DATE 05/10/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024492

APPLICANT JOSEPH ZAHLER PHONE 454-5274

ADDRESS 2053 SW US HIGHWAY 27 FT. WHITE FL 32038

OWNER JOSEPH ZAHLER PHONE 454-5274

ADDRESS 2053 SW US HIGHWAY 27 FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL ON 27, JUST PAST BONIFAY GLEN, ON LEFT

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 52000.00

HEATED FLOOR AREA 1040.00 TOTAL AREA 1338.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 14

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 19-7S-17-10026-018 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 3.10

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	06-036MD	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR HEIGHT LETTER RECEIVED, 8" ABOVE FINISHED GRADE, NOC ON FILE

Check # or Cash 1746

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 260.00 CERTIFICATION FEE $ 6.69 SURCHARGE FEE $ 6.69

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 348.38

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

*SEE BILL FREEMAN'S INfo — ENCLOSED

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605-75 Date Received 4/25/06 By LH Permit # 24492

Application Approved by - Zoning Official BLK Date 04.05.06 Plans Examiner OK JTH Date 6-9-06

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

Comments

Call to fax Same #

Applicants Name * JOSEPH J. ZAHLER Phone (386) 454-5274 *

Address 2053 S.W. U.S. HWY. 27 FT. WHITE, FL 32038

Owners Name * SAME Phone * SAME

911 Address * "

Contractors Name N/A Phone —

Address —

Fee Simple Owner Name & Address * SAME

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address FREEMAN DESIGN GROUP {BILL FREEMAN (386) 758-4209, 161 N. MADISON ST., #102, LAKE CITY, FL 32055}

Mortgage Lenders Name & Address N/A

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

Property ID Number 19-7S-17 10026-018 Estimated Cost of Construction $51,900

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions AT TRAFFIC light IN FT. WHITE (HWYS. 27 & 47) GO SE ON HWY. 27 5.2 MILES. JUST PAST BONIFAY GLEN (TOWARD HIGH SPGS) ON DRIVER'S LEFT.

Type of Construction CEMENT BLOCK & STUCCO Number of Existing Dwellings on Property ONE

Total Acreage 3.1 Lot Size IRREG Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 148' 5" Side 88' 7" Side 72' 6" Rear 382' 6"

Total Building Height 14' 6" Number of Stories ONE Heated Floor Area 1,040 sq' Roof Pitch 5-12

GARAGE 672 ... 711 ... TOTAL 1338

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

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

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

Joseph J. Zahler
Owner Builder or Agent (Including Contractor)

Contractor Signature
Contractors License Number ____
Competency Card Number ____
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 25 day of April 2006.

Personally known ____ or Produced Identification ✓

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Notary Signature

Freeman Design Group inc
Engineers • Planners

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

May 5, 2006

Columbia County Building and Zoning

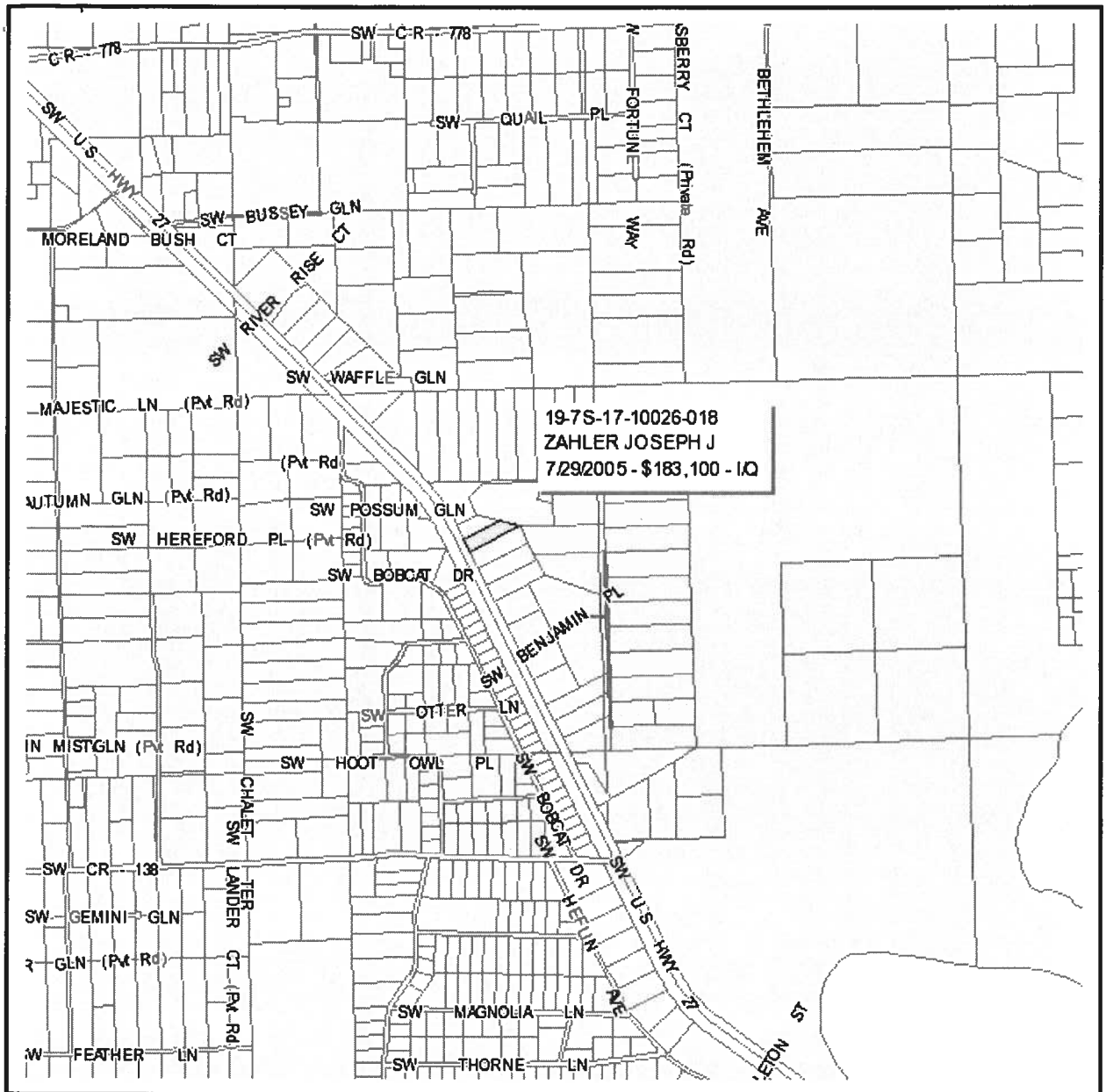
RE: Joe Zahler Residence **Permit # 0604-75**

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor 8" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

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



Columbia County Property Appraiser

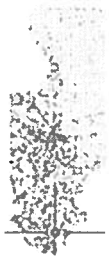
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 19-7S-17-10026-018 HX - SINGLE FAM (000100)

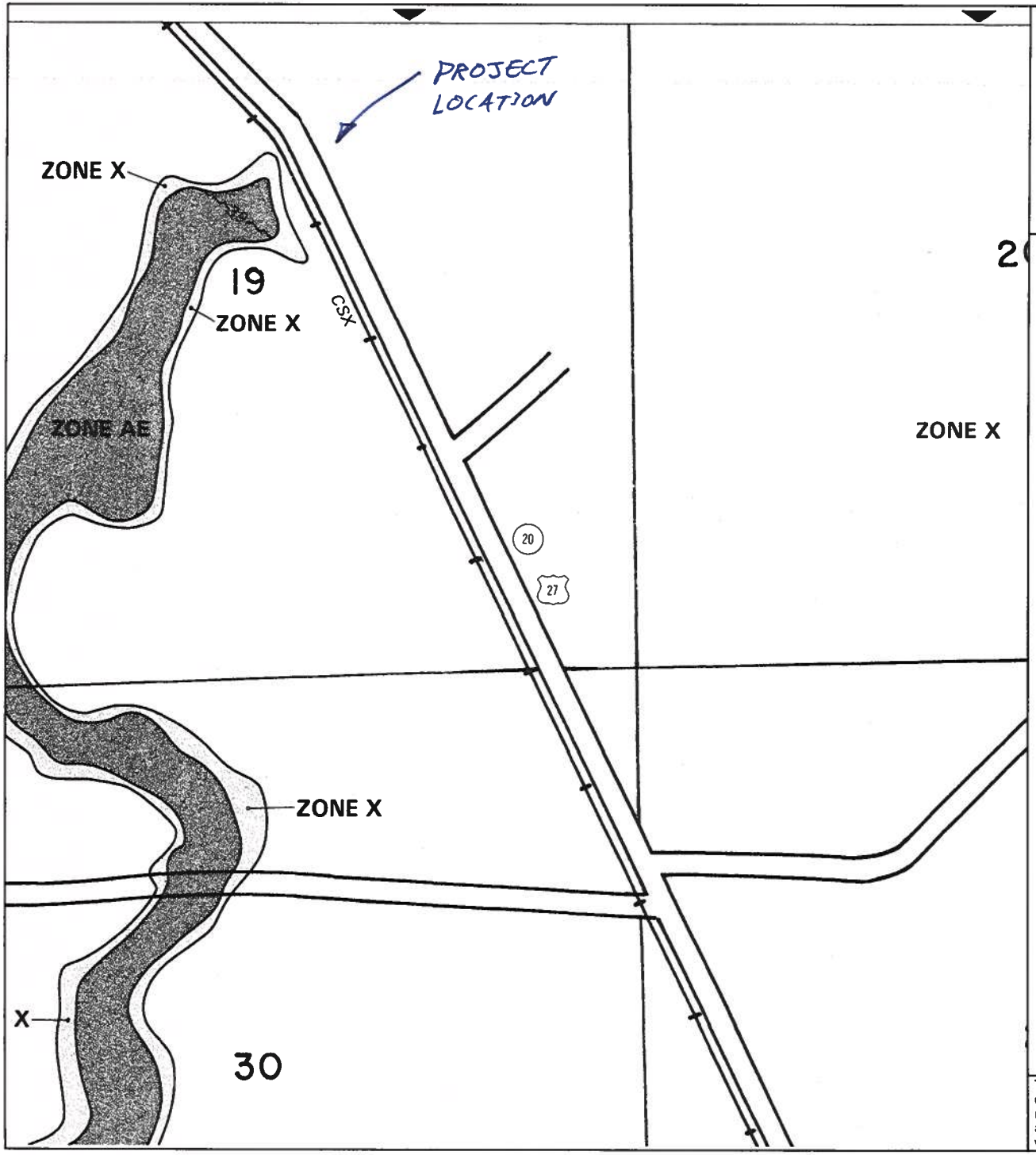
COMM SE COR, RUN W 515.46 FT TO E R/W US-27, N 26 DEG W ALONG R/W 3252.80 FT FOR POB,

Name:	ZAHLER JOSEPH J	LandVal	$34,100.00
Site:	SW US HWY 27	BldgVal	$134,233.00
Mail:	2053 SW US HWY 27	ApprVal	$170,956.00
	FORT WHITE, FL 32038	JustVal	$170,956.00
Sales Info	7/29/2005 $183,100.00 I / Q	Assd	$170,956.00
	3/30/2001 $100.00V / U	Exmpt	$25,000.00
	5/19/2000 $100.00V / U	Taxable	$145,956.00

0 0.1 0.2 0.3 mi



N W E S



N

APPROXIMATE SCALE IN FEET

1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

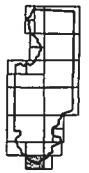
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 270 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0270 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

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

Print Date: 5/5/2006 (printed at scale and type A)

R

TX: 10026-018

PARCEL A-1 / 2.0 ACRES W/ HOUSE

This Instrument Prepared by & return to:
Name. ***KIM WATSON, an employee of TITLE OFFICES, LLC***
Address. ***1089 SW MAIN BLVD. LAKE CITY, FLORIDA 32025***
File No. 05Y-07068KW

Inst:2005019020 Date:08/08/2005 Time:16:20
Doc Stamp-Deed : 1281.70
DC,P.DeWitt Cason,Columbia County B:1054 P:1044

Parcel I D # ***10026-018 ~~A-019~~***

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the* ***29th*** *day of* ***July,*** *A.D.* ***2005.*** *by* ***RITZIE MARTINEZ*** widow ***AND EVELYN MARTINEZ,*** Single *hereinafter called the grantors, to* ***JOSEPH J. ZAHLER,*** *whose post office address is*
477 GEORGIA BLVD., SEBASTIAN, FL 32958

hereinafter called the grantee.

(Wherever used herein the terms "grantors" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: *That the grantors, for and in consideration of the sum of* $10.00 *and other valuable consideration receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in* ***Columbia County, State of FLORIDA,*** *viz:*

SEE EXHIBIT "A" ATTACHED AND MADE A PART HEREOF

Together *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

To Have and to Hold *the same in fee simple forever.*

And *the grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land; and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.*

In Witness Whereof, *the said grantors have signed and sealed these presents, the day and year first above written.*

Signed, sealed and delivered in the presence of:

Martha Bryan
Witness Signature
MARTHA BRYAN
Printed Name

Regina Simpkins
Witness Signature
Regina Simpkins
Printed Name

Ritzie Martinez L.S.
RITZIE MARTINEZ
Address:
2053 SW US HWY. 27, FORT WHITE, FLORIDA 32038

Evelyn Martinez L.S.
EVELYN MARTINEZ
Address:
2053 SW US HWY. 27, FORT WHITE, FLORIDA 32038

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this ***29th*** *day of* ***July, 2005*** *by* ***RITZIE MARTINEZ AND EVELYN MARTINEZ,*** *who are known to me or who have produced* D.L. ~~[illegible]~~ *as identification.*

Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Martha Bryan
Notary Public
My commission expires _____

05Y-07068KW

2.0 Acres

Exhibit A

PARCEL "A1"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27); THENCE N 26°36'17" W ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 26°36'17" W ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 191.00 FEET; THENCE N 62°11'22" E, 445.64 FEET; THENCE S 26°36'17" E, 200.55 FEET; THENCE S 63°25'03" W, 445.54 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH: A 15.0 FOOT WIDE EASEMENT FOR INGRESS AND EGRESS, LYING NORTHWEST OF THE FOLLOWING DESCRIBED LINE.
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W, ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27); THENCE N 26°36'17" W, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET TO THE POINT OF BEGINNING; THENCE N 63°25'03" E, ALONG THE SOUTHERLY LINE OF SAID EASEMENT FOR INGRESS AND EGRESS A DISTANCE OF 445.54 FEET TO THE TERMINUS POINT OF SAID EASEMENT FOR INGRESS AND EGRESS.

THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTOR.

Inst:2005019020 Date:08/08/2005 Time:16:20
Doc Stamp-Deed : 1281.70
DC,P.DeWitt Cason,Columbia County B:1054 P:1045

TX: R 10026-019
PARCEL A-2 / 1.2± ACRES

This Instrument Prepared by & return to:
Name: KIM WATSON, an employee of TITLE OFFICES, LLC
Address: 1089 SW MAIN BLVD. LAKE CITY, FLORIDA 32025
File No. 05Y-07068KW

Inst:2005019019 Date:08/08/2005 Time:16:20
Doc Stamp-Deed : 209.30
DC,P.DeWitt Cason,Columbia County B:1054 P:1042

Parcel I D #: 10026-[illegible] 019

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the 29th day of July, A.D. 2005, by* ***ARAMIS MARTINEZ,*** MARRIED, *hereinafter called the grantors, to* ***JOSEPH J. ZAHLER,*** SINGLE *whose post office address is* 477 GEORGIA BLVD., SEBASTIAN, FL 32958

hereinafter called the grantee:

(Wherever used herein the terms "grantors" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: *That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in* ***Columbia County, State of FLORIDA,*** *viz:*

SEE EXHIBIT "A" ATTACHED AND MADE A PART HEREOF

Together *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining*

To Have and to Hold *the same in fee simple forever.*

And *the grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.*

In Witness Whereof, *the said grantors have signed and sealed these presents, the day and year first above written*

Signed, sealed and delivered in the presence of:

Witness Signature
EDUVENA MARTINEZ
Printed Name

Witness Signature
EMMANUEL MARTINEZ
Printed Name

_____ L.S.
ARAMIS MARTINEZ
Address:
14 W. NARBETH, CALLINGWOOD, NJ 08108

_____ L.S.
Address:

STATE OF PENNSYLVANIA
COUNTY OF PHILA

The foregoing instrument was acknowledged before me this ***29th*** *day of* ***July, 2005,*** *by* ***ARAMIS MARTINEZ,*** *who are known to me or who have produced* DL _____ *as identification*

Notary Public
My commission expires 10/31/05

NOTARIAL SEAL
Margaret Schwartz, Notary Public
City of Phila., Philadelphia County
My Commission Expires Oct. 31, 2005

05Y-07068KW

Exhibit A

PARCEL "A2"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27); THENCE N 26°36'17" W ALONG THE SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET; THENCE N 63°25'03" E, A DISTANCE OF 445.54 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 63°25'03" E, 377.81 FEET; THENCE N 75°39'57" W, 310.88 FEET; THENCE S 62°11'22" W, 143.00 FEET; THENCE S 26°36'17" E, 200.55 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH: A 15.0 FOOT WIDE EASEMENT FOR INGRESS AND EGRESS, LYING NORTHWEST OF THE FOLLOWING DESCRIBED LINE.
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W, ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27); THENCE N 26°36'17" W, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET TO THE POINT OF BEGINNING; THENCE N 63°25'03" E, ALONG THE SOUTHERLY LINE OF SAID EASEMENT FOR INGRESS AND EGRESS A DISTANCE OF 445.54 FEET TO THE TERMINUS POINT OF SAID EASEMENT FOR INGRESS AND EGRESS.

THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTOR.

Inst:2005019019 Date:08/08/2005 Time:16:20
Doc Stamp-Deed : 209.30
DC,P.DeWitt Cason,Columbia County B:1054 P:1043

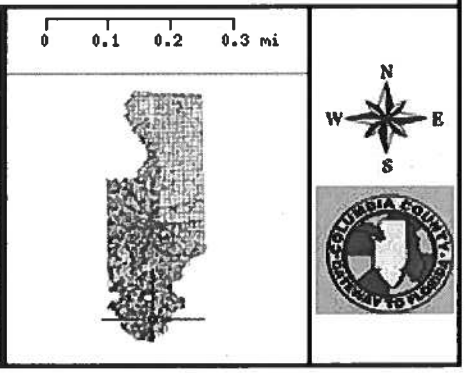
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 19-7S-17-10026-018 HX - SINGLE FAM (000100)

COMM SE COR, RUN W 515.46 FT TO E R/W US-27, N 26 DEG W ALONG R/W 3252.80 FT FOR POB,

Name:	ZAHLER JOSEPH J		LandVal	$34,100.00
Site:	SW US HWY 27		BldgVal	$134,233.00
Mail:	2053 SW US HWY 27 FORT WHITE, FL 32038		ApprVal	$170,956.00
			JustVal	$170,956.00
Sales Info	7/29/2005	$183,100.00 I / Q	Assd	$170,956.00
	3/30/2001	$100.00V / U	Exmpt	$25,000.00
	5/19/2000	$100.00V / U	Taxable	$145,956.00



This information, GIS Map Updated: 4/6/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

2006 Proposed Values

Parcel: 19-7S-17-10026-018 HX

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	ZAHLER JOSEPH J
Site Address	SW US HWY 27
Mailing Address	2053 SW US HWY 27 FORT WHITE, FL 32038
Brief Legal	COMM SE COR, RUN W 515.46 FT TO E R/W US-27, N 26 DEG W ALONG R/W 3252.80 FT FOR POB,

Use Desc. (code)	SINGLE FAM (000100)
Neighborhood	19717.03
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	3.100 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$34,100.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$134,233.00
XFOB Value	cnt: (3)	$2,623.00
Total Appraised Value		$170,956.00

Just Value		$170,956.00
Class Value		$0.00
Assessed Value		$170,956.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		$145,956.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
7/29/2005	1054/1044	WD	I	Q		$183,100.00
3/30/2001	923/1525	WD	V	U	01	$100.00
5/19/2000	903/1937	WD	V	U	01	$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2001	CB Stucco (17)	1854	2744	$134,233.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	2001	$1,500.00	1.000	0 x 0 x 0	(.00)
0166	CONC,PAVMT	2001	$723.00	482.000	0 x 0 x 0	(.00)
0296	SHED METAL	2001	$400.00	80.000	8 x 10 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	3.100 AC	1.00/1.00/1.00/1.00	$11,000.00	$34,100.00

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

1 of 1

STATE OF FLORIDA
DEPARTMENT OF HEALTH

MD

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0364MD

PART II - SITE PLAN

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

JOSEPH J. ZAHLER (OWNER)

SEE ATTACHED SURVEY

Notes: 4/8/2006

Site Plan submitted by: Joseph J. Zahler (Signature) OWNER (Title)

Plan Approved X Not Approved _____ Date 4/14/6

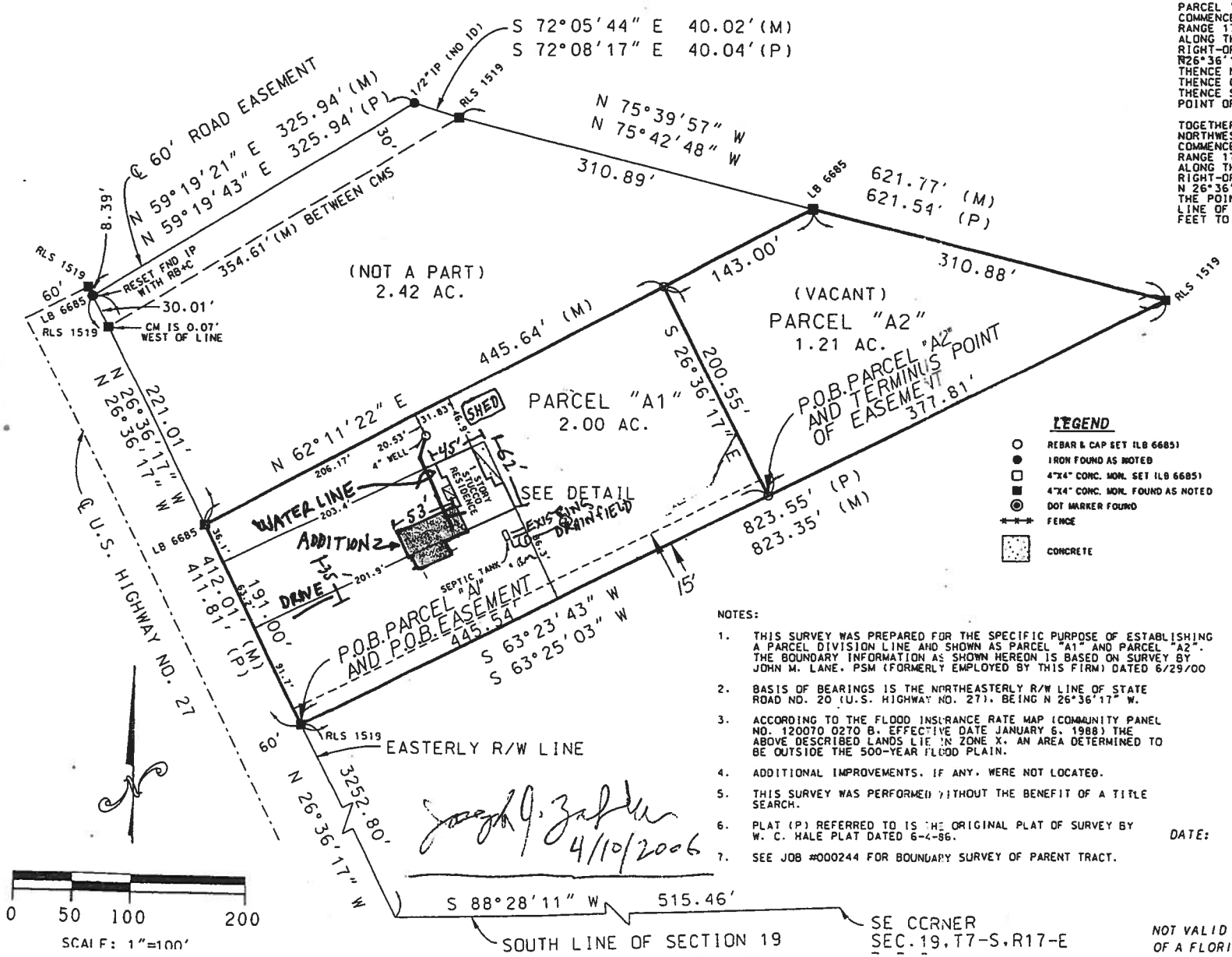
By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SPECIFIC PURPOSE BOUNDARY SURVEY
IN
THE S 1/2 OF NE 1/4 SECTION 19, T7-S, R17-E COLUMBIA COUNTY, FLORIDA

ABBREVIATIONS:

FND = FOUND	POB = POINT OF BEGINNING
℄ = CENTERLINE	POC = POINT OF COMMENCEMENT
P = PLAT	NO ID = NO IDENTIFICATION
D = DEED	R/W = RIGHT-OF-WAY
C = CALCULATED	PCP = PERMANENT CONTROL POINT
M = MEASURED	PRM = PERMANENT REFERENCE MONUMENT
O/S = OFFSET	CM = CONCRETE MONUMENT
IP = IRON PIPE	IR = IRON ROD
RB = REBAR	RB+C = REBAR & CAP
NL = NAIL	NL+D = NAIL & DISC



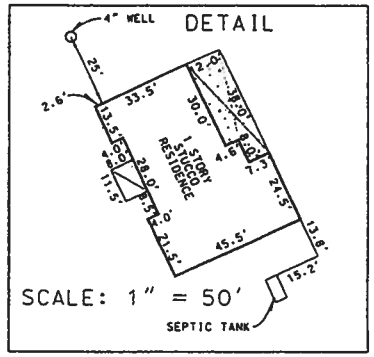
DESCRIPTION

PARCEL "A1"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 8 ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO TH RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 2 N 26°36'17" W ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 3252. THE POINT OF BEGINNING: THENCE CONTINUE N 26°36'17" W ALON EASTERLY RIGHT-OF-WAY LINE, 191.00 FEET: THENCE N 62°11'22 FEET: THENCE S 26°36'17" E, 200.55 FEET: THENCE S 63°25'03 445.54 FEET TO THE POINT OF BEGINNING. CONTAINING 2.00 AC OR LESS.

PARCEL "A2"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 8 ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO TH RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 2 N26°36'17" W ALONG THE SAID EASTERLY RIGHT-OF-WAY LINE, 32 THENCE N 63°25'03" E, A DISTANCE OF 445.54 FEET TO THE POI THENCE CONTINUE N 63°25'03" E, 377.81 FEET: THENCE N 75°39 THENCE S 62°11'22" W, 143.00 FEET: THENCE S 26°36'17" E, 2 POINT OF BEGINNING. CONTAINING 1.21 ACRES, MORE OR LESS.

TOGETHER WITH: A 15.0 FOOT WIDE EASEMENT FOR INGRESS AND E NORTHWEST OF WITH THE FOLLOWING DESCRIBED LINE.
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 8 ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO TH RIGHT-OF-WAY OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), T N 26°36'17" W, ALONG SAID EASTERLY RIGHT-OF-WAY LINE 3252. THE POINT OF BEGINNING: THENCE N 63°25'03" E, ALONG THE SO LINE OF SAID EASEMENT FOR INGRESS AND EGRESS A DISTANCE O FEET TO THE TERMINUS POINT OF SAID EASEMENT FOR INGRESS AN

LEGEND
- REBAR & CAP SET (LB 6685)
- IRON FOUND AS NOTED
- 4"X4" CONC. MON. SET (LB 6685)
- 4"X4" CONC. MON. FOUND AS NOTED
- DOT MARKER FOUND
- FENCE
- CONCRETE



NOTES:
1. THIS SURVEY WAS PREPARED FOR THE SPECIFIC PURPOSE OF ESTABLISHING A PARCEL DIVISION LINE AND SHOWN AS PARCEL "A1" AND PARCEL "A2". THE BOUNDARY INFORMATION AS SHOWN HEREON IS BASED ON SURVEY BY JOHN M. LANE, PSM (FORMERLY EMPLOYED BY THIS FIRM) DATED 6/29/00
2. BASIS OF BEARINGS IS THE NORTHEASTERLY R/W LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), BEING N 26°36'17" W.
3. ACCORDING TO THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL NO. 120070 0270 B, EFFECTIVE DATE JANUARY 6, 1988) THE ABOVE DESCRIBED LANDS LIE IN ZONE X, AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN.
4. ADDITIONAL IMPROVEMENTS, IF ANY, WERE NOT LOCATED.
5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE SEARCH.
6. PLAT (P) REFERRED TO IS THE ORIGINAL PLAT OF SURVEY BY W. C. HALE PLAT DATED 6-4-86.
7. SEE JOB #000244 FOR BOUNDARY SURVEY OF PARENT TRACT.

4/10/2006

CERTIFIED TO:
JOHN DUFF
EILEEN MARTINEZ
SUNTRUST BANK
ALACHUA COUNTY ABSTRACT

DATE: 07/12/01 SIGNED:

THOMAS E. DURI
FLORIDA CERT.
BAILEY BISHOP
LB 6685

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

******THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.******

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number R 10026 - 018/019 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
19-7S-17 0100/0100 1.90 ACRES comm SE COR, RUN W 515.46 ft. TO E R/W US-27, N 26 DEG W ALONG R/W 3252.80 ft. FOR POB, CONT NW ALONG R/W 191 ft., N 62 DEG E 588.63 ft., S 75 DEG E (SEE add'l ON TAX ROLL). ADDRESS: 2053 S.W. U.S. HWY. 27, FT. WHITE, FL 32038
2. **General description of improvement:** CONVERT EXIST. GARAGE TO GYM. ADD GAME ROOM. ADD 3-CAR GARAGE.
3. **Owner Name & Address** JOSEPH J. ZAHLER 2053 S.W. U.S. HWY 27 FT. WHITE, FL 32038 **Interest in Property** MY RESIDENCE
4. **Name & Address of Fee Simple Owner (if other than owner):** (NOT APPLICABLE) N/A
5. **Contractor Name** N/A
   Address —
   Inst:2006009982 Date:04/25/2006 Time:14:09
   DC,P.DeWitt Cason,Columbia County B:1081 P:1540
6. **Surety Holders Name** N/A
   Address —
   Amount of Bond N/A
7. **Lender Name** N/A (OWNER FINANCED) **Phone Number** —
   Address —
8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
   Name JOSEPH J. ZAHLER **Phone Number** 386-454-5274
   Address 2053 S.W. U.S. HWY 27 FT. WHITE, FL 32038
9. **In addition to himself/herself the owner designates** N/A **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
   (a) 7. Phone Number of the designee _____
10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, *(Unless a different date is specified)*** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Joseph J. Zahler
Signature of Owner

Sworn to (or affirmed) and subscribed before day of April 25, 20 06

NOTARY STAMP/SEAL

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

_____
Signature of Notary

DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

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

NEW CONSTRUCTION OR IMPROVEMENT

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

Joseph J. Zahler 4/6/2006
Signature Date

FOR BUILDING USE ONLY

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

Date_____ Building Official/Representative_____

NOTICE:

•Addition to existing home. N/A

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!

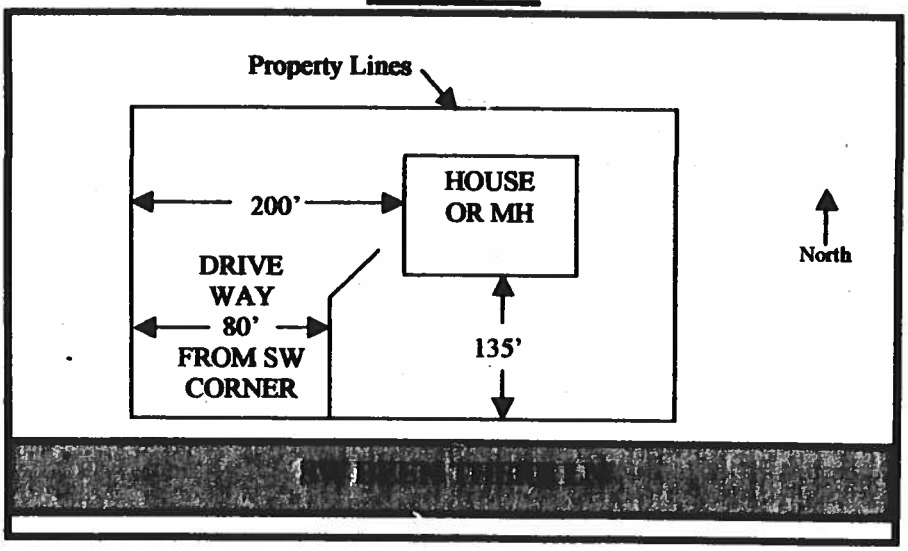
THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

PER JOE H. 2/2/06

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.

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Joe Zahler**	Builder:	**TBA**
Address:		Permitting Office:	**Columbia**
City, State:	,	Permit Number:	24492
Owner:	**Joe Zahler**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		Addition	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		711 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	186.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 171.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=13.0, 1374.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 711.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 18.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 18.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.26

Total as-built points: 10775

Total base points: 12202

PASS

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

PREPARED BY: William H Fine

DATE: 4/6/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	711.0	20.04	2564.7	Double, Clear	E	1.5	6.0	120.0	42.06	0.91	4607.1	
				Double, Clear	W	1.5	6.0	60.0	38.52	0.91	2111.2	
				Double, Clear	W	1.5	4.0	6.0	38.52	0.82	189.0	
				As-Built Total:				**186.0**			**6907.3**	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			13.0	1374.4	0.35		481.0	
Exterior	1374.4	1.70	2336.5									
Base Total:	**1374.4**		**2336.5**	**As-Built Total:**				**1374.4**			**481.0**	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				61.2	4.10		250.9	
Exterior	61.2	6.10	373.3									
Base Total:	**61.2**		**373.3**	**As-Built Total:**				**61.2**			**250.9**	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	711.0	1.73	1230.0	Under Attic			30.0	711.0	1.73 X 1.00		1230.0	
Base Total:	**711.0**		**1230.0**	**As-Built Total:**				**711.0**			**1230.0**	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	171.8(p)	-37.0	-6356.6	Slab-On-Grade Edge Insulation			0.0	171.8(p	-41.20		-7078.2	
Raised	0.0	0.00	0.0									
Base Total:			**-6356.6**	**As-Built Total:**				**171.8**			**-7078.2**	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	711.0	10.21	7259.3					711.0	10.21		7259.3	
Summer Base Points:			**7407.3**	**Summer As-Built Points:**								**9050.4**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points			
7407.3	**0.4266**	**3159.9**		9050.4 **9050.4**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**	2317.7 **2317.7**			

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	711.0	12.74	1630.5	Double, Clear	E	1.5	6.0	120.0	18.79	1.04	2335.2	
				Double, Clear	W	1.5	6.0	60.0	20.73	1.02	1272.9	
				Double, Clear	W	1.5	4.0	6.0	20.73	1.05	131.0	
				As-Built Total:				**186.0**			**3739.0**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			13.0	1374.4	2.72		3745.2	
Exterior	1374.4	3.70	5085.3									
Base Total:	**1374.4**		**5085.3**	**As-Built Total:**				**1374.4**			**3745.2**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				61.2	8.40		514.1	
Exterior	61.2	12.30	752.8									
Base Total:	**61.2**		**752.8**	**As-Built Total:**				**61.2**			**514.1**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X WCM	=	Points	
Under Attic	711.0	2.05	1457.5	Under Attic			30.0	711.0	2.05 X 1.00		1457.5	
Base Total:	**711.0**		**1457.5**	**As-Built Total:**				**711.0**			**1457.5**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	171.8(p)	8.9	1529.0	Slab-On-Grade Edge Insulation			0.0	171.8(p	18.80		3229.8	
Raised	0.0	0.00	0.0									
Base Total:			**1529.0**	**As-Built Total:**				**171.8**			**3229.8**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	711.0	-0.59	-419.5					711.0	-0.59		-419.5	
Winter Base Points:			**10035.6**	**Winter As-Built Points:**								**12266.2**
Total Winter Points	X System Multiplier	= Heating Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)		X System Multiplier	X Credit Multiplier	= Heating Points		
10035.6	**0.6274**	**6296.3**		12266.2 **12266.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**		0.426 **0.426**	0.950 **0.950**	5772.6 **5772.6**		

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
1		2746.00	2746.0	30.0	0.90	1	1.00	2684.98	1.00	2685.0	
				As-Built Total:						**2685.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
3160	**6296**	**2746**	**12202**	**2318**	**5773**	**2685**	**10775**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.9

The higher the score, the more efficient the home.

Joe Zahler, , , ,

1. New construction or existing		Addition	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		711 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	186.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 171.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=13.0, 1374.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 711.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 18.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 18.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-1824.*

Residential System Sizing Calculation

Summary

Joe Zahler

,

Project Title:
Joe Zahler

Code Only
Professional Version
Climate: North

4/4/2006

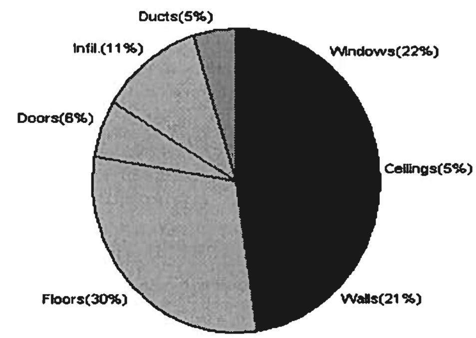
Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)

Winter design temperature	31	F	Summer design temperature		98	F
Winter setpoint	70	F	Summer setpoint		75	F
Winter temperature difference	39	F	Summer temperature difference		23	F
Total heating load calculation	**18084**	**Btuh**	**Total cooling load calculation**		**14034**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh	
Total (Electric Heat Pump)	99.5	18000	Sensible (SHR = 0.5)	74.2	9000	
Heat Pump + Auxiliary(0.0kW)	99.5	18000	Latent	473.4	9000	
			Total (Electric Heat Pump)	128.3	18000	

WINTER CALCULATIONS

Winter Heating Load (for 711 sqft)

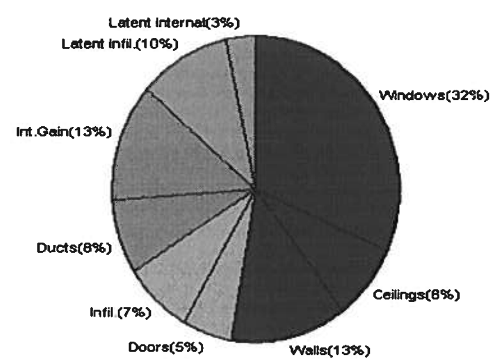
Load component			Load	
Window total	186	sqft	3999	Btuh
Wall total	1374	sqft	3711	Btuh
Door total	61	sqft	1122	Btuh
Ceiling total	711	sqft	924	Btuh
Floor total	172	ft	5429	Btuh
Infiltration	47	cfm	2038	Btuh
Subtotal			**17222**	**Btuh**
Duct loss			861	Btuh
TOTAL HEAT LOSS			**18084**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 711 sqft)

Load component			Load	
Window total	186	sqft	4464	Btuh
Wall total	1374	sqft	1842	Btuh
Door total	61	sqft	764	Btuh
Ceiling total	711	sqft	1109	Btuh
Floor total			0	Btuh
Infiltration	42	cfm	1051	Btuh
Internal gain			1800	Btuh
Subtotal(sensible)			**11030**	**Btuh**
Duct gain			1103	Btuh
Total sensible gain			**12133**	**Btuh**
Latent gain(infiltration)			1441	Btuh
Latent gain(internal)			460	Btuh
Total latent gain			**1901**	**Btuh**
TOTAL HEAT GAIN			**14034**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Walter A. [signature]
DATE: 4/6/06

EnergyGauge® FLRCPB v3.30

System Sizing Calculations - Winter

Residential Load - Component Details

Joe Zahler

Project Title:
Joe Zahler

Code Only
Professional Version
Climate: North

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

4/4/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	120.0	21.5	2580 Btuh
2	2, Clear, Wood, DEF	S	60.0	21.5	1290 Btuh
3	2, Clear, Wood, DEF	S	6.0	21.5	129 Btuh
	Window Total		186		3999 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	13.0	1374	2.7	3711 Btuh
	Wall Total		1374		3711 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		61	18.3	1122 Btuh
	Door Total		61		1122Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	711	1.3	924 Btuh
	Ceiling Total		711		924Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	171.8 ft(p)	31.6	5429 Btuh
	Floor Total		172		5429 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	7110(sqft)	47	2038 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			47	2038 Btuh

Totals for Heating	**Subtotal**	**17222 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**861 Btuh**
	Total Btuh Loss	**18084 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Joe Zahler

Project Title:
Joe Zahler

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 4/4/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	6	120.0	0.0	120.0	24	24	2880	Btuh
2	2, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	24	39	1440	Btuh
3	2, Clear, DEF, N, N	S	1.5	4	6.0	6.0	0.0	24	39	144	Btuh
	Window Total				186					4464	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Concrete - Exterior	13.0	1374.4	1.3	1842	Btuh
	Wall Total		1374.4		1842	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	61.2	12.5	764	Btuh
	Door Total	61.2		764	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	711.0	1.6	1109	Btuh
	Ceiling Total		711.0		1109	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	171.8 ft(p)	0.0	0	Btuh
	Floor Total		171.8		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	7110	41.6	1051	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			42	1051	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		2	X	300	+	1200	1800	Btuh

Totals for Cooling	**Subtotal**	**11030**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1103**	**Btuh**
	Total sensible gain	**12133**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**1441**	**Btuh**
	Latent occupant gain (2 people @ 230 Btuh per person)	**460**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**14034**	**Btuh**

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

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0604-75
Joseph J Zahler Owner/Builder

On the date of May 1, 2006 application 0604-74 and plans for construction of an addition on an existing single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0604-75 when making reference to this application.

1. Parcel # 19-7s-17-10026-018 & 019 which is located on 2053 US Highway 27.

As per a survey by Bailey, Bishop & Lane Inc. Per note 3 the Flood Insurance Rate Map Columbia County Florida Panel Number 270 this parcel is within a flood zone "X" area. The Columbia County Board of Commissioners adopted Ordinance number 2003-23 which relates to all parcels within Columbia County. A summary of this ordinance is standards for residential, commercial and

industrial construction. New construction or substantial improvement of any residential, commercial or industrial structure that is not located within a designated flood zone as shown in the County's Flood Insurance Rate Map shall have the lowest finished floor, or for wood floor construction, the bottom of the floor joist elevated no lower than one (1) foot above adjacent paved or unpaved road, or paved or unpaved access easement. Exempt structures are:

1. Residential, commercial or industrial structures with Certification by a Florida registered professional engineer as to the proper height or requirements for the protection of the structure against water damage; or
2. Any accessory structure not used for human habitation (i.e. detached garage, barn, storage shed, airplane hanger, etc. See Section 2.1 Definitions)

PLEASE NOTE

Owner or developer may be required to furnish elevation certification as to compliance with this section by a licensed surveyor if in the opinion of the Land Development Regulation Administrator or his designee that such certification is necessary.

Please provide a elevation certification that the addition on to the existing single family dwelling will comply with the requirements of Ordinance number 2003-23.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL FORM

To:
Name: Joseph Zahler
CC: Building permit application 0604-75
Phone: (386) 454-5274
Fax: (386) 454-5274

From:
Date Sent: 05/01/06
Number of Pages: Three

Message: Reference to a building permit application Number: 0604-75

Freeman Design Group inc
Engineers • Planners

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

Thursday, April 6, 2006

Columbia County Building Dept.
Lake City, FL. 32055

RE: Joe Zahler Residence

To Whom It May Concern:

I have inspected the existing residence for Mr. Zahler and certify that the foundation structure, the masonry wall structure, and roof truss framing have been installed per FBC 2004 edition. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman

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

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑ BILL FREEMAN - ENGINEER	☐	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.
☑ BILL F.	☐	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. SURVEY INCLUDED
☑ BILL F.	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑ BILL F.	☐	a) All sides
☑	☐	b) Roof pitch 5-12
☑	☐	c) Overhang dimensions and detail with attic ventilation 2 feet OVERHANGS, RIDGE VENT & VENT DUCT.

☑	BILL F.	☐	d) Location, size and height above roof of chimneys. NONE
☑	"	☐	e) Location and size of skylights NONE
☑	"	☐	f) Building height 14' 6"
☑	"	☐	e) Number of stories ONE
			Floor Plan including:
☑	"	☐	a) Rooms labeled and dimensioned.
☑	"	☐	b) Shear walls identified.
☑	"	☐	c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☑	"	☐	d) Show safety glazing of glass, where required by code. 140 MPH WINDOWS
☑	"	☐	e) Identify egress windows in bedrooms, and size. NO BEDROOMS
☑	"	☐	f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).** NO FIREPLACE
☑	"	☐	g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails. NONE
☑	"	☐	h) Must show and identify accessibility requirements (accessible bathroom) 30" DOOR →
			Foundation Plan including:
☑	"	☐	a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑	"	☐	b) All posts and/or column footing including size and reinforcing
☑	"	☐	c) Any special support required by soil analysis such as piling
☑	"	☐	d) Location of any vertical steel.
			Roof System:
☑		☐	a) Truss package including: 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng. 2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
☑		☐	b) Conventional Framing Layout including: 1. Rafter size, species and spacing 2. Attachment to wall and uplift 3. Ridge beam sized and valley framing and support details 4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
			Wall Sections including:
☑		☐	a) Masonry wall 1. All materials making up wall 2. Block size and mortar type with size and spacing of reinforcement 3. Lintel, tie-beam sizes and reinforcement 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans. 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating) 7. Fire resistant construction (if required) 8. Fireproofing requirements 9. Shoe type of termite treatment (termiticide or alternative method) 10. Slab on grade a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports 11. Indicate where pressure treated wood will be placed 12. Provide insulation R value for the following:

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

☑ ☐ b) Wood frame wall

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

☐ ☐ N/A 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
☐ ☐ N/A g) Arc Fault Circuits (AFCI) in bedrooms (NO BEDROOMS)
☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)
☑ ☐ b) Manual J sizing equipment or equivalent computation
☐ ☐ N/A c) Gas System Type (LP or Natural) Location and BTU demand of equipment (ELECTRIC)
☑ ☐ **Disclosure Statement for Owner Builders**
☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done
☑ ☐ **Private Potable Water** (FROM EXISTING HOUSE/WELL)

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

} SAME WATER PUMP USED BY EXISTING HOUSE BUILT IN OCT., 2000.

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS
(ADDITION TO: 2053 SW US HWY 27 FT WHITE, FL 32038)

✓ 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. 19-7S-17 0100/0100
COPY OF DEED INCLUDED. R 10026-018/019

(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)**

N/A 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**

ADDITION TO EXIST. HOME BUILT 10/2000

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

EXISTING HOUSE HAS DRIVEWAY

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

N/A PER JOE HALTIWANGER (MAIN RESIDENCE ALREADY EXISTS).

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

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

In Swing

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

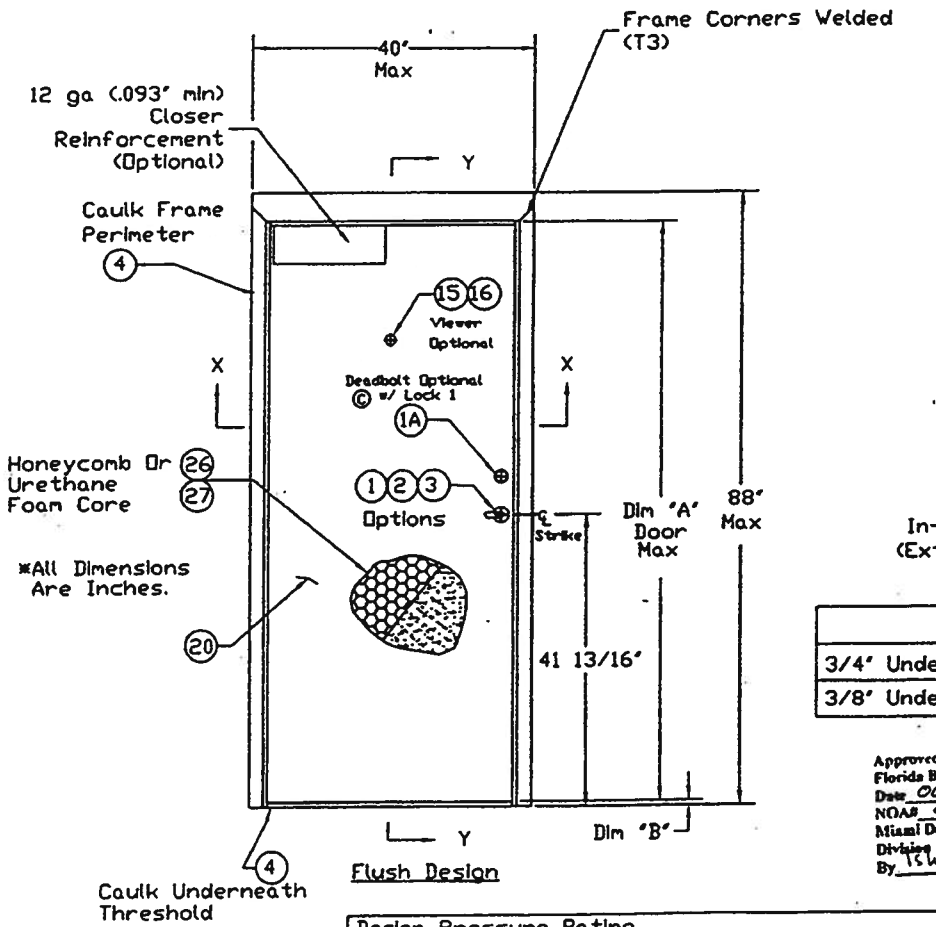
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

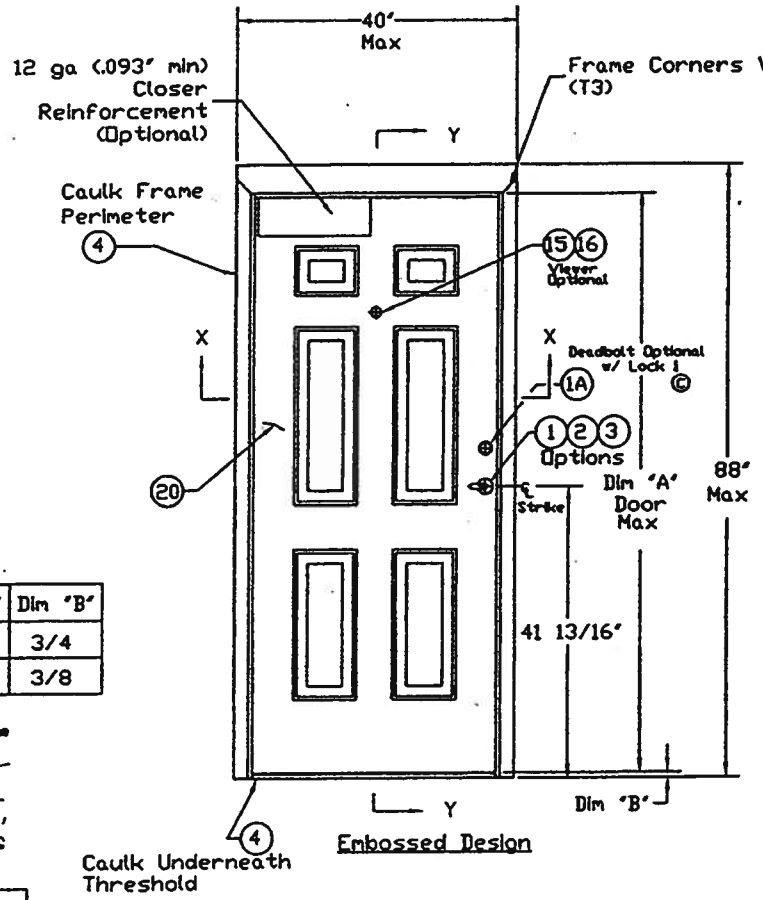
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this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

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

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

PRODUCT CONTROL ACCEPTED





In-Swing Door (Exterior View)

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

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

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

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

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

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

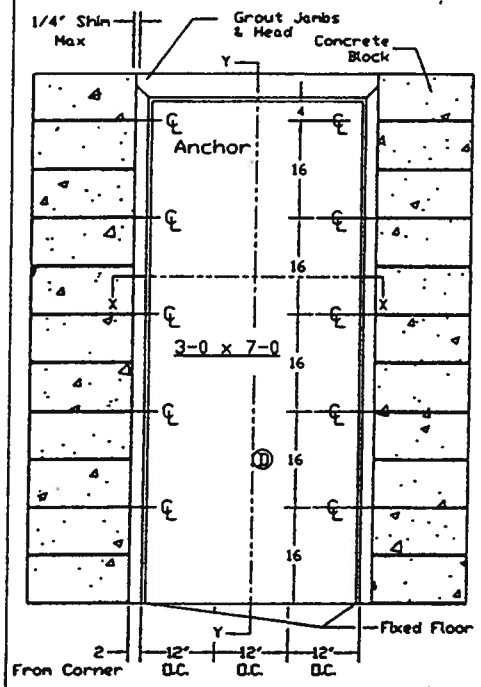
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

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

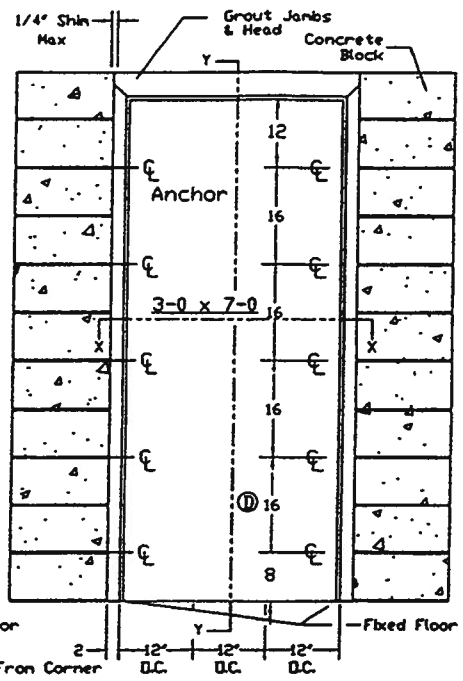
Masonry 'T' Anchor

Min. 3500 PSI



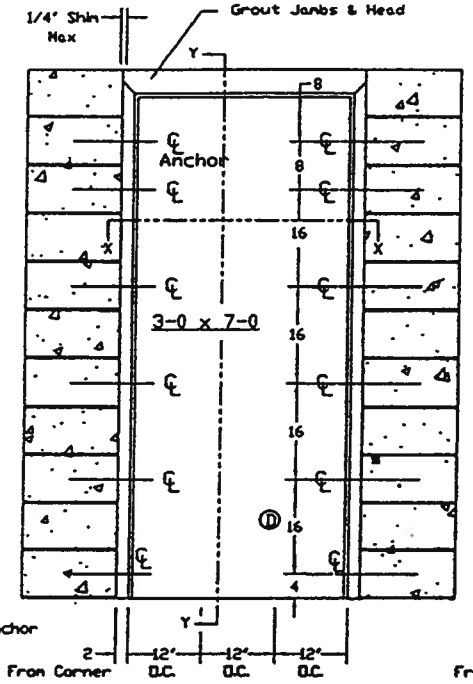
Masonry Wire Anchor

Min. 3500 PSI

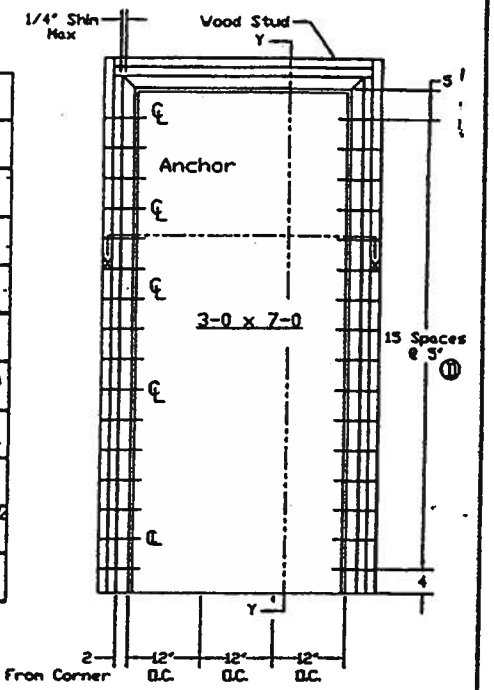


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

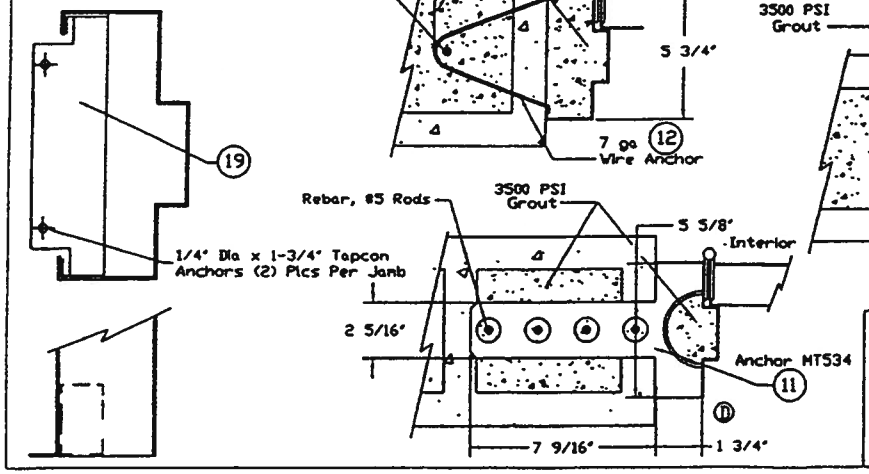


Existing Opening Anchor Into Wood Stud



*All Dimensions Are Inches

Installation Details Hinge Jambs / Lock Jambs



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

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

MATERIAL SPECIFICATIONS:

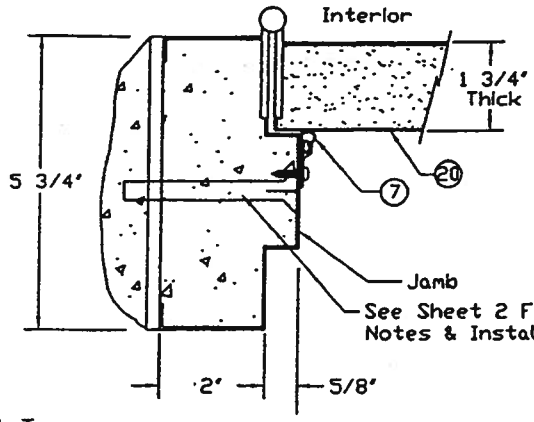
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

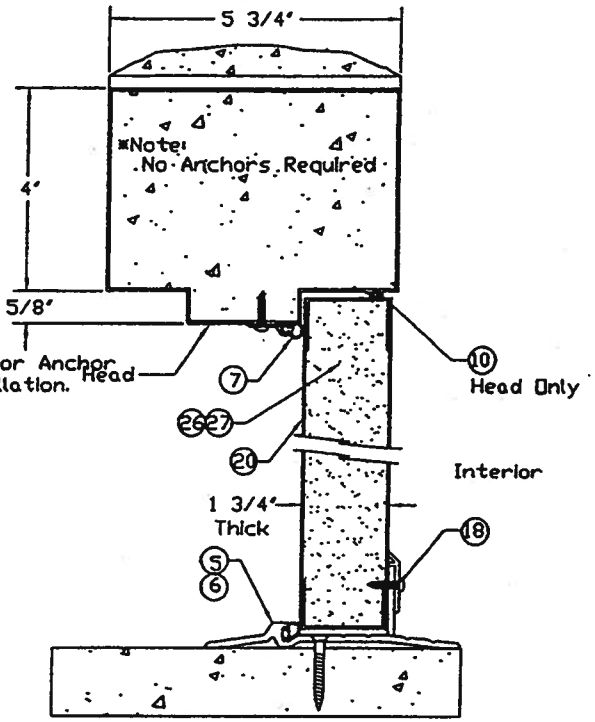
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/22/02

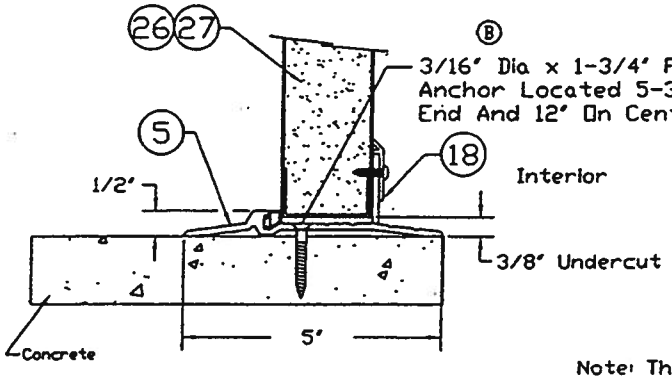
DRAWING NUMBER: RD0728

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





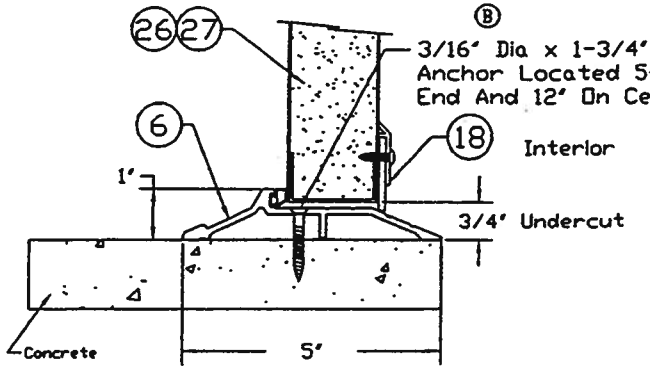
Section Y-Y



Threshold: Pemko 2005AV

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold: Pemko 181AV

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

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

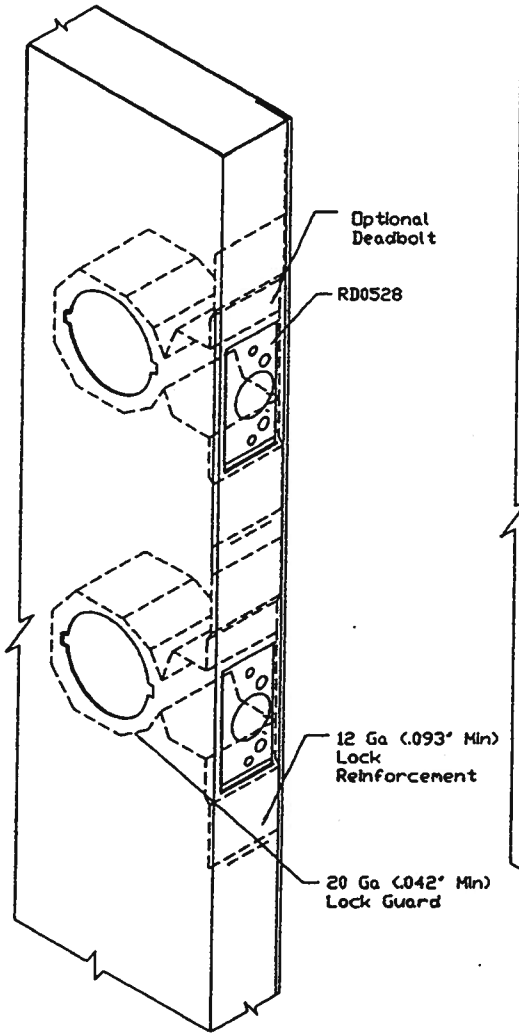
MATERIAL SPECIFICATIONS:

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

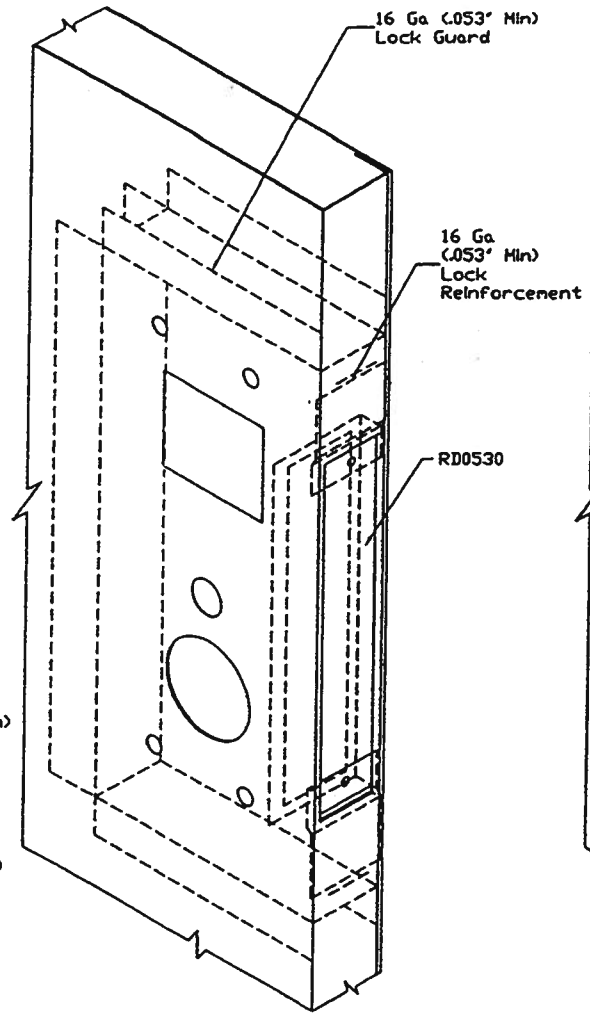
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/22/02

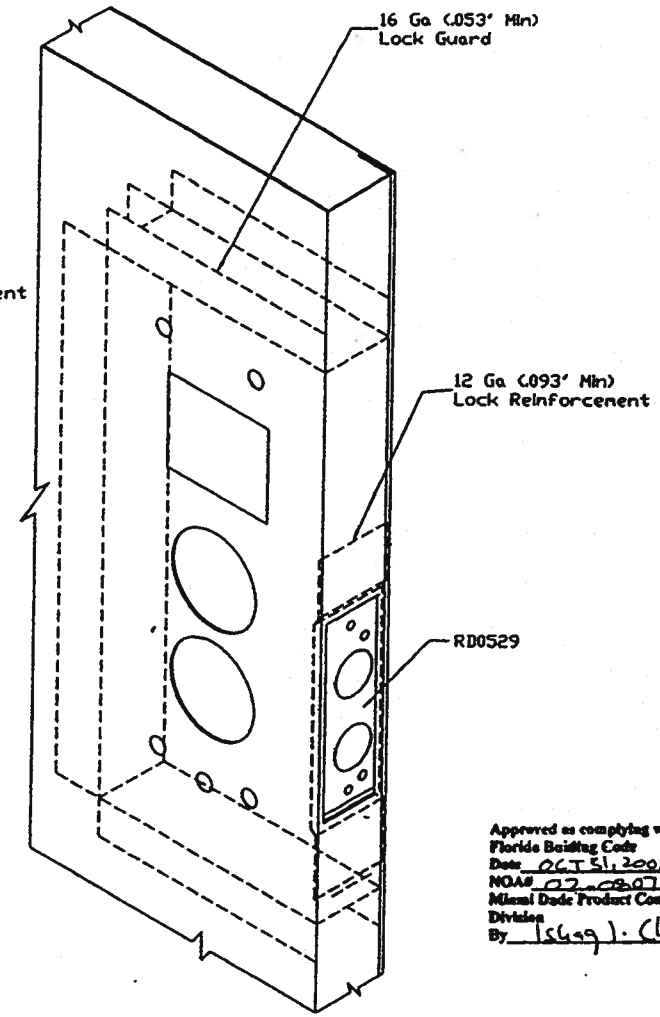
RD0728
Sheet 3 Of 9



Schlage AL53PD



Saflok MT



Saflok Premier SL2500

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

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

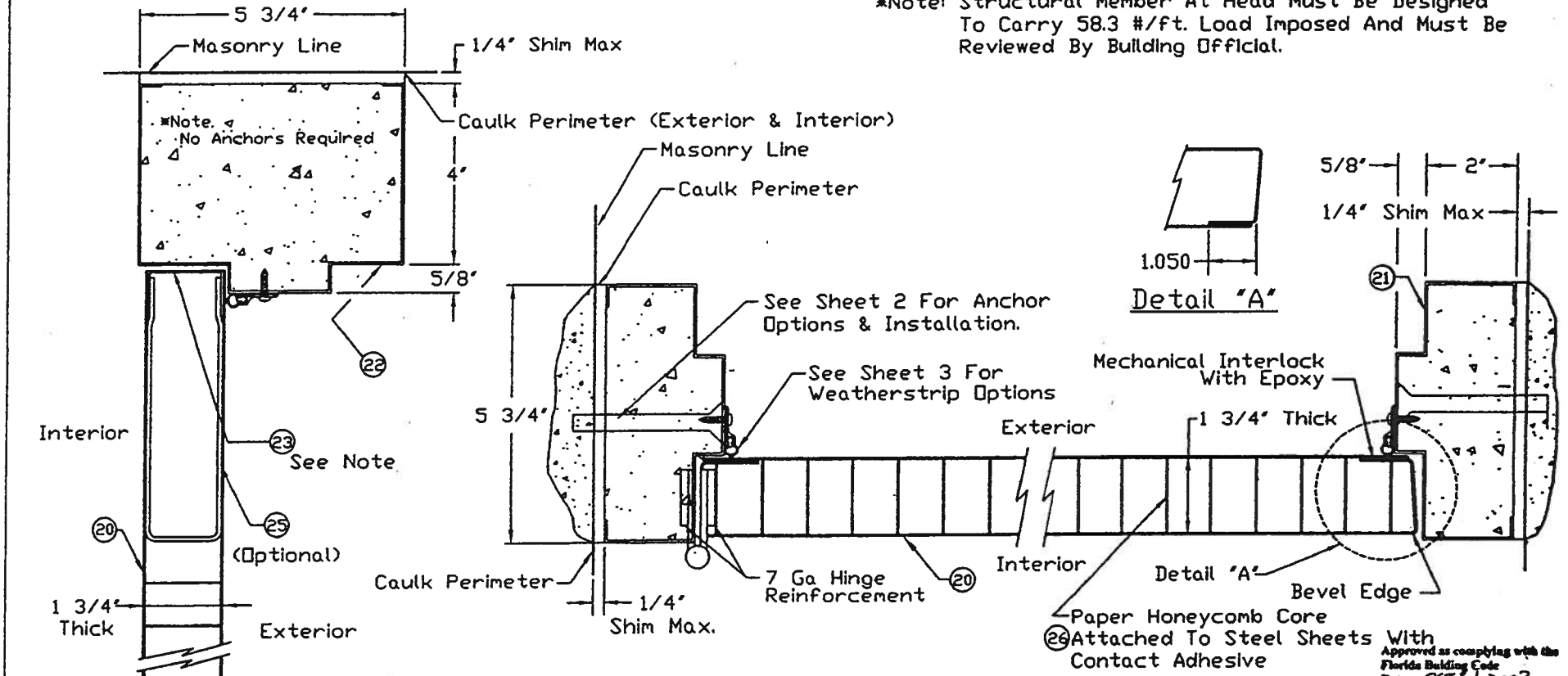
MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/28/02
DRAWING NUMBER: RD0728
Sheet 4 of 9

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



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

Approved as complying with the Florida Building Code
Date 0CT31,2002
NOA# 02-0307.04
Miami Dade Product Control Division
By Ishaq I. Chanda

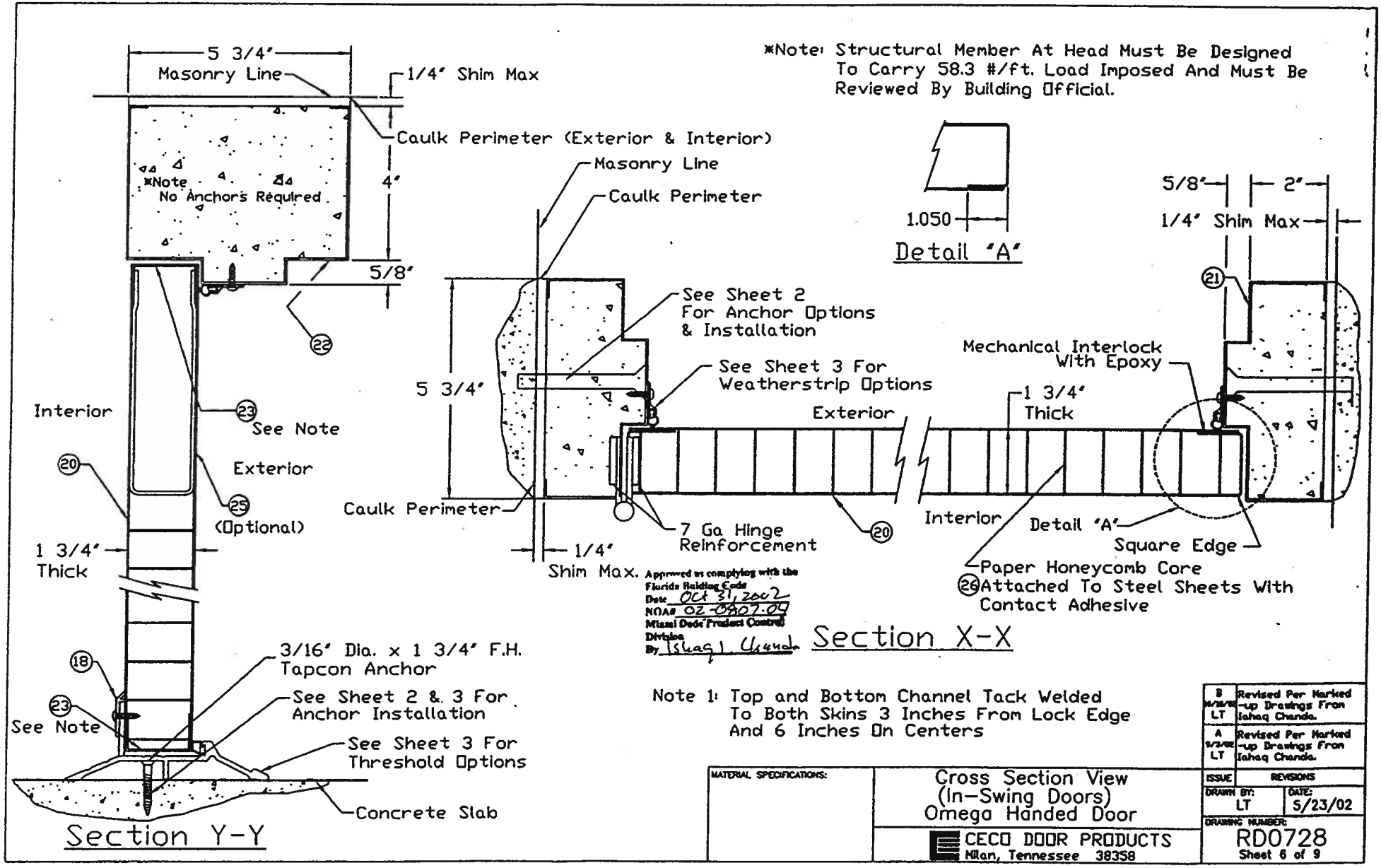
C 10/28/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.	
B 9/26/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.	
ISSUE	REVISIONS	
DRAWN BY: LT	DATE: 5/22/02	

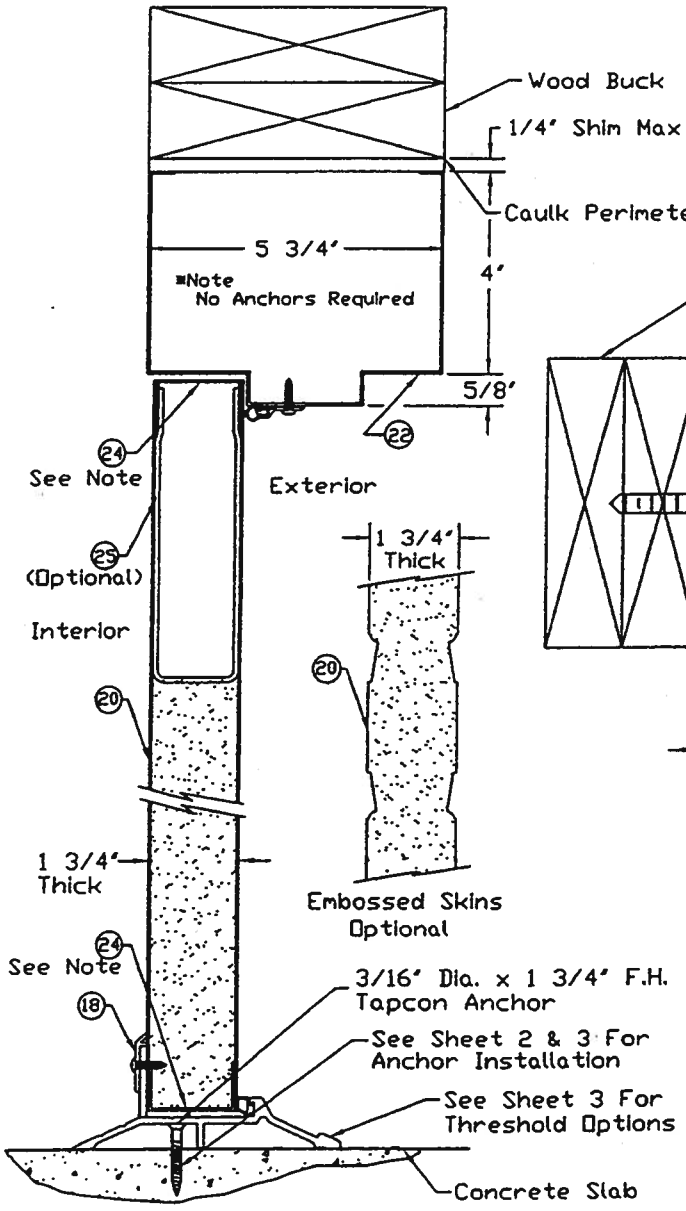
MATERIAL SPECIFICATIONS:

Cross Section View (Inswing Doors) Regent Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

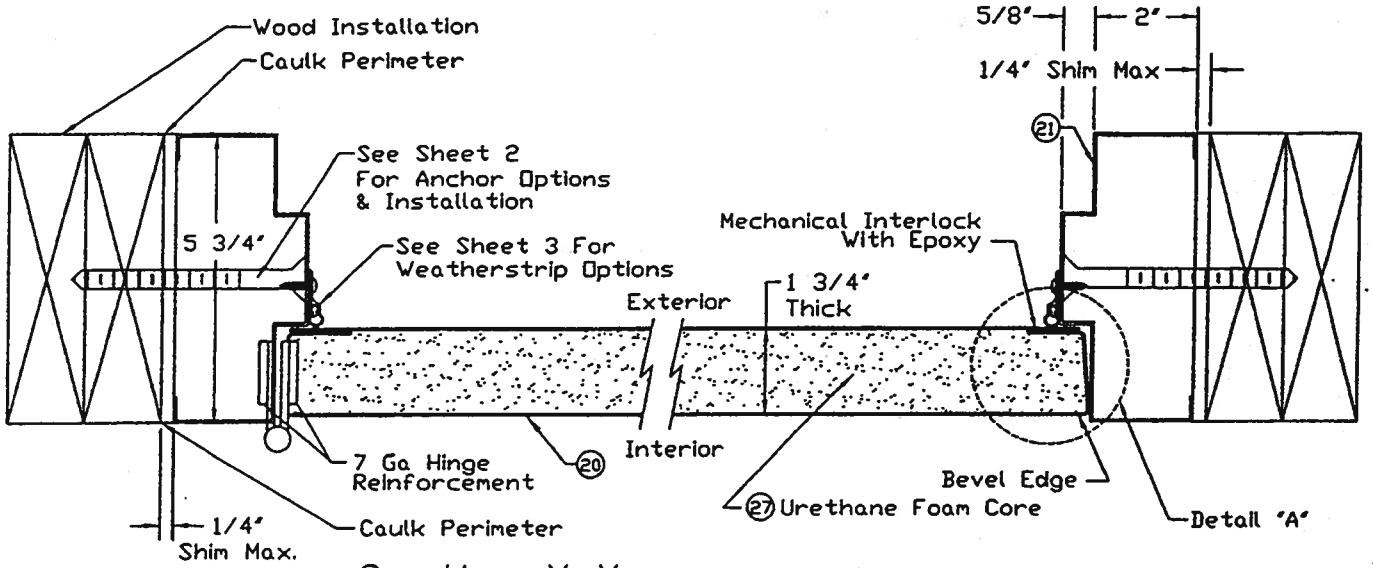
DRAWING NUMBER: RD0728
Sheet 5 of 9


5 3/4"
Masonry Line
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
*Note
No Anchors Required
4"
5/8"
22
Interior
23
See Note
Exterior
20
25
(Optional)
1 3/4"
Thick
18
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
23
See Note
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
Section Y-Y
*Note: Structural Member At Head Must Be Designed
To Carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
Masonry Line
Caulk Perimeter
5 3/4"
See Sheet 2
For Anchor Options
& Installation
See Sheet 3 For
Weatherstrip Options
Exterior
Caulk Perimeter
7 Ga Hinge
Reinforcement
20
1/4"
Shim Max.
Approved as complying with the
Florida Building Code
Date Oct 31, 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq Unanda
Section X-X
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Interior
Detail "A"
Square Edge
Paper Honeycomb Core
26
Attached To Steel Sheets With
Contact Adhesive
Note 1: Top and Bottom Channel Tack Welded
To Both Skins 3 Inches From Lock Edge
And 6 Inches On Centers
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Omega Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358
B 11/25/02 LT
Revised Per Marked-up Drawings From Ishaq Chanda.
A 9/3/02 LT
Revised Per Marked-up Drawings From Ishaq Chanda.
ISSUE
REVISIONS
DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER:
RD0728
Sheet 6 of 9



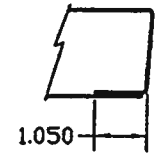
Section Y-Y

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



Section X-X

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



Detail "A"

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

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

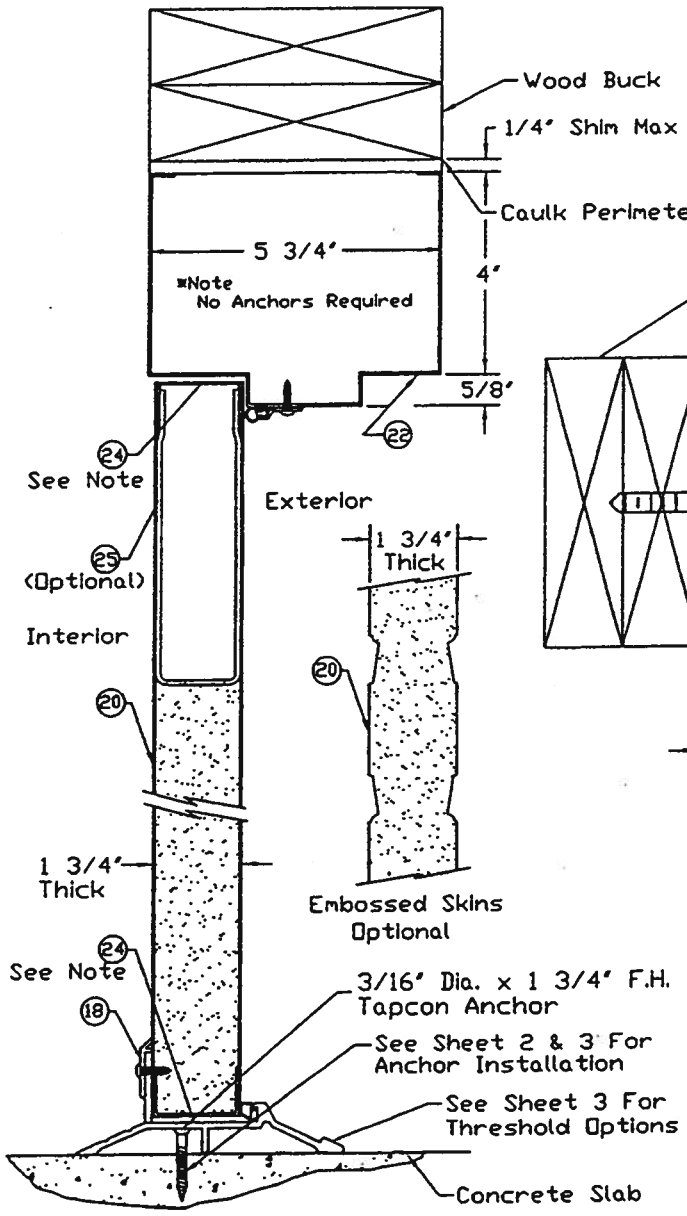
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02

DRAWING NUMBER: RD0728
Sheet 7 of 9

MATERIAL SPECIFICATIONS:

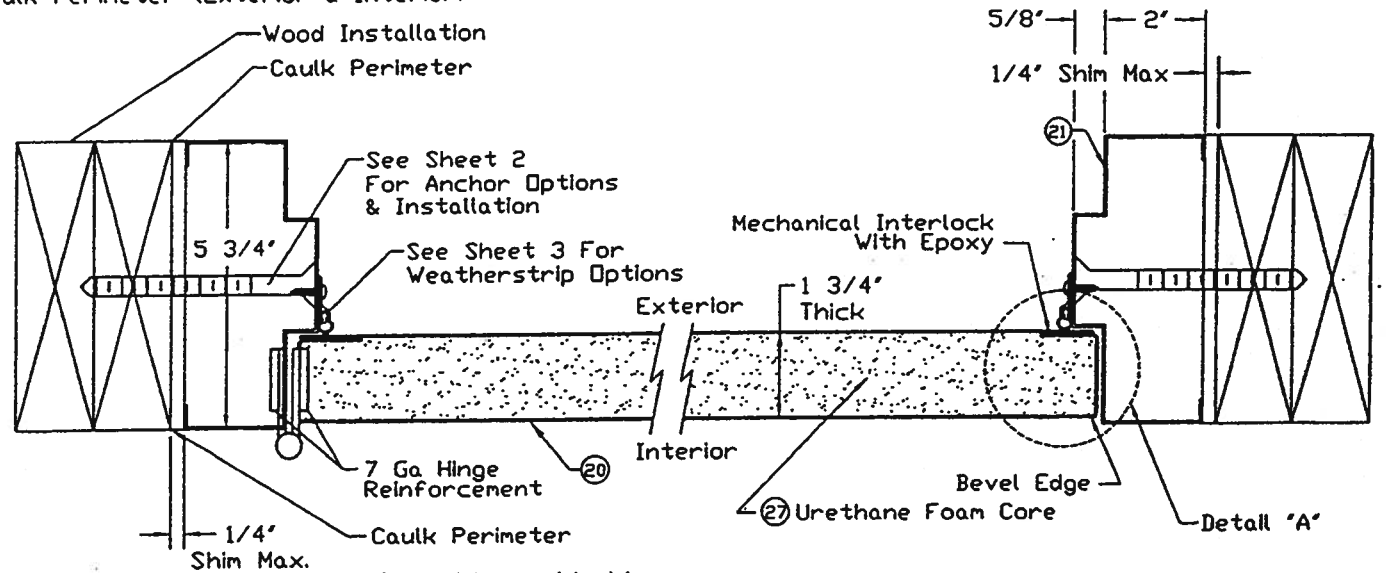
Cross Section View
(In-Swing Doors)
Imperial Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358



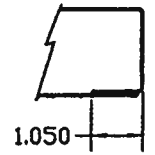
Section Y-Y

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



Section X-X

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



Detail "A"

Approved as complying with the Florida Building Code
Date OCT 21, 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq I. Chanda

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

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

DRAWING NUMBER: RD0728
Sheet 8 of 9

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

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

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

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

outswing

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

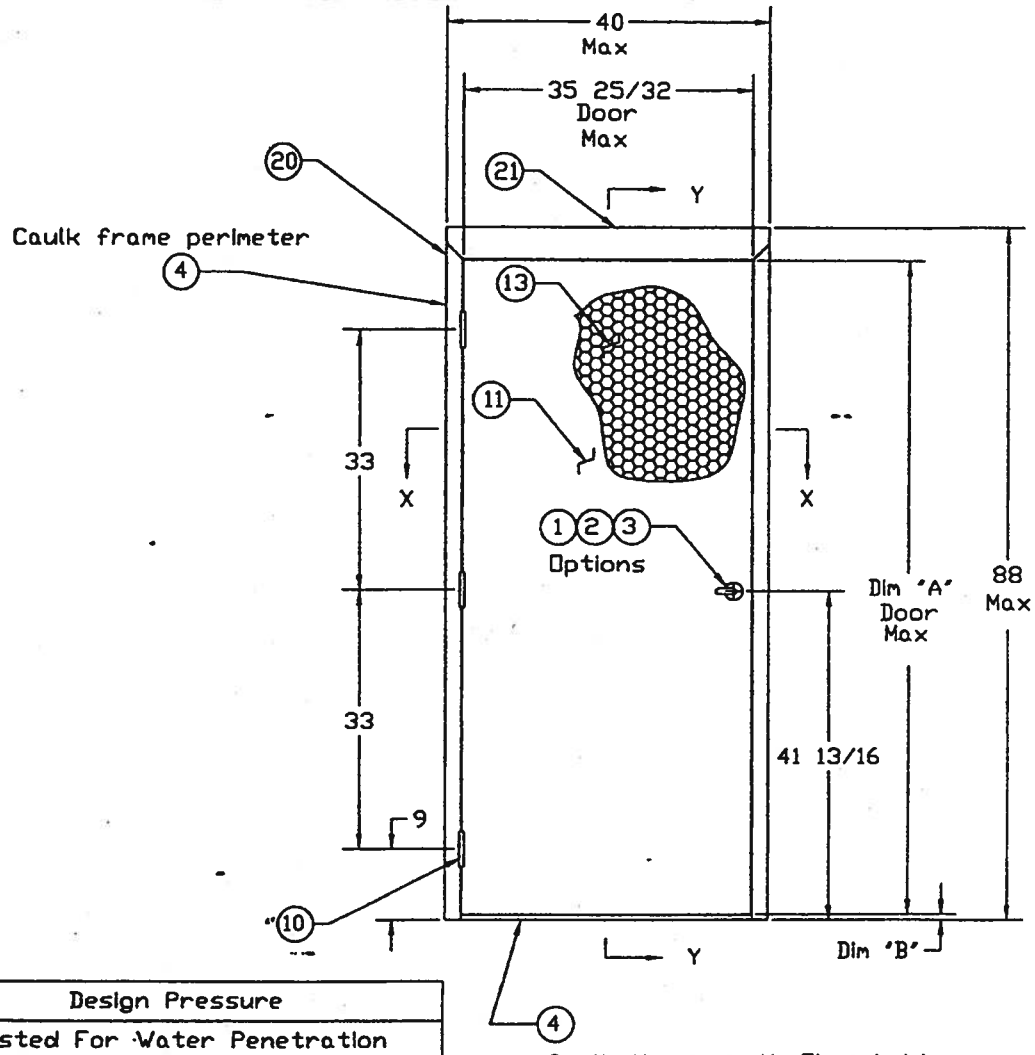
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this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

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

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

This NOA **renews NOA # 00-0315.03** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED



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

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

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

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

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

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

MATERIAL SPECIFICATIONS:

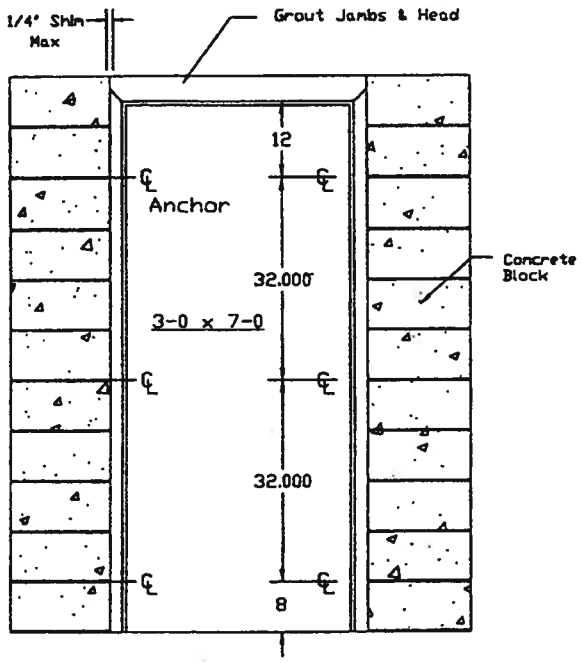
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series Elevation Drawing

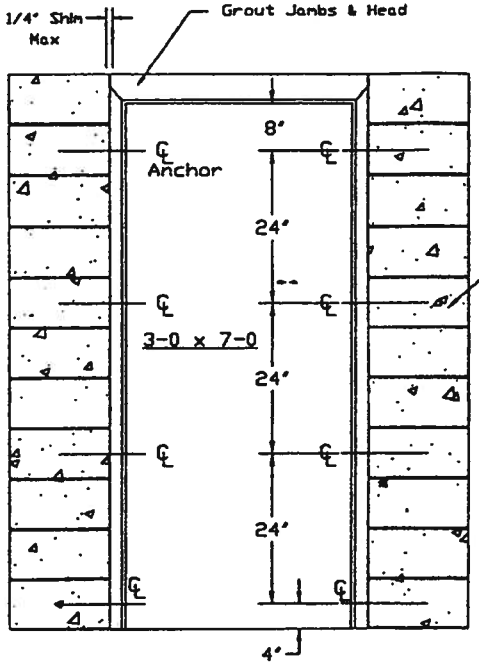
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

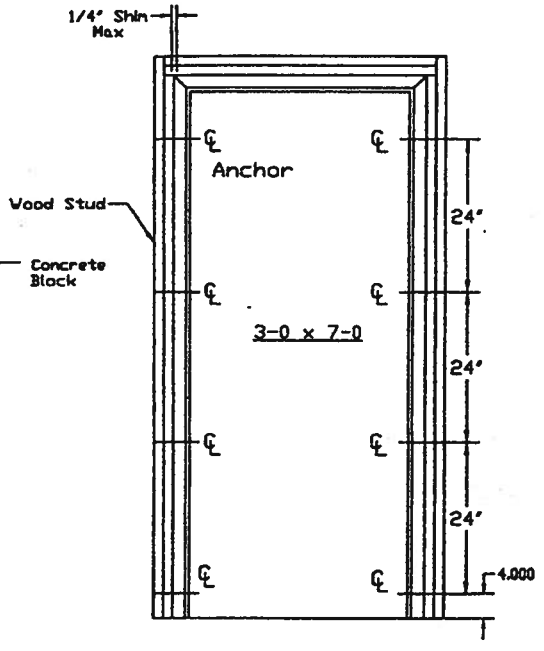
DRAWING NUMBER:
RD0087
Sheet 1 Of 7



Masonry "T" Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud

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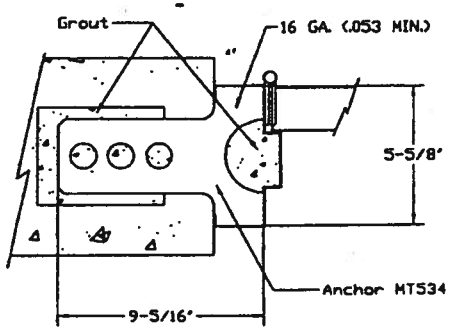
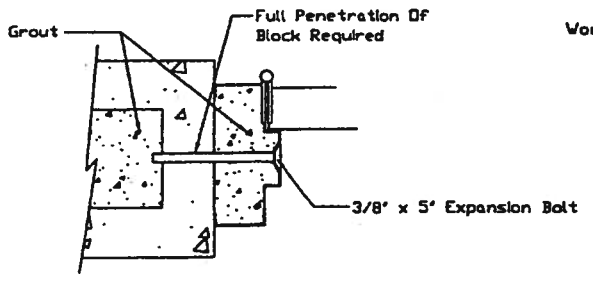
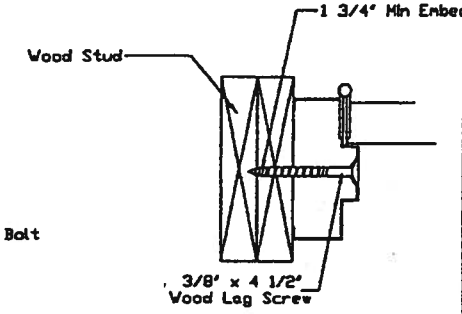
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division







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

NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

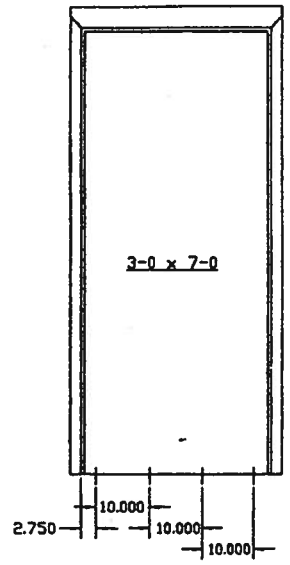
MATERIAL SPECIFICATIONS:

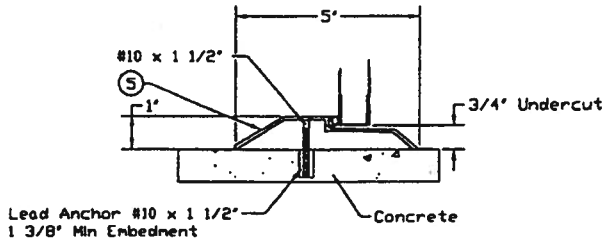
Frame Anchor Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

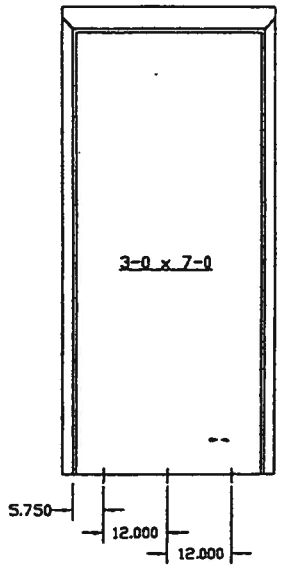
ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

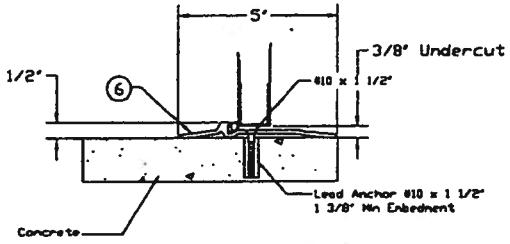
DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 2 of 7



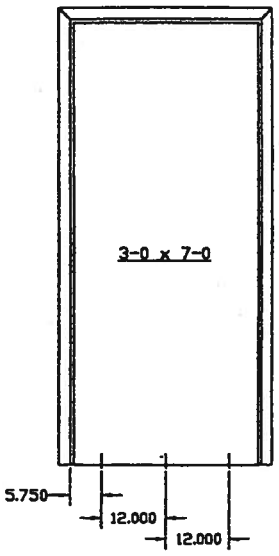


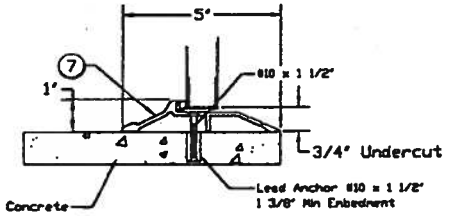
Threshold: National Guard 803S





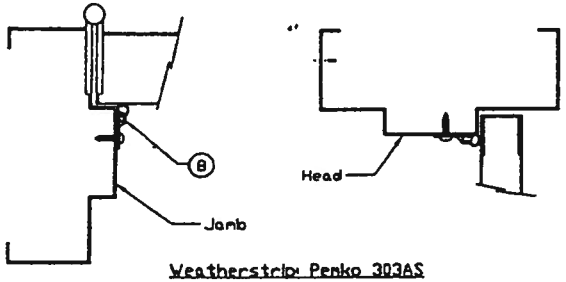
Threshold: Penko 2005AV





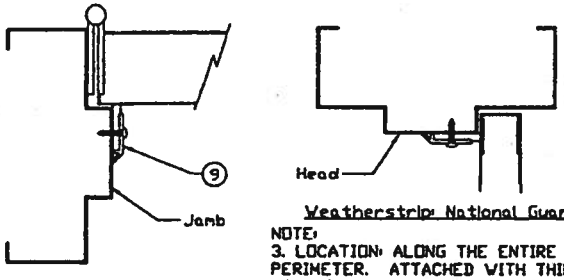
Threshold: Penko 181AV

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



Weatherstrip: Penko 303AS

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



Weatherstrip: National Guard 130NA

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

NOTE: 4. See Sheet 7 For Bill of Material

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

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DATE: June 08/2000
BY: Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

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

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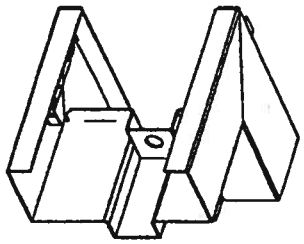
DATE: 5/30/97

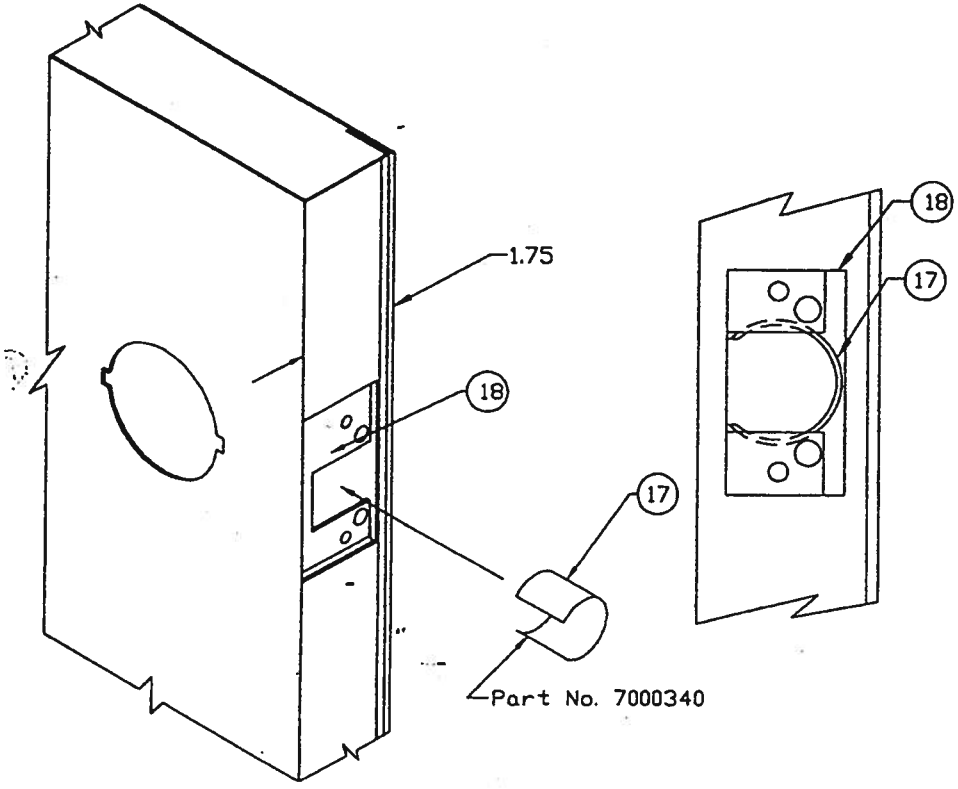
MATERIAL SPECIFICATIONS:

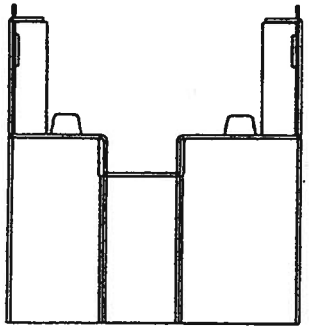
Threshold & Weatherstrip Installation details

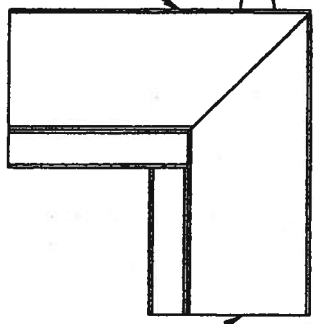
CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0087
Sheet 3 Of 7









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BY Manuel Perez
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BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

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

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

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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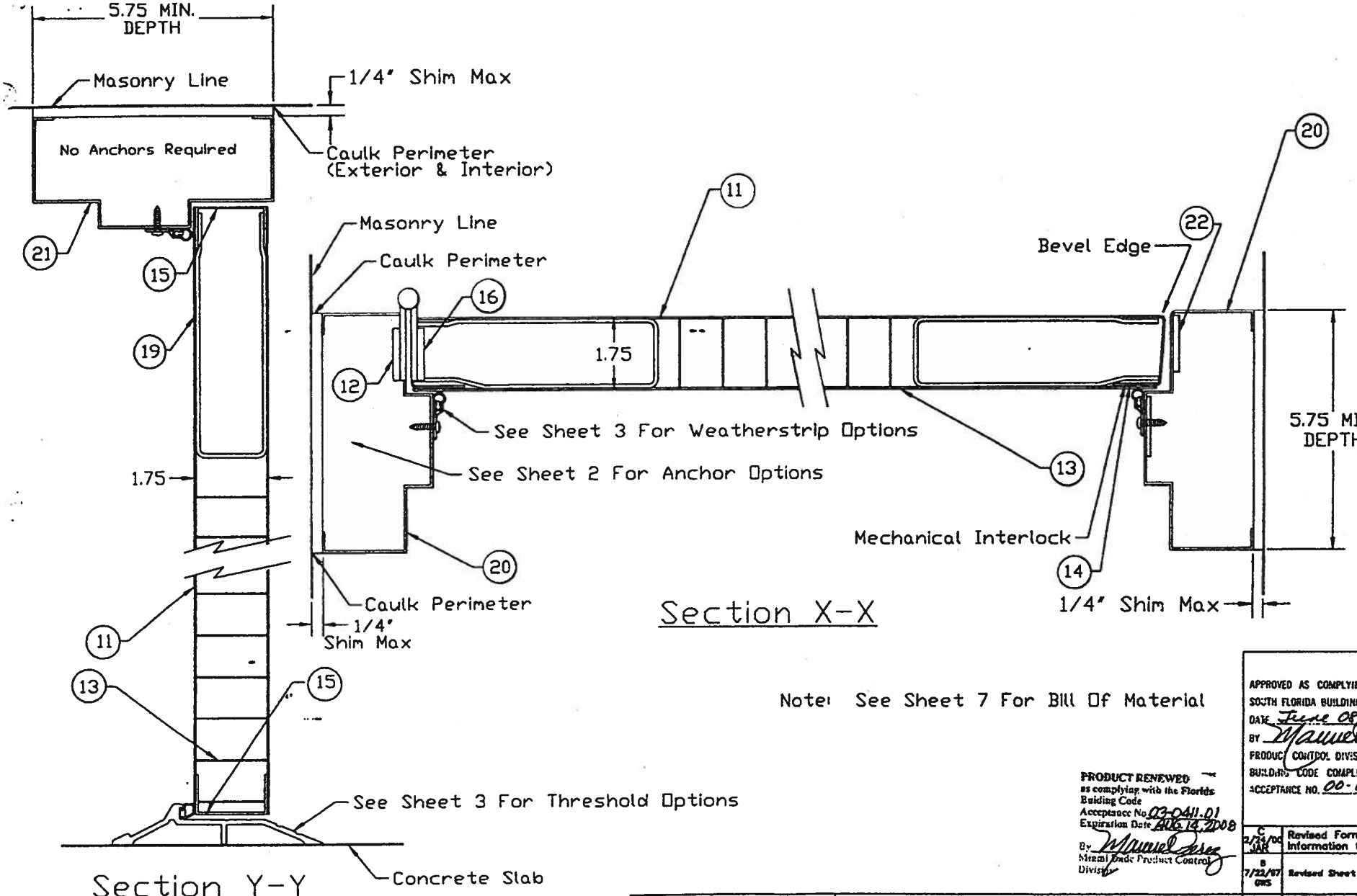
DATE: 6/06/97
DRAWING NUMBER: RD0087
Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

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

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

MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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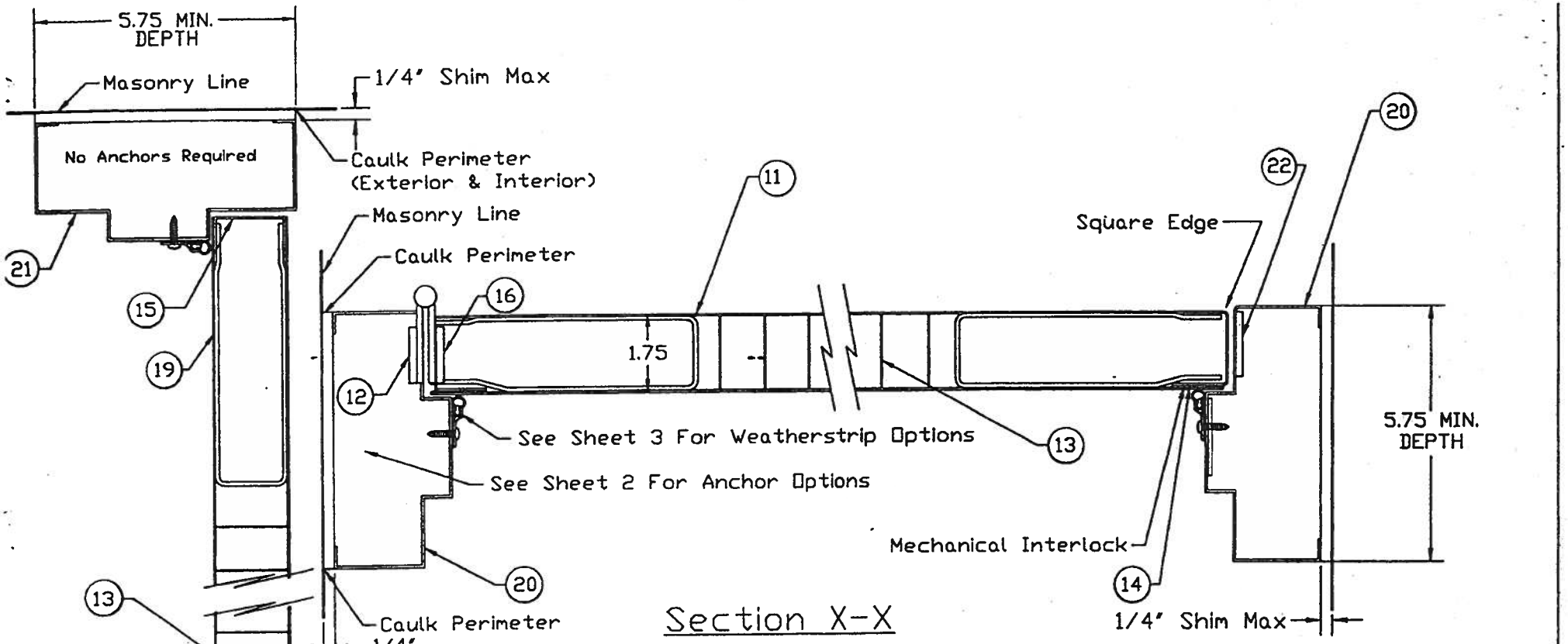
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 5 of 7



Note: See Sheet 7 For Bill Of Material

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ACCEPTANCE NO. 00-0315.03

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B 7/22/97 GWS	Revised Sheet Number
ISSUE	REVISIONS

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

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

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ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 9/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

DRAWING NUMBER: RD0087

Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

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

Architectural Testing

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

Rendered to:

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

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

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

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

Test Specimen Description:

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

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

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

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

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

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

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

Test Specimen Description: (Continued)

Weatherstripping:

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

Test Specimen #2: HS-C40 71 x 59

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

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

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

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

Weatherstripping:

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

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

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

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

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

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

Hardware:

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

Drainage:

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

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

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

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

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

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

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

Test Results: (Continued)

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

Test Results: (Continued)

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

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

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

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

EW:dme
01-47320.03

APRIL 20, 2004

Location: 2053 S.W. US HWY 27, FT. WHITE Project Name: JOSEPH J. ZAHLER

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 (PASSAGE)	THERMA TRUE	6 PANEL STEEL DOORS 4 HINGE ea. (FROM WILLISTON DOOR (352-528-3707)	FL 1170.2
2. Sliding	—		
3. Sectional (GARAGE)	CLOPAY 4050	16'x7' & 10'x7' 110 MPH, W3, +12.9 (ALACHUA DOOR, JOHN, 386-418-0100)	FL 2581
4. Roll up	—		
5. Automatic	—		
6. Other			
B. WINDOWS			
1. Single hung	BETTER BILT	6-37X63, 140 mph +45.2/-47.3	FL 5438.27
2. Horizontal Slider	—	SERIES 3740 1/2" FLANGE FRAME	
3. Casement	—	MFGTR: M.I. WINDOWS + DOORS	
4. Double Hung	—	PER BRANDON (717) 365-3300	
5. Fixed	—		
6. Awning	—	1- BETTER BILT, 140 MPH	FL 5438.27
7. Pass-through	—	SERIES 3740, 24'X36, FLG	
8. Projected	—		
9. Mullion	BETTER BILT	3 63" HP MULLION BARS	FL 5513
10. Wind Breaker	—		
11 Dual Action	—		
12. Other			
C. PANEL WALL	N/A		
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	TAMKO	30 YR. ARCHIT. HERITAGE, ASTM D-3462	FL 1956.3
2. Underlayments	WARRIOR	30 LB FELT (1-205-553-1734)	FL 2346
3. Roofing Fasteners	ACCUCHOICE	CHROMATED, 11GX 3/8" X 1 1/4" R. NAILS	
4. Non-structural Metal Rf	—	— BLUELINX, JONATHAN. must con-	
5. Built-Up Roofing	—	(1-800-839-2588) tact CHINA.	
6. Modified Bitumen	—		
7. Single Ply Roofing Sys	—		
8. Roofing Tiles	—		
9. Roofing Insulation	—		
10. Waterproofing	—		
11. Wood shingles /shakes	—		
12. Roofing Slate	—		

13. Liquid Applied Roof Sys	—		
14. Cements-Adhesives – Coatings	—		
15. Roof Tile Adhesive	—		
16. Spray Applied Polyurethane Roof	—		
17. Other	—		
E. SHUTTERS	NONE		
1. Accordion	—		
2. Bahama	—		
3. Storm Panels	—		
4. Colonial	—		
5. Roll-up	—		
6. Equipment	—		
7. Others	—		
F. SKYLIGHTS	NONE		
1. Skylight	—		
2. Other	—		
G. STRUCTURAL COMPONENTS	—		
	—	(LOWES 352-376-9900) →	
1. Wood connector/anchor	RED HEAD	3/8" X 3 3/4" CONCRETE ANCHORS	NOT AVAILABLE
2. Truss plates, STRAPS	SIMPSON	STRONG-TIE HS MSTA36Z	FL 1901.59
3. Engineered lumber	SANTA FE TAMS	2X4 SO. Y. PINE #2D, ASCE	
4. Railing	—	7-98 CODE FBC 2004/TPI 2002	2002
5. Coolers-freezers	—	110MPH, PHL 386-454-7711-DANE	
6. Concrete Admixtures	—		
7. Material	—		
8. Insulation Forms	—	19/32" PLYWOOD * SEE 3/26/04	
9. Plastics	—	LETTER from AMER. PLYWOOD	
10. Deck-Roof	GEORGIA PACIFIC	ASS'N 253-620-7400 M. KLINE	* LETTER, AP
11. Wall	BELL CONCRETE	← 8"X8"X16" CONCRETE BLOCK	
12. Sheds	—		
13. Other		PH: 1-800-323-1586 → CHAD **	** NONE PROVIDED
H. NEW EXTERIOR ENVELOPE PRODUCTS	—		
	—		
1.	—		
2.	—		

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 inspecti

Joseph J. Zahler, HOMEOWNER
Contractor or Contractor's Authorized Agent Signature

JOSEPH J. ZAHLER
Print Name

Date

2053 S.W. US HWY 27 FT. WHITE, FL 32038
Location

Permit # (FOR STAFF USE ONLY)

LETTER from APA

From:
Sent: Friday, March 26, 2004 2:01 PM
To:
Cc:
Subject: FW: Florida Product Approvals For Plywood And OSB

-----Original Message-----
From: Merritt Kline [mailto:merritt.kline@apawood.org]
Sent: Friday, March 26, 2004 1:54 PM
To:
Cc:
Subject: Florida Product Approvals For Plywood And OSB

The following is in response to your inquiry regarding the need for product approval of plywood and OSB by the State of Florida.

Florida Building Code 2001 accepts APA Rated Sheathing (plywood and OSB) for roof, wall and floor applications without impact testing. Reference Chapter 23 of the code for application requirements and load-span tables.

Reference Section 2301.4.3 " ... PS 1 or PS 2 ... Wood structural panels structural panels shall include plywood, oriented strand board (OSB) and composite panels. ... Wood structural panel components shall be designed and fabricated in accordance with the applicable standards listed in 2301.2.5 and identified by the trademark of an approved testing and inspection agency ..."

Section 2301.2.5 includes APA Design Construction Guide, Residential and Commercial (now named APA Engineered Wood Construction Guide)

Section 2314.4 stipulates reference standards adopted by the code. Section 2314.4.3 is: APA The Engineered Wood Association. Included (among other APA references) are items: 1. APA Design Construction Guide, Residential and Commercial (now re titled to APA Engineered Wood Construction Guide), 10. Performance Standards and Policies for Structural-Use Panels: PRP-108. and 11. 303 Siding Manufacturing Specification: B840. (page 23.24)

The above APA references are also listed in Chapter 35: Reference Standards

Exceptions to the above are those counties (Dade and Broward) designated as High Velocity Hurricane Zone (HVHZ), reference Sections 202 and 2301.1.1. Wall and roof sheathing panels for structures in HVHZ areas must be 19/32-inch plywood or an alternate material recognized by a Product Approval (e.g. Miami-Dade Product Control Division Approval). For HVHZ application requirements reference Sections: 2322.2.3: Roof sheathing, 2322.3: Storm sheathing, and 2322.4.1 Exterior wall cladding (plywood & T 1-11).

The code also allows minimum 7/16 inch Rated Sheathing to be used as shutters for wind borne debris protection in areas where this is required with the exception of HVHZ.

So, panels with the APA grade stamp bearing PS 1, PS 2 and/or PRP-108 are recognized within the code and do not require separate product approvals.

2/9/2006

I hope this information will be of assistance to you. If we can supply you with further information, please let us know.

Regards,
Merritt Kline
Product Support Specialist
Wood Products Support Help Desk
APA - The Engineered Wood Association
Southern Forest Products Association

E-mail: merritt.kline@apawood.org
Tel: 253-620-7400
Fax: 253-620-7235

Web Sites:
<http://www.APAwood.org>
<http://www.SouthernPine.com>
<http://www.SFPA.org>

APA = AMERICAN PLYWOOD ASSOC'N.

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

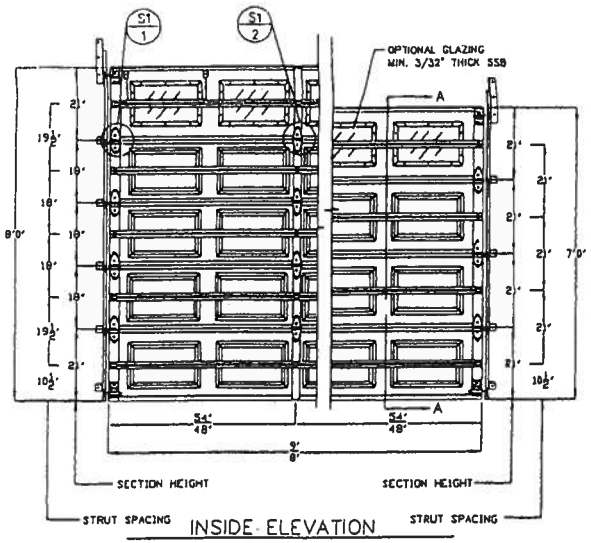
- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

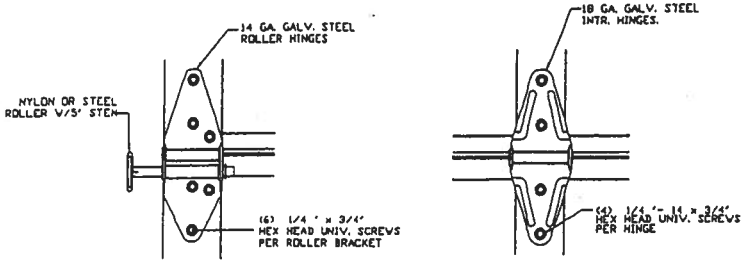
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

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

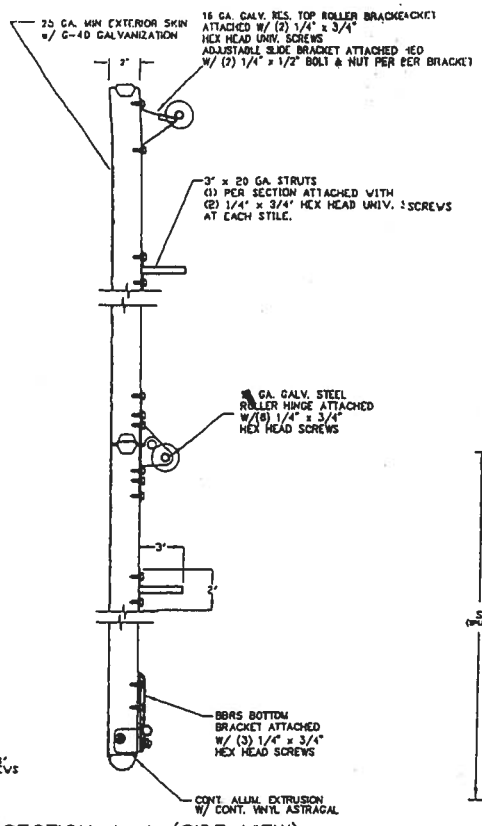


INSIDE ELEVATION



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

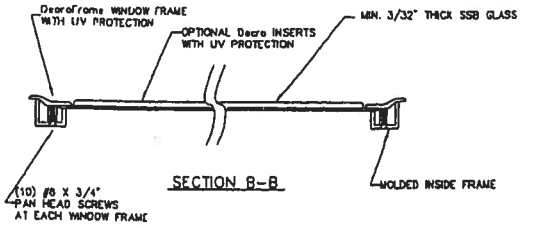
TYP. HINGE CONNECTION S1/2 N.T.S.

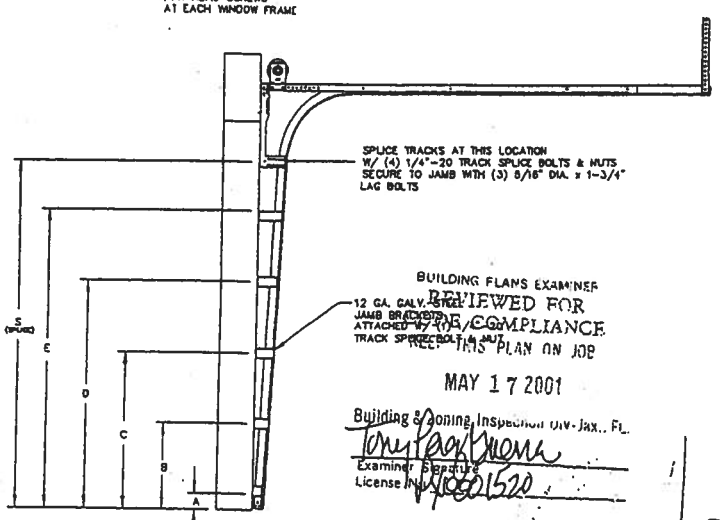


SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.



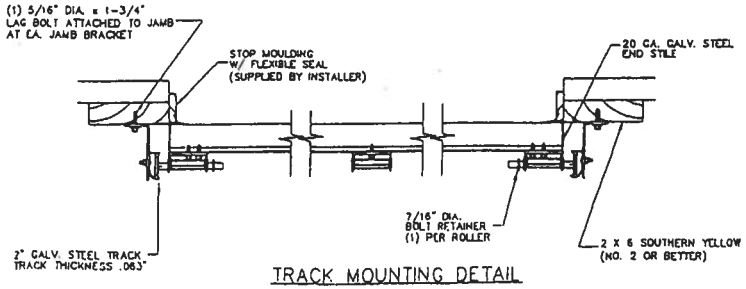


BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div-Jax., FL.
Examiner Signature
License No. RP0021520

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

JAMB BRACKET LOCATIONS

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



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

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

VERTICAL JAMB ATTACHMENT TO C-80 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

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

SPECIFICATIONS AND NOTES

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

MAX SIZE 8' x 8'
DESIGN LOADS +48.7 PSF -51.3 PSF
TEST LOADS +43.8 PSF -46.8 PSF

NO	DESCRIPTION OF REVISIONS	DATE	BY

Amarr GARAGE DOORS
SPRING GROVE, VIRGINIA

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	CHECKED BY	DATE	SBC-580-007-J
SCALE: NOT TO SCALE			SHEET 1 OF 1

4/19/01

This contract provides for re-treatment of a structure but does not provide for the repair of damages caused by wood destroying organisms.

ARROW EXTERMINATORS®
BEYOND THE CALL℠

CUSTOMER SERVICE AGREEMENT
for Wood Destroying Organisms

☒ Liquid Application Treatment
☐ Wood Member Treatment
☐ Fumigation Treatment

Joe Tahler
Account Name – First Middle Initial Last

2053 SW 115 Hwy 27
Service Address Number Street

Ft. White FL 32038
City State Zip Code

Service Phone: ☐ Home ☐ Office ☐ Fax Line

☐ Tenant ☐ Contact Person ☐ Home Phone ☐ Office Phone

Billing Name

Billing Address Number Street

City State Zip Code

Billing Phone: ☐ Home ☐ Office ☐ Fax Line

New Home Owner ☐ Home Phone ☐ Office Phone

- TYPE OF STRUCTURE: ☒ RESIDENTIAL ☐ COMMERCIAL ☐ MULTI-UNIT/BUILDINGS: _____
- TYPE OF CONSTRUCTION: ☐ CRAWL SPACE ☒ SLAB ☐ BASEMENT ☐ OTHER: _____
- STRUCTURES FOR SERVICE: ☐ MAIN DWELLING ☒ OTHER: Attached Garage & GAME ROOM
- TYPE OF INITIAL TREATMENT: ☒ POST-CONSTRUCTION ☐ PRE-CONSTRUCTION ☐ OTHER: _____
- PURPOSE OF SERVICE: ☒ PREVENTION ☐ PRESUMPTIVE EVIDENCE ☐ EXISTING INFESTATION
- LOCATION OF NOTICE OF SERVICE (FL): ☐ N/A ☐ ATTIC ☐ CRAWL ☐ OTHER: _____

INITIAL INVESTMENT

Subterranean Termite Treatment	$ 510.00
Drywood Termite Treatment	$
Wood Boring Beetle Treatment	$
Moisture Control/Ventilation	$
Applicable Sales Tax	$
TOTAL INITIAL COST	$ 510.00
Down Payment	$

METHOD OF PAYMENT

BALANCE OF $ 510.00
☒ Due Upon Completion by ☐ check ☐ cash ☒ deduct from credit card
☐ To be paid from Closing Proceeds or Within 30 Days, Whichever is First
☐ Approved Financing _____ Payments @ $_____ per month

DOWN PAYMENT PAID BY:

☐ CHECK #_____ ☐ CASH ☐ M/C ☐ VISA ☐ D/C ☐ AMEX
Card # _____ Exp. Date _____/_____

THE FOLLOWING GUARANTEE(S) CHECKED BELOW WILL BE EFFECTIVE UPON COMPLETION OF TREATMENT & ARROW RECEIVING FULL PAYMENT. SEE THE REVERSE SIDE FOR A DETAILED EXPLANATION OF GUARANTEE(S) ALONG WITH ALL DISCLAIMERS, LIMITATIONS, CONDITIONS OR EXCLUSIONS REGARDING THE GUARANTEE(S) PROVIDED.

☒ **LIMITED RETREAT GUARANTEE for:**

☐ Eastern Subterranean Termites*	Annual Renewal Fee $ 1 Year
☐ Drywood Termites	Annual Renewal Fee $
☐ Powder Post Beetles**	Annual Renewal Fee $
☐ Old House Borers**	Annual Renewal Fee $
☐ Moisture Control/# ____ Vents**	Annual Renewal Fee $

*Does NOT include Formosan Termites
**Provides for retreatment to sub-floor level & below only

☐ **NO GUARANTEE PROVIDED:**
- The service rendered provides NO guarantee..... Customer Initials: _____

SERVICE PROVISIONS

When a guarantee is to be issued, the initial treatment shall be guaranteed for a period of one (1) year from the date the property is first treated or in the case of new construction pretreatment, one year from the date of the original closing. The guarantee may be renewed annually for up to FOUR (4) additional years provided that the COMPANY has an opportunity to visually reinspect the treated property on a periodic basis and payment of the Annual Renewal Fee is made on or before the expiration of the annual guarantee period. The COMPANY guarantees the amount of the Annual Renewal to remain fixed as listed above for the first year. The COMPANY reserves the right to increase the Annual Renewal Fee after the first year by giving the guarantee holder a minimum thirty day notice of the new renewal rate.

Accepted By: ARROW EXTERMINATORS, INC.

Service Representative 3/2/06 Date

5602 NW 13th Street, Gainesville, Fl 32653
Office Address

352-373-3642 352-373-9037
Office Phone: Fax Line:

Manager Approval: ☐ Yes ☐ No Date: ____/____/____

Manager's Signature

TO THE PERSONAL, FAMILY OR HOUSEHOLD CONSUMER:
If this is a home solicitation you may cancel this agreement by providing written notice to the seller in person, by telegram or by mail. This notice must indicate that you do not want the goods or services and must be delivered or postmarked before midnight of the third business day after you sign this agreement. If you cancel this agreement, the seller cannot keep any part of a cash down payment. You are entitled to and should receive an exact executed copy of this agreement. This agreement is contingent on the approval of the branch manager.

Accepted By: ☒ Owner ☐ Authorized Agent

Signature: X Joseph J. Tahler

Print Name: JOSEPH J. TAHLER

Title: OWNER Date: 3/2/2006

WDO-1001-CW Revised 10-03
White Copy – Office Yellow Copy – Customer

ARROW EXTERMINATORS
BEYOND THE CALL.

LIMITED RETREATMENT GUARANTEE FOR EASTERN SUBTERRANEAN TERMITES

This limited guarantee provides for retreatment at any area of the structure, which develops an infestation of Eastern Subterranean Termites (excluding Formosan Termites) while the structure is under warranty from the Initial Treatment and subsequent renewals. This limited guarantee can be renewed upon payment of the Annual Renewal Fee on or before the anniversary of the Initial Treatment for a period of time not to exceed four (4) additional years. The COMPANY reserves the right to increase the Annual Renewal Fee after the first year, by giving the guarantee holder a minimum thirty day notice of the new renewal rate. This guarantee in no way, implied or otherwise, covers termite damage or damage caused by any other insects or organisms.

LIMITED RETREATMENT GUARANTEE FOR DRYWOOD TERMITES

This limited guarantee provides for retreatment at any area of the structure, which develops an infestation of drywood termites (excluding Formosan Termites and Subterranean Termites) while the structure is under warranty from the Initial Treatment and subsequent renewals. This limited guarantee can be renewed upon payment of the Annual Renewal Fee on or before the anniversary of the Initial Treatment for a period of time not to exceed four (4) additional years. The COMPANY reserves the right to increase the Annual Renewal Fee after the first year by giving the guarantee holder a minimum thirty day notice of the new renewal rate. This guarantee in no way, implied or otherwise, covers termite damage or damage caused by any other insects or organisms.

LIMITED POWDER POST BEETLE RETREATMENT GUARANTEE

This limited guarantee provides for liquid retreatment of any area of the structure's subfloor level and below, which indicate attack by live Powder Post Beetles while the structure is under warranty from the Initial Treatment and subsequent renewals. This limited guarantee can be renewed upon payment of the Annual Renewal Fee on or before the anniversary of the Initial Treatment for a period of time not to exceed four (4) additional years. The COMPANY reserves the right to increase the Annual Renewal Fee after the first year by giving the guarantee holder a minimum thirty day notice of the new renewal rate. This guarantee in no way implied or otherwise, covers damage from Powder Post Beetles or damage caused by any other insects or organisms.

LIMITED MOISTURE CONTROL & VENTILATION GUARANTEE

This limited guarantee provides for additional liquid fungicide treatment to the structure's sub-floor areas originally treated under this service Agreement, in areas where new and active wood decaying fungus appears, while under warranty from the Initial Treatment and any subsequent renewal warranty period. In addition, this limited guarantee provides for replacement or adjustment of any faulty ventilation installed by the COMPANY and for the replacement or adjustment of COMPANY installed moisture barriers, while under warranty from the initial installation and subsequent renewal warranty period. This limited guarantee may be renewed upon the COMPANY receiving full payment of the Annual Renewal Fee on or before the anniversary of the Initial Treatment/Installation date for a period of time not to exceed four (4) additional years. The COMPANY reserves the right to increase the Annual Renewal Fee after the first year by giving the guarantee holder a minimum thirty day notice of the renewal rate. This guarantee in no way, implied or otherwise, covers damage from water or fungus or damage caused by any other insects or organisms.

GENERAL TERMS AND CONDITIONS

Subject to the Graph, Specifications, Service Provisions, and the Terms, Conditions, Limitations, Exclusions and Disclaimers listed herein, the COMPANY will provide additional service at no charge for the areas of the structure in which evidence of live infestation from the targeted wood destroying organism is detected as long as the property remains under warranty as provided for in this Service Agreement. The warranty period commences at the completion of the Initial Treatment and is activated by payment in full for the contracted service. The Initial Treatment Guarantee is for a period of one year from the date of Initial Service, and may be renewed annually, on or before the anniversary date of the original treatment upon payment of the Annual Renewal Fee as disclosed on this Service Agreement. This Annual Renewal Fee shall remain stationary for the first year, after which time the COMPANY reserves the right to increase the Annual Renewal Fee. This limited guarantee is transferable to a subsequent OWNER provided that the Renewal Fees are paid on a consecutive basis from the time of the Initial Treatment. The following General Terms and Conditions apply to all Guarantees.

1. **EXISTING DAMAGE:** The COMPANY is not responsible for the repair of damage under this Agreement. It is possible that damage may presently exist in inaccessible and unexposed areas of the structure; therefore the COMPANY does not guarantee that any damage disclosed on the Initial Inspection Graph constitutes all the existing damage as of the date of this Agreement.
2. **PREMISES COVERED:** This Agreement covers only the structure listed in this Agreement and diagrammed on the Graph and Specification Sheet as of the date of Initial Treatment.
3. **STRUCTURAL MODIFICATIONS:** In the event the premises are structurally modified, altered or otherwise changed after the date of the Initial Treatment, this Agreement shall terminate unless a prior written Agreement has been entered into between the OWNER and the COMPANY to re-inspect the premises, provide additional treatment, and/or adjust the Annual Renewal Fee. In all instances it shall be the OWNER'S responsibility to notify the COMPANY of such changes or modifications which may include, but are not limited to: the finishing of previously unfinished areas, additions or modifications of plumbing, installation of hot tubs, latticed wood, wood flooring, decks, new landscaping, room additions and any alterations causing the movement of soil adjacent to the foundation walls. Additional treatment required due to modifications and/or additions shall be the expense of the OWNER.
4. **MOISTURE:** It is the OWNER'S responsibility to correct and repair moisture conditions in the structure that would allow targeted wood destroying organisms to survive without returning to treated areas. Such conditions include, but are not limited to faulty plumbing, roof leaks, faulty gutter/downspouts, standing water and/or poor drainage. Such conditions, in that they render treatment ineffective, become the OWNER'S responsibility to address and correct. The COMPANY will apply additional treatment to these areas after corrections have been made, and will re-assume liability for those areas after corrective measures have been completed by the OWNER. In no instance will it be the COMPANY S responsibility for the repair of damage.
5. **TREATMENT BY ANOTHER COMPANY:** Any treatment for the targeted pest identified on the Service Agreement and Original Treatment Graph performed by another COMPANY or individual subsequent to the COMPANY'S Initial Treatment renders this Agreement null and void unless express written authorization is obtained from a duly authorized agent of the COMPANY prior to treatment.
4. **LIABILITY:** The COMPANY'S liability under this Agreement will be terminated if the COMPANY is prevented from fulfilling its obligations under the terms of the Agreement by reason of delays in transportation, shortage of fuel and/or materials, strikes, embargoes, wars declared or undeclared, fires, floods, quarantines, or any Act of God or concomitances beyond the control of the COMPANY. The COMPANY'S liability ceases, and the contract becomes null and void if the Annual Renewal Fee of the warranty is not paid on or before the anniversary date of the contract.
7. **DISCLAIMER:** The COMPANY does not cover contents. This guarantee does not provide for damage repairs whatsoever. The COMPANY is not responsible for consequential damages.
8. **PREMISES MADE AVAILABLE FOR INSPECTION:** Under this Agreement, the OWNER will make the identified property available to the COMPANY on a periodic basis for the purpose of re-inspection, during the COMPANY'S normal business hours of operations.
9. **AMENDMENTS:** This Agreement constitutes a complete recitation of all understandings and responsibilities between the parties and may not be altered or changed without the prior written consent. Any changes must be in the form of an addendum approved in writing by the COMPANY. Alterations and changes made directly to this Agreement will void this guarantee.
10. **DISCLAIMER FOR INSPECTION OF MOLD:** CUSTOMER agrees that the COMPANY has not inspected for and is not qualified to inspect any surfaces, air or any other portion or member of the structure covered by this Agreement for the presence of molds, mold-like conditions or non-wood destroying fungi (including but not limited to Stachybotrys atra), and that the COMPANY has no liability for inspection of the structure for same. The inspection for evaluation of or treatment for the presence of mold, mold-like conditions or non-wood destroying fungi should be referred to the appropriate mold professional or certified industrial hygienist chosen by the CUSTOMER.
11. **DISCLAIMER FOR TREATMENT OF MOLD:** CUSTOMER agrees that the treatment contemplated by this Agreement with the COMPANY does not treat for or prevent mold, mold-like conditions or non-wood destroying fungi (including but not limited to Stachybotrys atra). Accordingly, CUSTOMER, on behalf of himself/herself, his/her heirs, successors or assigns, agrees that the COMPANY shall have no liability for any personal injury or property damage arising from any exposure of any person to said molds, mold-like conditions or non-wood destroying fungi (including but not limited to Stachybotrys atra). Any inspection for, evaluation of, or treatment of molds, mold-like conditions or non-wood destroying fungi should be referred to and handled by an appropriate mold professional or certified industrial hygienist chosen by the CUSTOMER.
12. **ARBITRATION:** Any dispute arising out of or relating to this Agreement or the services performed under this Agreement or tort based claims for personal or bodily injury or damage to real or personal property shall be finally resolved by arbitration administered under the commercial arbitration rules of the American Arbitration Association. This Agreement involves interstate commerce; furthermore, the parties expressly agree that their mutual rights and obligations and the conduct of any arbitrator proceeding shall be controlled by the Federal Aberration Act. The award of the arbitrator shall be final, binding, non-appealable and may be entered and enforced in any court having jurisdiction in accordance with the Federal Arbitration Act. The arbitrator shall not have the power or authority to award exemplary, treble, liquidated or any type of punitive damages.
13. **INSURANCE:** The Georgia Structural Pest Control Act requires all pest control companies to maintain insurance coverage. Information about this coverage is available from this pest control COMPANY.

ARROW EXTERMINATORS

(352) 373-3642
5602 N.W. 13 Street
Gainesville, Fl 32653
Fax: (352) 373-9037

FAX TRANSMISSION HEADER SHEET

DATE: 3-2-06

TO: Joe Tabor **FROM:** Van Wagner

FAX #: 386-454-5274 **FAX #:** 352-373-9037

MESSAGE:

I have scheduled this work for Monday 3-6-06

Thank You! Van

NUMBER OF PAGES INCLUDING COVER SHEET: 2

Van, • Book, 2nd page!

~~1 YEAR~~

• No automatic renewal? Correct

Freeman Design Group inc
Engineers • Planners

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

PH: 386-758-4209

FAX: 386-758-4290

Thursday, April 6, 2006

Columbia County Building Dept.
Lake City, FL. 32055

RE: Joe Zahler Residence

To Whom It May Concern:

I have inspected the existing residence for Mr. Zahler and certify that the foundation structure, the masonry wall structure, and roof truss framing have been installed per FBC 2004 edition. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman

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

— FOUNDATION Etc.

Freeman Design Group inc Engineers • Planners

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

May 6, 2006

Columbia County Building and Zoning

RE: Joe Zahler Residence **Permit # 0604-75**

To whom it may concern.

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor 8" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

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

TODAY 5/8/06

I mailed Bill a check for $250.00 before ~~after~~

I ~~spoke~~ spoke w/ Joe Haltiwanger.

—JZ

No
—FLOOD ZONE

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 19-7S-17-10026-018 **Building permit No.** 000024492

Use Classification ADDITION TO SFD **Fire:** 0.00

Permit Holder OWNER BUILDER **Waste:** 0.00

Owner of Building JOSEPH ZAHLER **Total:** 0.00

Location: 2053 SW US HIGHWAY 27

Date: 03/30/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

RE: ZAHLERJ -

MiTek Industries, Inc.
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

Site Information:
Project Customer: Project Name:
Lot/Block: Subdivision:
Address:
City: State:

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

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

Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.2
Wind Code: ASCE 7-98 Wind Speed: 110 mph Design Method: Main Wind Force Resisting System ASCE 7-98
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 23 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date	No.	Seal#	Job ID#	Truss Name	Date
1	T1849188	ZAHLERJ	A	11/7/05	18	T1849205	ZAHLERJ	J01A	11/7/05
2	T1849189	ZAHLERJ	A1	11/7/05	19	T1849206	ZAHLERJ	J01B	11/7/05
3	T1849190	ZAHLERJ	A2	11/7/05	20	T1849207	ZAHLERJ	J03B	11/7/05
4	T1849191	ZAHLERJ	A3	11/7/05	21	T1849208	ZAHLERJ	J07	11/7/05
5	T1849192	ZAHLERJ	A4	11/7/05	22	T1849209	ZAHLERJ	J07A	11/7/05
6	T1849193	ZAHLERJ	A5	11/7/05	23	T1849210	ZAHLERJ	J07B	11/7/05
7	T1849194	ZAHLERJ	AET	11/7/05					
8	T1849195	ZAHLERJ	B	11/7/05					
9	T1849196	ZAHLERJ	B1	11/7/05					
10	T1849197	ZAHLERJ	B2	11/7/05					
11	T1849198	ZAHLERJ	B3	11/7/05					
12	T1849199	ZAHLERJ	BGT	11/7/05					
13	T1849200	ZAHLERJ	CJ01	11/7/05					
14	T1849201	ZAHLERJ	CJ02	11/7/05					
15	T1849202	ZAHLERJ	EJ3	11/7/05					
16	T1849203	ZAHLERJ	EJ7	11/7/05					
17	T1849204	ZAHLERJ	J01	11/7/05					

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

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

November 7,2005
Zhang, Guo-jie

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A	COMMON	13	1	T1849188

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:28 2005 Page 1

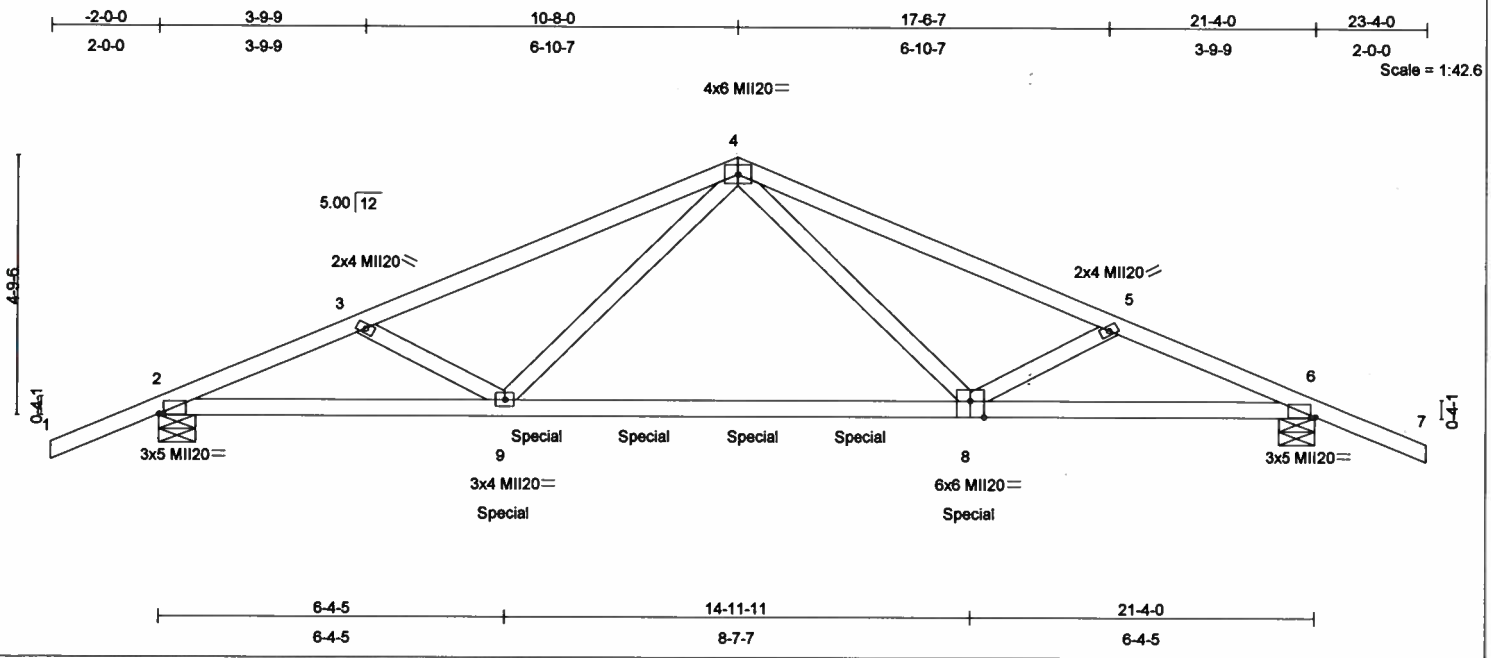


Plate Offsets (X,Y): [2:0-0-14,0-0-2], [6:0-0-14,0-0-2], [8:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.20	8-9	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.61	8-9	>406	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1139/0-8-0, 6=1139/0-8-0
Max Horz 2=-104(load case 6)
Max Uplift2=-341(load case 5), 6=-341(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2099/426, 3-4=-1890/340, 4-5=-1890/340, 5-6=-2099/426, 6-7=0/45
BOT CHORD 2-9=-397/1859, 8-9=-187/1235, 6-8=-294/1859
WEBS 3-9=-257/186, 4-9=-68/672, 4-8=-69/672, 5-8=-257/187

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 341 lb uplift at joint 2 and 341 lb uplift at joint 6.
6) Special hanger(s) or other connection device(s) shall be provided starting at 6-4-5 from the left end to 14-11-11 sufficient to connect truss(es) ??? (1 ply 2 X 4 SYP) to front face of bottom chord. The design/selection of such special connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 2-9=-20, 8-9=-60(F=-40), 6-8=-20

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

November 7,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A1	HIP	1	1	T1849189

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:29 2005 Page 1

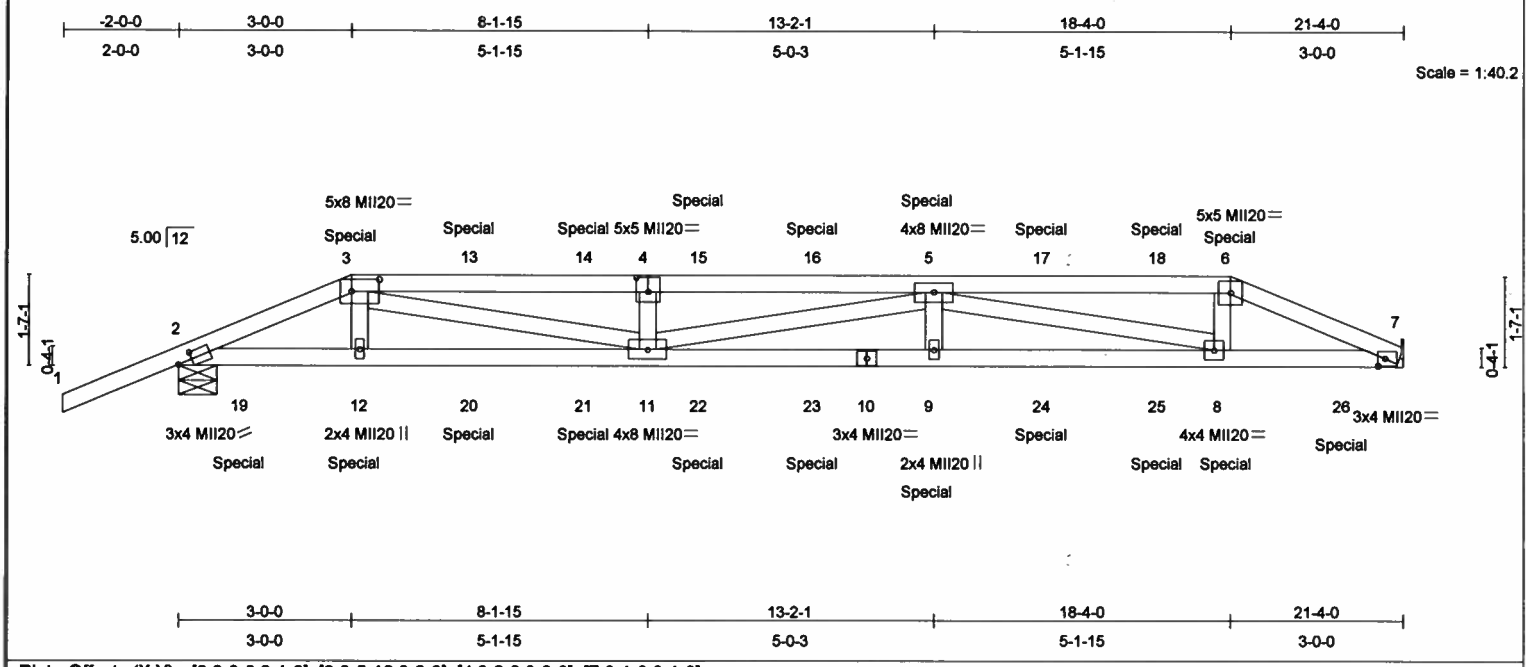


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [3:0-5-12,0-2-8], [4:0-2-8,0-3-0], [7:0-1-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.15	9-11	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.41	9-11	>618	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.52	Horz(TL)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 95 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-10-3 oc bracing.

REACTIONS (lb/size) 7=643/Mechanical, 2=806/0-8-0
Max Horz 2=70(load case 5)
Max Uplift7=-129(load case 4), 2=-259(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1269/280, 3-13=-2316/566, 13-14=-2316/566, 4-14=-2316/566, 4-15=-2316/566, 15-16=-2316/566, 5-16=-2316/566, 5-17=-1315/307, 17-18=-1315/307, 6-18=-1315/307, 6-7=-1404/312
BOT CHORD 2-19=-231/1132, 12-19=-231/1132, 12-20=-226/1154, 20-21=-226/1154, 11-21=-226/1154, 11-22=-539/2356, 22-23=-539/2356, 10-23=-539/2356, 9-10=-539/2356, 9-24=-539/2356, 24-25=-539/2356, 8-25=-539/2356, 8-26=-266/1260, 7-26=-266/1260
WEBS 3-12=0/201, 3-11=-346/1244, 4-11=-179/128, 5-11=-55/26, 5-9=0/228, 5-8=-1120/278, 6-8=-28/491

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 7 and 259 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 47 lb up at 3-0-0, 12 lb down and 49 lb up at 5-0-12, 12 lb down and 49 lb up at 7-0-12, 12 lb down and 49 lb up at 9-0-12, 12 lb down and 49 lb up at 11-0-12, 12 lb down and 49 lb up at 13-0-12, 12 lb down and 49 lb up at 15-0-12, and 12 lb down and 49 lb up at 17-0-12, and 9 lb down and 47 lb up at 18-4-0 on top chord, and 17 lb down at 1-0-12, 12 lb down at 3-0-12, 12 lb down at 5-0-12, 12 lb down at 7-0-12, 12 lb down at 9-0-12, 12 lb down at 11-0-12, 12 lb down at 13-0-12, 12 lb down at 15-0-12, 12 lb down at 17-0-12, and 12 lb down at 18-3-4, and 17 lb down at 20-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

November 7,2005

Continued on page 2

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1849189
ZAHLERJ	A1	HIP	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-6=-60, 6-7=-60, 2-7=-20

Concentrated Loads (lb)

Vert: 3=47(F) 6=47(F) 12=-6(F) 5=49(F) 9=-6(F) 8=-6(F) 13=49(F) 14=49(F) 15=49(F) 16=49(F) 17=49(F) 18=49(F) 19=-9(F) 20=-6(F) 21=-6(F) 22=-6(F) 23=-6(F) 24=-6(F) 25=-6(F) 26=-9(F)

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A2	HIP	1	1	T1849190

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:30 2005 Page 1

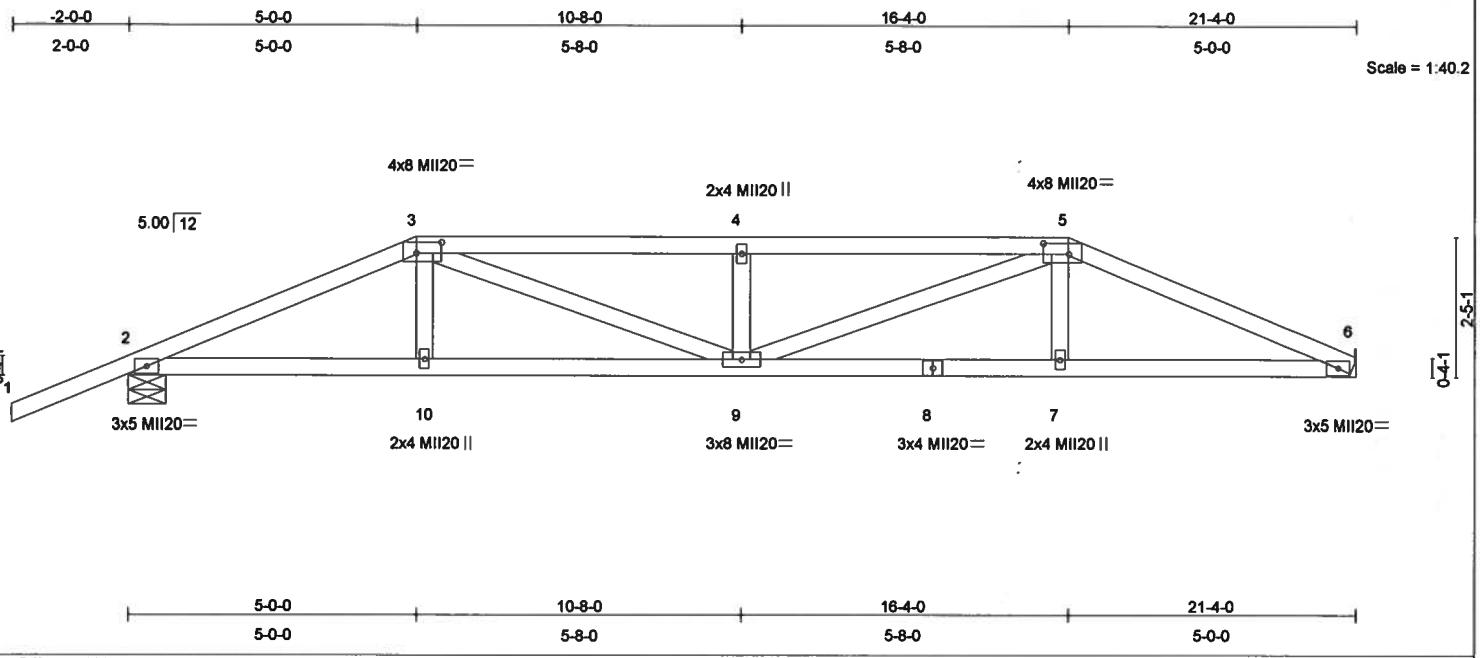


Plate Offsets (X,Y): [3:0-5-4,0-2-4], [5:0-5-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	9	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.22	9-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=830/Mechanical, 2=985/0-8-0
Max Horz 2=82(load case 5)
Max Uplift6=-159(load case 4), 2=-268(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1640/354, 3-4=-2099/513, 4-5=-2099/513, 5-6=-1748/375
BOT CHORD 2-10=-284/1442, 9-10=-280/1449, 8-9=-303/1570, 7-8=-303/1570, 6-7=-307/1561
WEBS 3-10=0/216, 3-9=-211/754, 4-9=-351/180, 5-9=-157/668, 5-7=0/230

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 6 and 268 lb uplift at joint 2.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

November 7,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A3	HIP	1	1	T1849191

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:31 2005 Page 1

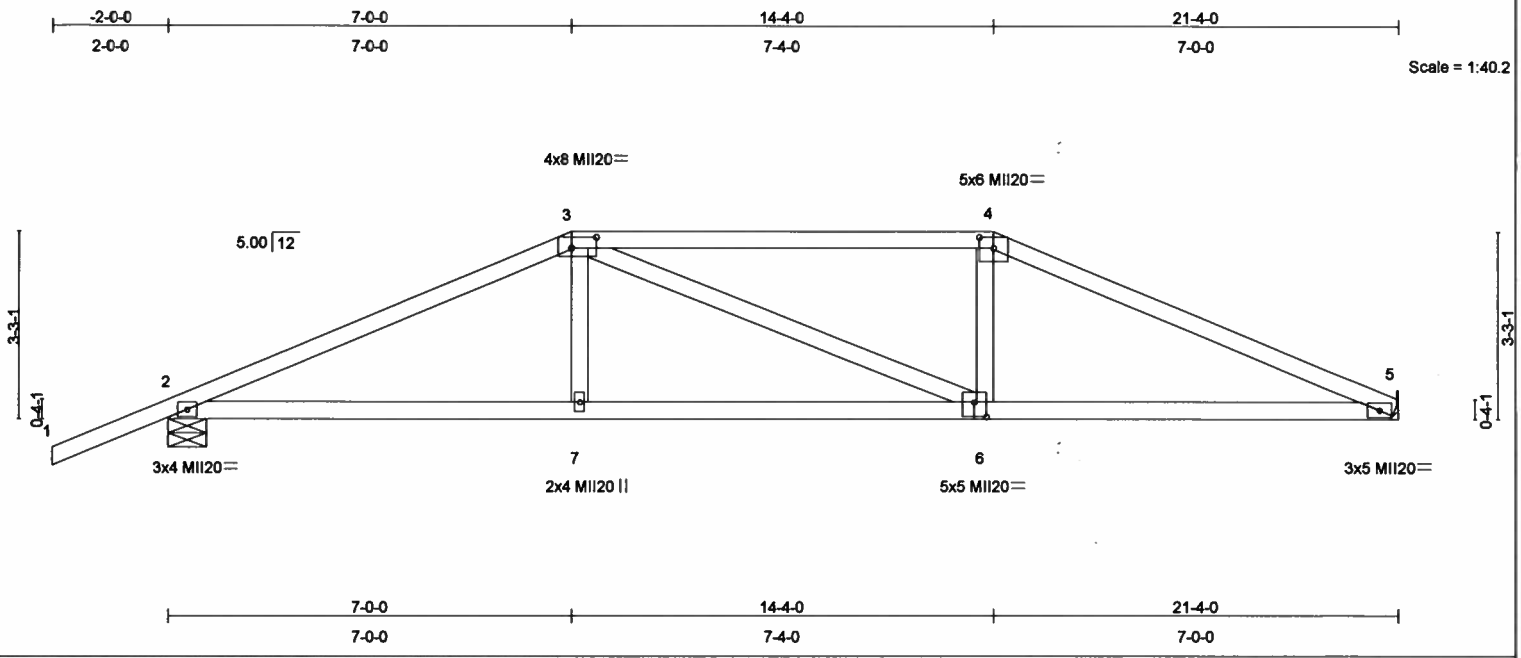


Plate Offsets (X,Y): [3:0-5-4,0-2-4], [4:0-3-0,0-2-4], [6:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.07	5-6	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.20	5-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 87 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=830/Mechanical, 2=985/0-8-0
Max Horz 2=95(load case 5)
Max Uplift5=-140(load case 6), 2=-271(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1556/302, 3-4=-1432/317, 4-5=-1619/312
BOT CHORD 2-7=-223/1354, 6-7=-220/1361, 5-6=-234/1425
WEBS 3-7=0/289, 3-6=-99/212, 4-6=0/290

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 5 and 271 lb uplift at joint 2.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

November 7,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A4	HIP	1	1	T1849192

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:32 2005 Page 1

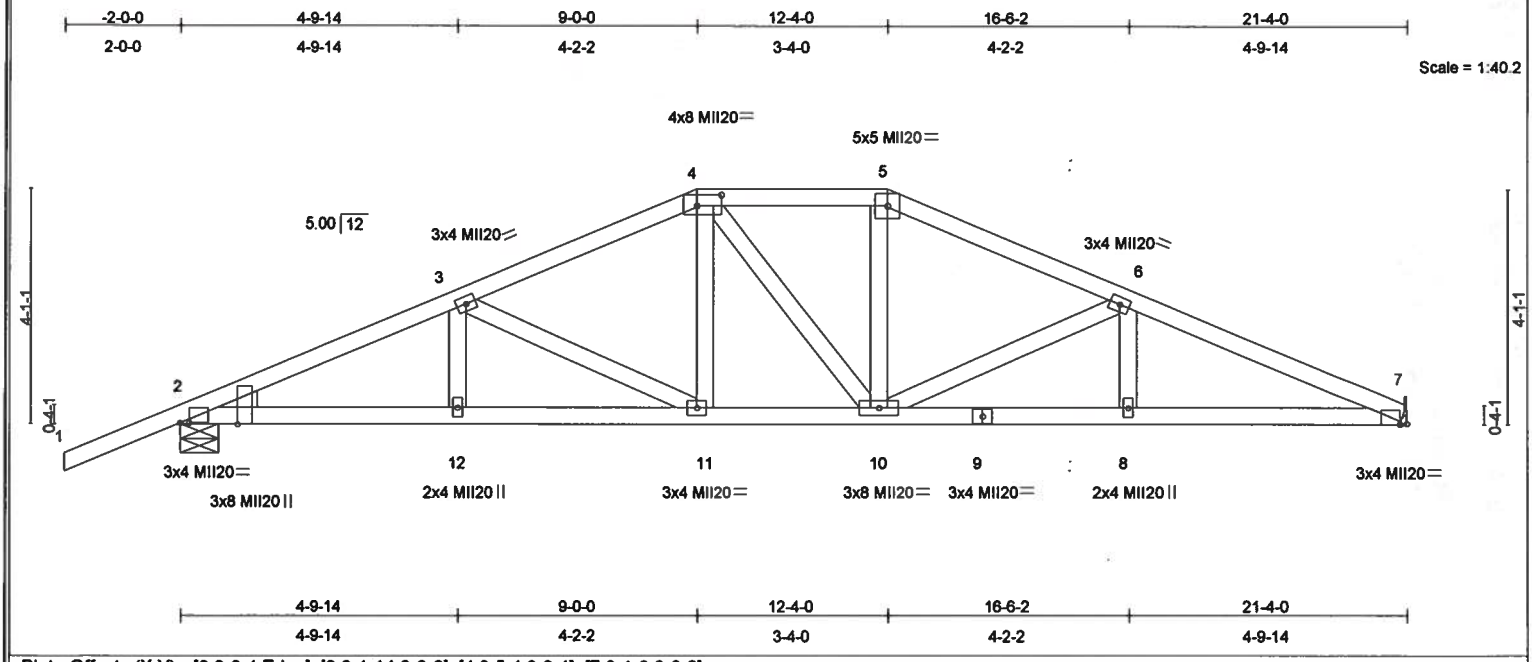


Plate Offsets (X,Y): [2:0-0-4,Edge], [2:0-1-14,0-0-2], [4:0-5-4,0-2-4], [7:0-1-6,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.05	10	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.13	8-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 106 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=830/Mechanical, 2=985/0-8-0
Max Horz 2=107(load case 5)
Max Uplift7=-156(load case 6), 2=-288(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1618/241, 3-4=-1258/234, 4-5=-1137/235, 5-6=-1273/236, 6-7=-1739/309
BOT CHORD 2-12=-195/1418, 11-12=-195/1418, 10-11=-123/1125, 9-10=-236/1551, 8-9=-236/1551, 7-8=-236/1551
WEBS 3-12=0/181, 3-11=-342/89, 4-11=-11/267, 4-10=-94/123, 5-10=-21/283, 6-10=-471/173, 6-8=0/197

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 7 and 288 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 7,2005

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MiTek

Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	A5	COMMON	8	1	T1849193

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:33 2005 Page 1

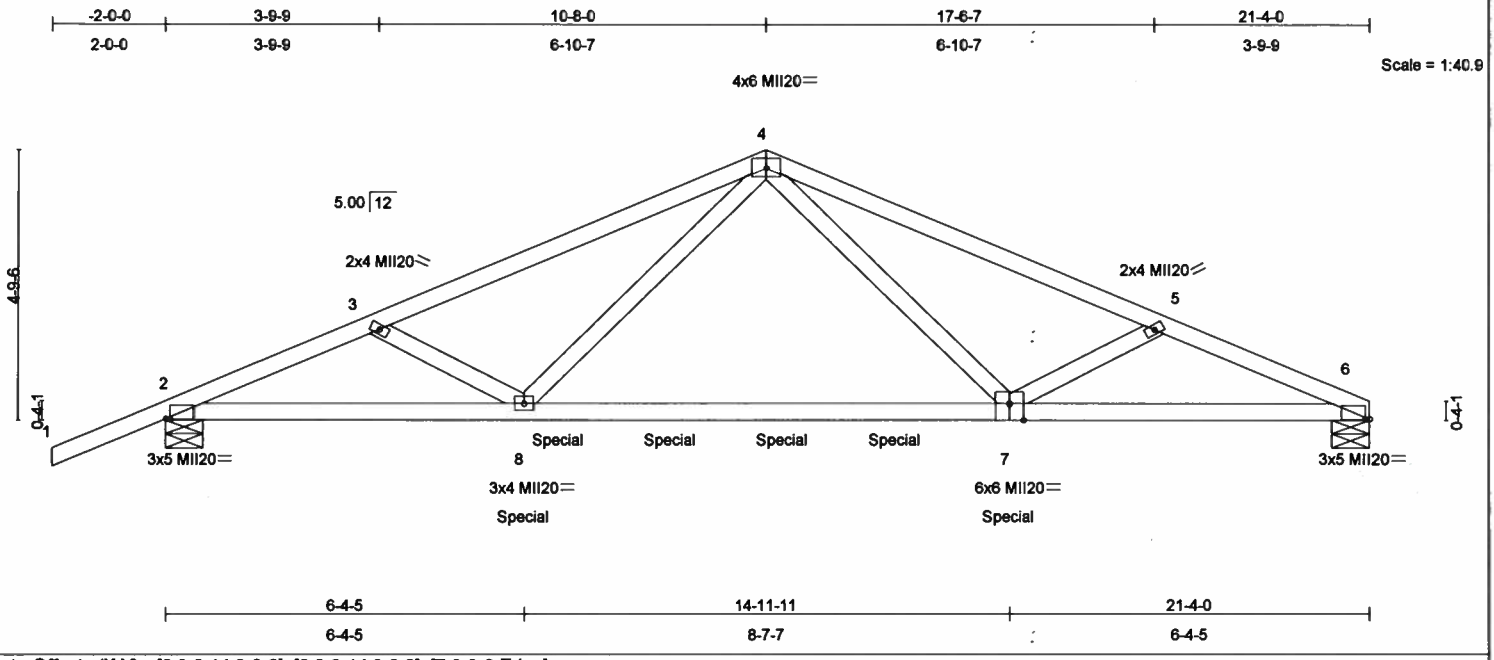

Plate Offsets (X,Y): [2:0-0-14,0-0-2], [6:0-0-14,0-0-2], [7:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.19	7-8	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.60	7-8	>410	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-8 oc bracing.

REACTIONS (lb/size) 6=991/0-8-0, 2=1147/0-8-0
Max Horz 2=117(load case 5)
Max Uplift6=-208(load case 6), 2=-342(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2115/428, 3-4=-1906/343, 4-5=-1945/398, 5-6=-2177/506
BOT CHORD 2-8=-413/1874, 7-8=-204/1253, 6-7=-431/1942
WEBS 3-8=-257/186, 4-8=-68/670, 4-7=-117/715, 5-7=-296/227

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 6 and 342 lb uplift at joint 2.
6) Special hanger(s) or other connection device(s) shall be provided starting at 6-4-5 from the left end to 14-11-11 sufficient to connect truss(es) ??? (1 ply 2 X 4 SYP) to front face of bottom chord. The design/selection of such special connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 2-8=-20, 7-8=-60(F=-40), 6-7=-20

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Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	AET	COMMON	1	1	T1849194

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:34 2005 Page 1

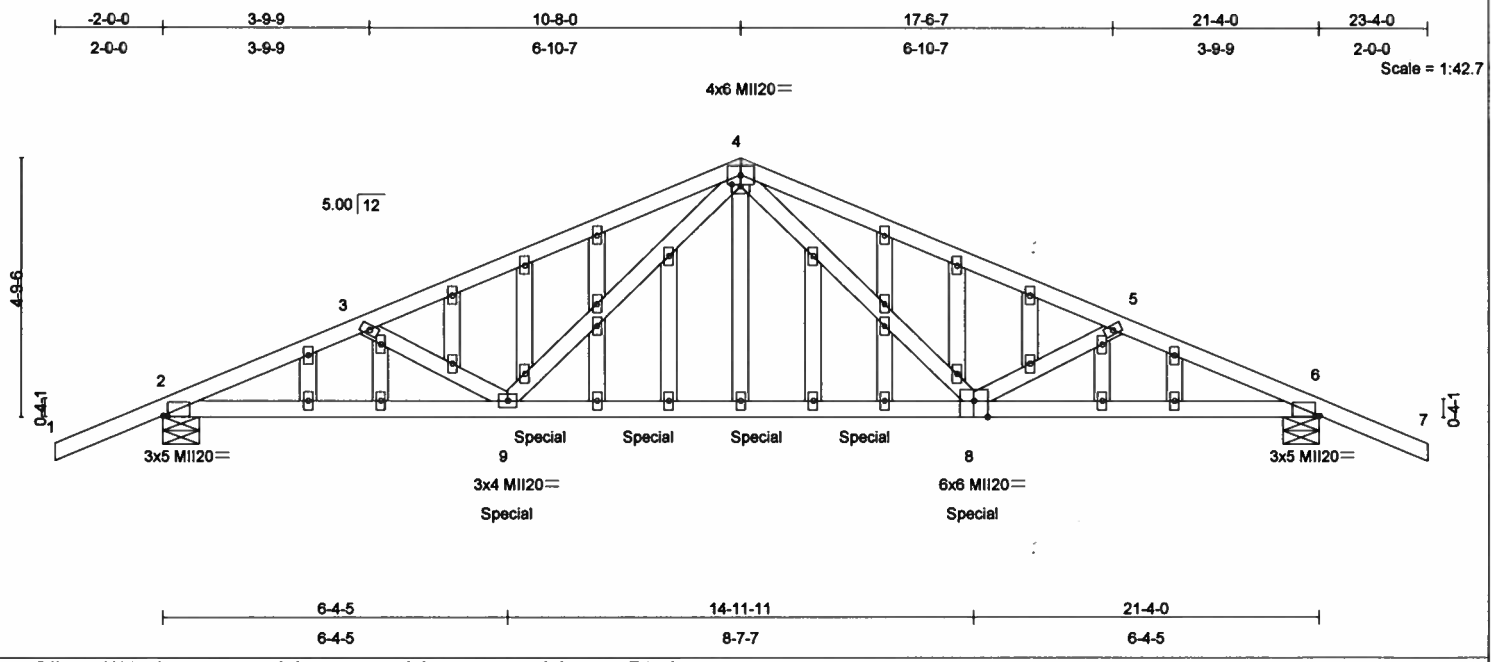

Plate Offsets (X,Y): [2:0-0-14,0-0-2], [4:0-2-0,0-0-7], [6:0-0-14,0-0-2], [8:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.20	8-9	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.61	8-9	>406	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 140 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1139/0-8-0, 6=1139/0-8-0
Max Horz 2=-104(load case 6)
Max Uplift2=-341(load case 5), 6=-341(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2097/425, 3-4=-1889/340, 4-5=-1889/340, 5-6=-2097/426, 6-7=0/45
BOT CHORD 2-9=-397/1857, 8-9=-187/1235, 6-8=-294/1857
WEBS 3-9=-256/186, 4-9=-68/671, 4-8=-69/671, 5-8=-256/187

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 341 lb uplift at joint 2 and 341 lb uplift at joint 6.
9) Special hanger(s) or other connection device(s) shall be provided starting at 6-4-5 from the left end to 14-11-11 sufficient to connect truss(es) ??? (1 ply 2 X 4 SYP) to front face of bottom chord. The design/selection of such special connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 2-9=-20, 8-9=-60(F=-40), 6-8=-20

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Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	B	COMMON	1	1	T1849195

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:35 2005 Page 1

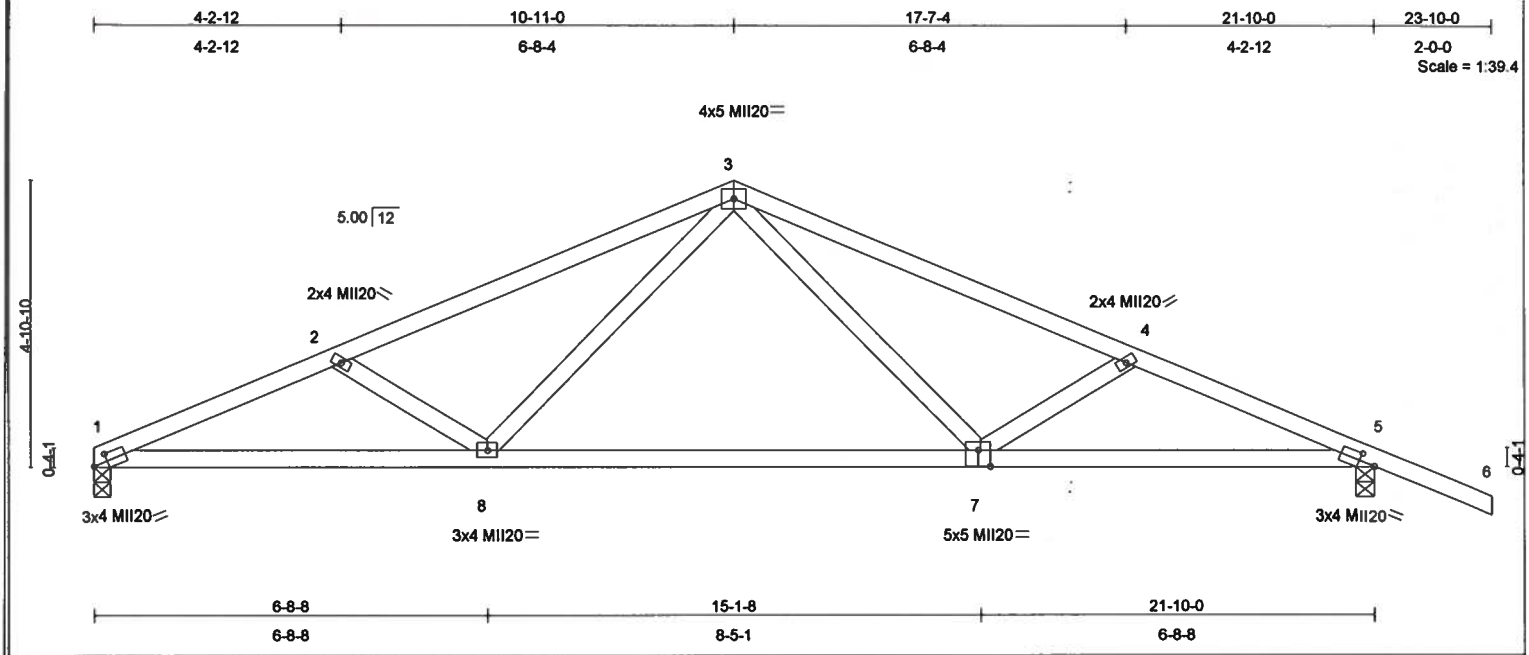

Plate Offsets (X,Y): [1:0-3-0,0-1-8], [5:0-3-0,0-1-8], [7:0-2-8,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.10	7-8	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.30	7-8	>865	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 98 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=855/0-3-8, 5=997/0-3-8
Max Horz 1=-119(load case 6)
Max Uplift1=-172(load case 5), 5=-294(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1825/402, 2-3=-1550/296, 3-4=-1519/252, 4-5=-1789/341, 5-6=0/45
BOT CHORD 1-8=-389/1651, 7-8=-142/1040, 5-7=-218/1600
WEBS 2-8=-381/239, 3-8=-69/523, 3-7=-29/509, 4-7=-352/209

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 1 and 294 lb uplift at joint 5.

LOAD CASE(S) Standard

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November 7,2005

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Job	Truss	Truss Type	Qty	Ply	T1849196
ZAHLERJ	B1	HIP	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:36 2005 Page 1

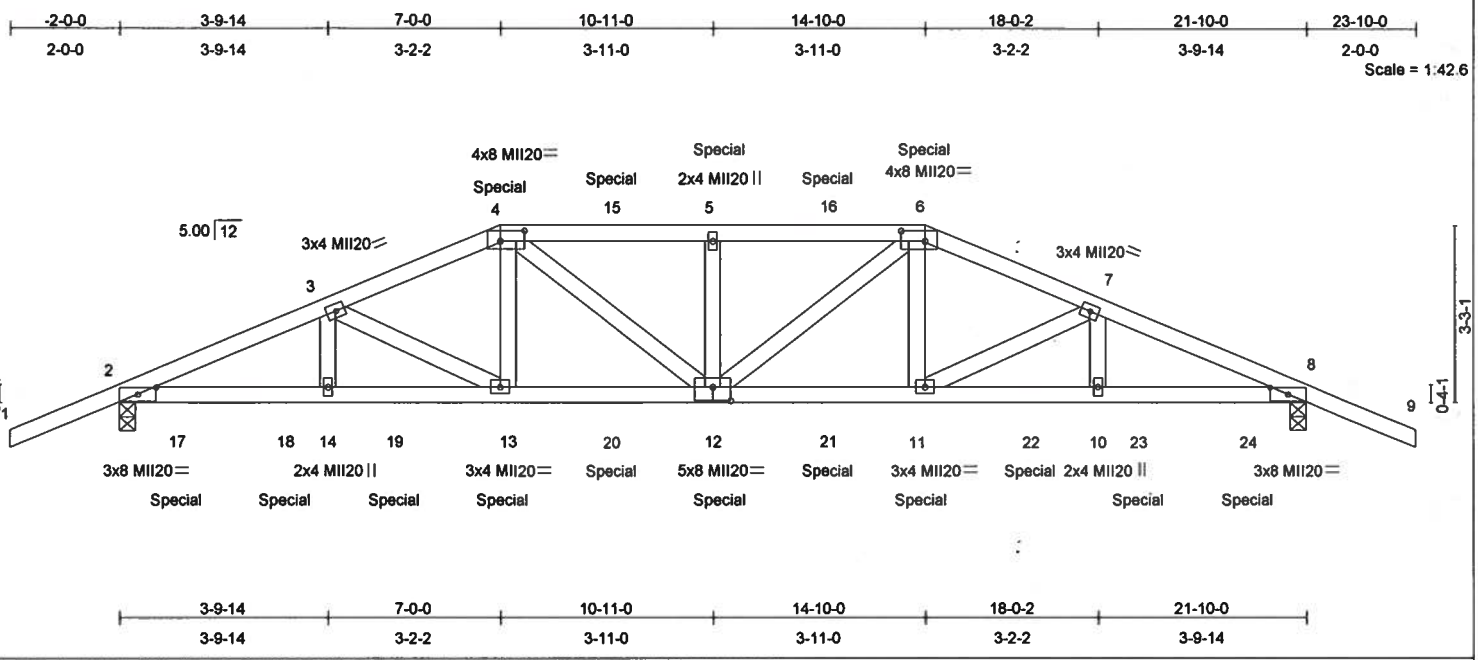

Plate Offsets (X,Y): [2:0-4-2,0-1-8], [4:0-5-4,0-2-4], [6:0-5-4,0-2-4], [8:0-4-2,0-1-8], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.11	12	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.30	12-13	>864	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-4 oc bracing.

REACTIONS (lb/size) 2=1652/0-3-8, 8=1656/0-3-8
Max Horz 2=-81(load case 6)
Max Uplift2=-568(load case 5), 8=-570(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-3221/919, 3-4=-2932/963, 4-15=-3107/1028, 5-15=-3107/1028, 5-16=-3107/1028, 6-16=-3108/1028, 6-7=-2943/969, 7-8=-3231/925, 8-9=0/45
BOT CHORD 2-17=-822/2896, 17-18=-822/2896, 14-18=-822/2896, 14-19=-822/2896, 13-19=-822/2896, 13-20=-825/2705, 12-20=-825/2705, 12-21=-790/2715, 11-21=-790/2715, 11-22=-780/2905, 10-22=-780/2905, 10-23=-780/2905, 23-24=-780/2905, 8-24=-780/2905
WEBS 3-14=0/280, 3-13=-331/0, 4-13=0/470, 4-12=-188/581, 5-12=-457/263, 6-12=-182/568, 6-11=0/477, 7-11=-329/0, 7-10=0/280

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 568 lb uplift at joint 2 and 570 lb uplift at joint 8.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 234 lb down and 180 lb up at 7-0-0, 111 lb down and 84 lb up at 9-0-12, 111 lb down and 84 lb up at 11-0-12, and 111 lb down and 84 lb up at 13-0-12, and 234 lb down and 180 lb up at 14-10-0 on top chord, and 97 lb down at 1-0-12, 95 lb down at 3-0-12, 92 lb down at 5-0-12, 92 lb down at 7-0-12, 92 lb down at 9-0-12, 92 lb down at 11-0-12, 92 lb down at 13-0-12, 92 lb down at 14-9-4, 92 lb down at 16-9-4, and 95 lb down at 18-9-4, and 97 lb down at 20-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20

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November 7,2005

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T1849196
ZAHLERJ	B1	HIP	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-234(F) 6=-234(F) 13=-46(F) 12=-46(F) 5=-111(F) 11=-46(F) 15=-111(F) 16=-111(F) 17=-49(F) 18=-55(F) 19=-46(F) 20=-46(F) 21=-46(F) 22=-46(F) 23=-55(F) 24=-49(F)

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Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	B2	HIP	1	1	T1849197

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:37 2005 Page 1

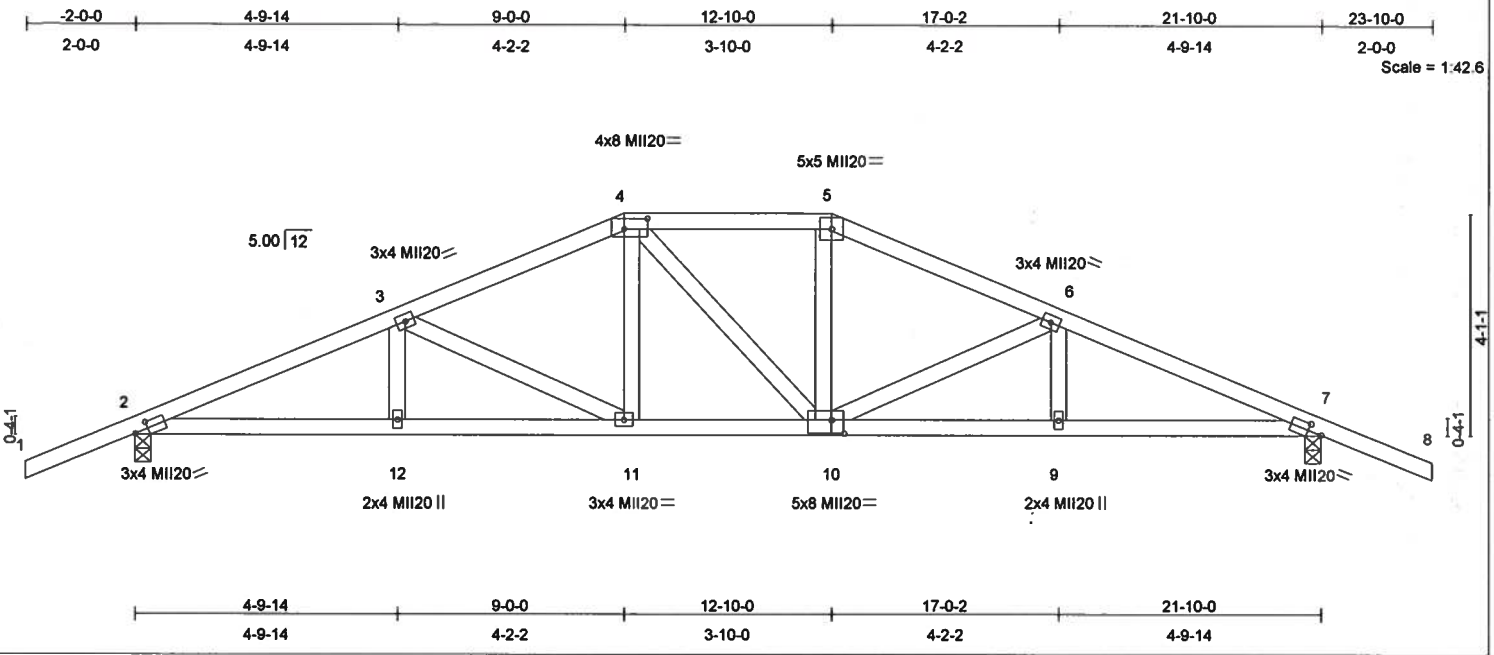

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [4:0-5-4,0-2-4], [7:0-3-0,0-1-8], [10:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.05	11	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.14	11-12	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 110 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=990/0-3-8, 7=990/0-3-8
Max Horz 2=93(load case 5)
Max Uplift2=-280(load case 5), 7=-280(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1714/250, 3-4=-1315/237, 4-5=-1178/238, 5-6=-1324/237, 6-7=-1713/250, 7-8=0/45
BOT CHORD 2-12=-207/1517, 11-12=-207/1517, 10-11=-110/1178, 9-10=-172/1516, 7-9=-172/1516
WEBS 3-12=0/184, 3-11=-388/108, 4-11=-13/294, 4-10=-114/110, 5-10=-16/293, 6-10=-381/109, 6-9=0/180

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 2 and 280 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	B3	COMMON	1	1	T1849198

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:38 2005 Page 1

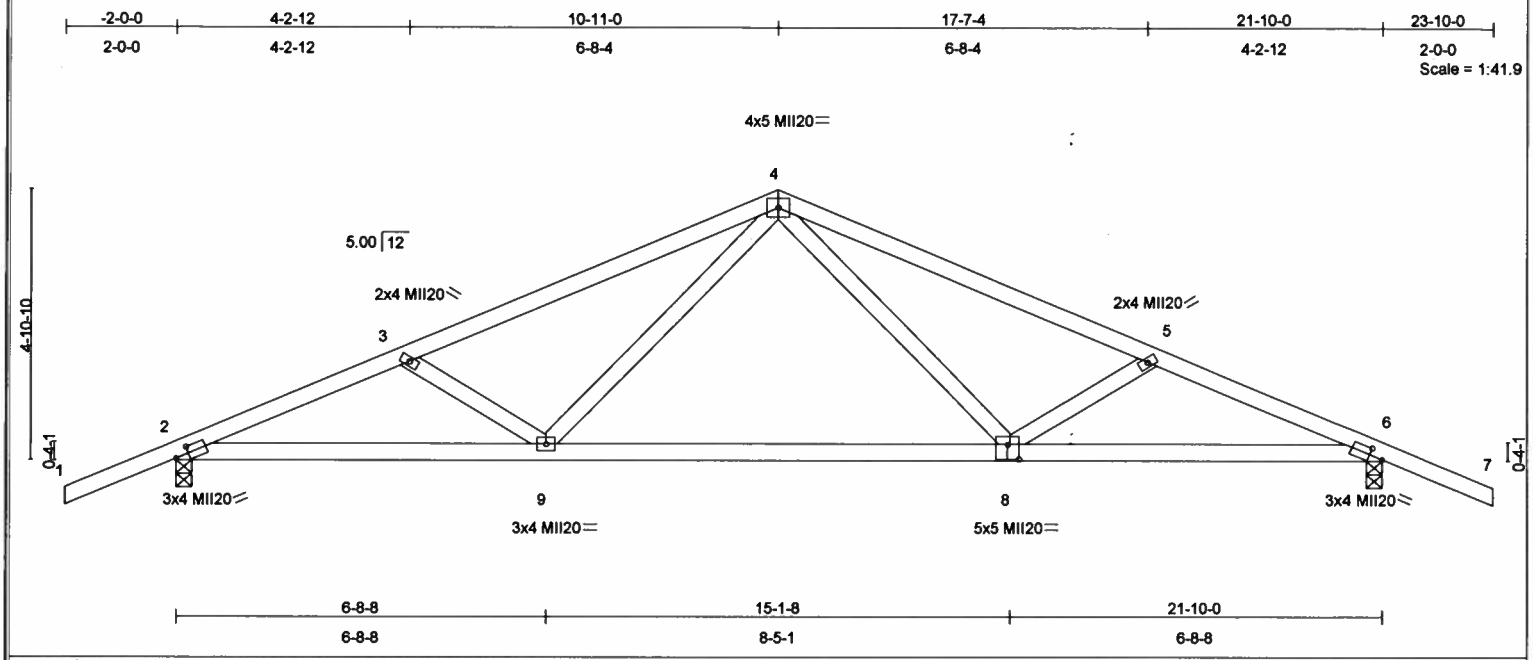

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [6:0-3-0,0-1-8], [8:0-2-8,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.10	8-9	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.30	8-9	>859	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=990/0-3-8, 6=990/0-3-8
Max Horz 2=-105(load case 6)
Max Uplift2=-293(load case 5), 6=-293(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1773/338, 3-4=-1505/249, 4-5=-1505/249, 5-6=-1773/339, 6-7=0/45
BOT CHORD 2-9=-320/1585, 8-9=-126/1025, 6-8=-216/1585
WEBS 3-9=-352/208, 4-9=-29/510, 4-8=-30/510, 5-8=-352/209

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 2 and 293 lb uplift at joint 6.

LOAD CASE(S) Standard

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November 7,2005

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Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	BGT	COMMON	1	2	T1849199

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:39 2005 Page 1

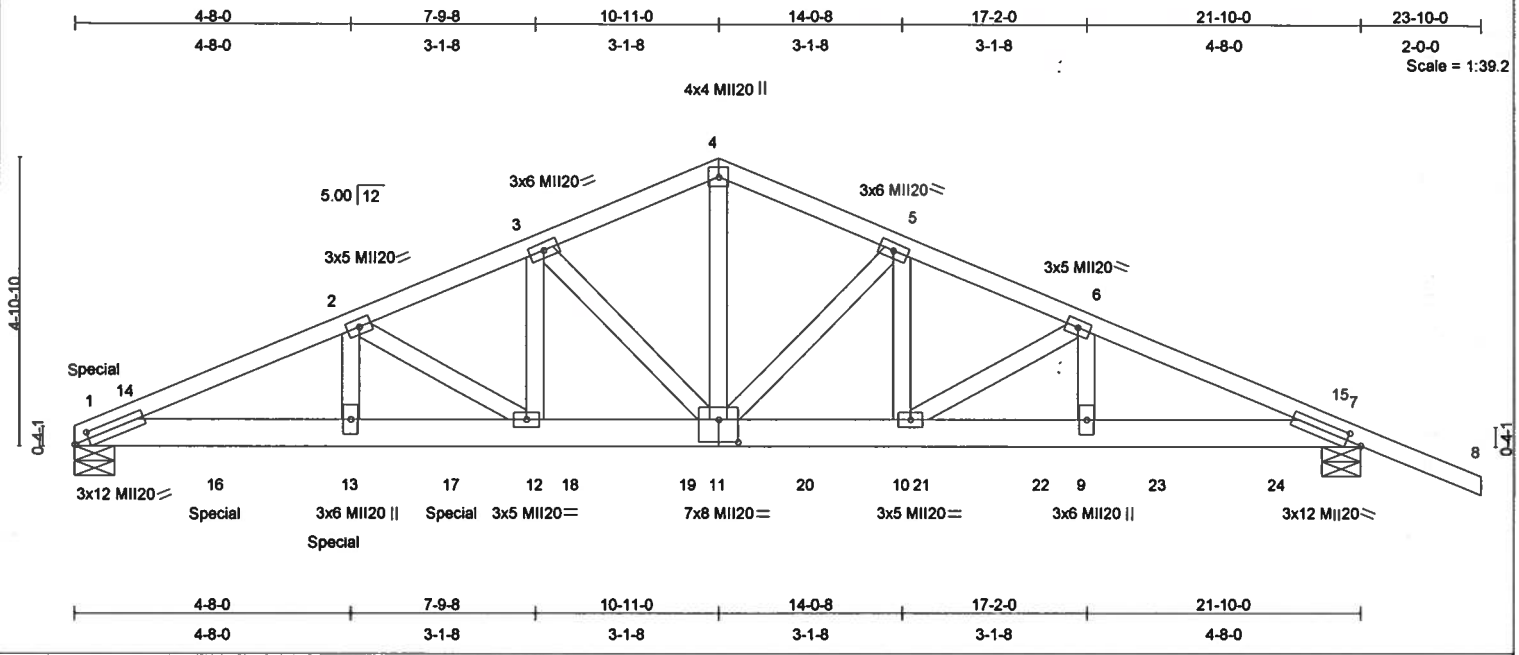

Plate Offsets (X,Y): [1:0-3-1,0-1-8], [7:0-3-1,0-1-8], [11:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.16	10-11	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.38	10-11	>661	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.11	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 261 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3 *Except*
4-11 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=5698/0-8-0, 7=5833/0-8-0
Max Horz 1=67(load case 5)
Max Uplift1=-1214(load case 5), 7=-1282(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-11119/2324, 2-14=-11116/2340, 2-3=-9449/2034, 3-4=-7566/1661, 4-5=-7565/1661, 5-6=-9648/2106, 6-15=-11782/2564, 7-15=-11785/2548, 7-8=0/0
BOT CHORD 1-16=-2164/10146, 13-16=-2164/10146, 13-17=-2164/10146, 12-17=-2164/10146, 12-18=-1835/8696, 18-19=-1835/8696, 11-19=-1835/8696, 11-20=-1834/8878, 10-20=-1834/8878, 10-21=-2304/10764, 21-22=-2304/10764, 9-22=-2304/10764, 9-23=-2304/10764, 23-24=-2304/10764, 7-24=-2304/10764
WEBS 2-13=-238/1476, 2-12=-1708/385, 3-12=-473/2345, 3-11=-2475/572, 4-11=-1177/5520, 5-11=-2735/667, 5-10=-569/2612, 6-10=-2217/550, 6-9=-381/1910

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1214 lb uplift at joint 1 and 1282 lb uplift at joint 7.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 623 lb down and 139 lb up at 0-4-0, 810 lb down and 169 lb up at 2-4-12, 810 lb down and 150 lb up at 4-4-12, 810 lb down and 166 lb up at 6-4-12, 971 lb down and 218 lb up at 8-4-12, 971 lb down and 218 lb up at 10-4-12, 971 lb down and 218 lb up at 12-4-12, 971 lb down and 218 lb up at 14-4-12, 971 lb down and 218 lb up at 16-4-12, and 971 lb down and 218 lb up at 18-4-12, and 971 lb down and 218 lb up at 20-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-14=-40, 4-14=-60, 4-15=-60, 7-15=-40, 1-7=-20

Concentrated Loads (lb)

Vert: 1=-623(B) 13=-810(B) 16=-810(B) 17=-810(B) 18=-971(B) 19=-971(B) 20=-971(B) 21=-971(B) 22=-971(B) 23=-971(B) 24=-971(B)

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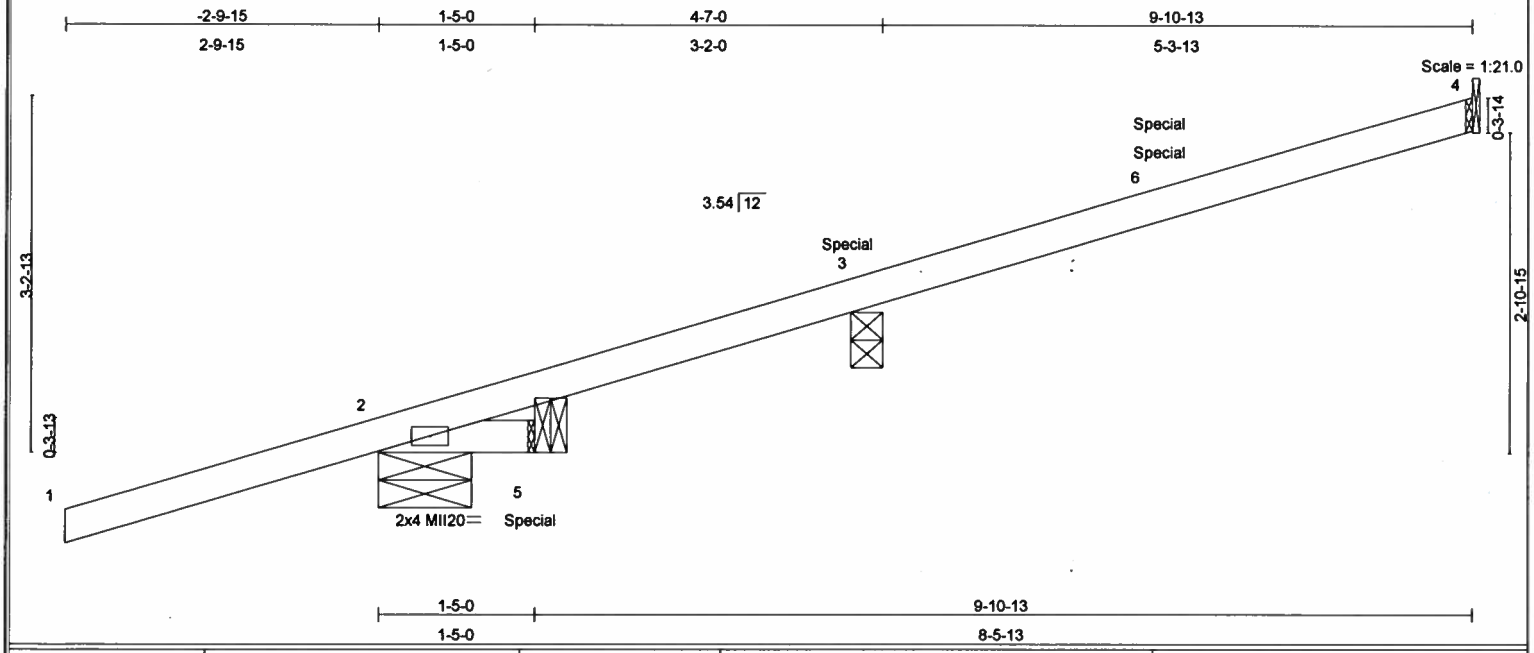
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	CJ01	MONO TRUSS	2	1	T1849200

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:40 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.00	2	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-5-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=183/Mechanical, 2=332/0-10-3, 5=23/0-3-8, 3=668/0-3-8
Max Horz 2=170(load case 3)
Max Uplift4=-112(load case 3), 2=-224(load case 3), 3=-353(load case 4)
Max Grav4=183(load case 1), 2=332(load case 1), 5=45(load case 2), 3=668(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-92/34, 3-6=-73/0, 4-6=-39/43
BOT CHORD 2-5=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 4, 224 lb uplift at joint 2 and 353 lb uplift at joint 3.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 23 lb up at 4-3-4, 294 lb down and 147 lb up at 4-3-4, and 61 lb down and 60 lb up at 7-1-3, and 53 lb down and 45 lb up at 7-1-3 on top chord, and 19 lb down at 1-4-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 5=-10(B) 3=-295(F=-294, B=-1) 6=-114(F=-53, B=-61)

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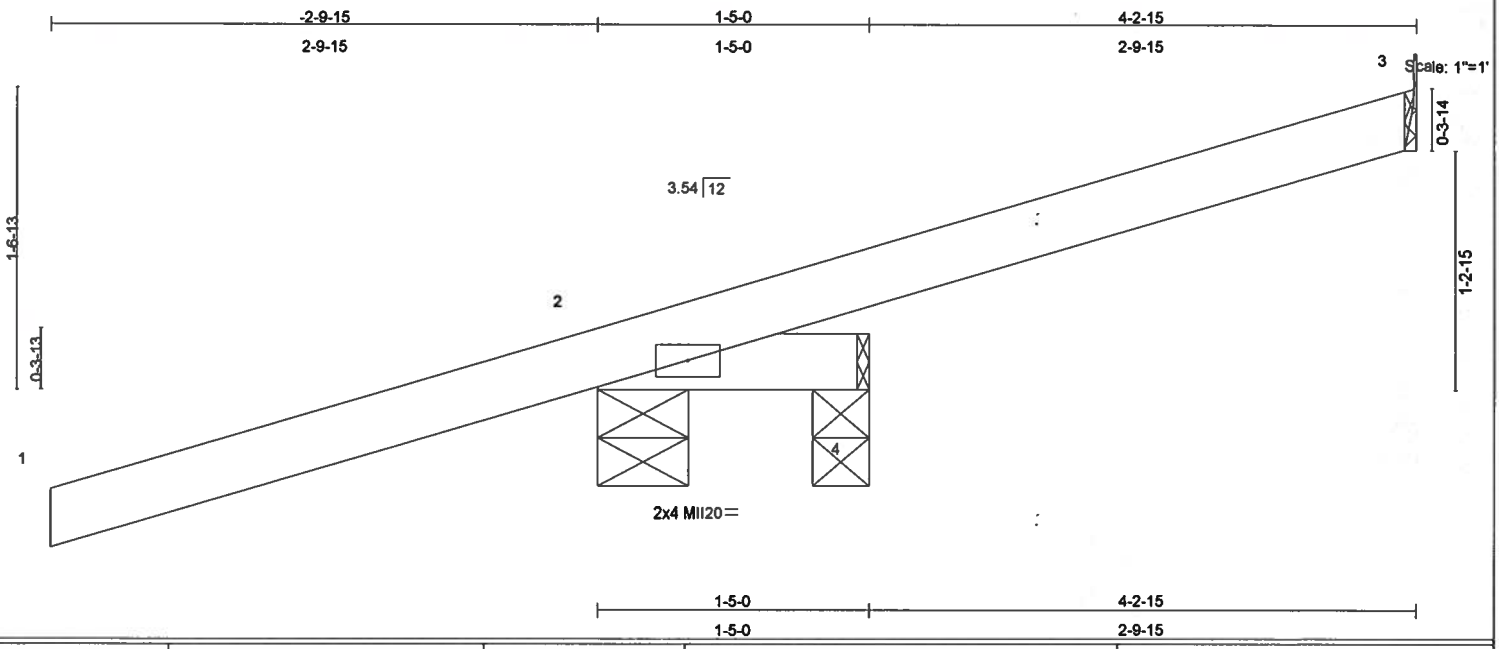
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	CJ02	MONO TRUSS	2	1	T1849201

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 15:18:06 2005 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.00	2	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-5-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=65/Mechanical, 2=370/0-5-11, 4=23/0-3-8
Max Horz 2=103(load case 3)
Max Uplift3=-33(load case 4), 2=-261(load case 3)
Max Grav 3=65(load case 1), 2=370(load case 1), 4=34(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-53/12
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3 and 261 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 2 lb up at 1-4-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 2-4=-20
Concentrated Loads (lb)
Vert: 4=-9(F)

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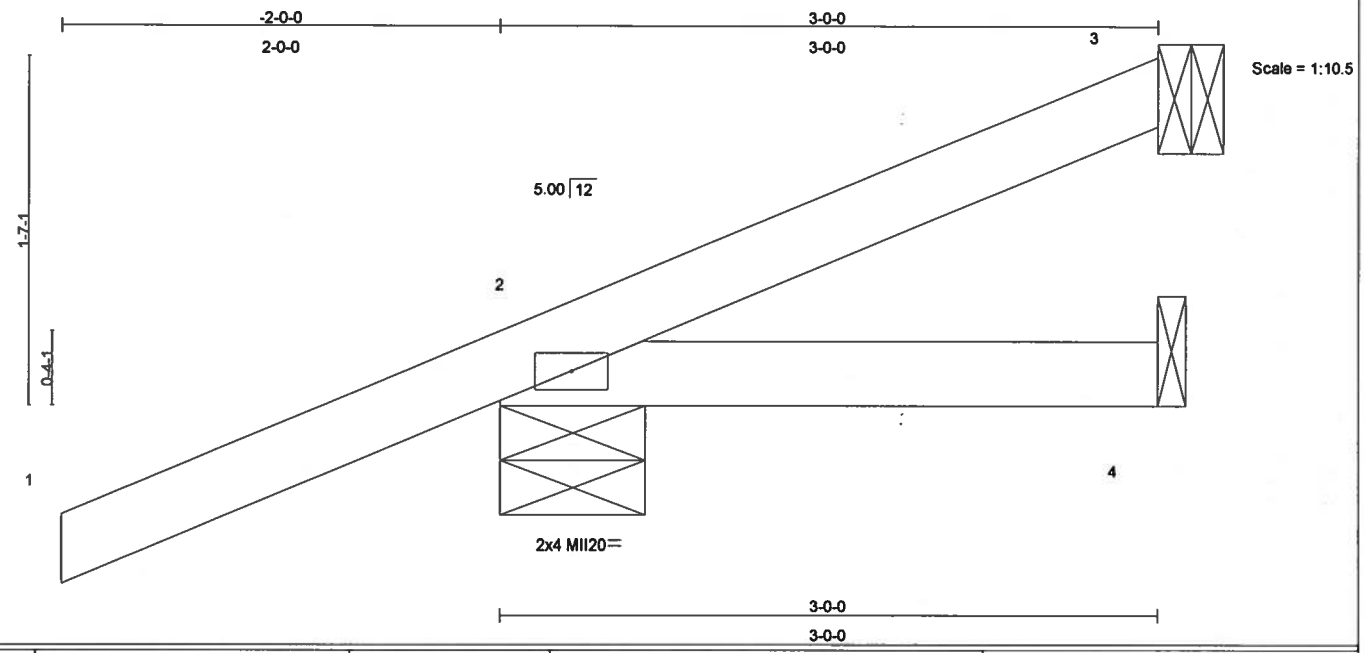
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	EJ3	JACK	9	1	T1849202

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:41 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2-4	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=11/Mechanical, 2=306/0-8-0, 4=26/Mechanical
Max Horz 2=100(load case 5)
Max Uplift 3=-19(load case 4), 2=-204(load case 5)
Max Grav 3=20(load case 3), 2=306(load case 1), 4=52(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-61/7
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 3 and 204 lb uplift at joint 2.

LOAD CASE(S) Standard

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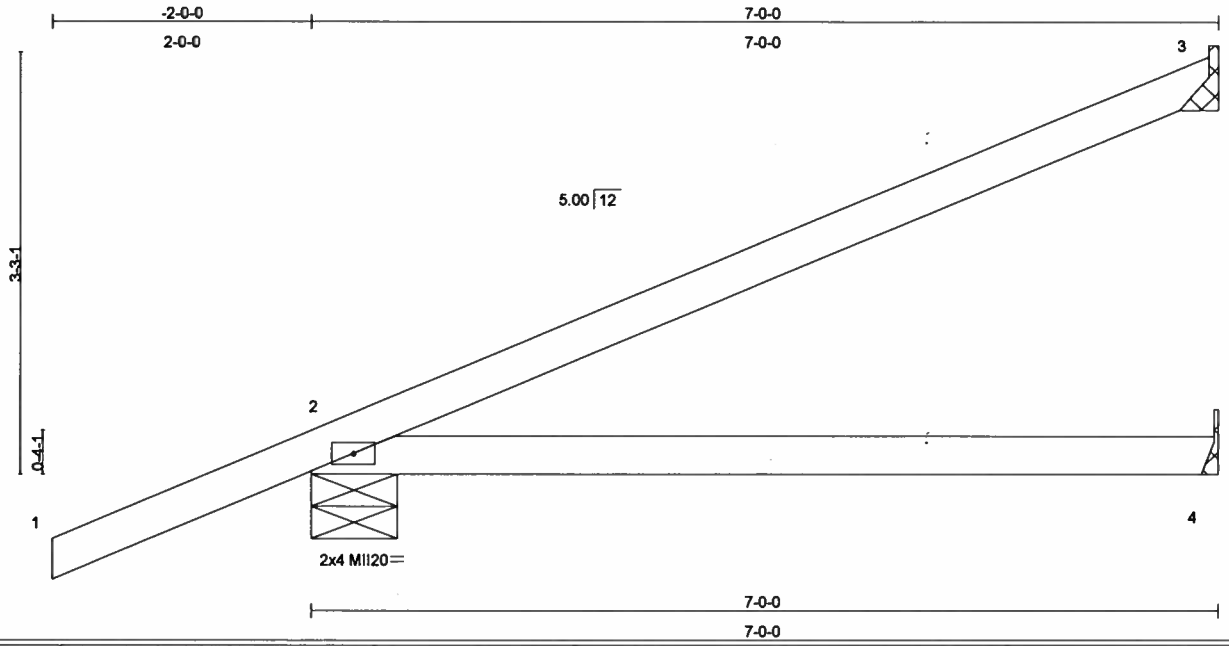
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	EJ7	JACK	5	1	T1849203

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:42 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.09	2-4	>843	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.23	2-4	>337	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 3=171/Mechanical, 2=427/0-8-0, 4=66/Mechanical
Max Horz 2=168(load case 5)
Max Uplift 3=-99(load case 5), 2=-191(load case 5)
Max Grav 3=171(load case 1), 2=427(load case 1), 4=132(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-89/53
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 3 and 191 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 7,2005

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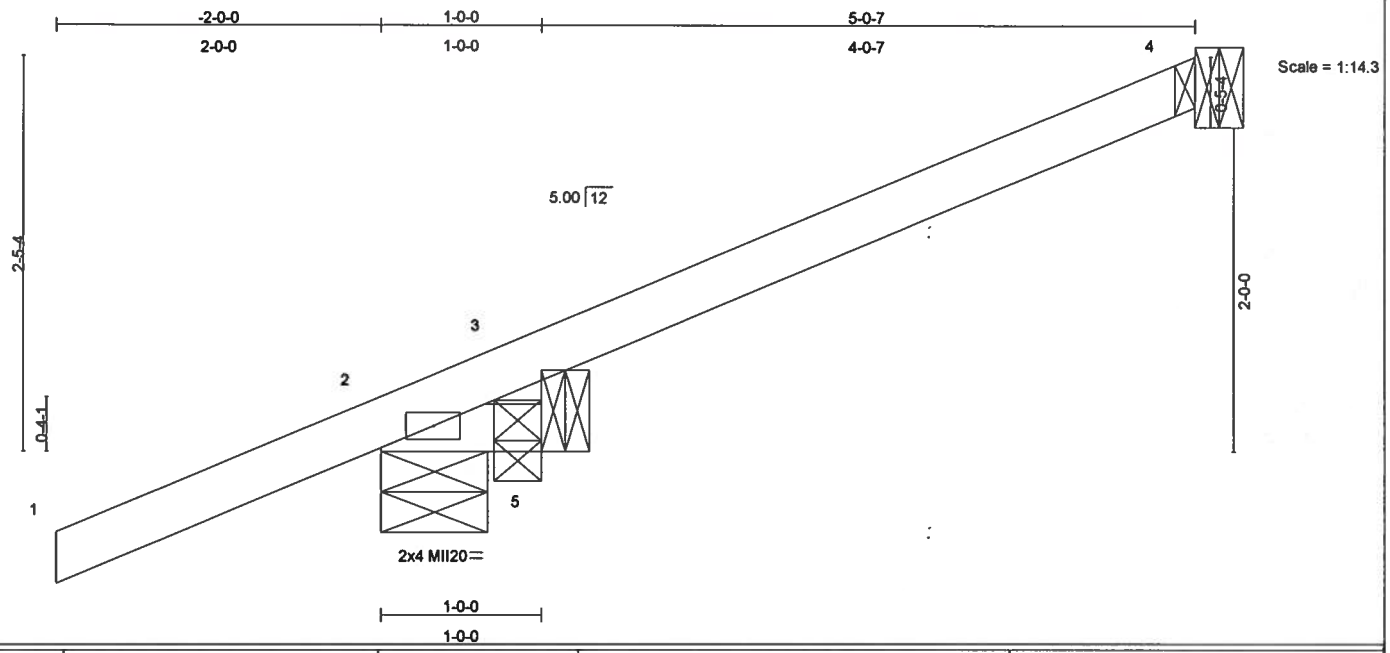
Job	Truss	Truss Type	Qty	Ply	T1849204
ZAHLERJ	J01	JACK	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:42 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	2	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 4=121/Mechanical, 2=319/0-8-0, 5=9/0-3-8, 3=-18/0-3-8
Max Horz 2=135(load case 5)
Max Uplift 4=-76(load case 5), 2=-252(load case 5), 3=-26(load case 6)
Max Grav 4=121(load case 1), 2=319(load case 1), 5=18(load case 2), 3=75(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-83/0, 3-4=-43/37
BOT CHORD 2-5=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 4, 252 lb uplift at joint 2 and 26 lb uplift at joint 3.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.

LOAD CASE(S) Standard

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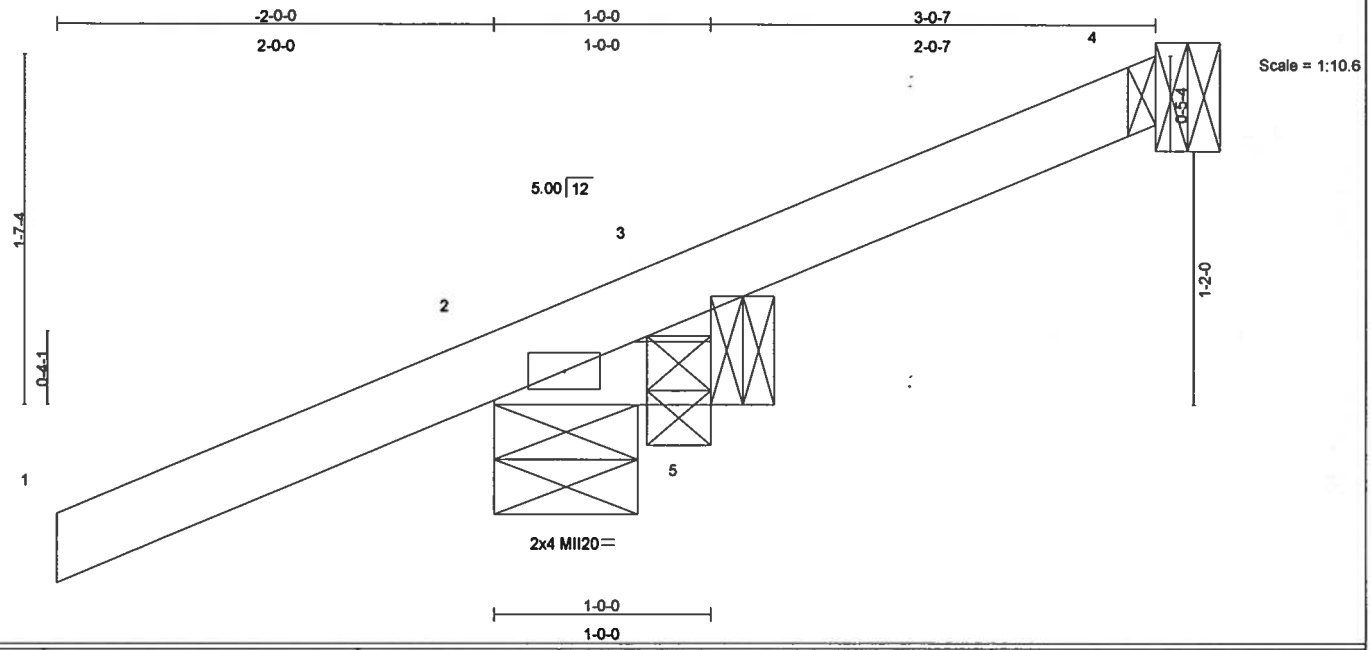
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	J01A	JACK	2	1	T1849205

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:43 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	2	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

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

REACTIONS (lb/size) 4=61/Mechanical, 2=319/0-8-0, 5=9/0-3-8, 3=-78/0-3-8
Max Horz 2=101(load case 5)
Max Uplift4=-38(load case 5), 2=-269(load case 5), 3=-78(load case 1)
Max Grav4=61(load case 1), 2=319(load case 1), 5=18(load case 2), 3=115(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-83/30, 3-4=-22/19
BOT CHORD 2-5=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 4, 269 lb uplift at joint 2 and 78 lb uplift at joint 3.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

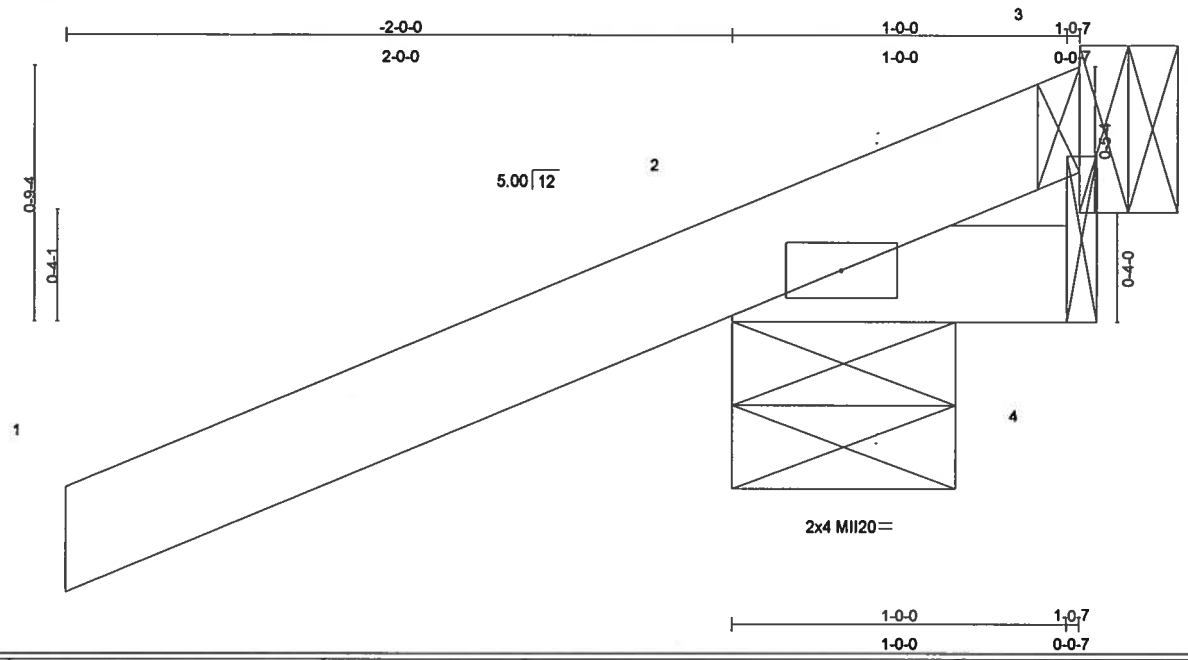
November 7,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek

Job	Truss	Truss Type	Qty	Ply	T1849206
ZAHLERJ	J01B	JACK	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL , p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:44 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	2	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=298/0-8-0, 4=9/Mechanical, 3=-108/Mechanical
Max Horz 2=69(load case 5)
Max Uplift2=-260(load case 5), 3=-108(load case 1)
Max Grav 2=298(load case 1), 4=18(load case 2), 3=125(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-71/54
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2 and 108 lb uplift at joint 3.

LOAD CASE(S) Standard

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November 7,2005

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Tampa, FL 33619

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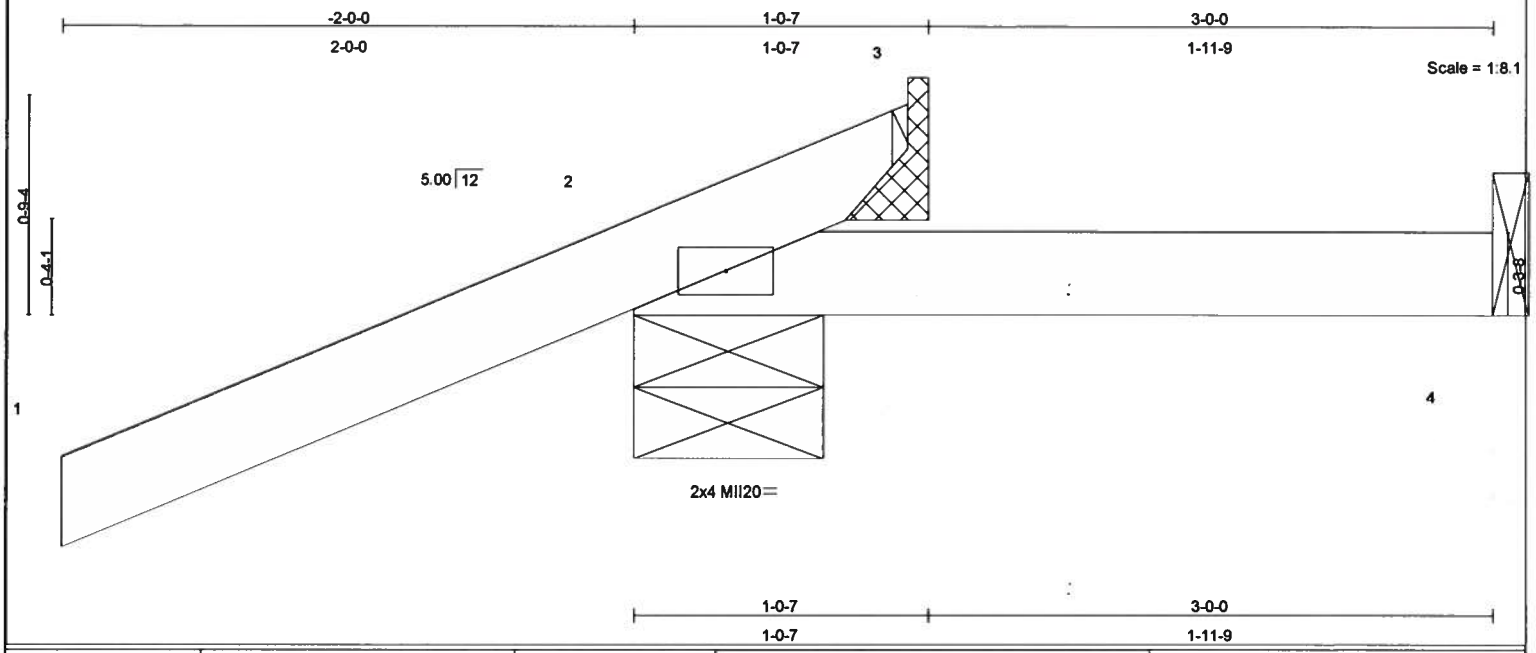
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	J03B	JACK	2	1	T1849207

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:44 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	2-4	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=317/0-8-0, 4=29/Mechanical, 3=-108/Mechanical
Max Horz 2=69(load case 5)
Max Uplift2=-250(load case 5), 3=-108(load case 1)
Max Grav 2=317(load case 1), 4=57(load case 2), 3=125(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-71/54
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 2 and 108 lb uplift at joint 3.

LOAD CASE(S) Standard

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November 7,2005

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Tampa, FL 33619

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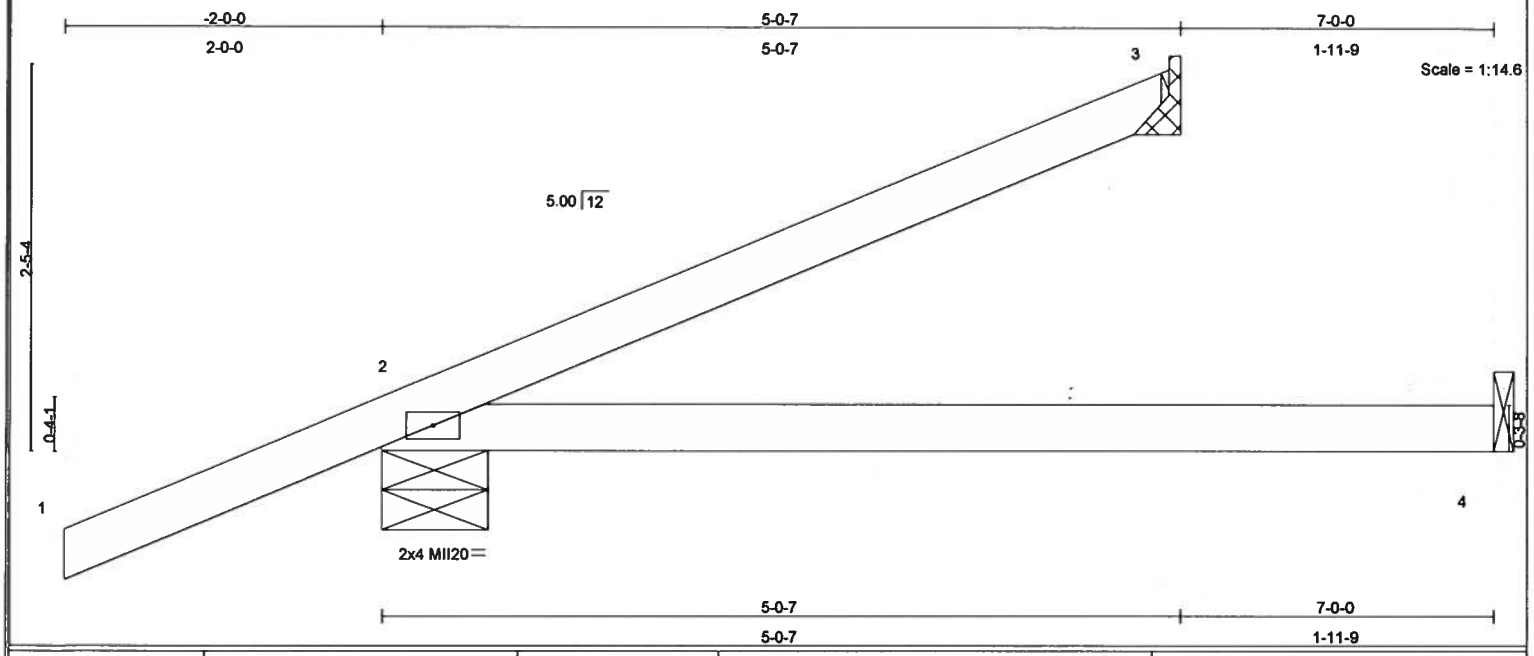
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	J07	JACK	2	1	T1849208

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:45 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	2-4	>843	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.23	2-4	>337	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=101/Mechanical, 2=379/0-8-0, 4=66/Mechanical
Max Horz 2=135(load case 5)
Max Uplift 3=-52(load case 5), 2=-179(load case 5)
Max Grav 3=101(load case 1), 2=379(load case 1), 4=132(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-71/30
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 3 and 179 lb uplift at joint 2.

LOAD CASE(S) Standard

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November 7,2005

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Tampa, FL 33619

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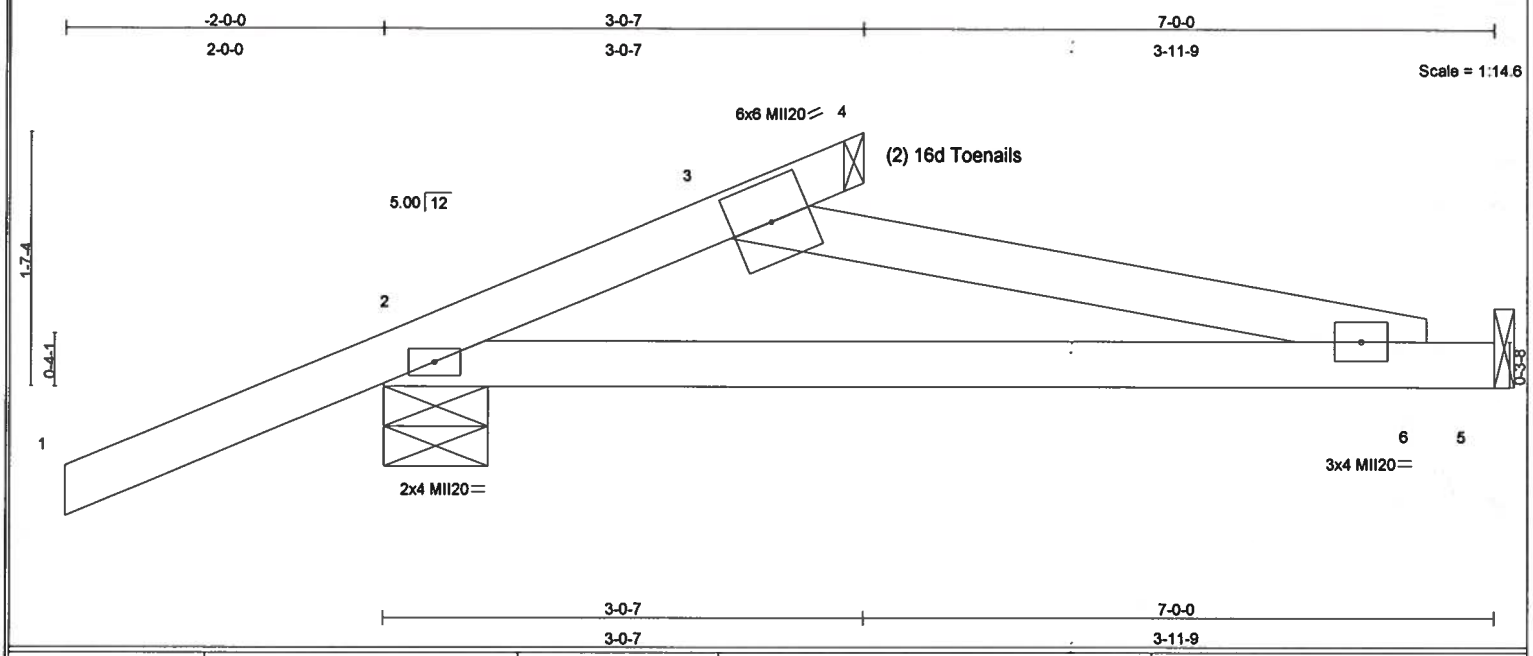
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	J07A	JACK	2	1	T1849209

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:45 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	2-6	>843	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.24	2-6	>336	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=360/0-8-0, 5=75/Mechanical
Max Horz 2=100(load case 5)
Max Uplift2=-173(load case 5)
Max Grav 2=360(load case 1), 5=135(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-107/67, 3-4=-20/0
BOT CHORD 2-6=-85/42, 5-6=0/0
WEBS 3-6=-43/87

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2.

LOAD CASE(S) Standard

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Tampa FL 33619
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November 7,2005

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Tampa, FL 33619

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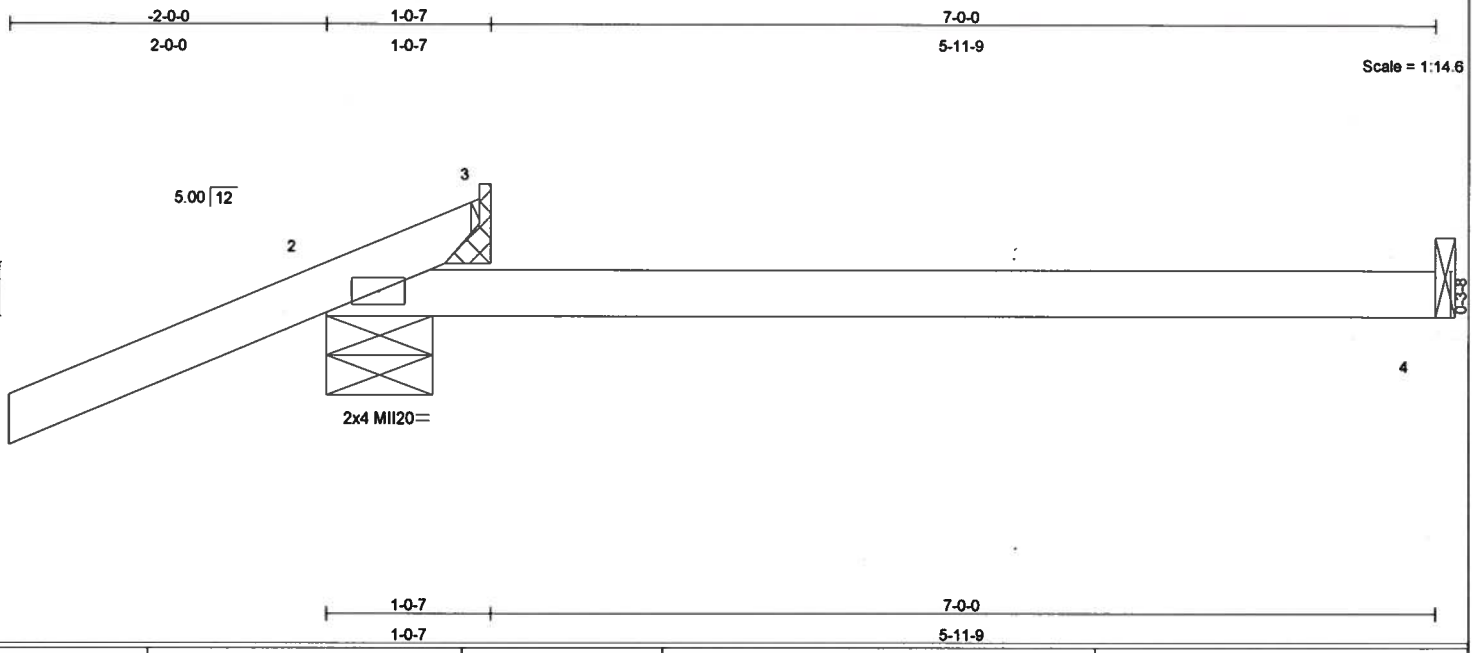
Job	Truss	Truss Type	Qty	Ply	
ZAHLERJ	J07B	JACK	2	1	T1849210

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL., p.colacino — 6.200 s Oct 18 2005 MiTek Industries, Inc. Mon Nov 07 14:17:46 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.11	2-4	>749	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.28	2-4	>300	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=357/0-8-0, 4=69/Mechanical, 3=-108/Mechanical
Max Horz 2=69(load case 5)
Max Uplift2=-230(load case 5), 3=-108(load case 1)
Max Grav 2=357(load case 1), 4=137(load case 2), 3=125(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-71/54
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 108 lb uplift at joint 3.

LOAD CASE(S) Standard

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Tampa FL 33619
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November 7,2005

1801 Massaro Blvd.
Tampa, FL 33619

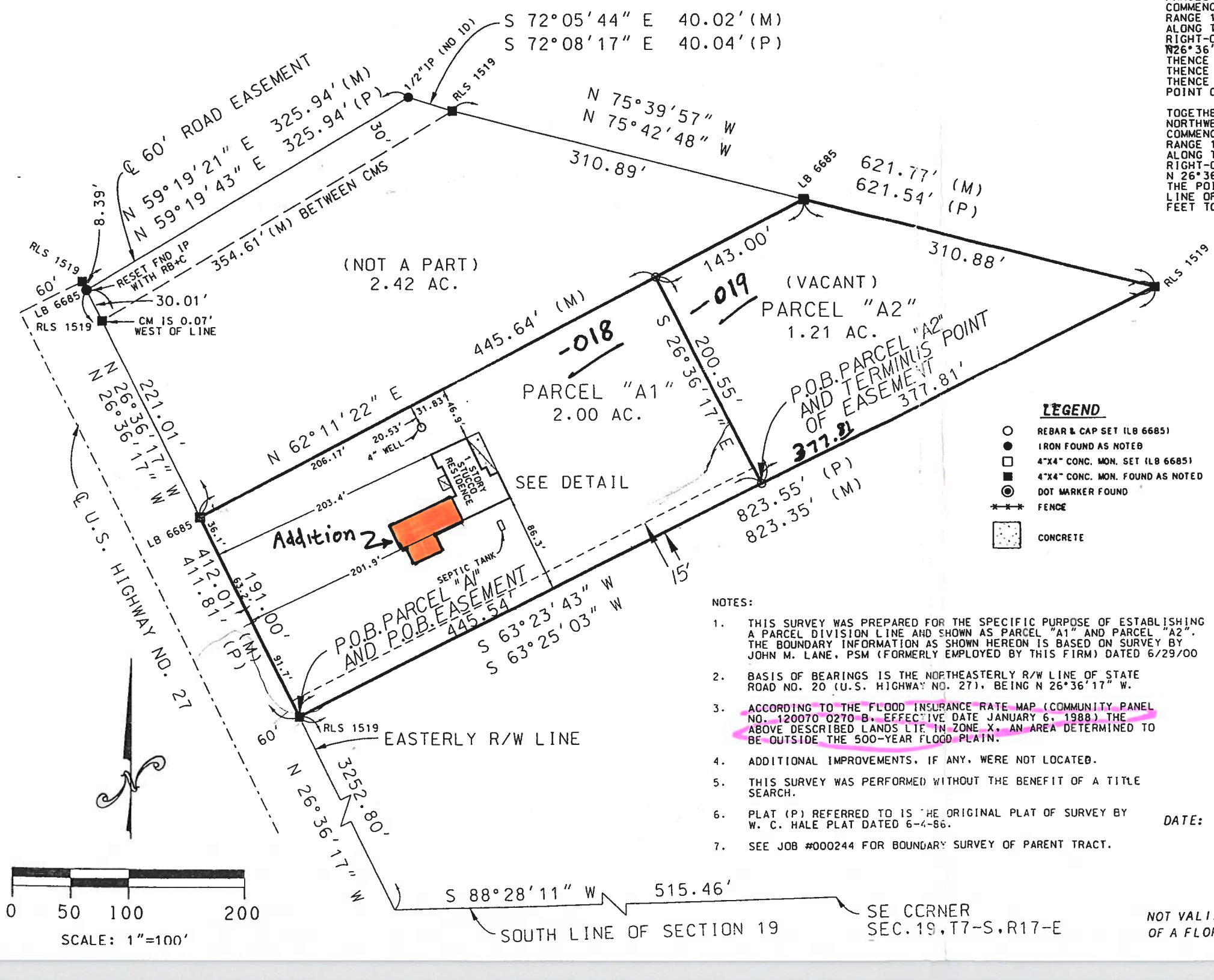
MiTek

SPECIFIC PURPOSE BOUNDARY SURVEY
IN
THE S 1/2 OF NE 1/4 SECTION 19, T7-S, R17-E COLUMBIA COUNTY, FLORIDA

• 2053 S.W. U.S. Hwy 27
Ft White, FL 32038

ABBREVIATIONS:

FND = FOUND	POB = POINT OF BEGINNING
℄ = CENTERLINE	POC = POINT OF COMMENCEMENT
P = PLAT	NO ID = NO IDENTIFICATION
D = DEED	R/W = RIGHT-OF-WAY
C = CALCULATED	PCP = PERMANENT CONTROL POINT
M = MEASURED	PRM = PERMANENT REFERENCE MONUMENT
O/S = OFFSET	CM = CONCRETE MONUMENT
IP = IRON PIPE	IR = IRON ROD
RB = REBAR	RB+C = REBAR & CAP
NL = NAIL	NL+D = NAIL & DISC



LEGEND

- ○ REBAR & CAP SET (LB 6685)
- ● IRON FOUND AS NOTED
- □ 4"X4" CONC. MON. SET (LB 6685)
- ■ 4"X4" CONC. MON. FOUND AS NOTED
- ◉ DOT MARKER FOUND
- FENCE
- CONCRETE

NOTES:

1. THIS SURVEY WAS PREPARED FOR THE SPECIFIC PURPOSE OF ESTABLISHING A PARCEL DIVISION LINE AND SHOWN AS PARCEL "A1" AND PARCEL "A2". THE BOUNDARY INFORMATION AS SHOWN HEREON IS BASED ON SURVEY BY JOHN M. LANE, PSM (FORMERLY EMPLOYED BY THIS FIRM) DATED 6/29/00
2. BASIS OF BEARINGS IS THE NORTHEASTERLY R/W LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), BEING N 26°36'17" W.
3. ACCORDING TO THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL NO. 120070 0270 B, EFFECTIVE DATE JANUARY 6, 1988) THE ABOVE DESCRIBED LANDS LIE IN ZONE X, AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN.
4. ADDITIONAL IMPROVEMENTS, IF ANY, WERE NOT LOCATED.
5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE SEARCH.
6. PLAT (P) REFERRED TO IS THE ORIGINAL PLAT OF SURVEY BY W. C. HALE PLAT DATED 6-4-86.
7. SEE JOB #000244 FOR BOUNDARY SURVEY OF PARENT TRACT.

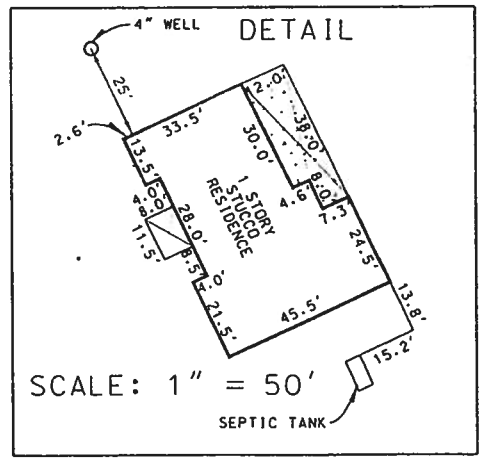
DESCRIPTION

PARCEL "A1"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), THENCE N 26°36'17" W ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 26°36'17" W ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 191.00 FEET; THENCE N 62°11'22" E, 445.64 FEET; THENCE S 26°36'17" E, 200.55 FEET; THENCE S 63°25'03" W, 445.54 FEET TO THE POINT OF BEGINNING. CONTAINING 2.00 ACRES, MORE OR LESS.

PARCEL "A2"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11"W ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), THENCE N26°36'17" W ALONG THE SAID EASTERLY RIGHT-OF-WAY LINE, 3252.80 FEET; THENCE N 63°25'03" E, A DISTANCE OF 445.54 FEET TO THE POINT OF BEGINNING. THENCE CONTINUE N 63°25'03" E, 377.81 FEET; THENCE N 75°39'57" W, 310.88 FEET; THENCE S 62°11'22" W, 143.00 FEET; THENCE S 26°36'17" E, 200.55 FEET TO THE POINT OF BEGINNING. CONTAINING 1.21 ACRES, MORE OR LESS.

TOGETHER WITH: A 15.0 FOOT WIDE EASEMENT FOR INGRESS AND EGRESS, LYING NORTHWEST OF WITH THE FOLLOWING DESCRIBED LINE.
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°28'11" W, ALONG THE SOUTH LINE OF SAID SECTION 19, 515.46 FEET TO THE EASTERLY RIGHT-OF-WAY OF STATE ROAD NO. 20 (U.S. HIGHWAY NO. 27), THENCE N 26°36'17" W, ALONG SAID EASTERLY RIGHT-OF-WAY LINE 3252.80 FEET TO THE POINT OF BEGINNING; THENCE N 63°25'03" E, ALONG THE SOUTHERLY LINE OF SAID EASEMENT FOR INGRESS AND EGRESS A DISTANCE OF 445.54 FEET TO THE TERMINUS POINT OF SAID EASEMENT FOR INGRESS AND EGRESS.

• Parcel ID # 19-7S-17-10026-018 (WITH HOUSE)



CERTIFIED TO:

JOHN DUFF
EILEEN MARTINEZ
SUNTRUST BANK
ALACHUA COUNTY ABSTRACT

DATE: 07/12/01 SIGNED:

THOMAS E. DURRANCE, PLS
FLORIDA CERT. NO. 4534
BAILEY BISHOP & LANE, INC.
LB 6685

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

BAILEY BISHOP & LANE, INC.
3107 SW BARNETT WAY
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5840
FAX (904) 755-7771

EILEEN MARTINEZ
RITZIE

REVISIONS
LEGAL CORRECTION 08/30/01

DRAWN BY
ALS

DATE OF FIELD WORK
BOUNDARY
07/11/01
FOUNDATION
RESIDENCE

JOB NO.
010194

FIELD BOOK
144 : 27
EFB

DATE
07/11/01

SHEET NO.
1 OF 1