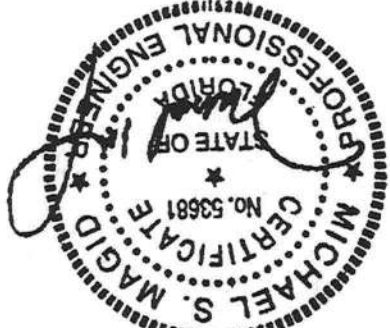


Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 314.0 LBS

NOTES:
 1. TRUSSES MANUFACTURED BY -
 Mayo Truss Co. Inc.
 2. EMPIRICAL ANALOG IS USED.
 3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 ALL BEARING LOCATIONS.
 4. PREVENT TRUSS ROTATION AT
 ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 190 LBS.
 5. FASTEN TRUSS TO BRG D
 FOR 766 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG F
 FOR 1975 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 7. FASTEN TRUSS TO BRG C
 FOR 849 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 8. (*)

8. (*)
 7. FASTEN TRUSS TO BRG F
 FOR 1975 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG D
 FOR 766 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 5. ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 190 LBS.
 4. PREVENT TRUSS ROTATION AT
 ALL BEARING LOCATIONS.
 3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 ALL BEARING LOCATIONS.
 4. PREVENT TRUSS ROTATION AT
 ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 190 LBS.
 5. FASTEN TRUSS TO BRG D
 FOR 766 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG F
 FOR 1975 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 7. FASTEN TRUSS TO BRG C
 FOR 849 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 8. (*)

Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682



Date Scaled: 9/29/2005

Online Plus -- Version 18.0.011
 RUN DATE: 9-29-05

 * 2-PLY TRUSS *

 CSI SIZE LUMBER
 TOP 0.54 2X 6 SP-#2 1250
 BTM 0.41 2X 6 SP-#2 1250
 WBS 0.70 2X 4 SP-#2 1500
 EXCEPTIONS:
 B-P 2X 4 SP-#2 1500
 P-C SAME AS B-P

STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.
 LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 EXCEPTS:
 D-0 0.0 22.5
 A-B 45.0 22.5
 CONCENTRATED LOADS (LBS)
 B 130 (LIVE)
 B 130 (DEAD)
 C 195 (LIVE)
 C 195 (DEAD)
 SUPPORT CRITERIA
 JT TYPE HORZ VERT WIDTH
 D PIN -1 2363 3-8
 F HORZ RLR 0 5433 3-8
 C HORZ RLR 0 -849 3-8
 HEEL
 RIGHT
 LEFT
 MEMBER FORCES - EACH PLY
 MEMBER CSI P(LBS) MOIST W2ND

A-K 0.23 1972 C 8 -2350
 K-L 0.23 2745 C 2350 -1703
 L-M 0.21 2745 C 1703 -2000
 M-N 0.19 2392 C 2000 -1818
 N-O 0.31 853 C 1818 -3634
 O-B 0.54 1770 T 3634 -282
 B-P 0.35 1362 T 282 -596
 P-C 0.36 1383 T 596 -48
 BOTTOM CHORDS
 D-J 0.08 76 T 1 -524
 J-I 0.34 1972 T 407 -104

JT TYPE PLATE SIZE X
 A 4593 4.00 X 4.00 2.0
 B 5108 4.00 X 6.00 12.3
 C 2001 3.00 X 7.00 5.2
 D 4000 3.00 X 4.00 CTR
 E 1030 4.00 X 4.00 CTR
 F 1050 4.00 X 4.00 CTR
 G 1151 6.00 X 6.00 CTR
 H 1050 4.00 X 4.00 CTR
 I 1170 6.00 X 8.00 CTR
 J 1030 4.00 X 4.00 CTR
 K 1151 6.00 X 6.00 CTR
 L 1001 2.00 X 4.00 CTR
 M 1131 6.00 X 6.00 CTR
 N 1030 4.00 X 4.00 CTR
 O 1030 4.00 X 6.00 CTR
 P 1001 2.00 X 4.00 CTR

DL+LT DEFL = 0.28" IN I-M
 LT DEFL = 0.14" < BRG-SPAN/240
 SPAN/DEFL (DL+LT) = 999
 PLATES ARE FOR EACH PLY
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR

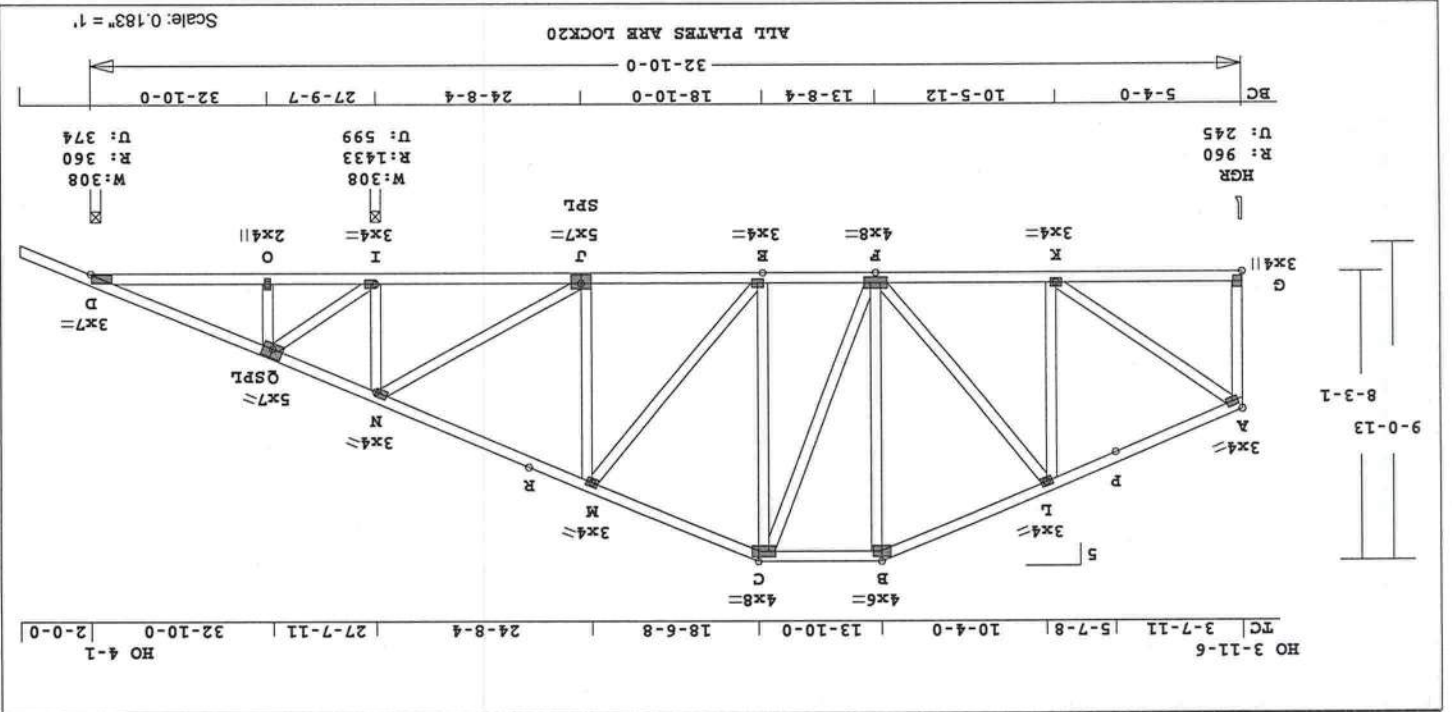
REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering	T05092881
PLUMB LEVEL	A9	1*2P	HIPP	380200	5	0	2 - 0 - 0		
U# J# PLUMB LEVEL PLUMB LEVEL									

9. 2 COMPLETE TRUSSES REQUIRED.
 FASTEN TRUSSES TOGETHER W/
 10d NAILS AS EACH LAYER IS
 APPLIED, STAGGERED AS FOLLOWS
 MEMBER ROWS SPACING (IN)
 TOP CHD 2 12.0
 BTM CHD 2 12.0
 WEBS 1 4.0
 PLUS CLUSTERS OF NAILS IF
 SHOWN.

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	A10	1	HIP	321000	5	0	2 - 0 - 0	T05092881
U#J#PLUMBLEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 273.5 LBS

NOTES:

1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98
4. ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 252 LBS.
5. FASTEN TRUSS TO BRG G FOR 245 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
6. FASTEN TRUSS TO BRG I FOR 599 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
7. FASTEN TRUSS TO BRG D FOR 374 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

WEBS
G-A = 915 C A-K = 854 T
K-L = 369 C L-F = 113 T
F-B = 70 T F-C = 81 C
E-C = 62 T E-M = 104 T
J-M = 381 C J-N = 996 T
I-N = 1135 C I-Q = 410 T
O-Q = 197 C

DL+LL DEFL = 0.08" IN R-N
LL DEFL = 0.04" < BRG-SPAN/240
SPAN/DEFL (DL+LL) = 999

PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339-465 PLI PER PAIR
SHEAR 784-506 PLI PER PAIR

Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

CSI
SIZE LUMBER 1.15PB
TOP 0.33 2X 4 SP-#2 1720
BTM 0.23 2X 4 SP-#2 1720
WBS 0.25 2X 4 SP-#2 1720
REPERITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.

STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
SUPPORT CRITERIA
TOTAL 20.0 40.0
JT REACT WIDTH
LBS IN-SX
G 960 3-8 I 1433 3-8
D 360 3-8

HEEL
LEFT
RIGHT
OIN - 4SX

MEMBER CSI P(LBS) @1ST @2ND
TOP CHORDS
A-P 0.27 768 C 911
P-L 0.33 707 C -911
L-B 0.33 773 C 2138
B-C 0.10 704 C 597
C-M 0.33 770 C -2088
M-R 0.32 692 C 2088
R-N 0.25 761 C -620
N-Q 0.29 198 T 1617
Q-D 0.18 249 T -858
BOTTOM CHORDS
G-K 0.10 247 T 1
K-F 0.23 701 T 654
F-E 0.17 272 T -288
E-J 0.22 687 T 288
J-I 0.10 195 T 392
I-O 0.12 143 C 170
O-D 0.16 143 C -1023

JT TYPE PLATE SIZE X X
A 4110 3.00 X 4.00 CTR CTR
B 5101 4.00 X 6.00 CTR CTR
C 5150 4.00 X 8.00 CTR CTR
D 2001 3.00 X 7.00 CTR CTR
E 1050 3.00 X 4.00 CTR CTR
F 1070 4.00 X 8.00 CTR CTR
G 4000 3.00 X 4.00 CTR CTR
I 1050 3.00 X 4.00 CTR CTR
J 1151 5.00 X 7.00 CTR CTR
K 1030 3.00 X 4.00 CTR CTR
L 1050 3.00 X 4.00 CTR CTR
M 1050 3.00 X 4.00 CTR CTR
N 1050 3.00 X 4.00 CTR CTR
O 1001 2.00 X 4.00 CTR CTR
P 1001 2.00 X 4.00 CTR CTR
Q 1151 5.00 X 7.00 CTR CTR
R 1151 5.00 X 7.00 CTR CTR

REVIEWED BY:
Robbins Engineering, Inc.

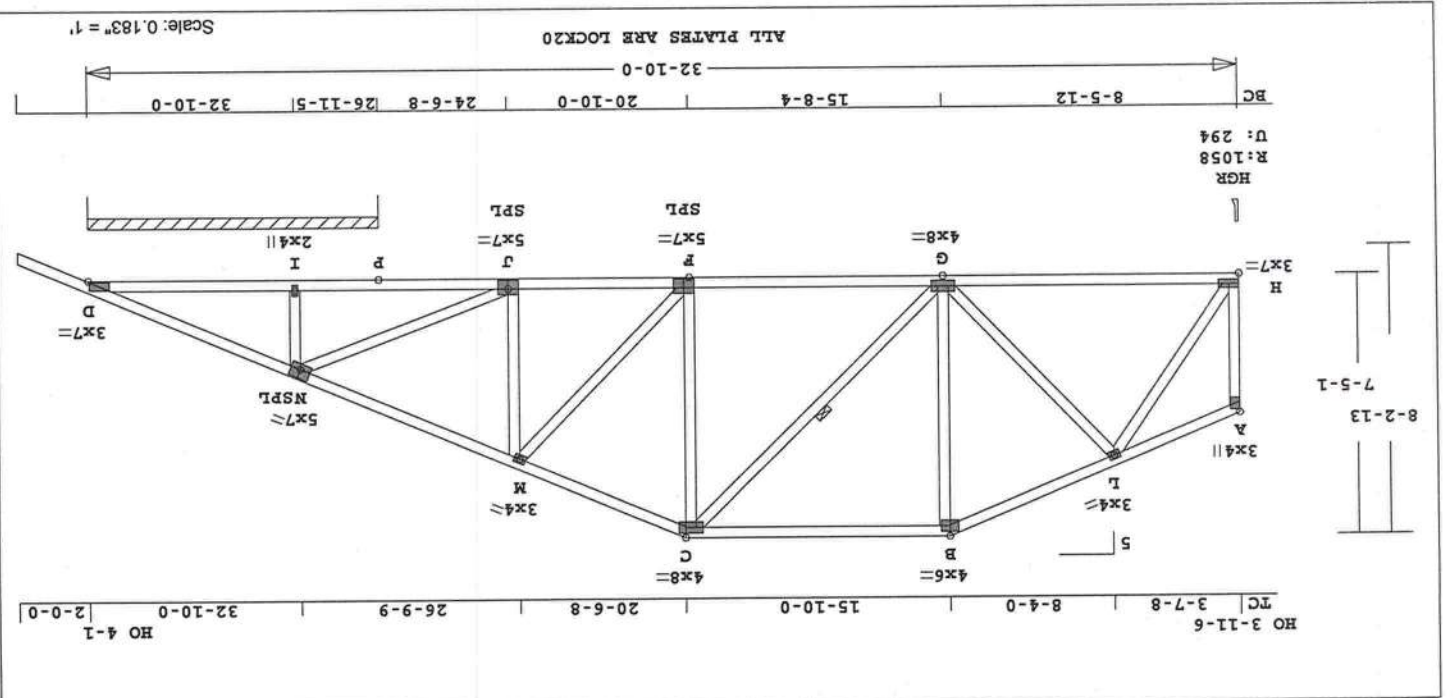
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	A11	1	HIPP	321000	5	0	2-0-0	T05092881



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 245.4 LBS

Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

CSI
SIZE LUMBER 1.15FB
TOP 0.52 2X 4 SP-#2 1720
BTM 0.43 2X 4 SP-#2 1720
WBS 0.72 2X 4 SP-#2 1720
REPEITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
ONE BRACE - G-C
TRUSS SPACING - 24.0 IN.

STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)

TOP CHD 20.0
BTM CHD 10.0
TOTAL 20.0
SUPPORT CRITERIA
JT REACT WIDTH 40.0
LBS IN-SX
H 1058 3-8
CONTINUOUS BETWEEN UNITS P & D

HEEL
MEMBR CSI P(LBS) @1ST @2ND
TOP CHORDS

REVIEWED BY: Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682





Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682

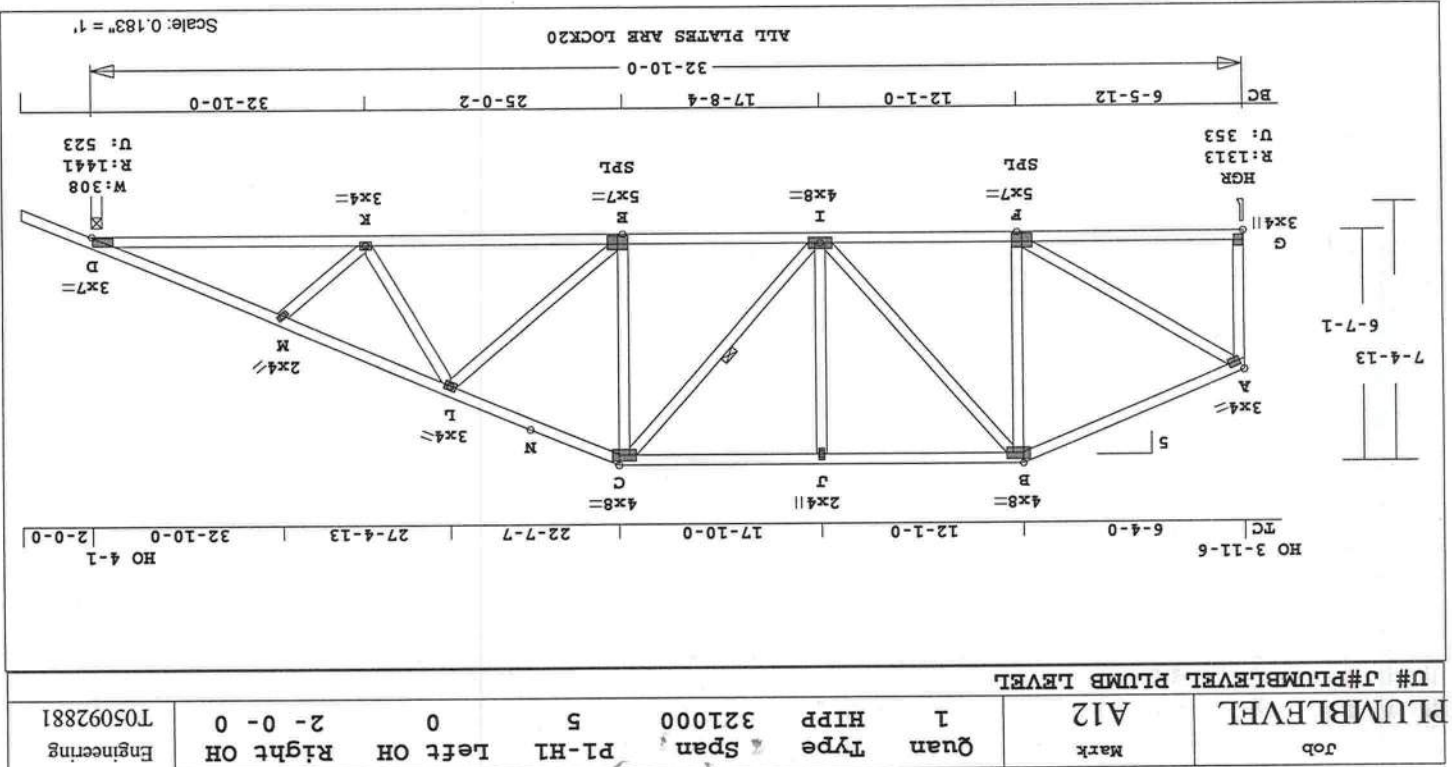
REVISED BY: Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 1. TRUSSES MANUFACTURED BY -
 Mayo Truss Co., Inc.
 2. EMPIRICAL ANALOG IS USED.

G-A = 1262 C A-F = 1246 T
 WEBS
 K-D 0.60 2525 T 870 -649
 E-X 0.52 2124 T 863 -870
 I-E 0.45 1700 T 426 -863
 F-I 0.34 1068 T 942 -426
 G-F 0.14 210 T 1 -457
 BOTTOM CHORDS
 M-D 0.32 2736 C 1082 -1036
 L-M 0.25 2510 C 1298 -1082
 N-L 0.23 1872 C -762 -1298
 C-N 0.20 1818 C 1148 762
 J-C 0.30 1593 C 1819 -1116
 B-J 0.43 1593 C 2598 -1819
 A-B 0.52 1152 C 7 -1177
 TOP CHORDS

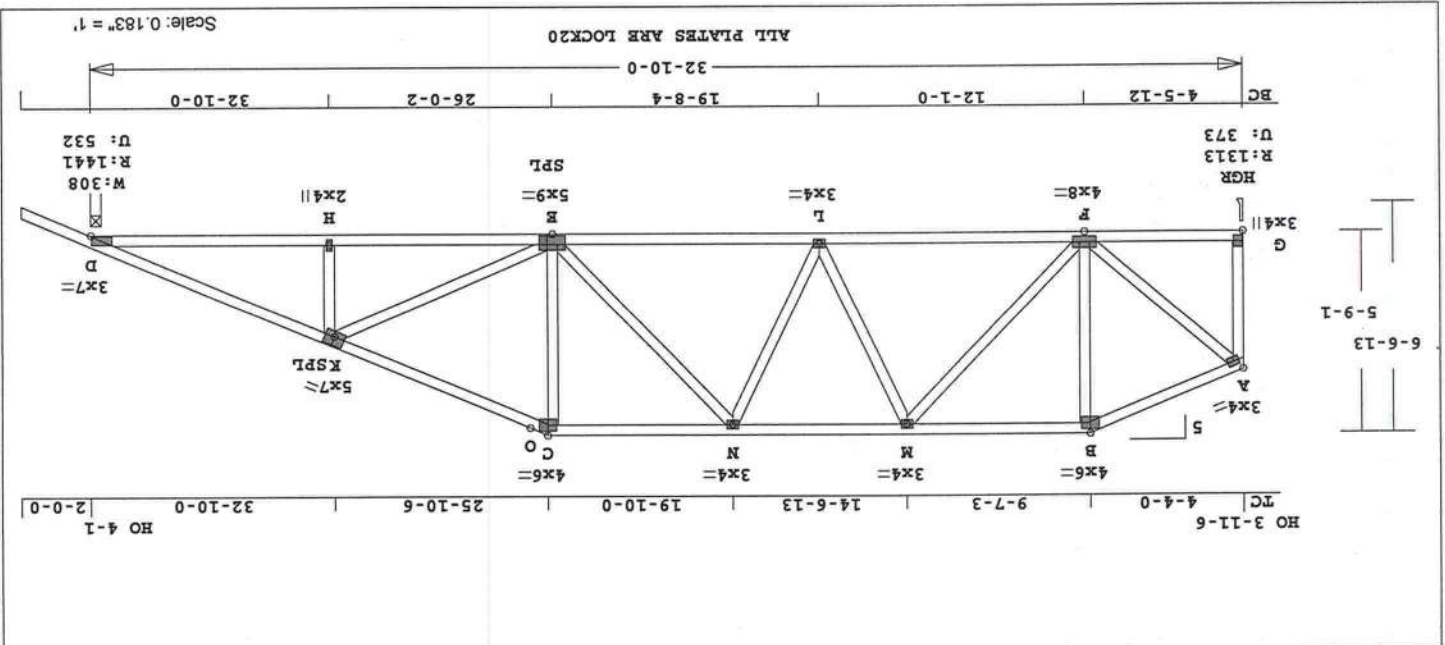
MEMBER CSI P (LBS) M@ST M@2ND
 HREL
 LEFT
 G 1313 3-8 D 1441 3-8
 LBS IN-SX
 JT REACT WIDTH JT REACT WIDTH
 SUPPORT CRITERIA
 TOTAL 20.0 20.0 40.0
 BTM CHD 0.0 10.0
 TOP CHD 20.0 10.0
 LOADING LIVE DEAD (PSF)
 PLATE STRESS INCREASE: 25.0%
 LUMBER STRESS INCREASE: 25.0%
 STANDARD LOADING
 TRUSS SPACING - 24.0 IN.
 ONE BRACE - I-C
 BTM CHORD - CONTINUOUS
 TOP CHORD - CONTINUOUS
 LATERAL BRACING:
 FB 15.0% FT 0.0% FC 0.0%
 REPEITIVE MEMBER INCREASES:
 WBS 0.39 2X 4 SP-#2 1720
 BTM 0.60 2X 4 SP-#2 1720
 TOP 0.52 2X 4 SP-#2 1720
 CSI SIZE LUMBER 1.15PB
 RUN DATE: 9-29-05
 Online Plus -- Version 18.0.011

DL+LL DEFL = 0.26" IN J-C
 LT DEFL = 0.12" > BRG-SPAN/240
 SPAN/DEFL (DL+LL) = 999
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR
 JT TYPE PLATE SIZE X Y
 A 4110 3.00 X 4.00 CTR CTR
 B 5150 4.00 X 8.00 CTR CTR
 C 5150 4.00 X 8.00 CTR CTR
 D 2001 3.00 X 7.00 CTR CTR
 E 1151 5.00 X 7.00 CTR CTR
 F 1131 5.00 X 7.00 CTR CTR
 G 4000 3.00 X 4.00 CTR CTR
 I 1070 4.00 X 8.00 CTR CTR
 J 1001 2.00 X 4.00 CTR CTR
 K 1010 3.00 X 4.00 CTR CTR
 L 1010 3.00 X 4.00 CTR CTR
 M 1001 2.00 X 4.00 CTR CTR

- WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION
- WIND SPEED - 110 MPH
- MEAN ROOF HEIGHT - 15'
- EXPOSURE CATEGORY - B
- OCCUPANCY FACTOR - 1.00
- TC DEAD LOAD = 5.0 PSF
- BC DEAD LOAD = 5.0 PSF
- ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 256 LBS.
- FOR 353 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
- FASTEN TRUSS TO BRG D
- FOR 523 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	A13	1	HIPP	321000	5	0	2 - 0 - 0	T05092881
U# J#PLUMB LEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 233.7 LBS

3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 4. ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 258 LBS.
 5. FASTEN TRUSS TO BRG G
 FOR 373 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG D
 FOR 532 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.

STANDARD LADING
 LUMBER STRESS INCREASE: 25.0%
 LUMBER STRESS INCREASE: 25.0%
 LADING LIVE DEAD (PSF)
 TOP CHD 20.0 10.0
 BTM CHD 0.0 10.0
 TOTAL 20.0 20.0
 SUPPORT CRITERIA
 JT REACT WIDTH JT REACT WIDTH
 LBS IN-SX LBS IN-SX
 G 1313 3-8 D 1441 3-8
 LEFT RIGHT
 OIN - 4SX
 MEMBER CSI P (LBS) @1ST @2ND

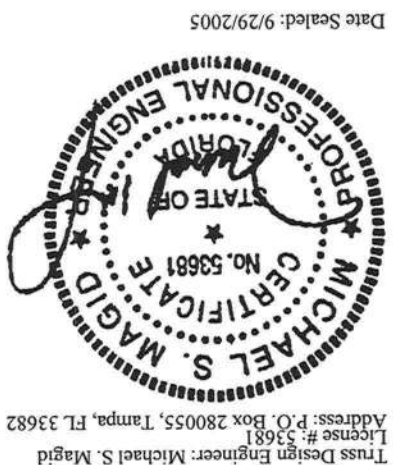
REVIEWED BY:
 Robbings Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

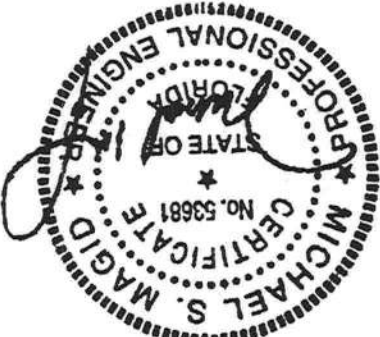
NOTES:
 1. TRUSSES MANUFACTURED BY -
 Mayo Truss Co. Inc.
 2. EMPIRICAL ANALOG IS USED.

Robbins Engineering, Inc./Online Plus™ © 1996-2005 Version 18.0.01 Engineering - Portrait 9/29/2005 2:20:39 PM Page 1

A-B	0.19	969 C	7	-926	
B-M	0.25	901 C	1053	-1600	
M-N	0.27	1809 C	1600	-1417	
N-C	0.26	1893 C	1417	-1490	
C-O	0.22	1992 C	1204	-436	
O-K	0.42	2062 C	436	-2426	
K-D	0.44	2688 C	2426	-1424	
BOTTOM CHORDS					
G-F	0.13	194 T	1	-472	
F-L	0.49	1615 T	879	-1231	
L-E	0.54	1928 T	1231	-963	
E-H	0.61	2486 T	963	-515	
H-D	0.59	2486 T	515	-130	
MEMBERS					
G-A	=	1287 C	A-F	=	1204 T
F-B	=	77 T	F-M	=	1030 C
M-L	=	467 T	L-N	=	290 C
NOTES:					
1. TRUSSES MANUFACTURED BY -					
Mayo Truss Co. Inc.					
2. EMPIRICAL ANALOG IS USED.					
REFER TO ROBBINS ENG. GENERAL					
NOTES AND SYMBOLS SHEET FOR					
ADDITIONAL SPECIFICATIONS.					
Tampa, FL 33682					
PO Box 280055					
Robbins Engineering, Inc.					
REVIEWED BY:					



Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682
 Date Scaled: 9/29/2005



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

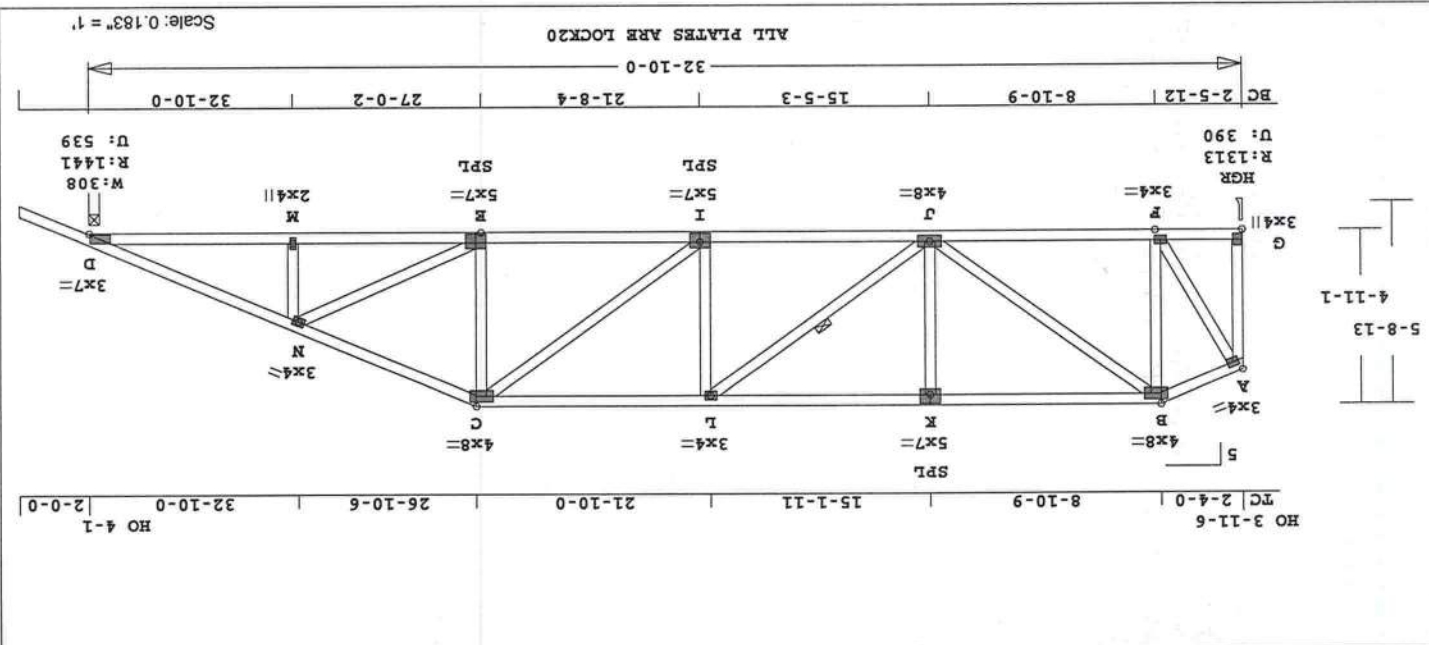
3. WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING. TC DEAD LOAD = 5.0 PSF BC DEAD LOAD = 5.0 PSF 4. ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 260 LBS. 5. FASTEN TRUSS TO BRG G FOR 390 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG. 6. FASTEN TRUSS TO BRG D FOR 539 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

REVISED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

MEMBER	CSI	P (LBS)	MEMBER	CSI	P (LBS)
A-B	0.13	635 C	N	1050	3.00 X 4.00
B-K	0.40	1853 C	M	1001	2.00 X 4.00
K-L	0.42	1853 C	L	1030	3.00 X 4.00
L-C	0.44	2334 C	K	1102	5.00 X 7.00
C-N	0.27	2248 C	J	1070	4.00 X 8.00
N-D	0.30	2739 C	I	1151	5.00 X 7.00
D	20.0	20.0	G	4000	3.00 X 4.00
BTM CHD	0.0	10.0	F	1030	3.00 X 4.00
TOP CHD	20.0	10.0	E	1151	5.00 X 7.00
LOADING LIVE DEAD (PSF)	20.0	10.0	D	2001	3.00 X 7.00
PLATE STRESS INCREASE: 25.0%			C	5150	4.00 X 8.00
LUMBER STRESS INCREASE: 25.0%			B	5150	4.00 X 8.00
STANDARD LOADING			A	4110	3.00 X 4.00
TRUSS SPACING - 24.0 IN.			JT TYPE	PLATE	SIZE
ONE BRACE - J-L			X		
TOP CHORD - CONTINUOUS			Y		
BTM CHORD - CONTINUOUS					
PLATING CONFORMS TO TPI.					
REPORT: NER 691					
ROBBINS ENGINEERING, INC.					
BASED ON SP LUMBER					
USING GROSS AREA TEST.					
PLATES - 20 GAUGE LOCK					
GRIPPING 632-312 PSI PER PAIR					
INCLUDES 25.0% INCREASE					
TENSION 1339-465 PLI PER PAIR					
SHEAR 784-506 PLI PER PAIR					

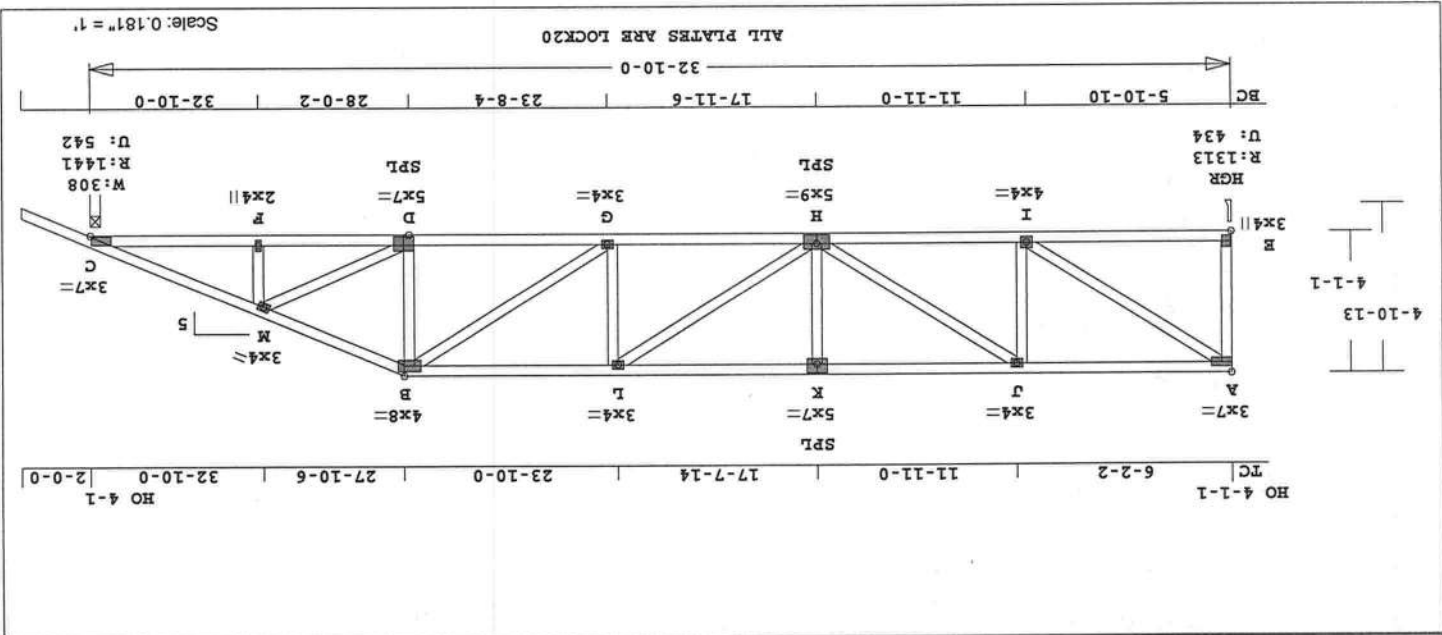
A-B	0.13	635 C	7	722
B-K	0.40	1853 C	2247	-2371
K-L	0.42	1853 C	2371	-2505
L-C	0.44	2334 C	2505	-1853
C-N	0.27	2248 C	968	-1418
N-D	0.30	2739 C	1418	-1280
BTM CHD	0.0	10.0		
TOP CHD	20.0	10.0		
LOADING LIVE DEAD (PSF)	20.0	10.0		
PLATE STRESS INCREASE: 25.0%				
LUMBER STRESS INCREASE: 25.0%				
STANDARD LOADING				
TRUSS SPACING - 24.0 IN.				
ONE BRACE - J-L				
TOP CHORD - CONTINUOUS				
BTM CHORD - CONTINUOUS				
PLATING CONFORMS TO TPI.				
REPORT: NER 691				
ROBBINS ENGINEERING, INC.				
BASED ON SP LUMBER				
USING GROSS AREA TEST.				
PLATES - 20 GAUGE LOCK				
GRIPPING 632-312 PSI PER PAIR				
INCLUDES 25.0% INCREASE				
TENSION 1339-465 PLI PER PAIR				
SHEAR 784-506 PLI PER PAIR				

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 234.7 LBS
J-K = 386 C J-L = 595 C
I-L = 168 T I-C = 316 T
E-C = 346 T E-N = 506 C
M-N = 88 T



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	A14	1	HIP	321000	5	0	2-0-0	T05092881

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMB LEVEL	A15	1	WHIP	321000	5	0	2 - 0 - 0	T05092881



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 224.5 LBS

G-L = 231 C G-B = 682 T D-M = 360 C

D-B = 283 T F-M = 51 T

Online Plus -- Version 18.0.011 F-M = 51 T

RUN DATE: 9-29-05

CSI SIZE LUMBER 1.15FB

TOP 0.45 2X 4 SP-#2 1720

BTM 0.60 2X 4 SP-#2 1720

WBS 0.57 2X 4 SP-#2 1720

REPTITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

UT REACT WIDTH 1441 3-8

UT REACT WIDTH 1441 3-8

LEFT RIGHT

HEEL

MEMBR CSI P (LBS) @1ST @2ND

TOP CHORDS

A-J 0.41 1724 C 7 -2501

J-K 0.45 2625 C 2501 -1770

K-L 0.37 2625 C 1770 -1982

L-B 0.38 2824 C 1982 -1907

B-M 0.27 2430 C 250 -689

M-C 0.29 2779 C 689 -1116

BOTTOM CHORDS

E-I 0.11 194 T 1 -472

I-H 0.43 1724 T 751 -483

H-G 0.60 2824 T 483 -540

G-D 0.51 2239 T 540 -662

D-F 0.57 2562 T 662 -380

F-C 0.58 2562 T -380 -693

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

1. TRUSSES MANUFACTURED BY -

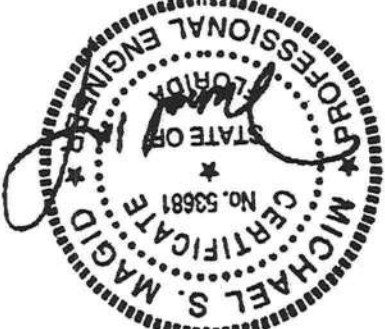
Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

E-A = 1263 C A-I = 2052 T

I-J = 981 C J-H = 1073 T

H-K = 340 C H-L = 237 C



Truss Design Engineer: Michael S. Magid

License #: 53681

Address: P.O. Box 280055, Tampa, FL 33682

3. WIND LOADS - ANSI/ASCE 7-98

TRUSS IS DESIGNED AS A

MAIN WIND-FORCE RES SYSTEM

FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH

MEAN ROOF HEIGHT - 15'

EXPOSURE CATEGORY - B

OCCUPANCY FACTOR - 1.00

TC DEAD LOAD = 5.0 PSF

BC DEAD LOAD = 5.0 PSF

ANCHOR TRUSS FOR A TOTAL

HORIZONTAL LOAD OF 249 LBS.

5. FASTEN TRUSS TO BRG E

FOR 434 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

6. FASTEN TRUSS TO BRG C

FOR 542 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

MOVEMENT OF WALL OR BRG.



Truss Design Engineer: Michael S. Magid
License #: 33681
Address: P.O. Box 280055, Tampa, FL 33682

1. WT: 262.6 LBS
 2. TRUSS LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-MORSE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 4. PREVENT TRUSS ROTATION AT
 ANCHOR TRUSS FOR A TOTAL
 5. HORIZONTAL LOAD OF 190 LBS.
 6. FASTEN TRUSS TO BRG B
 FOR 921 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 7. FASTEN TRUSS TO BRG C
 FOR 966 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 8. GIDER CONDITION:
 WALT HIP GIDER WITH
 KING-JACKS.
 OPEN FACE COMMON JACKS.
 GIDER SETBACK 7.00 ft.
 9. 2 COMPLETE TRUSSES REQUIRED.
 FASTEN TRUSSES TOGETHER W/
 104 NAILS AS EACH LAYER IS
 APPLIED, STAGGERED AS FOLLOWS
 MEMBER ROWS SPACING(IN)
 TOP CHD 2 12.0
 BTM CHD 2 12.0
 1
 4.0
 PLUS CLUSTERS OF NAILS IF
 SHOWN.

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

TYPE	PLATE	SIZE	X	Y
4010	X	6.00	CTR	CTR
5150	X	9.00	X	2.7
2001	X	7.00	X	5.2
1151	6.00	X	4.0	4.0
1050	4.00	X	CTR	CTR
1170	6.00	X	CTR	4.0
1030	4.00	X	CTR	4.00
1050	4.00	X	CTR	CTR
1030	6.00	X	CTR	CTR
1032	4.00	X	CTR	4.0
1011	2.00	X	4.00	CTR

PLATES ARE FOR EACH PLY
DL+TL DEFL = 0.47" IN U-K
TL DEFL = 0.24" < BRG-SPAN/240
SPAN/DEFL (DL+TL) = 830

BOTTOM CHORDS		WEBS		TOP CHORDS	
N-R	0.04	76	0	172	786
H-O	0.10	76	-172	29	-786
G-H	0.48	2822		28	
F-E	0.69	4346		91	
D-C	0.52	3080		931	
	0.49	3029			
E-A	1363	C-A-H		3080	
I-I	1083	I-G		1516	
J-J	412	C-F-B		149	
K-K	393	C-G-X		1367	
B-B	363	T-D-L		80	

Robbins Engineering, Inc./Online PlusSM APPROX.

MEMBER FORCES - EACH PLY	MEMBER CSI P(LBS) MOIST	TOP CHORDS
A-M	0.21	2821 C
M-I	0.30	2821 C
I-J	0.29	4209 C
J-K	0.29	4209 C
K-B	0.34	4345 C
		2159 C
		1410

HEEL LEFT RIGHT 01N - 4SX

A-M	0.0
M-B	90.0
N-D	0.0
D	280
(LIVE)	
D	279
SUPPORT CRITERIA	
JT	TYPE
HORZ	LBS
IN-SX	LBS
VERT WIDTH	LBS
E	PIN
C	HORZ RLR
8	0
3-8	-1
3-8	2822
8	2890

LUMBER STRESS INCREASE: 25.0%		LUMBER STRESS INCREASE: 25.0%	
PLATE STRESS INCREASE: 25.0%		PLATE STRESS INCREASE: 25.0%	
UNF. LOG.		UNF. LOG.	
20.0		20.0	
LIVE		LIVE	
20.0		20.0	
BTM CHD		BTM CHD	
0.0		0.0	
TOTAL		TOTAL	
20.0		20.0	
LUMBER STRESS INCREASE: 25.0%		LUMBER STRESS INCREASE: 25.0%	
PLATE STRESS INCREASE: 25.0%		PLATE STRESS INCREASE: 25.0%	
GIRDER LOADING		GIRDER LOADING	
LUMBER STRESS INCREASE: 25.0%		LUMBER STRESS INCREASE: 25.0%	
PLATE STRESS INCREASE: 25.0%		PLATE STRESS INCREASE: 25.0%	
GRD. LDB.		GRD. LDB.	
20.0		20.0	
TOP CHD		TOP CHD	
40.0		40.0	
BTM CHD		BTM CHD	
0.0		0.0	
TOTAL		TOTAL	
40.0		40.0	

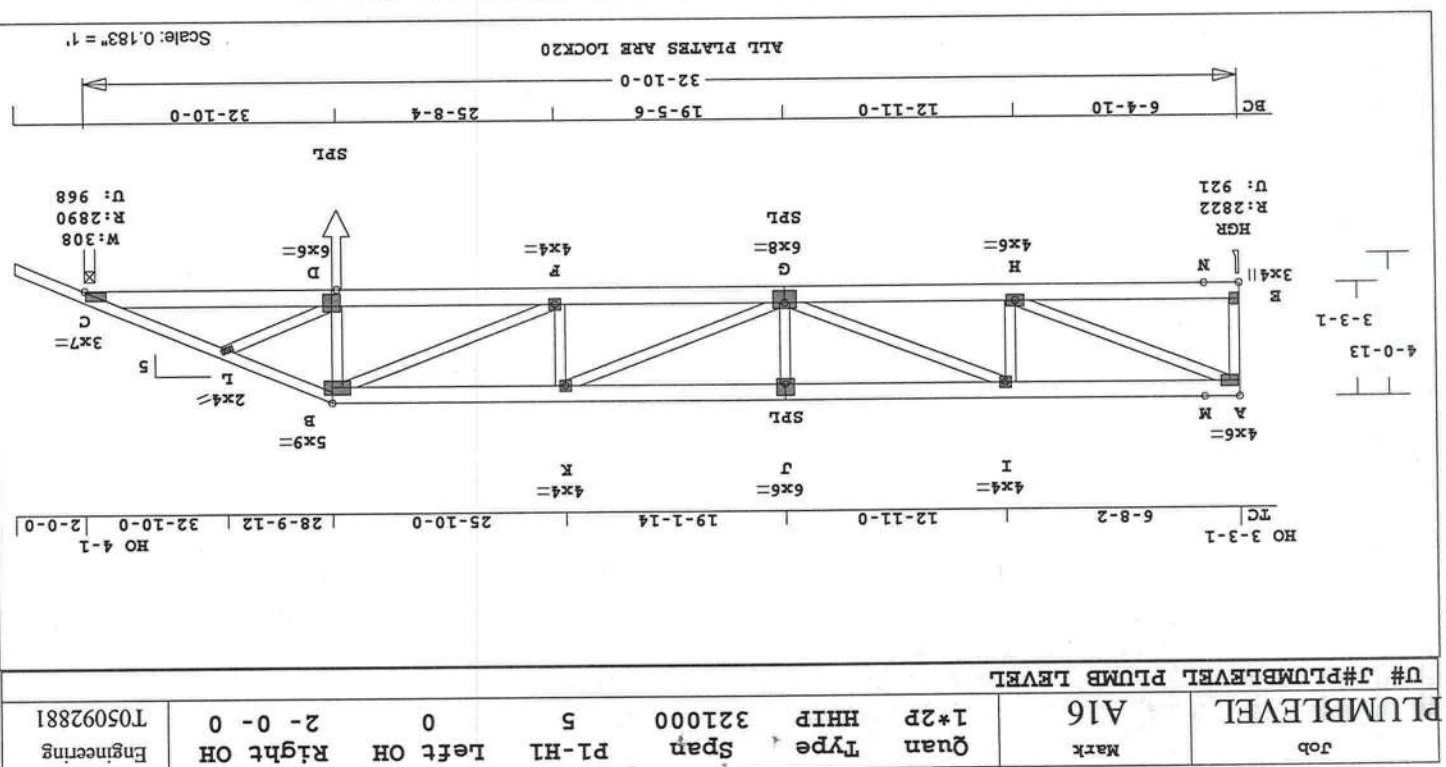
LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.
UNIFORM LOADING

	CS1	SIZE LUMBER	F8
TOP	0.35	SP #2	6 SP
BTM	0.69	SP #2	6 SP
MBS	0.84	SP #2	4 SP
EXCEPTIONS:			
B-L	2X 4	SP #2	4 SP
I-C SAME AS B-L			
1500			

```

*****
* 2-PLY TRUSS
*****
Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

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Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

1. TRUSS IS DESIGNED AS A
MAIN WIND-RESISTANT SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
2. DEAD LOAD =
5.0 PSF
3. LIVE-LOADS SHOWN WITHOUT
DAMAGE TO TRUSS.
4. PREVENT TRUSS ROTATION AT
ALL BRACING LOCATIONS.
5. ANCHOR TRUSS FOR A TOTAL
HORIZONTAL LOAD OF 130 LBS.
6. FASTEN TRUSS TO BRG A
FOR 1533 LBS OF UPLIFT,
7. WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
8. FASTEN TRUSS TO BRG C
FOR 1219 LBS OF UPLIFT,
9. WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.
10. 3 COMPLETE TRUSSES REQUIRED.
11. FASTEN TRUSSES TOGETHER W/
16d NAILS AS EACH LAYER IS
APPLIED, STAGGERED AS FOLLOWS
MEMBER SPACING (IN)
TOP CHD 1 12.0
BTM CHD 3 10.5
WEBS 1 4.0
12. PLTS CLUSTERS OF NAILS IF
SHOWN.

R = PLATE IS ROTATED BY 90 DEG
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

-N = 669 T N-I = 932 C
 -J = 1092 T J-E = 1159 C
 -B = 2425 T B-H = 1200 C
 -H = 1124 T D-L = 32 T
 -L = 67 C
 -DL+DL DEF L = 0.28" IN I-E
 -SPAN/DEF L = 0.14" < BRG-SPAN/240
 PLATES ARE FOR EACH PLY
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 62-32 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PSI PER PAIR
 SHEAR 784-506 PSI PER PAIR
 Y X SIZE PLATE
 A 4.00 X 8.00 12.4 5.7
 B 3001R 4.00 X 4.00 2.2 2.0
 C 2001 4.00 X 6.00 11.4 5.5
 D 1505R 4.00 X 6.00 3.6 2.0
 E 1170 8.00 X 8.00 5.5
 H 1050 3.00 X 4.00 5.5
 I 1030 4.00 X 4.00 5.5
 J 1050 3.00 X 4.00 5.5
 K 1001 2.00 X 4.00 2.5
 L 1050 3.00 X 4.00 2.5
 M 1001 2.00 X 4.00 2.5
 N 1050 3.00 X 4.00 2.5
 O

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*****
* 3-PLY TRUSS *
*****
RUN DATE: 9-29-05
online plus -- Version 18.0.011
CS1 SIZE LUMBER 1.15FB
TOP 0.61 2X 8 SP-#2 1720
BTM 0.85 2X 8 SP-#2 1380
WBS 0.45 2X 4 SP-#2 1720
REPERITIVE MEMBER INCREASES:
PC 0.0% FT 0.0%
LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.
STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
TOTAL 20.0 20.0
EXCEPTIONS:
A-0 154.2 164.2
CONCENTRATED LOADS (LBS)
D 1500 (LIVE)
D 1500 (DEAD)
SUPPORT CRITERIA
JT TYPE HORIZ VERT WIDTH
LBS IN-SX
A PIN -2 7379 3 8
C HORIZ RLR 0 5368 3 8
HEEL 0IN - 4SX 0IN - 4SX
MEMBER FORCES - EACH PLY
MEMBER CSI P(LBS) M@1ST M@2ND
A-N 0.61 5113 C -2005 314
J-B 0.43 4268 C -155
U-J 0.32 3295 C -610
B-H 0.32 3295 C 308
L-C 0.33 4310 C 91
BOTTOM CHORDS
A-M 0.85 4743 T -5880 2239
M-I 0.72 4743 T -2239 534
I-E 0.58 9336 T -534 -2954
E-O 0.58 3968 T 2954 2367
O-D 0.58 3968 T -2967 2395
D-K 0.64 3987 T -2395 4190
K-C 0.64 3987 T -4190 3006

```

Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

Robbins

BC	4-3-2
----	-------

U:1533

W:308
R:7379

A diagram showing a T-junction. The vertical pipe has a cross-section labeled "2x4". The horizontal pipe is attached to the side of the vertical pipe.

A diagram showing a horizontal line representing a surface. A weight labeled 'W' is suspended from the line by a vertical string. A spring scale is attached to the line, with one end fixed to a wall and the other end connected to a weight hanging below the line.

$$4 \times 8 =$$

4-8-9

N
EXE

[illegible][illegible]

HO 4-1	TC	4-4-14
--------	----	--------

U# J#PLUMBLEVEL PLUMB LEV

LUMBLEVEL	B1
-----------	----

Job	Mark
-----	------



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

NOTES:
1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.
ADDITIONAL SPECIFICATIONS.
NOTES AND SYMBOLS SHEET FOR
REFER TO ROBBINS ENG. GENERAL
Tampa, FL 33682

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

A-G	0.26	1578	C	804	-1549
G-B	0.25	1087	C	1549	-826
B-H	0.25	1087	C	826	-1549
H-C	0.26	1578	C	1549	-804
BOTTOM CHORDS					
A-F	0.38	1460	T	-184	-442
F-E	0.34	1460	T	442	-406
E-D	0.34	1460	T	406	-442
D-C	0.38	1460	T	442	184

MEMBER CSI P (LBS) @1ST @2ND
HEEL 01N - 4SX 01N - 4SX

H	1050	3.00	X	4.00	CTR	CTR
G	1050	3.00	X	4.00	CTR	CTR
F	1001	1.00	X	3.00	CTR	CTR
E	1170	5.00	X	9.00	CTR	CTR
D	1001	1.00	X	3.00	CTR	CTR
C	2001	3.00	X	4.00	5.9	3.1
B	3001	4.00	X	4.00	2.0	2.2
A	2001	3.00	X	4.00	5.9	3.1
JT TYPE	PLATE	SIZE	X	X		

STANDARD LADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0
BTM CHD 0.0
TOTAL 20.0
SUPPORT CRITERIA
JT REACT WIDTH JT REACT WIDTH
LBS IN-SX 840 3-8 C 968 3-8
A 840 3-8 C 968 3-8
LEFT RIGHT
REVIEWED BY:
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A	840	3-8	C	968	3-8
LBS IN-SX					
JT REACT WIDTH					
TOP CHD	20.0				
BTM CHD	0.0				
TOTAL	20.0				
SUPPORT CRITERIA					
JT REACT WIDTH					
LBS IN-SX					
A	840	3-8	C	968	3-8

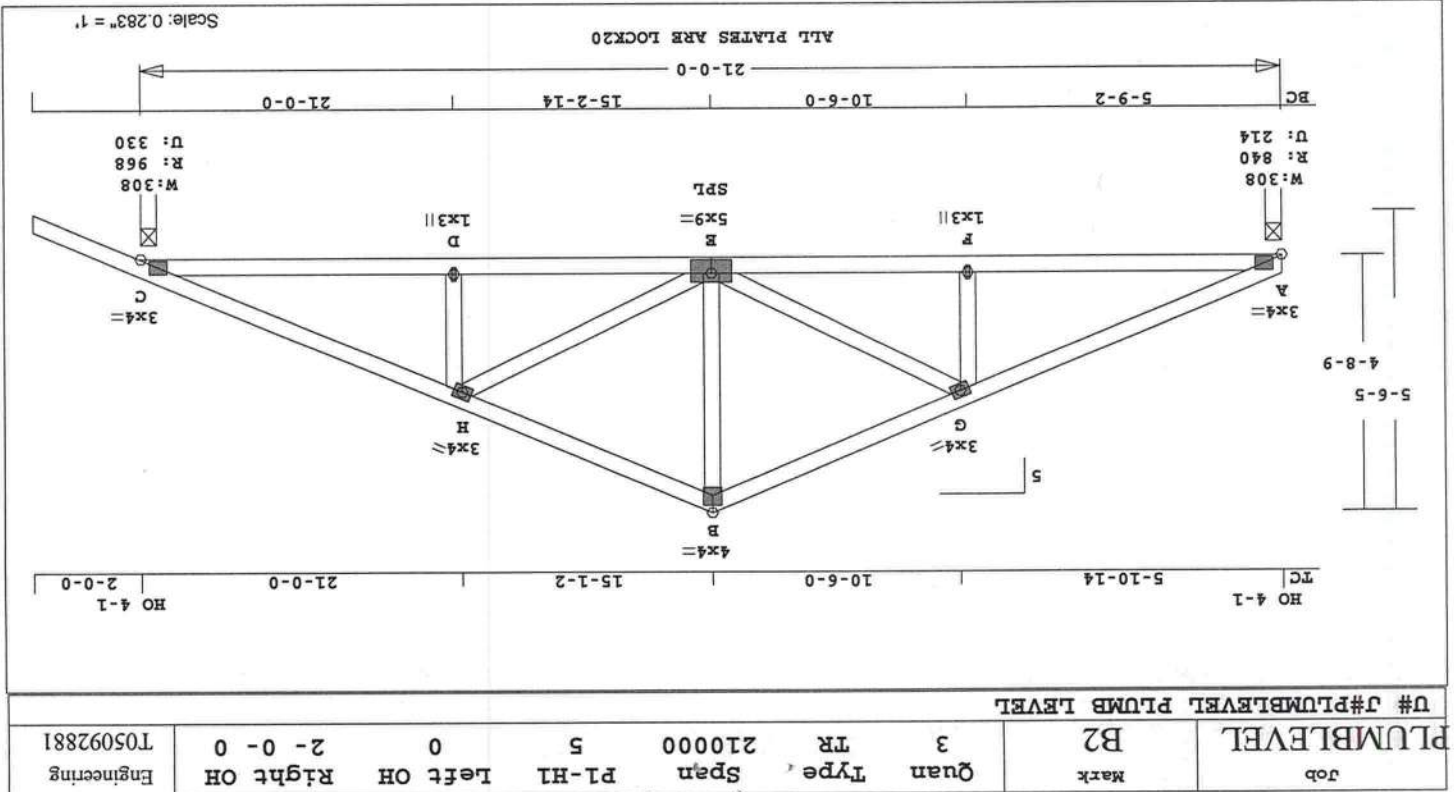
REPEITIVE MEMBER INCREASES:
WBS 0.25 2X 4 SP-#2 1720
BTM 0.38 2X 4 SP-#2 1720
TOP 0.26 2X 4 SP-#2 1720
CSI SIZE LUMBER 1.15FB
DL+LT DEFL = 0.12" IN G-B
LT DEFL = 0.05" < BRG-SPAN/240
SPAN/DEFL (DL+LT) = 999
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339-465 PLI PER PAIR
SHEAR 784-506 PLI PER PAIR

F-G = 110 T G-E = 520 C
E-B = 569 T E-H = 520 C
D-H = 110 T

Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

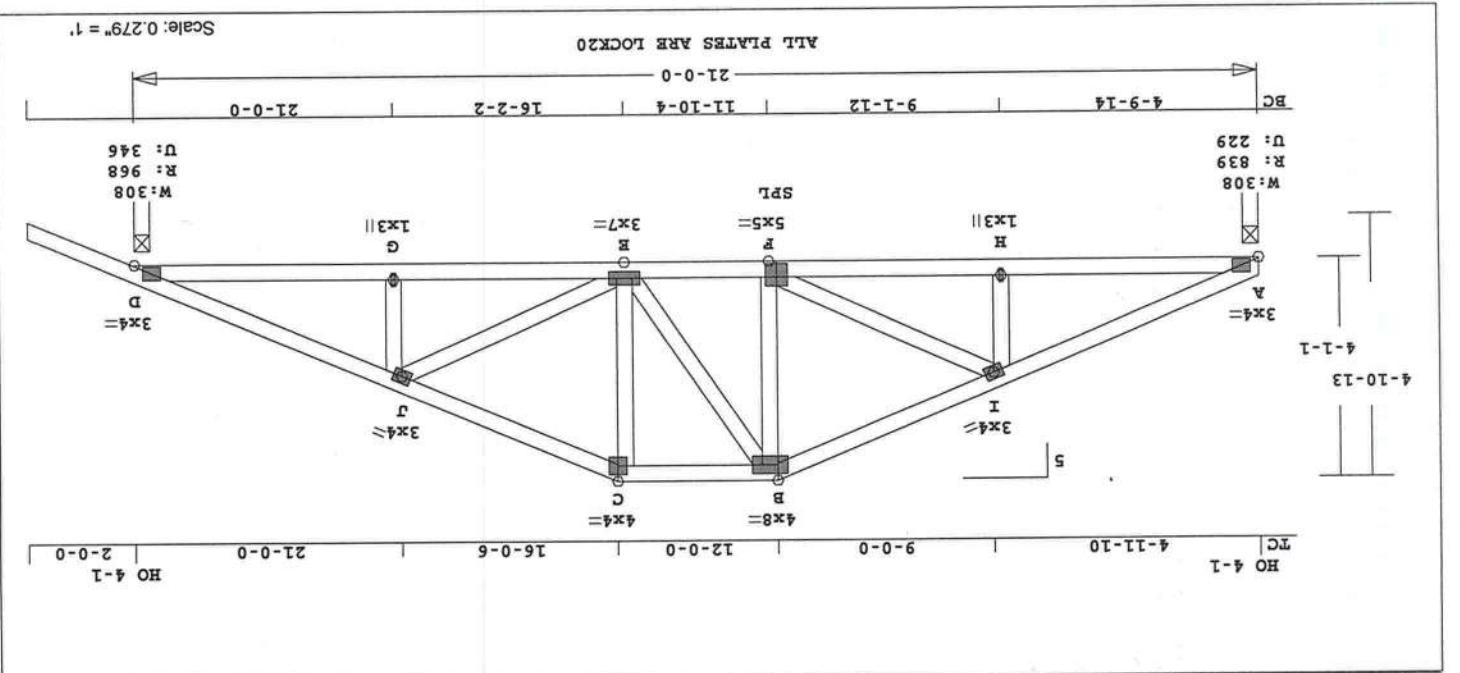
Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 122.0 LBS

3. WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING. TC DEAD LOAD = 5.0 PSF BC DEAD LOAD = 5.0 PSF ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 123 LBS. 5. FASTEN TRUSS TO BRG A FOR 214 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG. 6. FASTEN TRUSS TO BRG C FOR 330 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	B2	3	TR	210000	5	0	2-0-0	T05092881

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering	T05092881
PUMBLEVEL	B3	1	HIP	210000	5	0	2-0-0	Engineering	
U#J#PUMBLEVEL PLUMB LEVEL									



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 131.5 LBS

1. TRUSSES MANUFACTURED BY - Mayo Truss Co., Inc.

2. EMPIRICAL ANALOG IS USED.

3. WIND LOADS - ANSI/ASCE 7-98

TRUSS IS DESIGNED AS A

MAIN WIND-FORCE RES SYSTEM

FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH

MEAN ROOF HEIGHT - 15'

EXPOSURE CATEGORY - B

OCCUPANCY FACTOR - 1.00

ENCLOSED BUILDING.

TC DEAD LOAD = 5.0 PSF

BC DEAD LOAD = 5.0 PSF

ANCHOR TRUSS FOR A TOTAL

HORIZONTAL LOAD OF 112 LBS.

5. FASTEN TRUSS TO BRG A

FOR 229 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

6. FASTEN TRUSS TO BRG D

FOR 346 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

FOR 346 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

Online Plus -- Version 18.0.011

RUN DATE: 9-29-05

CSI SIZE LUMBER 1.15FB

TOP 0.17 2X 4 SP-#2 1720

BTM 0.34 2X 4 SP-#2 1720

WBS 0.16 2X 4 SP-#2 1720

REPETITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT REACT WIDTH JT REACT WIDTH

LBS IN-SX D 839 3-8

LEFT RIGHT

HEEL 0IN - 4SX 0IN - 4SX

MEMBR CSI P (LBS) @1ST @2ND

TOP CHORDS

A-I 0.17 1636 C 673 -995

I-B 0.17 1225 C 995 -381

B-C 0.11 1126 C 570 -568

C-J 0.17 1225 C 379 -996

J-D 0.17 1636 C 996 -673

BOTTOM CHORDS

A-H 0.34 1511 T 119 -106

H-F 0.33 1511 T 106 -262

F-E 0.25 1125 T 262 -257

E-G 0.33 1511 T 257 -107

NOTES:

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

J 1050 3.00 X 4.00 CTR CTR

I 1050 3.00 X 4.00 CTR CTR

H 1001 1.00 X 3.00 CTR CTR

G 1001 1.00 X 3.00 CTR CTR

F 1131 5.00 X 5.00 CTR CTR

E 1070 3.00 X 7.00 CTR CTR

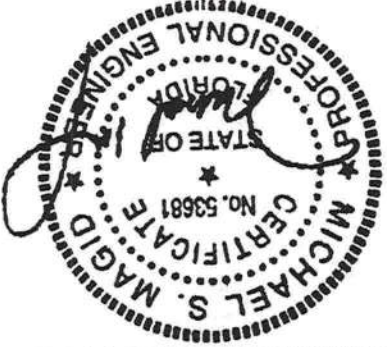
D 2001 3.00 X 4.00 CTR CTR

C 5101 4.00 X 4.00 CTR CTR

B 5150 4.00 X 8.00 CTR CTR

A 2001 3.00 X 4.00 CTR CTR

DATE: 9/29/2005

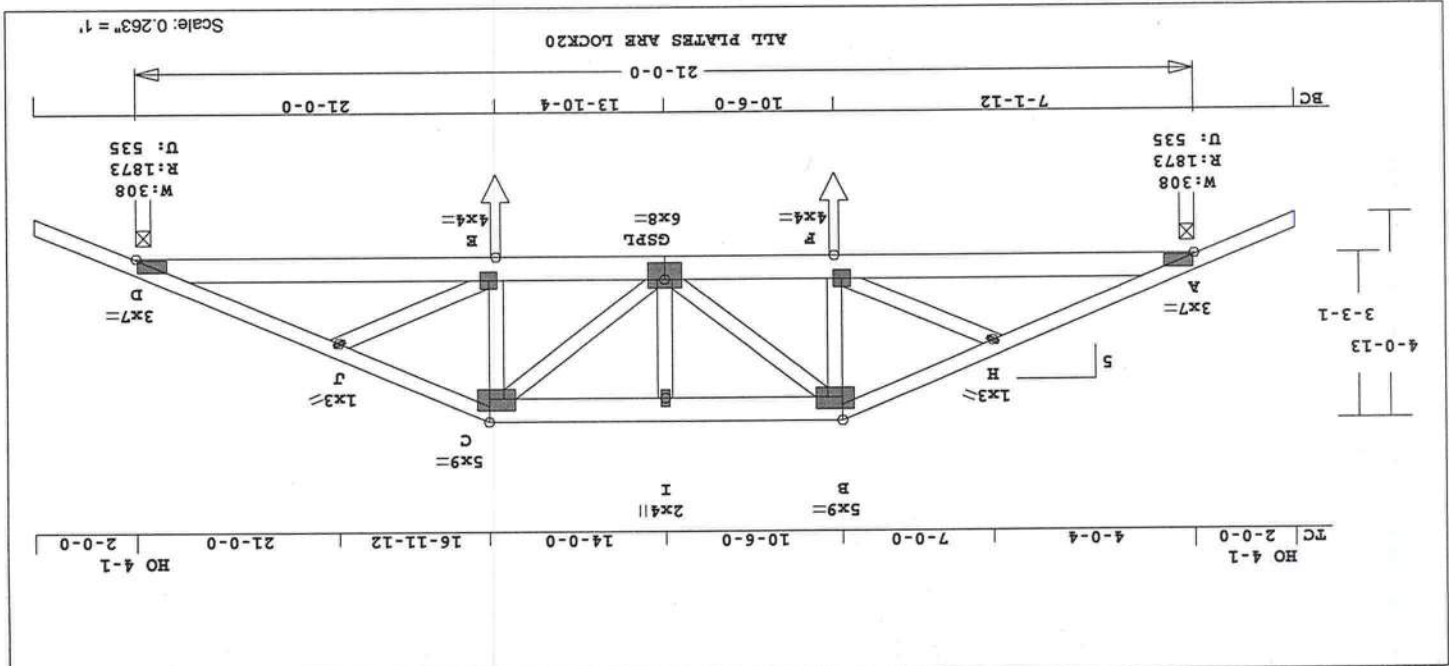


Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

Date Scaled: 9/29/2005

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Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	B4	1	HIP	210000	5	2-0-0	2-0-0	T05092881



ADDITIONAL SPECIFICATIONS.

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

3. WIND LOADS - ANSI/ASCE 7-98

TRUSS IS DESIGNED AS A

MAIN WIND-FORCE RES SYSTEM

FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH

MEAN ROOF HEIGHT - 15'

EXPOSURE CATEGORY - B

OCCUPANCY FACTOR - 1.00

ENCLOSED BUILDING.

TC DEAD LOAD = 5.0 PSF

BC DEAD LOAD = 5.0 PSF

4. FASTEN TRUSS TO BRG A

FOR 535 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALT OR BRG.

5. FASTEN TRUSS TO BRG D

FOR 535 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALT OR BRG.

FOR 535 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALT OR BRG.

6. GIRDER CONDITION:

STEP DOWN HIP GIRDER WITH

KING-JACKS.

OPEN FACE COMMON JACKS.

GIRDER SETBACK 7.00 FT.

Robbins Engineering, Inc./Online plus™ APPROX. TRUSS WEIGHT: 157.2 LBS

A-H 0.38 3978 C 51 117

H-B 0.36 3864 C -117 -871

B-I 0.25 4003 C 871 -742

I-C 0.25 4003 C 871 -742

C-J 0.36 3864 C 871 117

J-D 0.38 3978 C -117 -51

A-F 0.65 3671 T -1273 274

F-G 0.57 3607 T -274 64

G-E 0.57 3607 T -64 274

E-D 0.65 3671 T -274 1273

WEBS

H-F = 118 T F-B = 743 T

B-G = 508 T G-I = 467 C

G-C = 508 T E-C = 743 T

E-J = 116 T

DL+LT DEFL = 0.24" AT I

LT DEFL = 0.12" < BRG-SPAN/240

SPAN/DEFL (DL+LT) = 999

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

PLATES - 20 GAUGE LOCK

GRIPPING 632-312 PSI PER PAIR

INCLUDES 25.0% INCREASE

TENSION 1339-465 PLI PER PAIR

SHEAR 784-506 PLI PER PAIR

PLATE SIZE X

UT TYPE PLATE SIZE X

A 2001 3.00 X 7.00 12.3 5.2

B 5150 5.00 X 9.00 2.7 2.7

C 5150 5.00 X 9.00 2.7 2.7

D 2001 3.00 X 7.00 12.3 5.2

E 1050 4.00 X 4.00 CTR CTR

F 1030 4.00 X 4.00 CTR CTR

G 1170 6.00 X 8.00 CTR CTR

H 1001 1.00 X 3.00 1.5 0.5

I 1001 2.00 X 4.00 CTR CTR

J 1001 1.00 X 3.00 1.5 0.5

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

Online plus -- Version 18.0.011

RUN DATE: 9-29-05

CSI SIZE LUMBER

TOP 0.38 2X 4 SP-#2 1500

BTM 0.65 2X 6 SP-#2 1250

EXCEPTIONS:

B-I 2X 6 SP-#2 1250

I-C G-E E-D SAME AS B-I

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

UNIFORM LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

UNI. LDG. LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

GIRDER LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

GRD. LDG. LIVE DEAD (PLF)

TOP CHD 40.0 20.0

BTM CHD 0.0 20.0

TOTAL 40.0 40.0

EXCEPTIONS:

B-C 90.0 45.0

F-E 0.0 45.0

CONCENTRATED LOADS (LBS)

F 280 (LIVE)

F 279 (DEAD)

E 280 (LIVE)

E 279 (DEAD)

SUPPORT CRITERIA

UT REACT WIDTH JT REACT WIDTH

LBS IN-SX

A 1873 3-8 D 1873 3-8

LEFT

HEEL 0IN - 4SX

RIGHT

MEMBER CSI P (LBS) M@1ST M@2ND

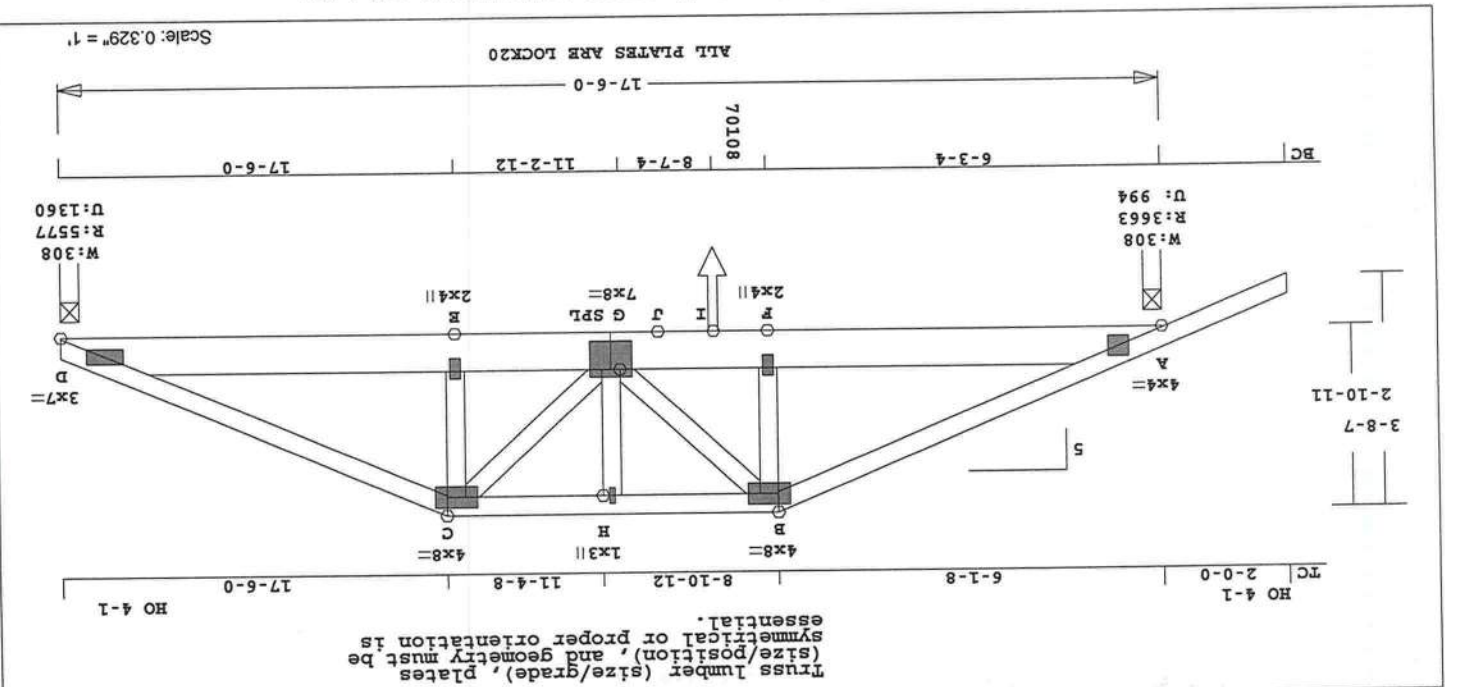
TOP CHORDS

Robbins Engineering, Inc./Online plus™



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	C1	1*3P	HIPP	170600	5	2-0-0	0	T05092881



Online plus -- Version 18.0.011
 RUN DATE: 9-29-05

 * 3-PLY TRUSS *

CS1 SIZE LUMBER 1.15PB
 TOP 0.52 2X 4 SP-#2 1720
 BTM 0.73 2X 8 SP-#2 1380
 WBS 0.21 2X 4 SP-#2 1720
 REPEITIVE MEMBER INCREASES:
 FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.

STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 LOADING LIVE DEAD (PSF)
 TOP CHD 20.0 10.0
 BTM CHD 0.0 10.0
 TOTAL 20.0 20.0
 EXCEPTIONS:
 J-D 140.8 150.8
 CONCENTRATED LOADS (LBS)
 I 1182 (LIVE)
 I 1182 (DEAD)
 SUPPORT CRITERIA
 JT TYPE
 LBS LB IN-SX
 PIN 1 3663 3-8
 D HORZ RLR 0 5577 3-8

MEMBER FORCES - EACH PLY
 MEMBER CSI P(LBS) M01ST M02ND

TOP CHORDS
 A-B 0.33 2935 C 23 152
 B-H 0.30 3110 C 1154 877
 H-C 0.29 3110 C -877 -1025
 C-D 0.52 3363 C 593 1625
 BOTTOM CHORDS
 A-F 0.41 2708 T -2436 -492
 F-I 0.60 2708 T 492 6646
 I-J 0.60 2708 T -6646 4552
 J-G 0.51 2708 T -4552 1442
 G-H 0.58 3118 T -1442 -5113

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

NOTES:
 1. TRUSSES MANUFACTURED BY -
 Mayo Truss Co. Inc.
 2. EMPIRICAL ANALOG IS USED.

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

PLATES ARE FOR EACH PLY
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR

DT+LT DEFL = 0.19" IN C-D
 LT DEFL = 0.09" < BRG-SPAN/240
 SPAN/DEFL (DL+LT) = 999

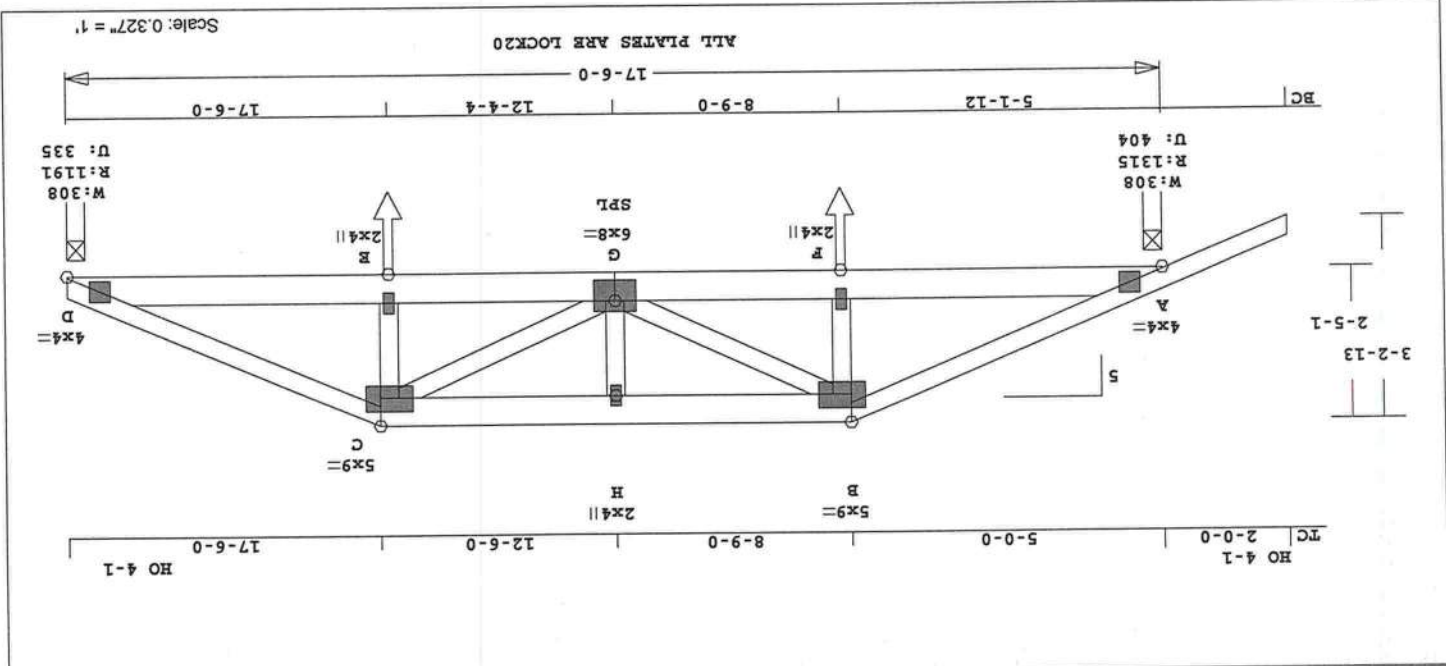
PLATES ARE FOR EACH PLY
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR

3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 4. TIE-IN LOADS SHOWN WITHOUT
 DAMAGE TO TRUSS.
 5. PREVENT TRUSS ROTATION AT
 ALL BEARING LOCATIONS.
 6. FASTEN TRUSS TO BRG A
 FOR 994 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 7. FASTEN TRUSS TO BRG D
 FOR 1360 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 8. 3 COMPLETE TRUSSES REQUIRED.
 FASTEN TRUSSES TOGETHER W/
 16d NAILS AS EACH LAYER IS
 APPLIED, STAGGERED AS FOLLOWS
 MEMBER ROWS SPACING(IN)
 TOP CHD 1 12.0
 BTM CHD 2 8.5
 WEBS 1 4.0
 PLUS CLUSTERS OF NAILS IF
 SHOWN.

Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	C2	1	HIPP	170600	5	2-0-0	0	T05092881



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 118.1 LBS

MEMBER CSI P(LBS) MOST @2ND

TOP CHORDS

A-B	0.25	2645	C	260	-1011
B-H	0.19	2941	C	1011	-367
H-C	0.19	2941	C	1011	-1011
C-D	0.25	2645	C	1011	-260

BOTTOM CHORDS

A-F	0.44	2462	T	-1103	410
F-G	0.42	2462	T	-410	294
G-E	0.42	2462	T	-294	410
E-D	0.44	2462	T	-410	1103

WEBS

F-B	=	385	T	B-G	=	541	T
G-H	=	366	C	G-C	=	541	T
E-C	=	385	T				

DL+LL DEF'L = 0.15" AT H
 LT DEF'L = 0.07" < BRG-SPAN/240
 SPAN/DEF'L (DL+LL) = 999

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

PLATES - 20 GAUGE LOCK

GRIPPING 632-312 PSI PER PAIR

INCLUDES 25.0% INCREASE

TENSION 1339-465 PLI PER PAIR

SHEAR 784-506 PLI PER PAIR

JT TYPE	PLATE	SIZE	X	Y
A	2001	4.00 X 4.00	8.3	4.6
B	5150	5.00 X 9.00	2.7	2.7
C	5150	5.00 X 9.00	2.7	2.7
D	2001	4.00 X 4.00	8.3	4.6
E	1001	2.00 X 4.00	CTR	CTR
F	1001	2.00 X 4.00	CTR	CTR
G	1170	6.00 X 8.00	CTR	4.0
H	1001	2.00 X 4.00	CTR	CTR

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

Online Plus -- Version 18.0.011
 RUN DATE: 9-29-05

CSI SIZE LUMBER

TOP 0.25 2X 4 SP-#2 1500

BTM 0.44 2X 6 SP-#2 1250

WBS 0.10 2X 4 SP-#2 1500

B-H 2X 6 SP-#2 1250

H-C G-E E-D SAME AS B-H

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

UNIFORM LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

GRD. LDG. LIVE DEAD (PLF)

TOP CHD 40.0 20.0

BTM CHD 0.0 10.0

TOTAL 20.0 10.0

GIRDER LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

GRD. LDG. LIVE DEAD (PLF)

TOP CHD 40.0 20.0

BTM CHD 0.0 10.0

TOTAL 20.0 10.0

EXCEPTIONS:

B-C 70.0 35.0

F-E 0.0 35.0

CONCENTRATED LOADS (LBS)

F 133 (LIVE)

E 133 (DEAD)

F 133 (LIVE)

E 133 (DEAD)

JT REACT WIDTH

LBS IN-SX

A 1315 3-8 D 1191 3-8

LEFT

RIGHT

HEEL 0IN - 4SX

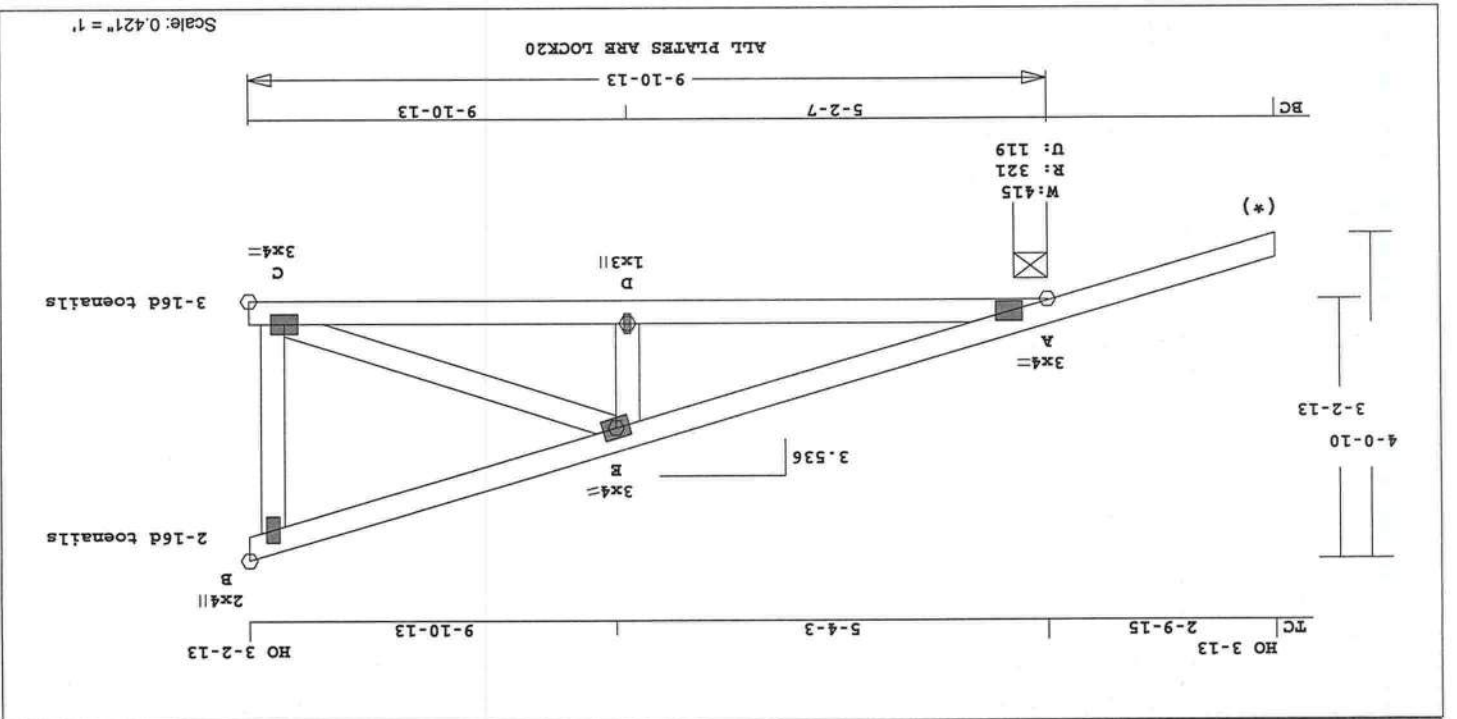
HEEL 0IN - 4SX



Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682

1. TRUSSES MANUFACTURED BY -
2. EMPERICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98
4. FASTEN TRUSS TO BRG A
 FOR 404 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 FOR 335 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
5. FASTEN TRUSS TO BRG D
 FOR 404 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
6. GIRDER CONDITION:
 STEP DOWN HIP GIRDER WITH
 KING-JACKS.
 OPEN FACE COMMON JACKS.
 GIRDER SETBACK 5.00 ft.

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	CJ1	4	MONO	91013	3.536	2 - 9-15	0	T050922881
U#J#PLUMBLEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 59.4 LBS

TOP CHORDS

A-E 0.29 770 C 119 -1773
E-B 0.41 51 C -686 5

BOTTOM CHORDS

A-D 0.19 752 T 131 -378
D-C 0.29 752 T 378 -5

WEBS

C-B 0.06 0 T 0
D-E = 113 T E-C = 794 C

DL+LT DEFL = 0.09" IN E-B
LT DEFL = 0.02" > BRG-SPAN/240

SPAN/DEFL (DL+LT) = 999

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

PLATES - 20 GAUGE LOCK

GRIPPING 632-312 PSI PER PAIR

TENSION 1339-465 PLI PER PAIR

SHEAR 784-506 PLI PER PAIR

UT TYPE PLATE SIZE X Y

A 2001 3.00 X 4.00 7.7 3.2

B 4200 2.00 X 4.00 CTR

C 4010 3.00 X 4.00 CTR

D 1001 1.00 X 3.00 CTR

E 1050 3.00 X 4.00 CTR

Online Plus -- Version 18.0.011

Run Date: 9-29-05

CSI SIZE LUMBER

TOP 0.41 2X 4 SP-#2 1500

BTM 0.29 2X 4 SP-#2 1500

WBS 0.33 2X 4 SP-#2 1500

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

UNIFORM LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

UNI. LDG. LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

GIRDER LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

GRD. LDG. LIVE DEAD (PLF)

TOP CHD 40.0 20.0

BTM CHD 0.0 20.0

TOTAL 40.0 40.0

EXCEPTIONS:

LINEAR VARIATION

ALONG A-B

AT A 0.0 0.0

AT B 84.8 42.4

LINEAR VARIATION

ALONG A-C

AT A 0.0 0.0

AT C 0.0 42.4

SUPPORT CRITERIA

UT REACT WIDTH

LBS IN-SX

A 321 4-15 C 334 3-8

B 222 3-8

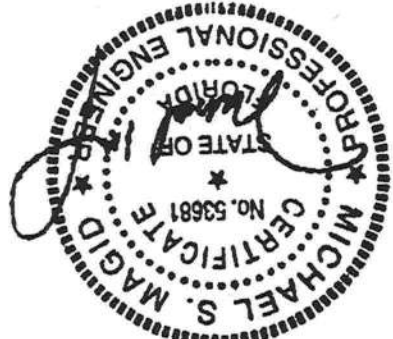
HEEL 0 IN - 2SX

MEMBR CSI P(LBS) M@1ST M@2ND

NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co., Inc.
(NDS) for Wood Construction
National Design Specification
For proper installation of
toe-nails, refer to the 2001
Additional Specifications.
NOTES AND SYMBOLS SHEET FOR
REFER TO ROBBINS ENG. GENERAL

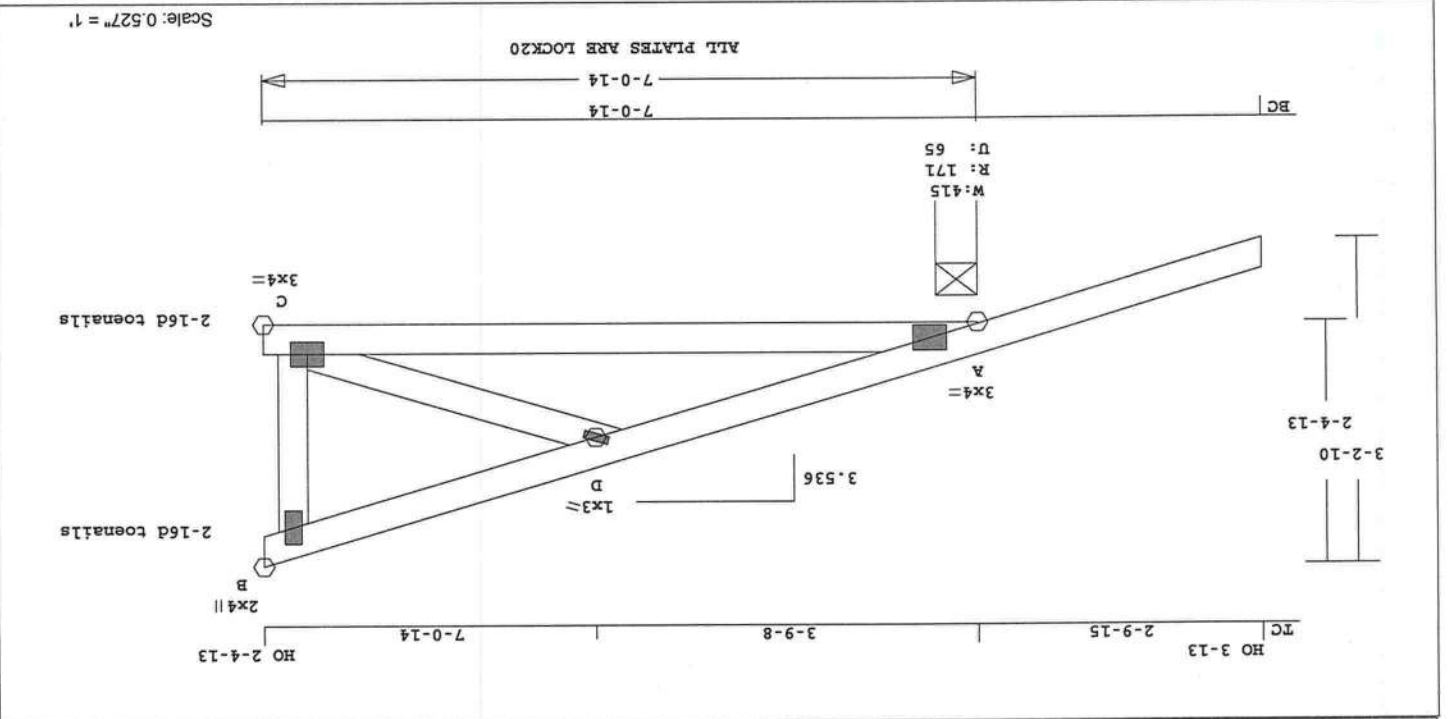
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



2. EMPIRICAL ANALOG IS USED.
3. WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING.
4. FASTEN TRUSS TO BRG A
FOR 119 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
5. FASTEN TRUSS TO BRG B
FOR 122 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
6. GIRDER CONDITION:
KING JACK GIRDER.
TIE-IN JACKS ON TOP/BTM. GIRDER SETBACK 7.00 ft.
7. MAX LEFT OVERHANG= 33 IN.
PROVIDE SUPPORT OR LEVEL RETURN.

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	CJ2	2	MONO	70014	3.536	2-9-15	0	T05092881
U# J# PLUMB LEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.4 LBS

MEMBER CSI P(LBS) M@1ST M@2ND		TOP CHORDS		D-B 0.12 38 C -90		3	
A-D 0.11 297 C -511 -711		BOTTOM CHORDS		A-C 0.19 296 T 427		-3	
D-C = 0.03		WEBS		C-B 0.03		0	
D-C = 315 C							
LATERAL BRACING:		CSI		SIZE LUMBER		FB	
TOP CHORD - CONTINUOUS		BTM CHORD - CONTINUOUS		TRUSS SPACING - 24.0 IN.			
UNIFORM LOADING		LUMBER STRESS INCREASE: 25.0%		PLATE STRESS INCREASE: 25.0%		UNI. LDG. LIVE DEAD (PSF)	
TOP CHD		BTM CHD		TOTAL		20.0 0.0 20.0	
GRD. LDG. LIVE DEAD (PLF)		TOP CHD		BTM CHD		TOTAL	
LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		TOP CHD		BTM CHD	
LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		TOP CHD		BTM CHD	
LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		TOP CHD		BTM CHD	

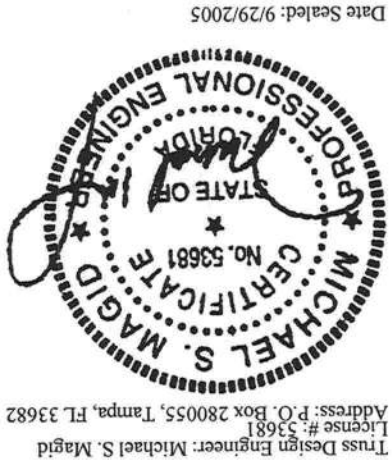
UNIFORM LOADING		REPORT: NER 691		PLATING CONFORMS TO TPI.		WHITE PERMITTING NO UPWARD		MOVEMENT OR WALT OR BRG.		5. FASTEN TRUSS TO BRG B		FOR 60 LBS OF UPLIFT,		WHILE PERMITTING NO UPWARD		LUMBER STRESS INCREASE: 25.0%		ROBBINS ENGINEERING, INC.		BASED ON SP LUMBER		USING GROSS AREA TEST.		PLATES - 20 GAUGE LOCK		GRIPPING 632-312 PSI PER PAIR		INCLUDES 25.0% INCREASE		TOTAL		20.0		0.0		10.0		40.0		TENSION 1339-465 PLI PER PAIR		SHEAR 784-506 PLI PER PAIR		JT TYPE		PLATE SIZE		X		Y		LUMBER STRESS INCREASE: 25.0%		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. 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LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. 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LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)		A 2001 3.00 X 4.00		B 4200 2.00 X 4.00		C 4010 3.00 X 4.00		D 1001 1.00 X 3.00		CTR		CTR		CTR		0.5		LUMBER STRESS INCREASE: 25.0%		GRD. LDG. LIVE DEAD (PLF)	
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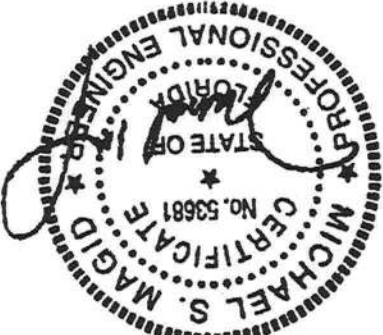
REVIEWED BY: Robbings Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES: 1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.





Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

$$DL+LT DEF = 0.29" \text{ IN A-B}$$

MEBS

TOP CHORDS			
A-B	0.52	61 C -1196	0
1. TRUSSES MANUFACTURED BY -			
Mayo Truss Co. Inc.			
A-C	0.36	0 T -1937	0
2. EMPIRICAL ANALOG IS USED.			

MEMBR CSI P(LBS) M@1ST M@2ND

XS7 - NIO TEEL

RIGHT LEFT

8 - 3 89 C

A 414 3-8 B 184 3-8

XS-NI	LBS	XS-NI	LBS
IN-SX		IN-SX	

DO NOT REACT WITH

JOHN
SUPPORT CRITERIA

BIM CHD	0.0	10.0	
TOTAL	30.0	30.0	40.0

TOP	CHD	20.0	10.0
BMF	CHD	0.0	10.0

	LOADING	LIVE	DEAD (PSF)
--	---------	------	------------

PLATE STRESS INCREASE: 25.0%

LUMBER STRESS INCREASE: 25.0%

STANDARD LOADING

TRUSS SPACING - 24.0 IN.

BTM CHORD - CONTINUOUS

TOP CHORD - CONTINUOUS

LATERAL BRACING:

FD 15:08 11 00:00 00:00

REFUTATIVE MEMBER INCREASES:

B.I.W 0.36 2X 4 SP-#2 1/20

TOP 0.52 2X 4 SP-#2 1720

CSI	SIZE	TUMBER	1.15FB
-----	------	--------	--------

RUN DATE: 9-29-05

Online Plus -- Version 18.0.011

$$\text{SPAN/DEFL} (DL+LL) = 294$$
$$LT\ DEF. = 0.03" < BRG-SPAN/240$$

Robbins Engineering, Inc./On-line PlusTM APPROX. TRUSS WEIGHT: 31.9 LBS

3. WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING.

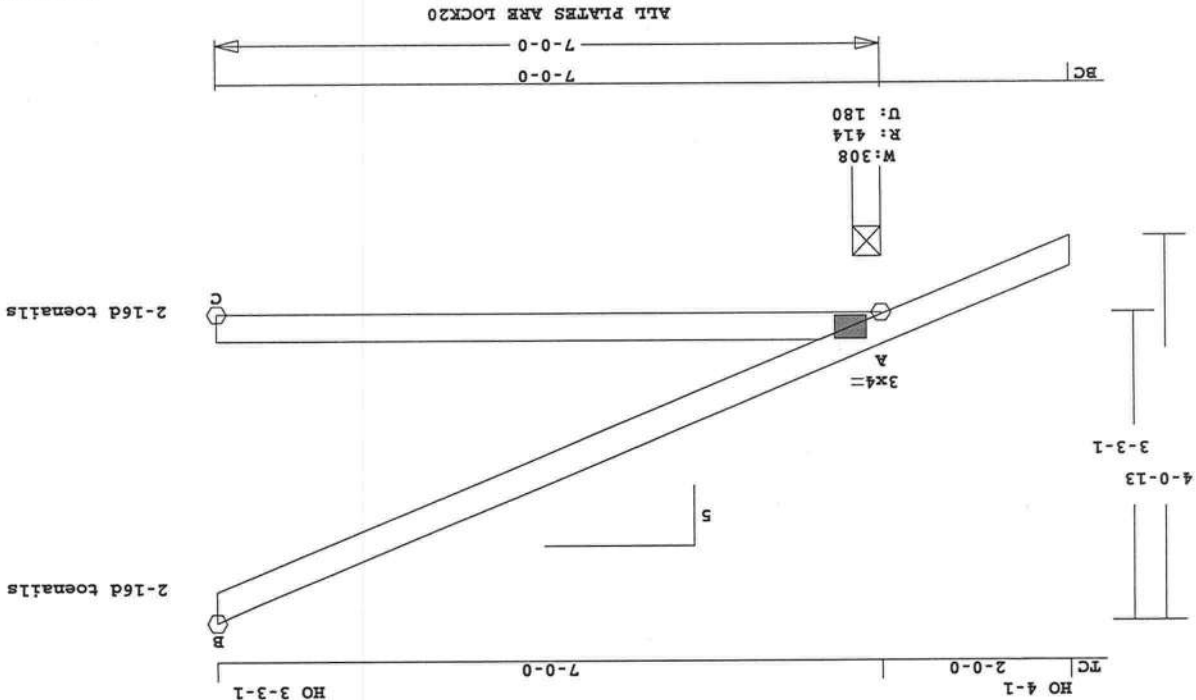
TC DEAD LOAD = 5.0 PSF BC DEAD LOAD = 5.0 PSF

4. ANCHOR TRUSS FOR A TOTAL HORIZONTAL LOAD OF 169 LBS

5. FASTEN TRUSS TO BRG A FOR 180 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

6. FASTEN TRUSS TO BRG B FOR 126 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

Scale: 0.496" = 1'



U# J#PLUMBLEVEL PLUMB LEVEL

PLUMBLEVEL

If

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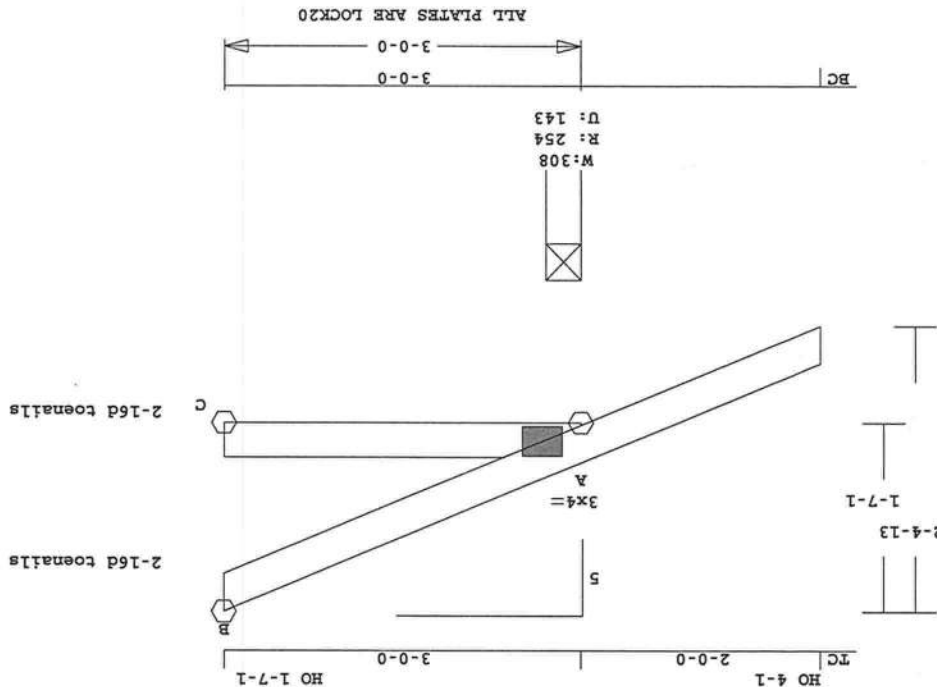
188760501



Truss Design Engineer: Michael S. Magid
License #: 33681
Address: P.O. Box 280055, Tampa, FL 33682

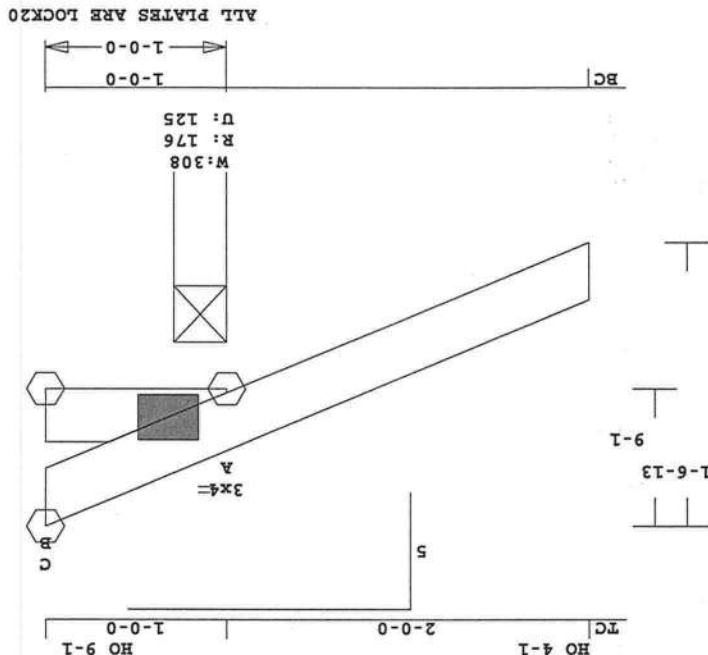
3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
4. FASTEN TRUSS TO BRG A
FOR 143 LBS OF UPLIFT,
WHITE PERMITTING NO UPWARD
MOVEMENT OF WALT OR BRG.
5. FASTEN TRUSS TO BRG B
FOR 51 LBS OF UPLIFT,
WHITE PERMITTING NO UPWARD
MOVEMENT OF WALT OR BRG.

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS									
DL+LL DEFL = 0.01" IN A-B									
LT DEFL = 0.00" < BRG-SPAN/240									
SPAN/DEFL (DL+LL) = 999									
RUN DATE: 9-29-05									
CS1 SIZE LUMBER 1.15FB TOP 0.09 2X 4 SP-#2 1.720 BTM 0.07 2X 4 SP-#2 1.720									
REPETITIVE MEMBER INCREASES: FB 15.0% FT 0.0% FC 0.0%									
LATERAL BRACING:									
TOP CHORD - CONTINUOUS BTM CHORD - CONTINUOUS									
TRUSS SPACING - 24.0 IN.									
STANDARD LOADING									
LUMBER STRESS INCREASE: 25.0% PLATE STRESS INCREASE: 25.0%									
LOADING									
LIVE DEAD (PSF) 20.0 10.0									
TOP CHD 20.0									
BTM CHD 0.0									
TOTAL 20.0									
SUPPORT CRITERIA									
UT TYPE HORIZ VERT WIDTH									
A PIN -1 254									
B HORIZ RLR 0 75									
C HORIZ RLR 0 38									
LEFT RIGHT									
HEEL 0 IN - 4 SX									
MEMBER									
CS1 P (LBS) MOIST MO2ND									
TOP CHORDS 0.09 25 C -50									
A-B 0.07 0 T -415									
BOTTOM CHORDS 0.07 0 T -415									
WEBS 0.07 0 T -415									



Job	Mark	Quan	Type	Spn	Pl-H1	Left OH	Right OH	Engineering	T05092881
PLUMBLEVEL	J3	12	JCA2	30000	5	2 - 0 - 0	0		
U# J#PLUMBLEVEL PLUMB LEVEL									

Job	Mark	Quan	Type	Spac	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	J4	12	JCA2	10000	5	2-0-0	0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.3 LBS
SPAN/DEFL (DL+LL) = 999

3. WIND LOADS - ANSI/ASCE 7-98

TRUSS IS DESIGNED AS A

MAIN WIND-FORCE RES SYSTEM

FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH

MEAN ROOF HEIGHT - 15'

EXPOSURE CATEGORY - B

OCCUPANCY FACTOR - 1.00

ENCLOSED BUILDING.

TC DEAD LOAD = 5.0 PSF

BC DEAD LOAD = 5.0 PSF

4. FASTEN TRUSS TO BRG A

FOR 125 LBS OF UPLIFT,

WHILE PERMITTING NO UPWARD

MOVEMENT OF WALL OR BRG.

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT TYPE HORIZ VERT WIDTH

LBS IN-SX

A PIN -3

B HORIZ RLR 0 20 3-8

C HORIZ RLR 0 12 3-8

LEFT RIGHT

HEEL 0 IN - 4SX

MEMBER CSI P(LBS) @1ST @2ND

TOP CHORDS

A-B 0.01 7 C 24 0

BOTTOM CHORDS

A-C 0.01 0 T -42 0

WEBS

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

(NDS) for Wood Construction

For proper installation of

toe-nails, refer to the 2001

National Design Specification

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Tampa, FL 33682

PO Box 280055

Robbins Engineering, Inc.

REVIEWED BY:

A 2001 3.00 X 4.00 5.9 3.1

JT TYPE PLATE SIZE X

784- 506 PLI PER PAIR

SHEAR

TENSION 1339- 465 PLI PER PAIR

INCLUDES 25.0% INCREASE

GRIPPING 632-312 PSI PER PAIR

PLATES - 20 GAUGE LOCK

USING GROSS AREA TEST.

BASED ON SP LUMBER

ROBBINS ENGINEERING, INC.

REPORT: NER 691

PLATING CONFORMS TO TPI.

Run DATE: 9-29-05

Online Plus -- Version 18.0.011

CSI SIZE LUMBER 1.15FB

TOP 0.01 2X 4 SP-#2 1720

BTM 0.01 2X 4 SP-#2 1720

REPETITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT TYPE HORIZ VERT WIDTH

LBS IN-SX

A PIN -3

B HORIZ RLR 0 20 3-8

C HORIZ RLR 0 12 3-8

LEFT RIGHT

HEEL 0 IN - 4SX

MEMBER CSI P(LBS) @1ST @2ND

TOP CHORDS

A-B 0.01 7 C 24 0

BOTTOM CHORDS

A-C 0.01 0 T -42 0

WEBS

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

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A 2001 3.00 X 4.00 5.9 3.1

JT TYPE PLATE SIZE X

784- 506 PLI PER PAIR

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TENSION 1339- 465 PLI PER PAIR

INCLUDES 25.0% INCREASE

GRIPPING 632-312 PSI PER PAIR

PLATES - 20 GAUGE LOCK

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ROBBINS ENGINEERING, INC.

REPORT: NER 691

PLATING CONFORMS TO TPI.

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Online Plus -- Version 18.0.011

CSI SIZE LUMBER 1.15FB

TOP 0.01 2X 4 SP-#2 1720

BTM 0.01 2X 4 SP-#2 1720

REPETITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT TYPE HORIZ VERT WIDTH

LBS IN-SX

A PIN -3

B HORIZ RLR 0 20 3-8

C HORIZ RLR 0 12 3-8

LEFT RIGHT

HEEL 0 IN - 4SX

MEMBER CSI P(LBS) @1ST @2ND

TOP CHORDS

A-B 0.01 7 C 24 0

BOTTOM CHORDS

A-C 0.01 0 T -42 0

WEBS

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

(NDS) for Wood Construction

For proper installation of

toe-nails, refer to the 2001

National Design Specification

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Tampa, FL 33682

PO Box 280055

Robbins Engineering, Inc.

REVIEWED BY:

A 2001 3.00 X 4.00 5.9 3.1

JT TYPE PLATE SIZE X

784- 506 PLI PER PAIR

SHEAR

TENSION 1339- 465 PLI PER PAIR

INCLUDES 25.0% INCREASE

GRIPPING 632-312 PSI PER PAIR

PLATES - 20 GAUGE LOCK

USING GROSS AREA TEST.

BASED ON SP LUMBER

ROBBINS ENGINEERING, INC.

REPORT: NER 691

PLATING CONFORMS TO TPI.

Run DATE: 9-29-05

Online Plus -- Version 18.0.011

CSI SIZE LUMBER 1.15FB

TOP 0.01 2X 4 SP-#2 1720

BTM 0.01 2X 4 SP-#2 1720

REPETITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT TYPE HORIZ VERT WIDTH

LBS IN-SX

A PIN -3

B HORIZ RLR 0 20 3-8

C HORIZ RLR 0 12 3-8

LEFT RIGHT

HEEL 0 IN - 4SX

MEMBER CSI P(LBS) @1ST @2ND

TOP CHORDS

A-B 0.01 7 C 24 0

BOTTOM CHORDS

A-C 0.01 0 T -42 0

WEBS

NOTES:

1. TRUSSES MANUFACTURED BY -

Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

(NDS) for Wood Construction

For proper installation of

toe-nails, refer to the 2001

National Design Specification

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Tampa, FL 33682

PO Box 280055

Robbins Engineering, Inc.

REVIEWED BY:

A 2001 3.00 X 4.00 5.9 3.1

JT TYPE PLATE SIZE X

784- 506 PLI PER PAIR

SHEAR

TENSION 1339- 465 PLI PER PAIR

INCLUDES 25.0% INCREASE

GRIPPING 632-312 PSI PER PAIR

PLATES - 20 GAUGE LOCK

USING GROSS AREA TEST.

BASED ON SP LUMBER

ROBBINS ENGINEERING, INC.

REPORT: NER 691

PLATING CONFORMS TO TPI.

Run DATE: 9-29-05

Online Plus -- Version 18.0.011

CSI SIZE LUMBER 1.15FB

TOP 0.01 2X 4 SP-#2 1720

BTM 0.01 2X 4 SP-#2 1720

REPETITIVE MEMBER INCREASES:

FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:

TOP CHORD - CONTINUOUS

BTM CHORD - CONTINUOUS

TRUSS SPACING - 24.0 IN.

STANDARD LOADING

LUMBER STRESS INCREASE: 25.0%

PLATE STRESS INCREASE: 25.0%

LOADING LIVE DEAD (PSF)

TOP CHD 20.0 10.0

BTM CHD 0.0 10.0

TOTAL 20.0 20.0

SUPPORT CRITERIA

JT TYPE HORIZ VERT WIDTH

LBS IN-SX

A PIN -3

B HORIZ RLR 0 20 3-8

C HORIZ RLR 0 12 3-8

LEFT RIGHT

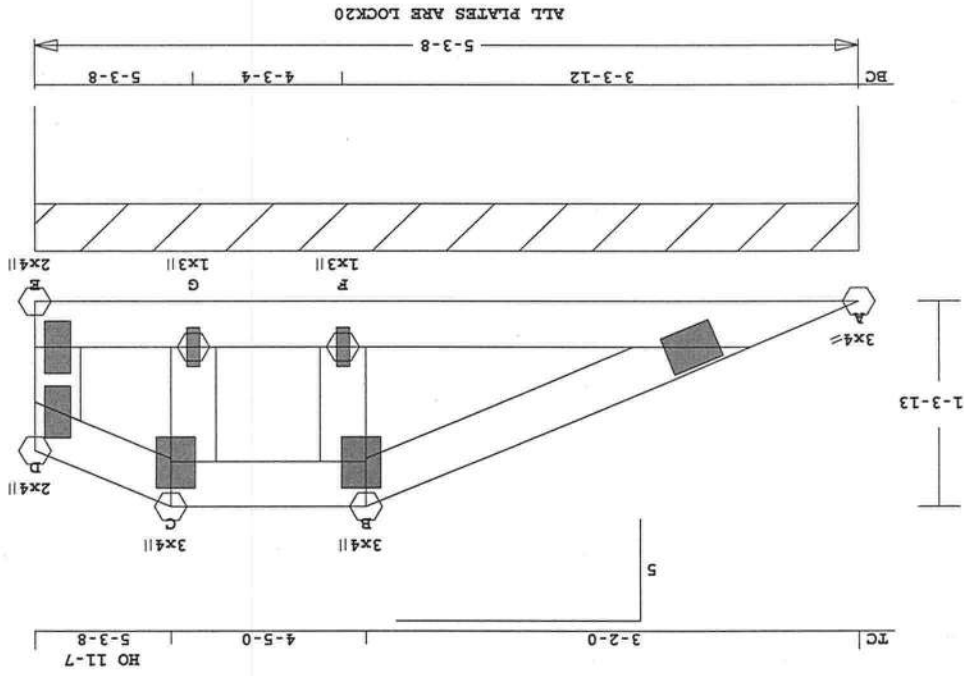
HEEL 0 IN - 4SX

MEMBER CSI P(LBS) @1ST @2ND

TOP CHORDS

A-B 0.01 7 C 24 0

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	VI	1	VLHPS.SB	50308	5	0	0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL								



Scale: 0.814" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.1 LBS
 F-B = 147 C G-C = 43 C
 E-D = 30 C

Online Plus -- Version 18.0.011
 RUN DATE: 9-29-05

DL+LL DEFL = 0.01" IN A-B
 LT DEFL < BRG-SPAN/240
 SPAN/DEFL (DL+LL) = 999
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 PLATES - 20 GAUGE LOCK
 GRIPPING 632-312 PSI PER PAIR
 INCLUDES 25.0% INCREASE
 TENSION 1339-465 PLI PER PAIR
 SHEAR 784-506 PLI PER PAIR

LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.

STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 LOADING LIVE DEAD (PSF)
 TOP CHD 20.0
 BTM CHD 0.0
 TOTAL 20.0
 SUPPORT CRITERIA
 CONTINUOUS BETWEEN JNTS A & E

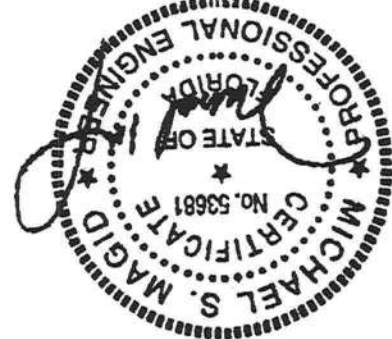
LEFT RIGHT
 R = PLATE IS ROTATED BY 90 DEG

MEMBR CSI P(LBS) M@1ST M@2ND
 REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

MEMBS					
A-B	0.08	15 C	-293	128	
B-C	0.03	18 T	-73	5	
C-D	0.01	10 T	-3	5	
A-F	0.07	0 T	-429	-161	
F-G	0.02	0 T	161	50	
G-E	0.01	0 T	-50	0	

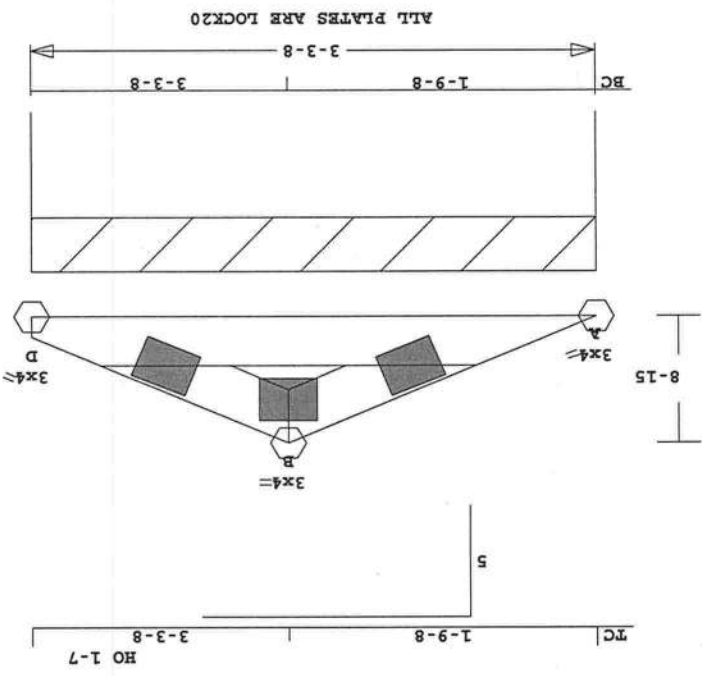
NOTES:



Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682

1. TRUSSES MANUFACTURED BY - Mayo Truss Co., Inc.
 2. EMPIRICAL ANALOG IS USED.
 3. WIND LOADS - ANSI/ASCE 7-98 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING.
 4. PROVIDE DRAINAGE TO PREVENT WATER PONDING.
 5. FASTEN TRUSS TO BRG F
- FOR 114 LBS OF UPLIFT, MOVEMENT OF WALL OR BRG.

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMB LEVEL	V2	1	VLS.SB	30308	5	0	0	T05092881
U# J# PLUMB LEVEL PLUMB LEVEL								



Scale: 0.895" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 10.7 LBS
 REPORT: NER 691
 PLATING CONFORMS TO TPI.
 4. FASTEN TRUSS TO BRG A FOR 51 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

CS1 SIZE LUMBER 1.15FB
 TOP 0.03 2X 4 SP-#2 1720
 BTM 0.04 2X 4 SP-#2 1720
 REPETITIVE MEMBER INCREASES:
 FB 15.0% FT 0.0% FC 0.0%
 LATERAL BRACING:
 TOP CHORD - CONTINUOUS
 BTM CHORD - CONTINUOUS
 TRUSS SPACING - 24.0 IN.

STANDARD LOADING
 LUMBER STRESS INCREASE: 25.0%
 PLATE STRESS INCREASE: 25.0%
 LOADING LIVE DEAD (PSF)
 TOP CHD 20.0 10.0
 BTM CHD 0.0 10.0
 TOTAL 20.0 20.0
 SUPPORT CRITERIA
 CONTINUOUS BETWEEN JNTS A & D

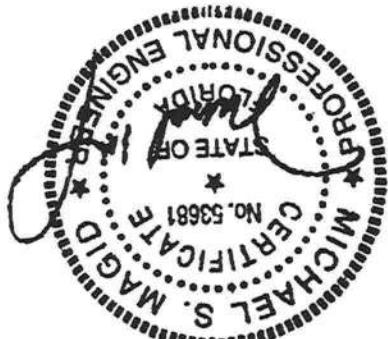
LEFT RIGHT
 GIRD 01N - OSX 1IN - 7SX
 MEMBR CSI P(LBS) @1ST @2ND
 A-B 0.03 125 C 91 -138
 B-D 0.02 128 C 138 -44
 A-D 0.04 117 T -91 44
 WEBS
 DL+LL DEFL = 0.00" IN A-B
 LT DEFL < BRG-SPAN/240
 SPAN/DEFL (DL+LL) = 999

NOTES:
 1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
 2. EMPIRICAL ANALOG IS USED.
 3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.



Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682



Truss Design Engineer: Michael S. Magid
 License #: 53681
 Address: P.O. Box 280055, Tampa, FL 33682

- NOTES:
 1. TRUSSES MANUFACTURED BY - Mayo Truss Co. Inc.
 2. EMPIRICAL ANALOG IS USED.

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

REVIEWED BY:
 Robbings Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

JT TYPE	PLATE	SIZE	X	Y
A	2003	3.00 X 4.00	6.2	3.2
B	4200	2.00 X 4.00	CTR	CTR
C	4000	2.00 X 4.00	CTR	CTR
D	1001	1.00 X 3.00	CTR	CTR
E	1001	1.00 X 3.00	CTR	CTR

TENSION 1339- 465 PLI PER PAIR
 SHEAR 784- 506 PLI PER PAIR

INCLUDES 25.0% INCREASE
 GRIPPING 632-312 PSI PER PAIR

PLATES - 20 GAUGE LOCK
 USING GROSS AREA TEST.

BASED ON SP LUMBER
 ROBBINS ENGINEERING, INC.

REPORT: NER 691
 PLATING CONFORMS TO TPI.

Online Plus -- Version 18.0.011 SPAN/DEFL (DL+LL) = 999

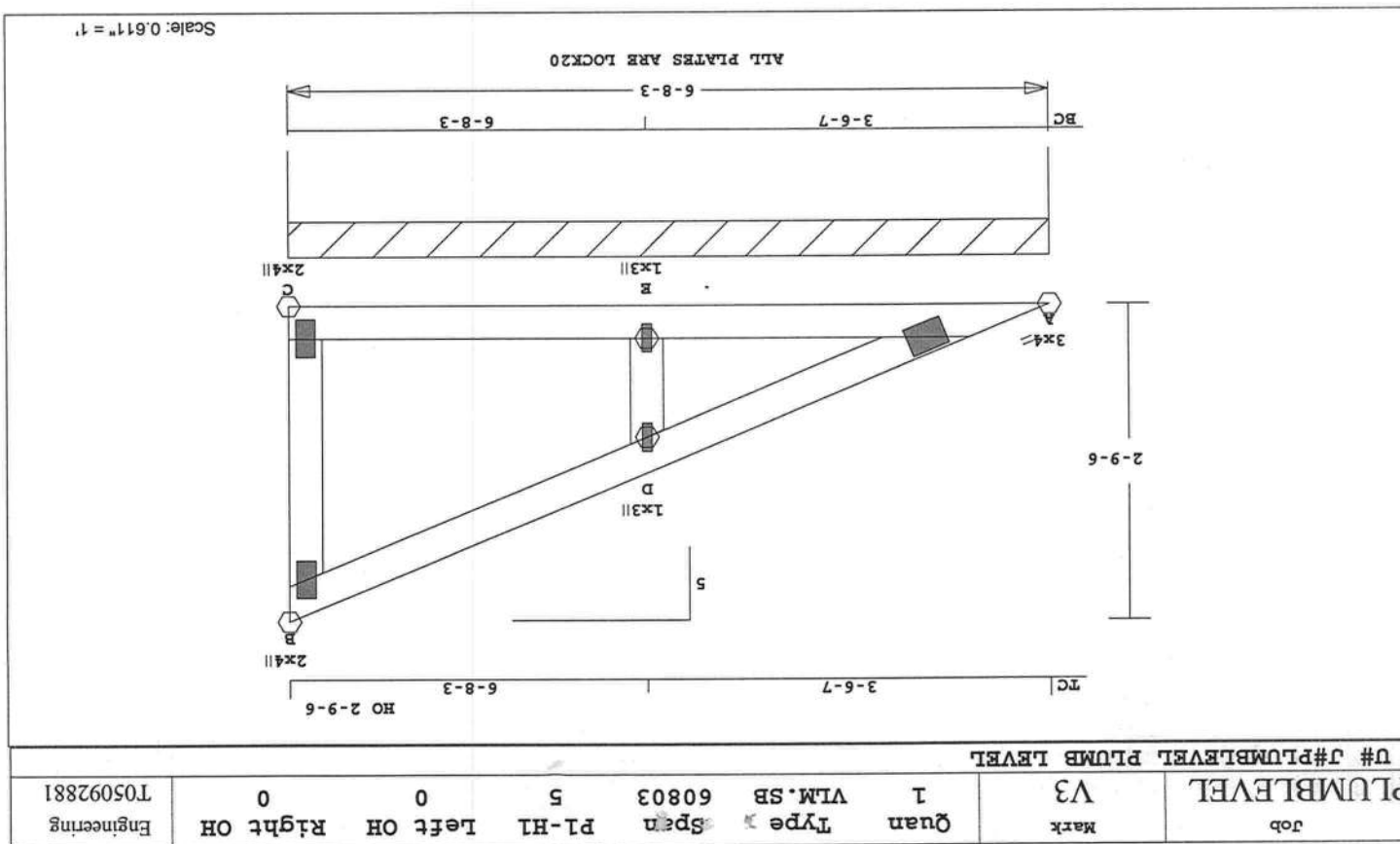
LT DEFL < BRG-SPAN/240

DL+LL DEFL = 0.01" IN A-D

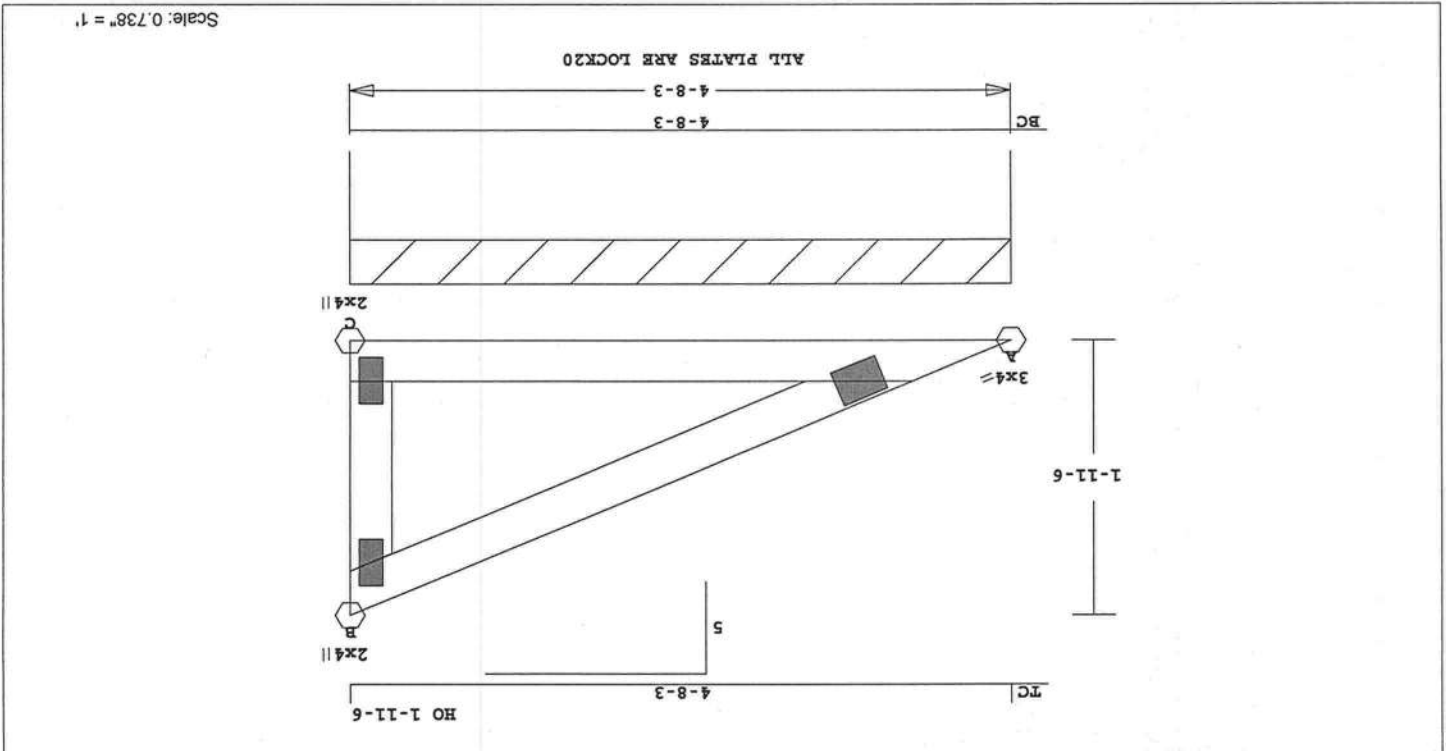
Robbings Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 30.7 LBS

3. WIND LOADS - ANSI/ASCE 7-98
 TRUSS IS DESIGNED AS A
 MAIN WIND-FORCE RES SYSTEM
 FOR EXTERIOR ZONE LOCATION
 WIND SPEED - 110 MPH
 MEAN ROOF HEIGHT - 15'
 EXPOSURE CATEGORY - B
 OCCUPANCY FACTOR - 1.00
 ENCLOSED BUILDING.
 TC DEAD LOAD = 5.0 PSF
 BC DEAD LOAD = 5.0 PSF
 4. ANCHOR TRUSS FOR A TOTAL
 HORIZONTAL LOAD OF 114 LBS.
 5. FASTEN TRUSS TO BRG C
 FOR 53 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.
 6. FASTEN TRUSS TO BRG E
 FOR 169 LBS OF UPLIFT,
 WHILE PERMITTING NO UPWARD
 MOVEMENT OF WALL OR BRG.

CS1	SIZE LUMBER	1.15FB
TOP	0.14	2X 4 SP-#2
BTM	0.06	2X 4 SP-#2
WBS	0.02	2X 4 SP-#2
REPETITIVE MEMBER INCREASES:		
FB	15.0%	FT 0.0% FC 0.0%
LATERAL BRACING:		
TOP CHORD - CONTINUOUS		
BTM CHORD - CONTINUOUS		
TRUSS SPACING -	24.0 IN.	
STANDARD LOADING		
LUMBER STRESS INCREASE:	25.0%	
PLATE STRESS INCREASE:	25.0%	
LOADING LIVE DEAD (PSF)		
TOP CHD	20.0	10.0
BTM CHD	0.0	10.0
TOTAL	20.0	20.0
SUPPORT CRITERIA		
CONTINUOUS BETWEEN JNTS A & C		
LEFT		
RIGHT		
GIRD	0 IN -	0 SX
MEMBR	CS1	P (LBS) M@1ST M@2ND
TOP CHORDS		
A-D	0.14	95 C -258 618
D-B	0.13	28 C -618 5
A-E	0.06	0 T -382 -103
E-C	0.02	0 T 103 0
E-D		232 C C-B = 75 C



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMB LEVEL	V4	1	WLM.SB	40803	5	0	0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL								



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 19.5 LBS
SPAN/DEFL (DL+L) = 999

Online Plus -- Version 18.0.011 PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.

CS1 SIZE LUMBER 1.15FB
TOP 0.21 2X 4 SP-#2 1720
BTM 0.14 2X 4 SP-#2 1720
WBS 0.01 2X 4 SP-#2 1720
REPEITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%
LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.
STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 0.0 10.0
TOTAL 20.0 20.0
SUPPORT CRITERIA
CONTINUOUS BETWEEN JNTS A & C
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.
MEMBR CSI P(LBS) @1ST @2ND
TOP CHORDS
A-B 0.21 38 C -664 5
A-C 0.14 0 T -952 0
C-B = 128 C
WEBS
DL+L DEFL = 0.05" IN A-B
LT DEFL > BRG-SPAN/240



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

DL+LL DEFL = 0.00" IN A-B
LL DEFL < BRG-SPAN/240

C-B = 76 C
WEBS
A-C 0.04 0 T -294 0
BOTTOM CHORDS
A-B 0.07 20 C -198 5
TOP CHORDS

MEMBR CSI P(LBS) @1ST @2ND

1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.
2. EMPIRICAL ANALOG IS USED.

GIRD 01N - 0SX
LEFT
RIGHT

CONTINUOUS BETWEEN JNTS A & C
SUPPORT CRITERIA
TOTAL 20.0 20.0 40.0
BTM CHD 0.0 10.0
TOP CHD 20.0 10.0
LOADING LIVE DEAD (PSF)
PLATE STRESS INCREASE: 25.0%
LUMBER STRESS INCREASE: 25.0%
STANDARD LOADING

NOTES:
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

TRUSS SPACING - 24.0 IN.
BTM CHORD - CONTINUOUS
TOP CHORD - CONTINUOUS
LATERAL BRACING:

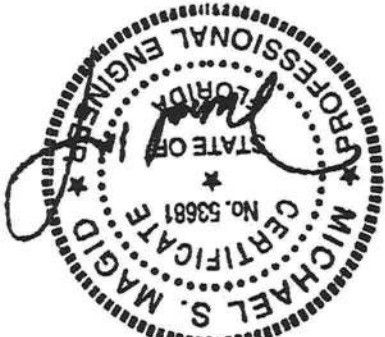
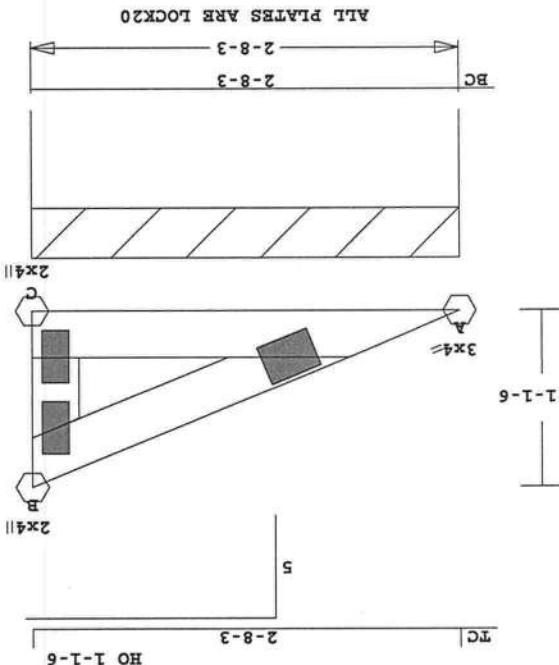
JT TYPE PLATE SIZE X
A 2003 3.00 X 4.00 6.2 3.2
B 4200 2.00 X 4.00 CTR CTR
C 4000 2.00 X 4.00 CTR CTR

FB 15.0% FT 0.0% FC 0.0%
REPETITIVE MEMBER INCREASES:
WBS 0.01 2X 4 SP-#2 1720
BTM 0.04 2X 4 SP-#2 1720
TOP 0.07 2X 4 SP-#2 1720
CSI SIZE LUMBER 1.15PB

ROBBINS ENGINEERING, INC.
REPORT: NER 691
PLATING CONFORMS TO TPI.
SPAN/DEFL (DL+LL) = 999

Online Plus -- Version 18.0.011
RUN DATE: 9-29-05

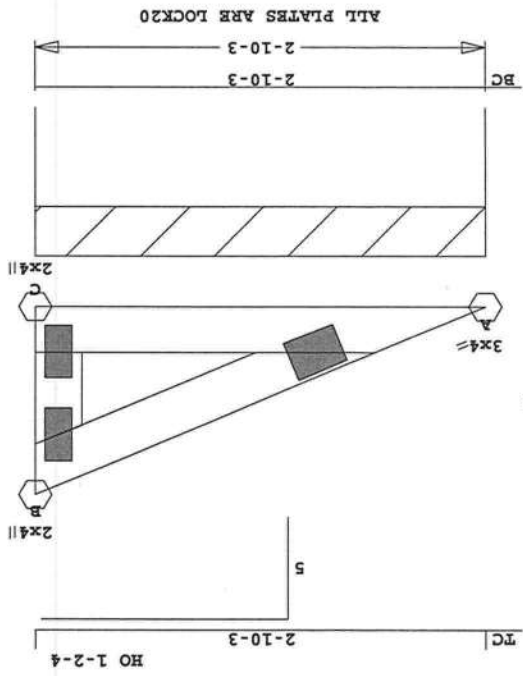
3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION
WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00
ENCLOSED BUILDING.
TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF
4. FASTEN TRUSS TO BRG C
FOR 57 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PLUMBLEVEL	V5	1	VLM.SB	20803	5	0	0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL								

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PLUMBLEVEL	V6	1	VLM.SB	21003	5	0	0	T05092881
U# J#PLUMBLEVEL PLUMB LEVEL								



Scale: 0.826" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 10.9 LBS
SPAN/DEFL (DL+LL) = 999

Online Plus -- Version 18.0.011 PLATING CONFORMS TO TPI.
REPORT: NER 691

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER

USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK

GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE

TENSION 1339-465 PLI PER PAIR
SHEAR 784-506 PLI PER PAIR

4. FASTEN TRUSS TO BRG C
FOR 61 LBS OF UPLIFT,
WHILE PERMITTING NO UPWARD
MOVEMENT OF WALL OR BRG.

3. WIND LOADS - ANSI/ASCE 7-98
TRUSS IS DESIGNED AS A
MAIN WIND-FORCE RES SYSTEM
FOR EXTERIOR ZONE LOCATION

WIND SPEED - 110 MPH
MEAN ROOF HEIGHT - 15'
EXPOSURE CATEGORY - B
OCCUPANCY FACTOR - 1.00

TC DEAD LOAD = 5.0 PSF
BC DEAD LOAD = 5.0 PSF

REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
1. TRUSSES MANUFACTURED BY -
Mayo Truss Co. Inc.

2. EMPIRICAL ANALOG IS USED.

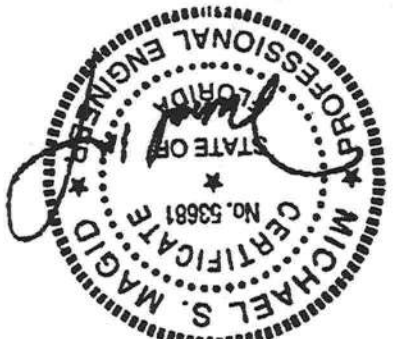
MEMBR CSI P (LBS) M@1ST M@2ND
TOP CHORDS

A-B 0.08 21 C -226 5
BOTTOM CHORDS

A-C 0.05 0 T -335 0
WEBS

C-B = 80 C

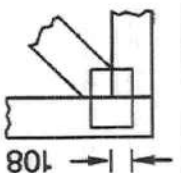
DL+LL DEFL = 0.01" IN A-B
LL DEFL > BRG-SPAN/240



Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108).

PLATE SIZE

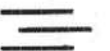


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.

LATERAL BRACING

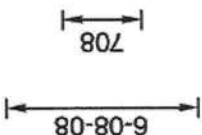
1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

PLATE ORIENTATION

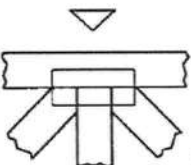


When shown, indicates direction of slots in connector plate.

DIMENSIONS



All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS LOCK connector plates (20 ga. galv. steel ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless shown otherwise by circles (o) or dimensions. No loose knots or wanes in plate contact area. Splice only where shown. Overall spans assume 4" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these designs are not applicable for use with fire retardant lumber. This design was prepared in accordance with "National Design Specifications for Stress - Grade Lumber and Its Fastenings" (AFPA), "Design Specifications for Light Metal Plate Connected Wood Trusses" (TPI), and HUD Design Criteria for

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF BUILDING DESIGNER TO REVIEW THIS DRWG. & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.

Trussed Rafter. Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to HIB-91 or BCSI 1-03 as published by the Truss Plate Institute, 583 D'Onofrio Drive, Suite 200, Madison, Wisconsin 53719. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.



CORPORATE HEADQUARTERS

P.O. Box 280055
Tampa, FL 33682-0055
800-282-1299 • Fax: 813-971-6117

Notice of Treatment 11819			
Applicator: Florida Pest Control & Chemical Co. (www.flapest.com) Address: <u>Bay Area</u> City: <u>LC</u> Phone: <u>752-1723</u>			
Site Location: Subdivision _____ Lot # _____ Block # <u>24003</u> Address: <u>561 SE Plant St</u>			
Product used ☐ Premise ☐ Termidor ☒ Bora-Care	Active Ingredient Imidacloprid Fipronil Disodium Octaborate Tetrahydrate	% Concentration 0.1% 0.12% 23.0%	
Type treatment: ☐ Soil ☒ Wood			
Area Treated <u>Driveway</u>	Square feet <u>2226</u>	Linear feet <u>662</u>	Gallons Applied <u>4</u>
As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.			
If this notice is for the final exterior treatment, initial this line _____.			
<u>2-14-06</u>	<u>1530</u>	<u>F254 Gummy</u>	Date Time Print Technician's Name
Remarks: _____			
Applicator - White		Permit File - Canary	
Permit Holder - Pink		1005 ©	

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 1-17-06

Permit #
24003

561 SE Plant St.

(Address of Treatment or Lot/Block of Treatment)

LAKE CITY, FL

City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)