DATE 08/24/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000022225

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 507 W DUVAL STREET SUITE 103 LAKE CITY FL 32024

OWNER CHAD & KELLI CREWS PHONE 758-1049

ADDRESS 1043 SW BISHOP AVE LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 47S, TR ON BISHOP, 7TH LOT ON RIGHT, ABOUT 1/4 MILE, ISAAC
SIGN ON LOT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 161800.00

HEATED FLOOR AREA 3236.00 TOTAL AREA 4795.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 26

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

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

PARCEL ID 35-4S-16-03298-007 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.05

000000387 Culvert Permit No. | Y Culvert Waiver | CBC059323 Contractor's License Number | Applicant/Owner/Contractor

WAIVER Driveway Connection | 04-0825-N Septic Tank Number | BK LU & Zoning checked by | RJ Approved for Issuance | Y New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 9833

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 $ 810.00 CERTIFICATION FEE $ 23.98 SURCHARGE FEE $ 23.98

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ WASTE FEE $

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ **TOTAL FEE** 907.96

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.

Isaac Const. Chad Crews CK# 9833 907.96 | $50 9832 0408-27 8-6-04 LH

Columbia County Building Permit Application

For Office Use Only Application # 0408-27 Date Received 8-6-04 By LH Permit # 38722225

Application Approved by - Zoning Official BLK Date 23.08.04 Plans Examiner _____ Date _____

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

Comments _____

Applicants Name Linda Roder of North Florida Permit Phone 386-752-2281

Address 507 W. Duval St. Suite 103 Lake City FL 32024

Owners Name Chad & Kelli Crews Phone 758-1049

911 Address 1043 S.W. Bishop Ave Lake City FL 32024

Contractors Name Isaac Construction Phone 386-719-7143

Address 1005 S.W. Walter Ave Lake City FL 32024

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Will Myers / Nick Geisler

Mortgage Lenders Name & Address Campus Credit Union

Property ID Number 35-4S-16-03298-007 Estimated Cost of Construction $158,000

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Hwy 47 S. go R before Columbia City on Bishop Ave. Lane. Go about 1/4 mile. See Sign on lot on Right. 7th lot on right

Type of Construction Single Family Dwelling Number of Existing Dwellings on Property 0

Total Acreage _____ Lot Size 5.05 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 58'-0" Side 139'-9" Side 116' Rear 499'-4"

Total Building Height 26'-9" Number of Stories 2 Heated Floor Area 3236 Roof Pitch 8-12

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

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

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

Owner Builder or Agent (Including Contractor) — Linda R. Roder Commission #DD303275 Expires: Mar 24, 2008 Bonded Thru Atlantic Bonding Co., Inc.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 3 day of August 20 04.

Personally known ✓ or Produced Identification ____

X _____
Contractor Signature

Contractors License Number CBC 059323

Competency Card Number _____

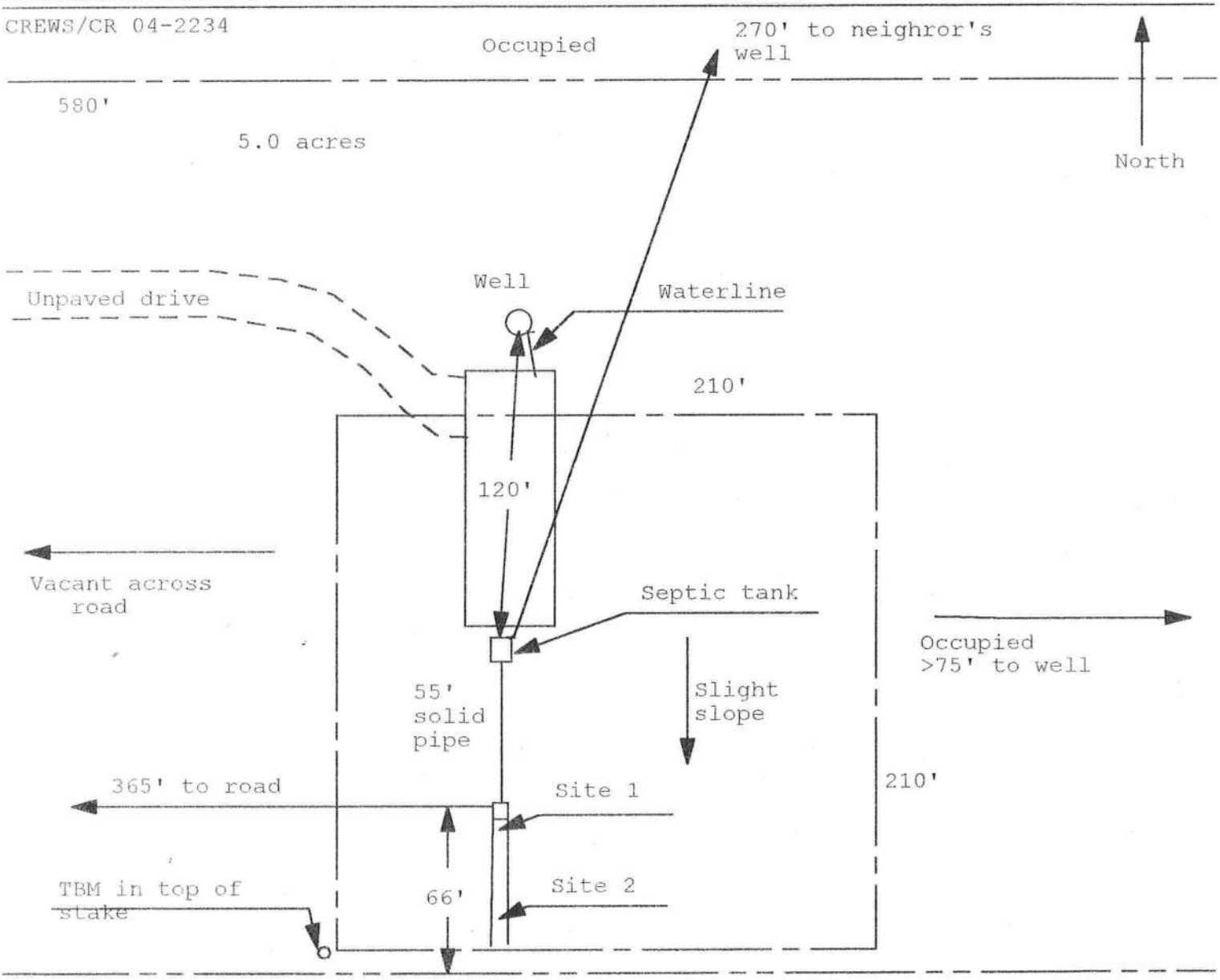
NOTARY STAMP/SEAL

Linda R. Roder
Notary Signature

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

Permit Application Number: 04-0825N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

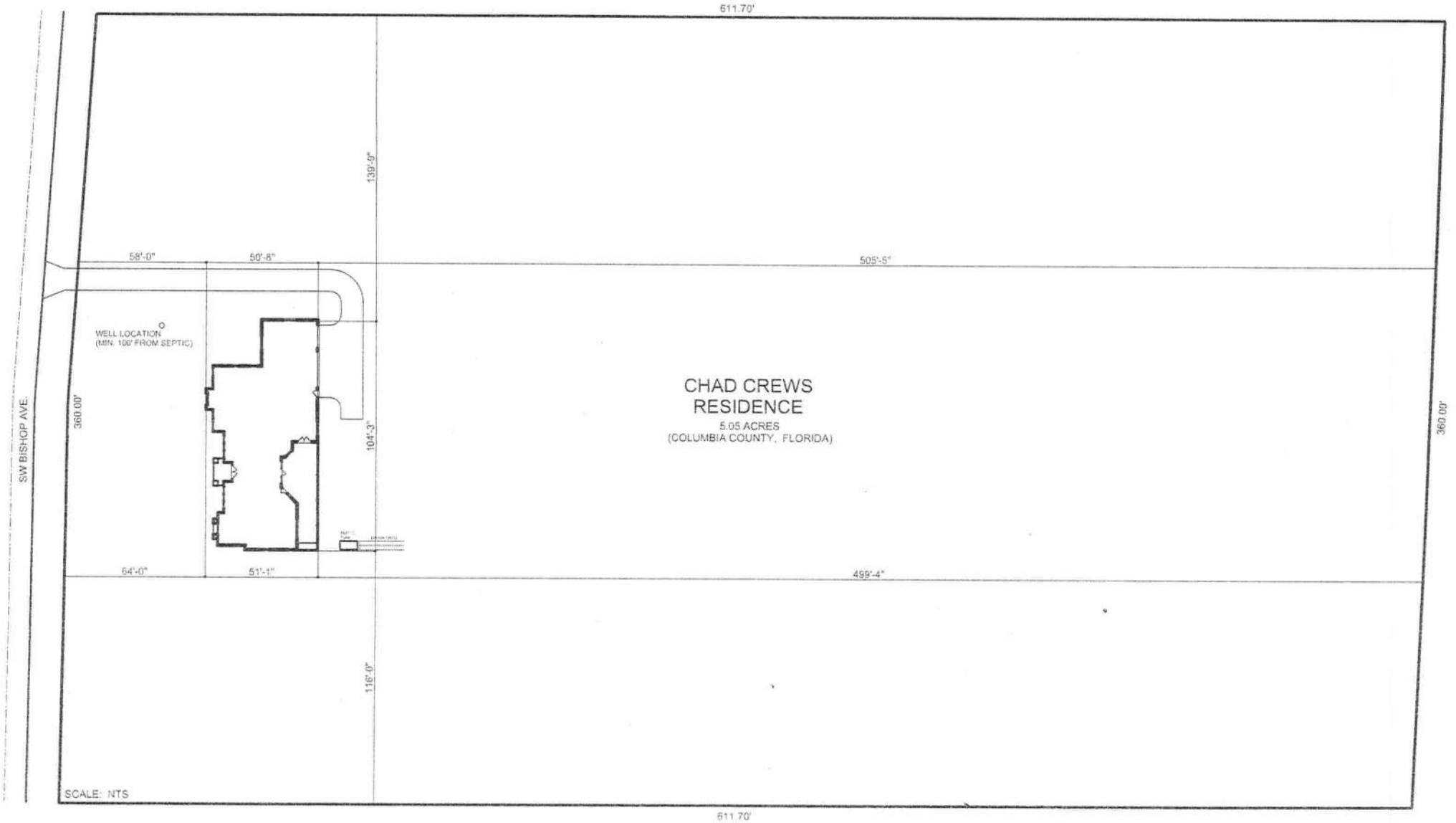


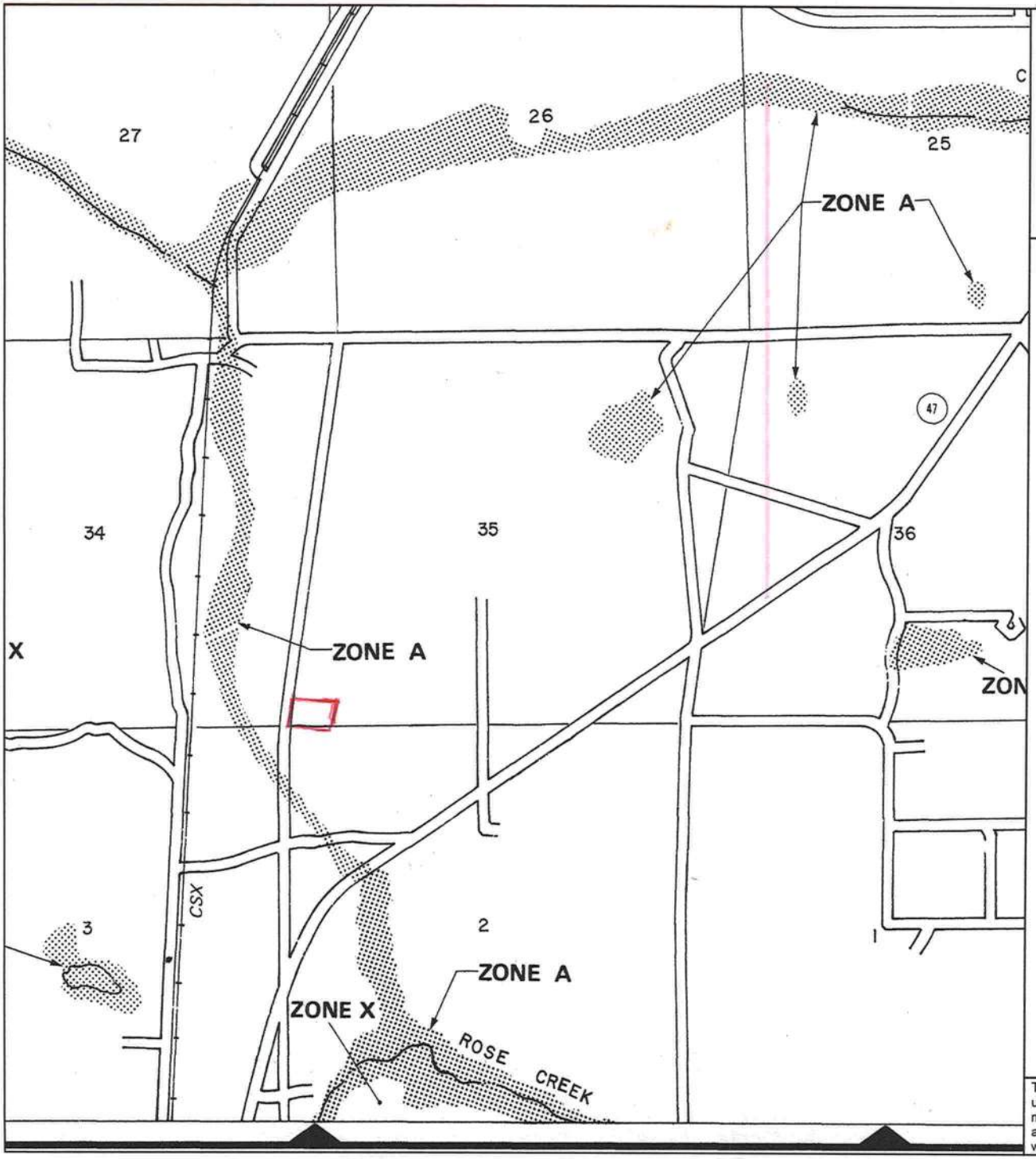
Site Plan Submitted By Paul Lloyd Date 8/3/04

Plan Approved ✓ Not Approved ____ Date 8/3/04

By Paul Lloyd Sanitarian Senior CPHU 8-6-04

Notes: _____


611.70'
139'-0"
58'-0"
50'-8"
505'-5"
WELL LOCATION
(MIN. 100' FROM SEPTIC)
360.00'
104'-3"
CHAD CREWS
RESIDENCE
5.05 ACRES
(COLUMBIA COUNTY, FLORIDA)
360.00'
SW BISHOP AVE.
64'-0"
51'-1"
499'-4"
116'-0"
SCALE: NTS
611.70'



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

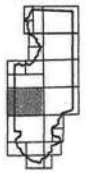
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 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: 8/23/2004 (printed at scale and type A)

0408-27

BK 0898 PG 0427

THIS INSTRUMENT WAS PREPARED BY: OFFICIAL RECORDS

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Recording Fee $ 10.50
Documentary Stamps FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL

00-03852

'00 MAR -3 AM 10:57

RECORD VERIFIED

RETURN TO:
TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328
00-83
Grantee S.S. No. 594-54-6895

Documentary Stamp # 245.00
Intangible Tax ---
P. DeWitt Cason
Clerk of Court
By MK D.C.

Property Appraiser's
Parcel Identification No.
35-4S-16-03298-007

WARRANTY DEED

THIS INDENTURE, made this 2nd day of March, 2000, BETWEEN RANDALL R. KING and his wife, SIBYL R. KING, whose post office address is Route 15, Box 3158, Lake City, Florida 32024, of the County of Columbia, State of Florida, grantor*, and CHAD E. CREWS, a single man, whose post office address is Post Office Box 3342, Lake City, FL 32056, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 35: The South 359.69 feet of the following described parcel: A part of the S 1/2 of the SW 1/4 of Section 35, Township 4 South, Range 16 East, more particularly described as follows: Commence at the SW corner of said Section 35 and run N 89°04'18" E, along the South line thereof 41.01 feet to a concrete monument on the East maintained right-of-way line of Bishop Road for a Point of Beginning; thence run N 06°22'37" E, along said maintained right-of-way, 765.51 feet; thence N 89°03'25" E, 611.70 feet; thence S 06°22'32" W, 765.67 feet to the South line of said Section 35; thence S 89°04'18" W, 611.70 feet to the Point of Beginning. COLUMBIA COUNTY, FLORIDA

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

(First Witness)
Terry McDavid
Printed Name

Randall R. King (SEAL)
RANDALL R. KING

(Second Witness)
DeEtte F. Brown
Printed Name

Sibyl R. King (SEAL)
SIBYL R. KING

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 2nd day of March, 2000, by RANDALL R. KING and SIBYL R. KING, who are personally known to me and who did not take an oath.

My Commission Expires:

DeEtte F. Brown
Notary Public
Printed, typed, or stamped name:

DE ETTE F. BROWN
MY COMMISSION # CC 774023
EXPIRES: October 22, 2002
Bonded Thru Notary Public Underwriters

NOTICE OF COMMENCEMENT

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with Sec. 713, Fla. Stat., the following information is provided in this NOTICE OF COMMENCEMENT.

DESCRIPTION OF PROPERTY: TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 35: The South 259.69 feet of the following described parcel: A part of the S 1/2 of the SW 1/4 of Section 35, Township 4 South, Range 16 East, more particularly described as follows: Commence at the SW corner of said Section 35 and run N 89°04'18" E, along the South line thereof 41.01 feet to a concrete monument on the East maintained right-of-way line of Bishop Road for a Point of Beginning; thence run N 06°22'37" E, along said maintained right-of-way, 765.51 feet; thence N 89°33'23" E, 611.70 feet; thence S 06°22'32" W, 765.67 feet to the South line of said Section 35; thence S 89°04'18" W, 611.70 feet to the Point of Beginning. COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Merah Kaar Deputy Clerk
Date July 27, 2004

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

DESCRIPTION OF IMPROVEMENTS: Residence

OWNER AND ADDRESS: Chad E. Crews
Post Office Box 2268
Lake City, Florida 32056

This Instrument Prepared By:
EDDIE M. ANDERSON, P.A.
P. O. Box 1179

OWNERS' INTEREST IN PROPERTY: Fee Simple

FEE SIMPLE TITLE HOLDER: Owner

Inst:2004017269 Date:07/27/2004 Time:11:42
MK DC,P.DeWitt Cason,Columbia County B:1021 P:2676

CONTRACTOR AND ADDRESS:

Isaac Construction, Inc.
1005 SW Walter Avenue
Lake City, Florida 32024

AMOUNT OF BOND: N/A

LENDER: Campus USA Credit Union
183 SW Bascom Norris Drive, Suite 105
Lake City, Florida 32055

Name and address of person within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)(7), Florida Statutes: The Owner.

In addition to himself, Owner designates THE LENDER to receive a copy of the Lienor's Notice as provided in Sec. 713.13(1)(b), Fla. Stat.

Chad E. Crews
CHAD E. CREWS, Owner

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 27th day of July, 2004, by CHAD E. CREWS. He produced Florida DL as identification.

(NOTARY SEAL) Andrea L. Walden My Commission DD260301 Expires October 21, 2007

Andrea L Walden
Notary Public
My Commission Expires:

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Isaac Construction, Inc - Chad Crews**	Builder:	**Isaac Construction, Inc**
Address:		Permitting Office:	
City, State:	,	Permit Number:	22225
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	2786 ft²	
7. Glass area & type		
a. Clear - single pane	0.0 ft²	
b. Clear - double pane	478.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	
d. Tint/other SHGC - double pane	0.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 298.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=19.0, 2064.0 ft²	
b. Frame, Wood, Adjacent	R=13.0, 302.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 3366.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 80.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 61.0 kBtu/hr	
	SEER: 12.50	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 61.0 kBtu/hr	
	HSPF: 6.80	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
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)		

Glass/Floor Area: 0.17

Total as-built points: 39837
Total base points: 40191

PASS

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

PREPARED BY: Will Myers

DATE: 7.1.04

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2786.0	20.04	10049.7	Double, Clear	W	1.5	9.0	42.0	36.99	0.97	1507.4
				Double, Clear	N	50.5	9.7	40.0	19.22	0.59	456.0
				Double, Clear	NW	15.5	9.0	21.0	25.46	0.56	297.4
				Double, Clear	W	17.8	9.7	60.0	36.99	0.42	924.4
				Double, Clear	SW	15.5	6.0	6.0	38.46	0.37	86.2
				Double, Clear	W	10.6	8.0	45.0	36.99	0.47	781.2
				Double, Clear	N	1.5	6.0	20.0	19.22	0.94	360.8
				Double, Clear	E	3.5	5.0	12.0	40.22	0.61	296.2
				Double, Clear	E	1.5	12.0	126.0	40.22	0.99	5022.8
				Double, Clear	E	9.5	15.7	40.0	40.22	0.66	1063.9
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4
				Double, Clear	E	2.0	5.0	12.0	40.22	0.80	384.6
				Double, Clear	S	1.5	7.0	15.0	34.50	0.89	462.9
				Double, Clear	S	1.5	5.0	9.0	34.50	0.81	250.5
				As-Built Total:				**478.0**			**12995.7**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	302.0	0.70	211.4	Frame, Wood, Exterior	19.0	2064.0	0.90	1857.6
Exterior	2064.0	1.70	3508.8	Frame, Wood, Adjacent	13.0	302.0	0.60	181.2
Base Total:	**2366.0**		**3720.2**	**As-Built Total:**		**2366.0**		**2038.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	18.0	2.40	43.2	Adjacent Insulated	18.0	1.60	28.8
Exterior	0.0	0.00	0.0				
Base Total:	**18.0**		**43.2**	**As-Built Total:**	**18.0**		**28.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2786.0	1.73	4819.8	Under Attic	30.0	3366.0	1.73 X 1.00	5823.2
Base Total:	**2786.0**		**4819.8**	**As-Built Total:**		**3366.0**		**5823.2**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	298.0(p)	-37.0	-11026.0	Slab-On-Grade Edge Insulation	0.0	298.0(p	-41.20	-12277.6
Raised	0.0	0.00	0.0					
Base Total:			**-11026.0**	**As-Built Total:**		**298.0**		**-12277.6**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	2786.0	10.21	28445.1				2786.0	10.21		28445.1
Summer Base Points:			**36051.9**	**Summer As-Built Points:**						**37054.0**
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
36051.9	**0.4266**		**15379.7**	37054.0 **37054.0**	1.000 **1.00**	(1.090 x 1.147 x 1.11) **1.388**	0.273 **0.273**	1.000 **1.000**		14040.2 **14040.2**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X Conditioned Floor Area	X BWPM	= Points
.18 2786.0	12.74	6388.9

WALL TYPES	Area X	BWPM	= Points
Adjacent	302.0	3.60	1087.2
Exterior	2064.0	3.70	7636.8
Base Total:	**2366.0**		**8724.0**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	18.0	11.50	207.0
Exterior	0.0	0.00	0.0
Base Total:	**18.0**		**207.0**

CEILING TYPES	Area X	BWPM	= Points
Under Attic	2786.0	2.05	5711.3
Base Total:	**2786.0**		**5711.3**

FLOOR TYPES	Area X	BWPM	= Points
Slab	298.0(p)	8.9	2652.2
Raised	0.0	0.00	0.0
Base Total:			**2652.2**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF = Points
Double, Clear	W	1.5	9.0	42.0	10.77	1.01 455.7
Double, Clear	N	50.5	9.7	40.0	14.30	1.03 587.8
Double, Clear	NW	15.5	9.0	21.0	14.03	1.03 304.0
Double, Clear	W	17.8	9.7	60.0	10.77	1.22 787.4
Double, Clear	SW	15.5	6.0	6.0	7.17	2.01 86.4
Double, Clear	W	10.6	8.0	45.0	10.77	1.19 578.7
Double, Clear	N	1.5	6.0	20.0	14.30	1.00 286.8
Double, Clear	E	3.5	5.0	12.0	9.09	1.19 130.3
Double, Clear	E	1.5	12.0	126.0	9.09	1.01 1155.0
Double, Clear	E	9.5	15.7	40.0	9.09	1.16 421.7
Double, Clear	E	1.5	6.0	30.0	9.09	1.04 282.4
Double, Clear	E	2.0	5.0	12.0	9.09	1.08 118.2
Double, Clear	S	1.5	7.0	15.0	4.03	1.07 64.9
Double, Clear	S	1.5	5.0	9.0	4.03	1.20 43.4
As-Built Total:				**478.0**		**5302.8**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	19.0	2064.0	2.20	4540.8
Frame, Wood, Adjacent	13.0	302.0	3.30	996.6
As-Built Total:		**2366.0**		**5537.4**

Type	Area X	WPM	= Points
Adjacent Insulated	18.0	8.00	144.0
As-Built Total:	**18.0**		**144.0**

Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	30.0	3366.0	2.05 X 1.00	6900.3
As-Built Total:		**3366.0**		**6900.3**

Type	R-Value	Area X	WPM	= Points
Slab-On-Grade Edge Insulation	0.0	298.0(p	18.80	5602.4
As-Built Total:		**298.0**		**5602.4**

. FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2786.0	-0.59	-1643.7		2786.0	-0.59	-1643.7			
Winter Base Points:			**22039.6**	**Winter As-Built Points:**						**21843.2**
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	
22039.6	**0.6274**	**13827.7**		21843.2 **21843.2**	1.000 **1.00**	(1.069 x 1.169 x 1.10) **1.375**	0.501 **0.501**	1.000 **1.000**	15057.3 **15057.3**	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2746.00	10984.0	50.0	0.90	4	0.50	2684.98	1.00	5370.0	
				50.0	0.90	4	0.50	2684.98	1.00	5370.0	
				As-Built Total:							**10739.9**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15380	**13828**	**10984**	**40191**	**14040**	**15057**	**10740**	**39837**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.0

The higher the score, the more efficient the home.

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 61.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 12.50
4.	Number of Bedrooms	4		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2786 ft²		c. N/A	
7.	Glass area & type				
	a. Clear - single pane	0.0 ft²	13.	Heating systems	
	b. Clear - double pane	478.0 ft²		a. Electric Heat Pump	Cap: 61.0 kBtu/hr
	c. Tint/other SHGC - single pane	0.0 ft²			HSPF: 6.80
	d. Tint/other SHGC - double pane	0.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 298.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=19.0, 2064.0 ft²			EF: 0.90
	b. Frame, Wood, Adjacent	R=13.0, 302.0 ft²		b. Electric Resistance	Cap: 50.0 gallons
	c. N/A				EF: 0.90
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 3366.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 80.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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 850/487-1824.*

EnergyGauge® (Version: FLR1PB v3.22)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

22225

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.

Company Address 301 NW Cole Terrace City Lake City State FL Zip 32055

Company Business License No. JB109476 Company Phone No. 386-755-3611

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Isaac Zunt (Chad Crews) Phone No. _____

Section 3: Property Information 1043 S.W Bishop Ave

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip)

Type of Construction (More than one box may be checked) [X] Slab [ ] Basement [ ] Crawl [ ] Other _____

Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Mix

Section 4: Treatment Information

Date(s) of Treatment(s) 9-15-04

Brand Name of Product(s) Used Surrender

EPA Registration No. 70907-7-53463

Approximate Final Mix Solution % 0.5%

Approximate Size of Treatment Area: Sq. ft. 4795 Linear ft. 293 Linear ft. of Masonry Voids 293

Approximate Total Gallons of Solution Applied 990

Was treatment completed on exterior? [ ] Yes [X] No

Service Agreement Available? [X] Yes [ ] No

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

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannan

Certification No. (if required by State law) JF104376

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

Authorized Signature _____ Date 9-15-04

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

WEGGIE

Columbia County Building Department
Culvert Waiver

Culvert Waiver No.
000000387

DATE: 08/24/2004 BUILDING PERMIT NO. 22225

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 507 W DUVAL STREET SUITE 103 LAKE CITY FL 32024

OWNER CHAD & KELLI CREWS PHONE 758-1049

ADDRESS 1043 SW BISHOP AVE LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 47S, TR ON BISHOP AVE, 7TH LOT ON RIGHT, ABOUT 1/4 MILE, ISAAC SIGN ON LOT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 35-4S-16-03298-007

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Linda Roder

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED ______ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Opening to Lot Seems To Be on Top of Hill Driveway Entrance Could Be used as water Break

SIGNED: Ken [illegible] DATE: 08-27-04

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

RECEIVED
AUG 26 2004
BY:

COLUMBIA COUNTY GATEWAY TO FLORIDA

CREWS JOB 22225

#22225 Isaac Bratkovich Crews Job

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-6608

04 FEBRUARY 2005

JOHN KERCE
COLUMBIA COUNTY BUILDING DEPARTMENT
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: CHAD CREWS RESIDENCE
PERMIT Nr.: _____

DEAR MR. KERCE:

THE ABOVE REFERENCED PROJECT HAS TWO FRAMING AS-BUILT CONDITIONS THAT HAVE BEEN BROUGHT TO MY ATTENTION FOR COMMENT.

1. THE DOUBLE 2X12 HEADER OVER THE ENTRY DOOR HAS BEEN REDUCED AT THE MID-SPAN TO A DEPTH OF +/- 8". FOR THE CALCULATED LOADS OF THIS HEADER, A DOUBLE 2X8 HEADER IS SUFFICIENT AND THE EXISTING CONSTRUCTION IS SATISFACTORY AS IS.

2. THE DOUBLE 2X12 HEADER AT THE TRIPLE-MULLED WINDOW IS CURRENTLY OVERSTRESSED AND WILL REQUIRE A "SISTER" 2X10 TO BE ADDED TO THE INSIDE FACE OF THE HEADER. REFER TO THE ATTACHED DRAWING FOR DETAILS OF ATTACHMENT.

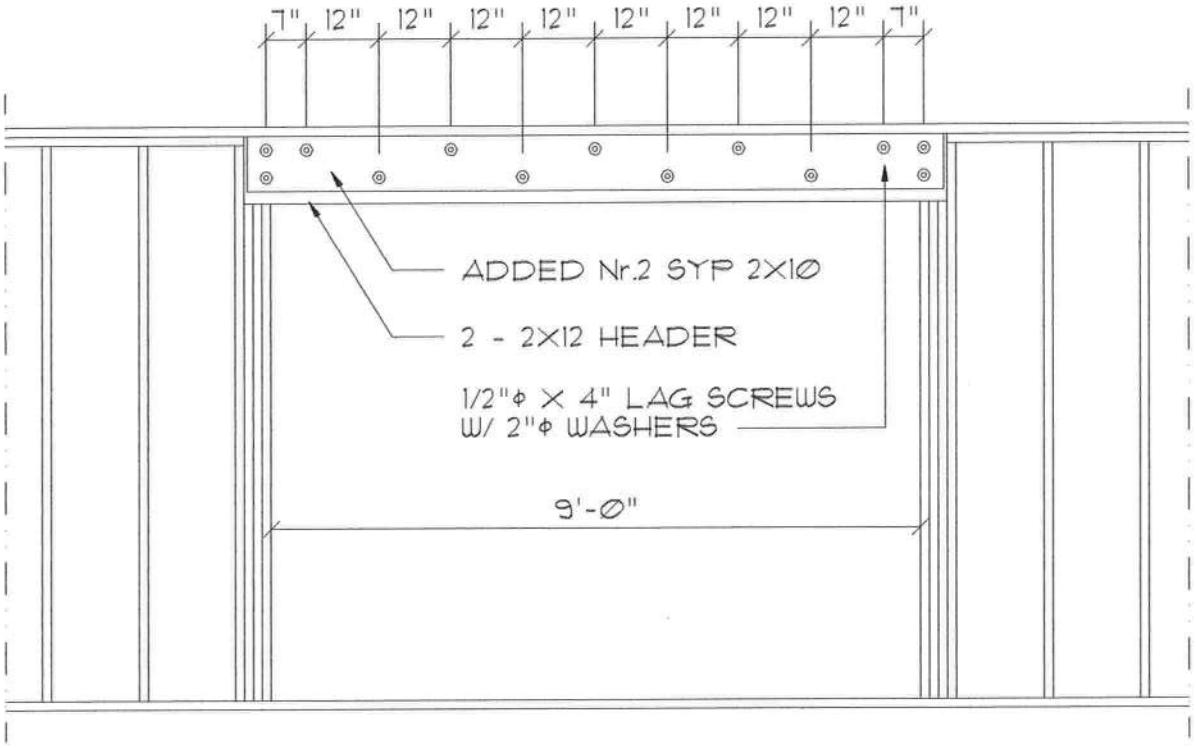
SHOULD YOU HAVE ANY QUESTION WITH THE FOREGOING, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

CREWS
JOB

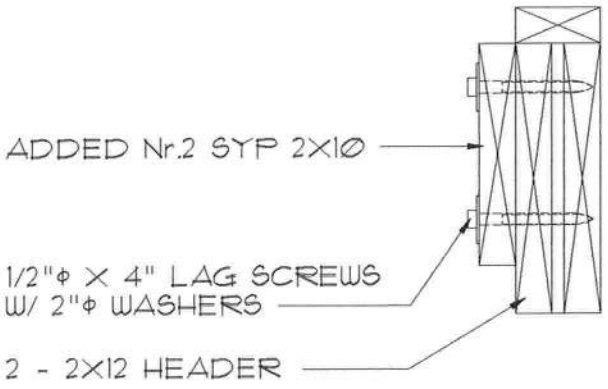
NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-6608



Header Stiffener DETAIL

SCALE: 3/8" = 1'-0"



Stiffener DETAIL

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

AR7005 04 FL0705

B105-0021

Architectural Services and Engineering, Inc.

24710 State Road 54, Lutz, Florida 33559
1-(813)-948-2812 FAX : 1-(813)-949-2016 E-mail: Truss@asande.com

CREWS JOB

Florida engineering license 7882
Designers and engineers since 1965

TRUSS REPAIR COVERSHEET

Job number	Date received	Repair done by	Date repair done
L80238	1/19/05	P	1/19/05

☐ **Hold (date)** _____

☐ **No. of repairs** 4

☐ **3 raised/ 1 flat seal**

☐ **Date faxed**

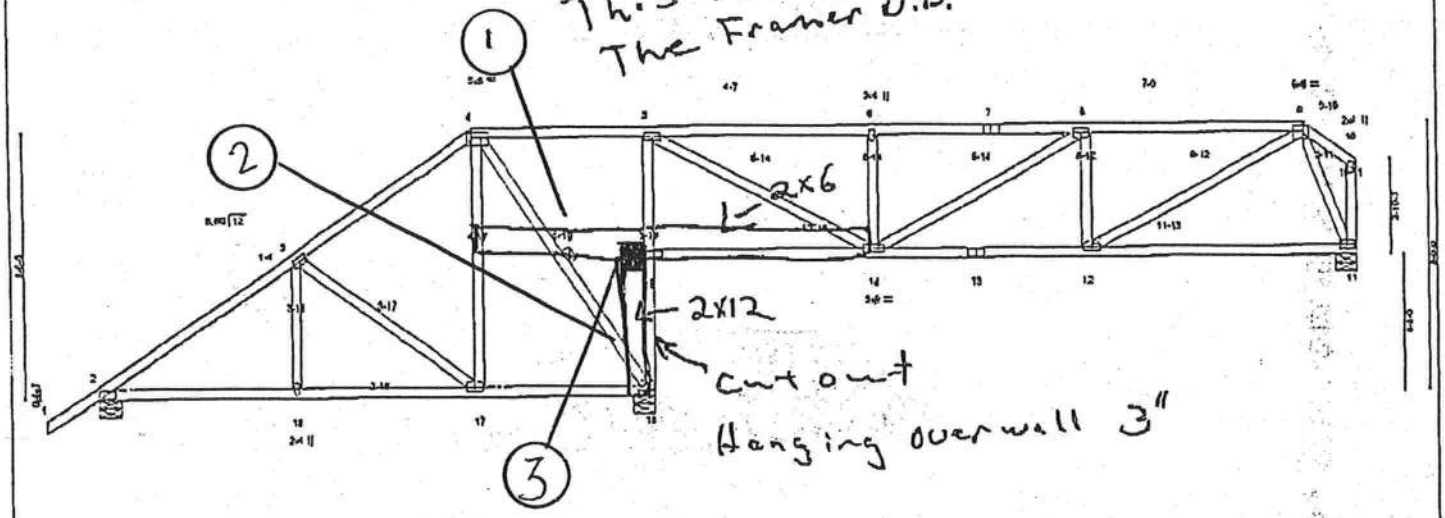
Lake City

Mailed daily. Mail out regular mail.

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L00238	T2G	SPECIAL	5	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:05:22 2005 Page 1

1-6-0	5-11-2	11-5-5	17-0-0	23-9-8	30-5-3	37-2-11	38-11-0
1-6-0	5-11-2	5-6-4	5-6-11	6-9-8	6-7-12	6-9-8	1-8-5



(1) 2x 6 No.2 SYP SCAB ONE FACE ___ WITH 9 12d's AT EACH MEMBER FOR THE SCAB.

(2) 2x 12 No.2 SYP SCAB ONE FACE ___ WITH 18 12d's AT EACH MEMBER FOR THE SCAB.

(3) 6 x 12 TRULOX PLATE ONE FACE ___ WITH 8d's x 1 ½" LONG IN ¾ ths THE HOLES.

LUI
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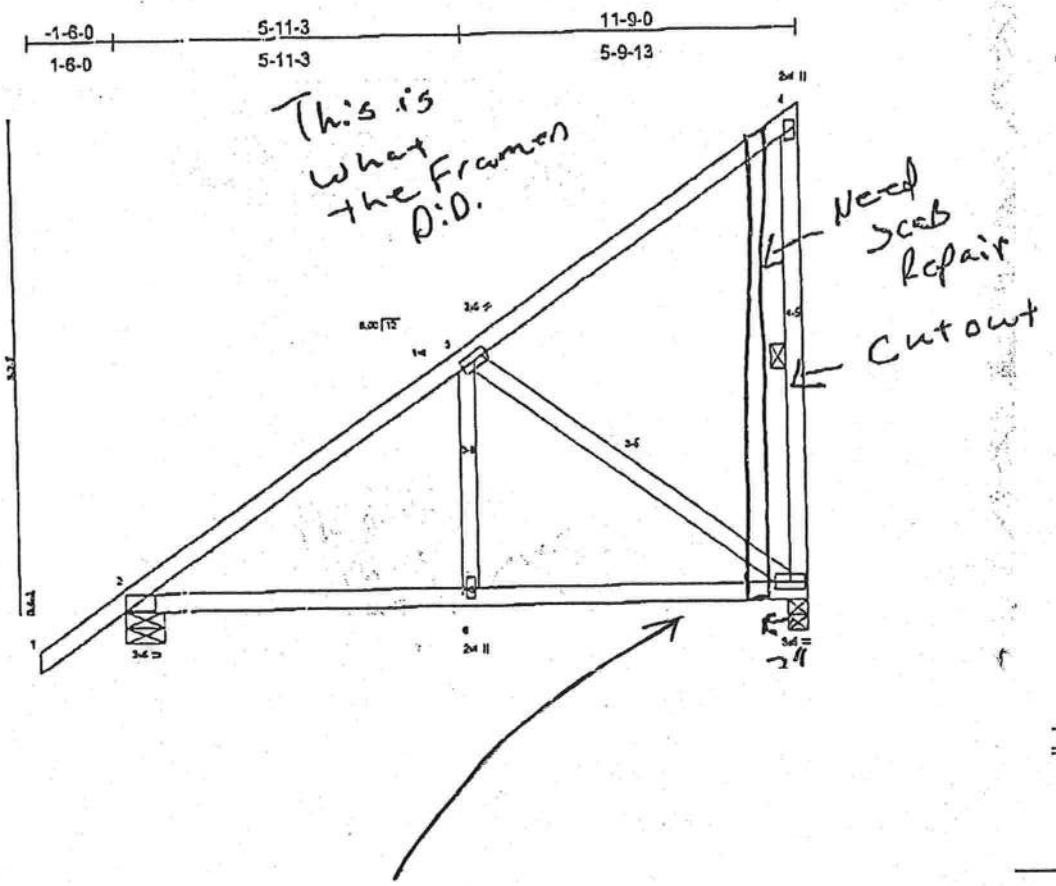
NO
1) L
2) V
z
specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 Mil20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 492 lb uplift at joint 2, 988 lb uplift at joint 16 and 395 lb uplift at joint 11.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON. CHAD CREWS
L80239	T07	MONO TRUSS	3	1	Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 10:07:58 2005 Page 1



LUMBER
TOP CHOR
BOT CHOR
WEBS

2x4 No.2 SYP SCAB ONE FACE ___ WITH 7 12d's AT EACH MEMBER FOR THE SCAB.

REACTION

Max Uplift5=-282(load case 6), 2=-169(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-558/0, 3-4=-114/55, 4-5=-125/138
BOT CHORD 2-6=-243/388, 5-6=-243/388
WEBS 3-6=0/191, 3-5=-455/283

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60, This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 5 and 169 lb uplift at joint 2.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L80238	EJ7C	SPECIAL	10	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:07:30 2005 Page 1

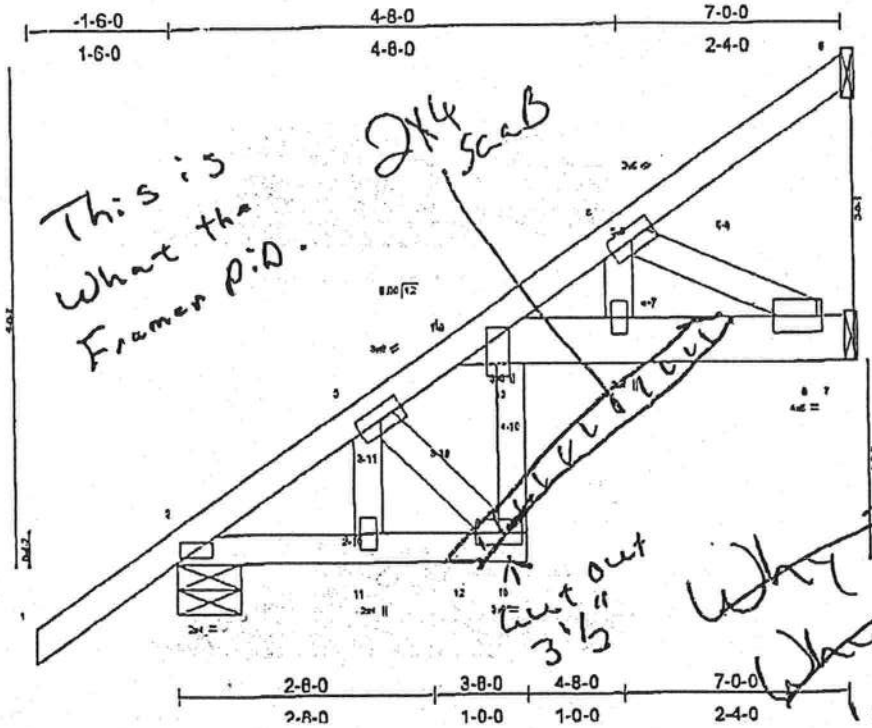


Plate Offsets (X,Y): [4:0

LOADING (psf)	
TCLL	20.0
TCDL	7.0
BCLL	10.0
BCDL	5.0

2x 4 No.2 SYP SCAB ONE FACE ___ WITH 5 12d's AT EACH MEMBER FOR THE SCAB.

Do Twice

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D *Except*
4-7 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 6=17/Mechanical, 2=398/0-8-0, 7=252/Mechanical
Max Horz 2=277(load case 5)
Max Uplift6=-20(load case 5), 2=-251(load case 5), 7=-240(load case 5)
Max Grav6=20(load case 3), 2=398(load case 1), 7=252(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-355/261, 3-4=-175/61, 4-5=-354/370, 5-6=-58/10
BOT CHORD 2-11=-372/237, 11-12=-372/237, 10-12=-372/237, 4-13=-625/421, 9-13=-625/421, 8-9=-625/421, 7-8=0/0
WEBS 5-8=-478/707, 4-10=-494/313, 8-9=-88/38, 3-11=-65/41, 3-10=-414/650

NOTES
1) Wind; ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 6, 251 lb uplift at joint 2 and 240 lb uplift at joint 7.

LOAD CASE(S) Standard

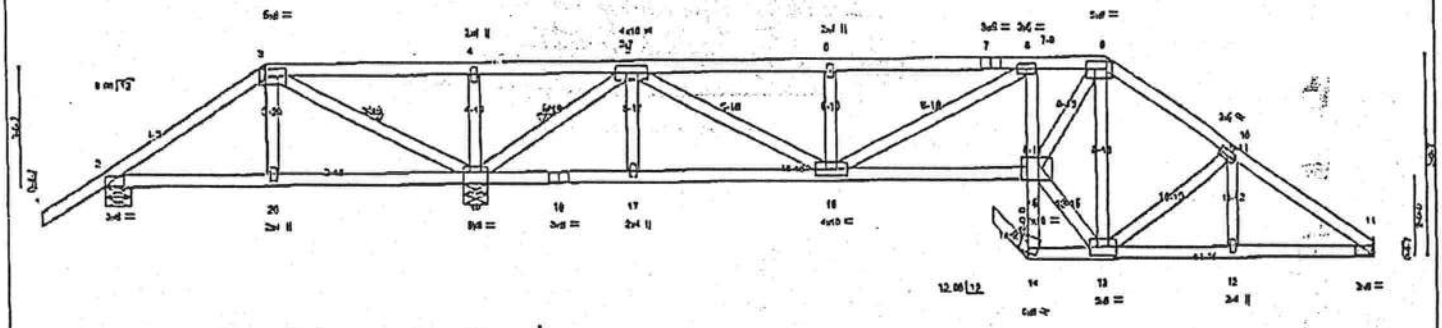
1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L90236	T38	SPECIAL	1	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:14:02 2005 Page 1

-1-6-0	4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
1-6-0	4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7

Scale = 1:62.2



Please Seal
Truss as is.

4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-6-4,0-2-4], [8:0-6-4,0-2-4], [11:0-3-8,0-1-8], [15:0-4-8,0-1-12], [18:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	-0.26	15-16	>999	240	MII20	249/180
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.37	15-16	>759	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.94	Horz(TL)	0.13	11	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI85		(Matrix)							Weight: 182 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
15-18 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
9-15 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS 1 Row at midpt 3-19, 5-19

REACTIONS (lb/size) 11=1697/Mechanical, 2=-167/0-8-0, 18=4088/0-8-0
Max Horz 2=134(load case 3)
Max Uplift11=-787(load case 2), 2=-364(load case 7), 19=-2103(load case 3)
Max Grav 11=1598(load case 7), 2=161(load case 2), 18=4088(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-306/731, 3-4=-1218/2486, 4-5=-1219/2497, 5-6=-3048/1609, 6-7=-3048/1609, 7-8=-3048/1609, 8-9=-3826/2126, 9-10=-2371/1352, 10-11=-2609/1343
BOT CHORD 2-20=-660/369, 19-20=-543/558, 18-19=-277/578, 17-18=-277/576, 16-17=-277/576, 15-16=-2003/3667, 13-14=-18/36, 12-13=-1060/2109, 11-12=-1060/2109
WEBS 3-20=-202/317, 3-19=-2243/1219, 4-19=-470/328, 5-19=-3690/1639, 5-17=-82/382, 5-16=-1477/2823, 8-16=-470/334, 14-15=-18/34, 8-15=-112/115, 9-13=-1443/725, 10-13=-250/156, 10-12=0/98, 8-16=-919/604, 13-15=-1527/2922, 9-15=-1648/3203

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 787 lb uplift at joint 11, 364 lb uplift at joint 2 and 2103 lb uplift at joint 19.
6) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539.0lb down and 445.1lb up at 25-8-0 on 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).

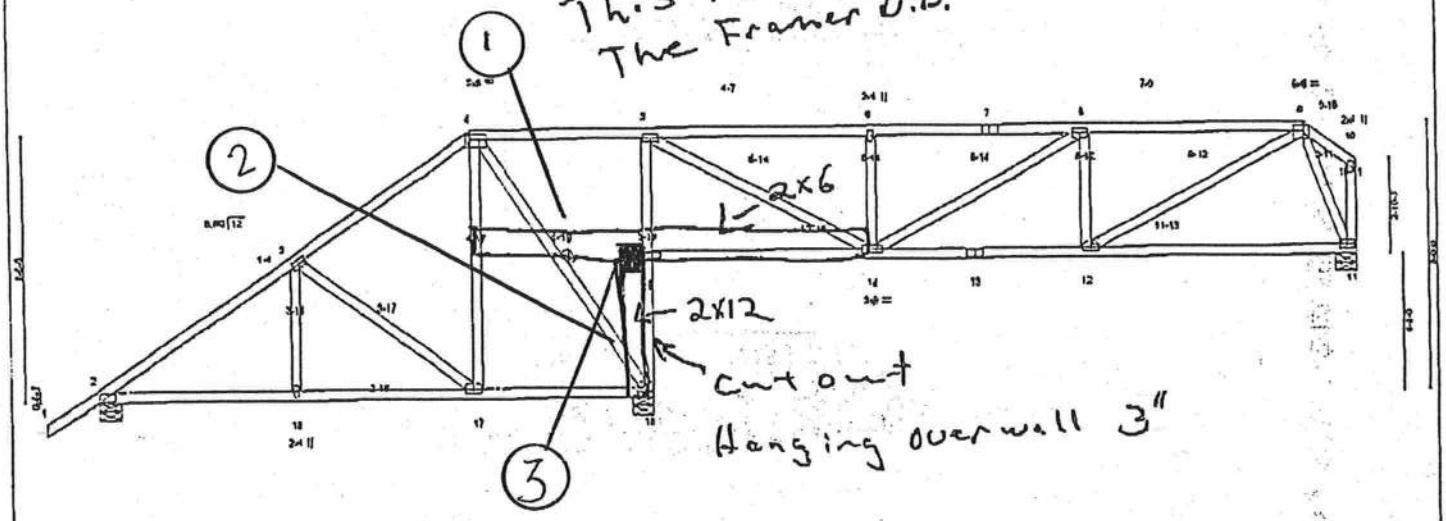
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-8=-85(F=-31), 8-9=-120(F=-66), 9-11=-54, 2-20=-30, 15-20=-99(F=-69), 13-14=-67(F=-37), 11-13=-30
Concentrated Loads (lb)
Vert: 13=-539(F)

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L00238	T2G	SPECIAL	5	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:05:22 2005 Page 1

1-6-0	5-11-2	11-5-5	17-0-0	23-9-8	30-5-3	37-2-11	38-11-0
1-6-0	5-11-2	5-6-4	5-6-11	6-9-8	6-7-12	6-9-8	1-8-5



(1) 2x6 No.2 SYP SCAB ONE FACE__ WITH 9 12d's AT EACH MEMBER FOR THE SCAB.

(2) 2x12 No.2 SYP SCAB ONE FACE__ WITH 18 12d's AT EACH MEMBER FOR THE SCAB.

(3) 6 x12 TRULOX PLATE ONE FACE__ WITH 8d's x 1 ½" LONG IN ¾ ths THE HOLES.

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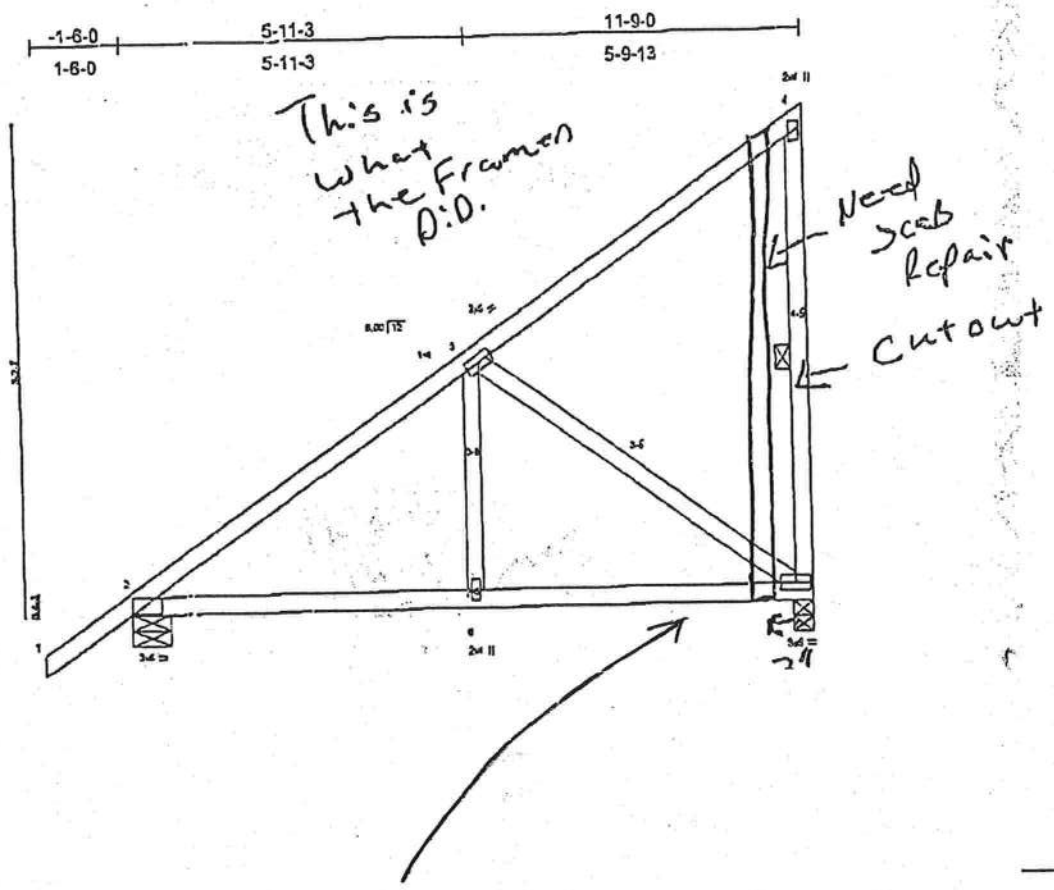
specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x8 MII20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 492 lb uplift at joint 2, 983 lb uplift at joint 16 and 395 lb uplift at joint 11.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON. CHAD CREWS
L80238	T07	MONO TRUSS	3	1	Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 10:07:58 2005 Page 1



TOP CHOR
BOT CHOR
WEBS

2x4 No.2 SYP SCAB ONE FACE ___ WITH 7 12d's AT EACH MEMBER FOR THE SCAB.

REACTION

Max Uplift5=-282(load case 6), 2=-169(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-558/0, 3-4=-114/55, 4-5=-125/138
BOT CHORD 2-6=-243/388, 5-6=-243/388
WEBS 3-6=0/191, 3-5=-455/283

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 5 and 169 lb uplift at joint 2.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CDN, CHAD CREWS
L80238	EJ7C	SPECIAL	10	1	Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:07:30 2005 Page 1

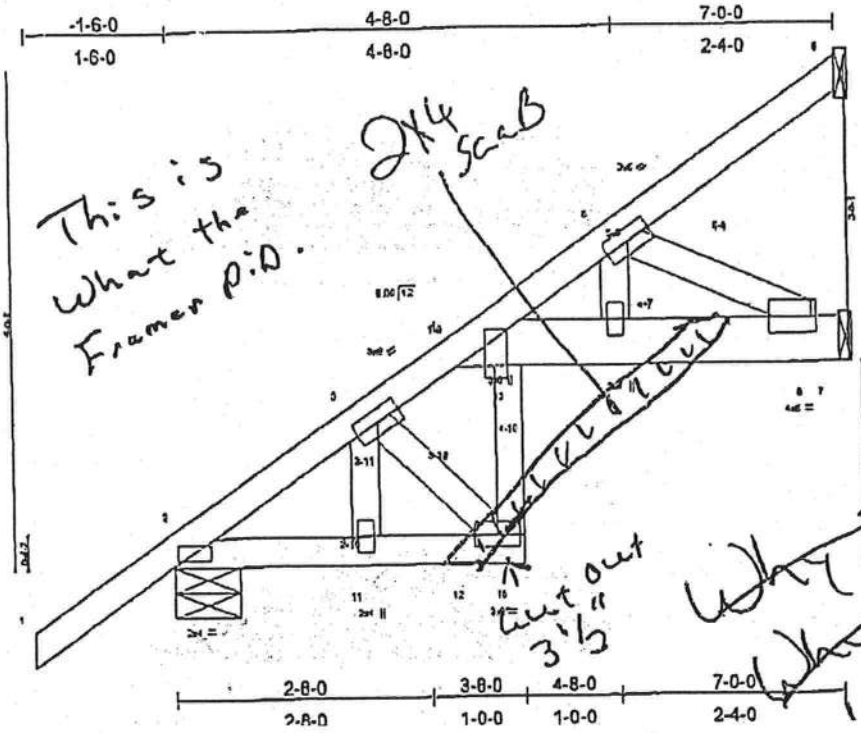


Plate Offsets (X,Y): [4:0

LOADING (psf)
TCLL 20.0
TCDL 7.0
BCLL 10.0
BCDL 5.0

2x 4 No.2 SYP SCAB ONE FACE ___ WITH 5 12d's AT EACH MEMBER FOR THE SCAB.

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D *Except*
4-7 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

for framer

REACTIONS (lb/size) 6=17/Mechanical, 2=398/0-8-0, 7=252/Mechanical
Max Horz 2=277(load case 5)
Max Uplift6=-20(load case 5), 2=-251(load case 5), 7=-240(load case 5)
Max Grav6=20(load case 3), 2=398(load case 1), 7=252(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-355/261, 3-4=-175/61, 4-5=-354/370, 5-6=-56/10
BOT CHORD 2-11=-372/237, 11-12=-372/237, 10-12=-372/237, 4-13=-625/421, 9-13=-625/421, 8-9=-625/421, 7-8=0/0
WEBS 5-8=-478/707, 4-10=-494/313, 5-9=-86/38, 3-11=-85/41, 3-10=-414/650

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 6, 251 lb uplift at joint 2 and 240 lb uplift at joint 7.

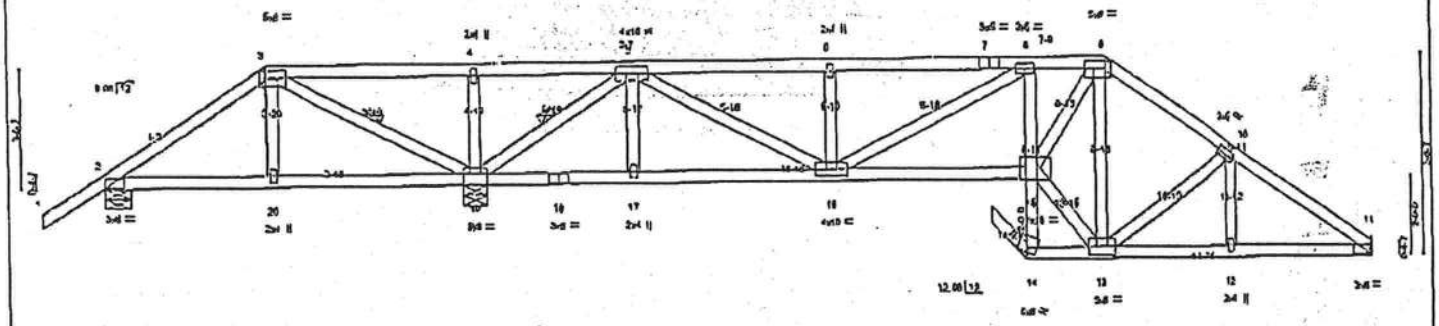
LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L90235	T38	SPECIAL	1	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:14:02 2005 Page 1

-1-6-0	4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
1-6-0	4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7



Please Seal Trusses if.

4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-6-4,0-2-4], [9:0-6-4,0-2-4], [11:0-3-8,0-1-8], [15:0-4-8,0-1-12], [19:0-4-0,0-3-4]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.90	Vert(LL)	-0.26	15-16	>999	240	MII20	249/180
TCDL 7.0	Lumber Increase 1.25	BC 0.94	Vert(TL)	-0.37	15-16	>759	180		
BCLL 10.0	Rep Stress Incr NO	WB 0.84	Horz(TL)	0.13	11	n/a	n/a		
BCDL 5.0	Code FBC2001/ANSI95	(Matrix)						Weight: 182 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D "Except" 15-16 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 "Except" 9-15 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS 1 Row at midpt 3-19, 5-19

REACTIONS (lb/size) 11=1597/Mechanical, 2=-167/0-8-0, 18=4088/0-8-0
Max Horz 2=134(load case 3)
Max Uplift 11=-787(load case 2), 2=-364(load case 7), 19=-2103(load case 3)
Max Grav 11=1598(load case 7), 2=161(load case 2), 18=4089(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-306/731, 3-4=-1218/2486, 4-5=-1219/2497, 5-6=-3048/1609, 6-7=-3048/1609, 7-8=-3048/1609, 8-9=-3826/2126, 9-10=-2371/1352, 10-11=-2609/1343
BOT CHORD 2-20=-560/369, 19-20=-543/958, 18-19=-277/678, 17-18=-277/576, 16-17=-277/576, 15-16=-2003/3867, 13-14=-16/36, 12-13=-1060/2109, 11-12=-1060/2109
WEBS 3-20=-202/317, 3-19=-2243/1218, 4-19=-470/329, 5-19=-3690/1639, 5-17=-82/392, 5-16=-1477/2823, 8-16=-470/334, 14-15=-18/34, 8-15=-112/115, 9-13=-1443/723, 10-13=-230/158, 10-12=0/96, 8-16=-919/604, 13-15=-1527/2922, 9-15=-1648/3203

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 787 lb uplift at joint 11, 364 lb uplift at joint 2 and 2103 lb uplift at joint 19.
6) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539.0lb down and 445.1lb up at 25-8-0 on 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).

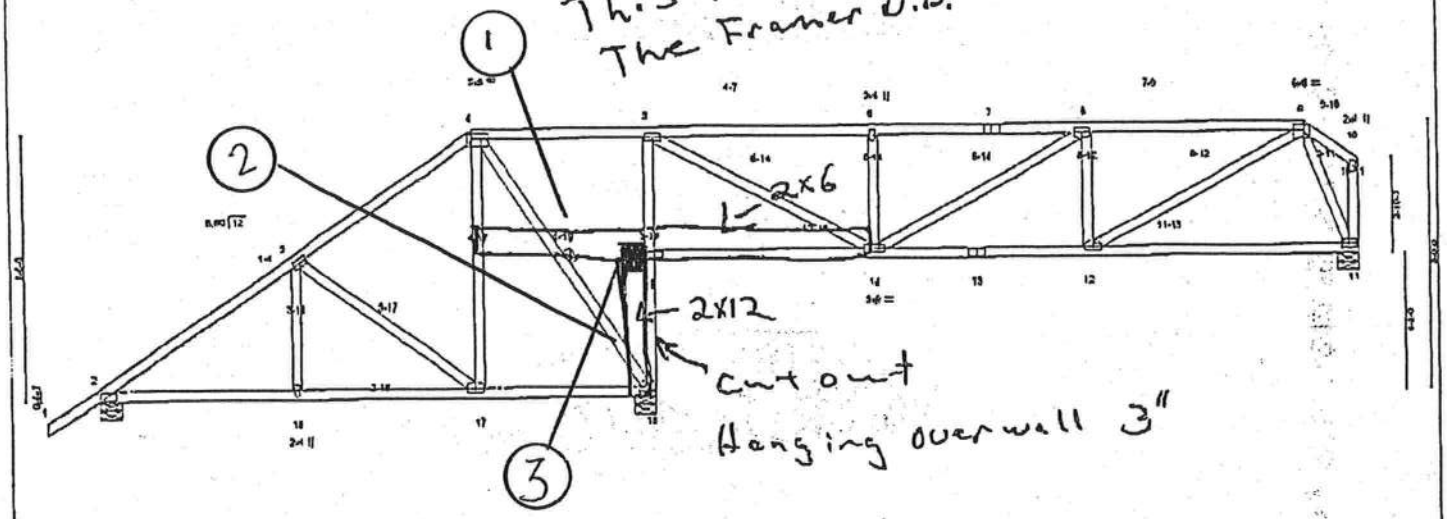
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-8=-85(F=-31), 8-9=-120(F=-66), 9-11=-54, 2-20=-30, 15-20=-99(F=-69), 13-14=-67(F=-37), 11-13=-30
Concentrated Loads (lb)
Vert: 13=-539(F)

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L00238	T20	SPECIAL	5	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:06:22 2005 Page 1

1-6-0	5-11-2	11-5-5	17-0-0	23-9-8	30-5-3	37-2-11	38-11-0
1-6-0	5-11-2	5-6-4	5-6-11	6-9-8	6-7-12	6-9-8	1-8-5



(1) 2x 6 No.2 SYP SCAB ONE FACE__ WITH 9 12d's AT EACH MEMBER FOR THE SCAB.

(2) 2x 12 No.2 SYP SCAB ONE FACE__ WITH 18 12d's AT EACH MEMBER FOR THE SCAB.

(3) 6 x 12 TRULOX PLATE ONE FACE__ WITH 8d's x 1 ½" LONG IN ¾ ths THE HOLES.

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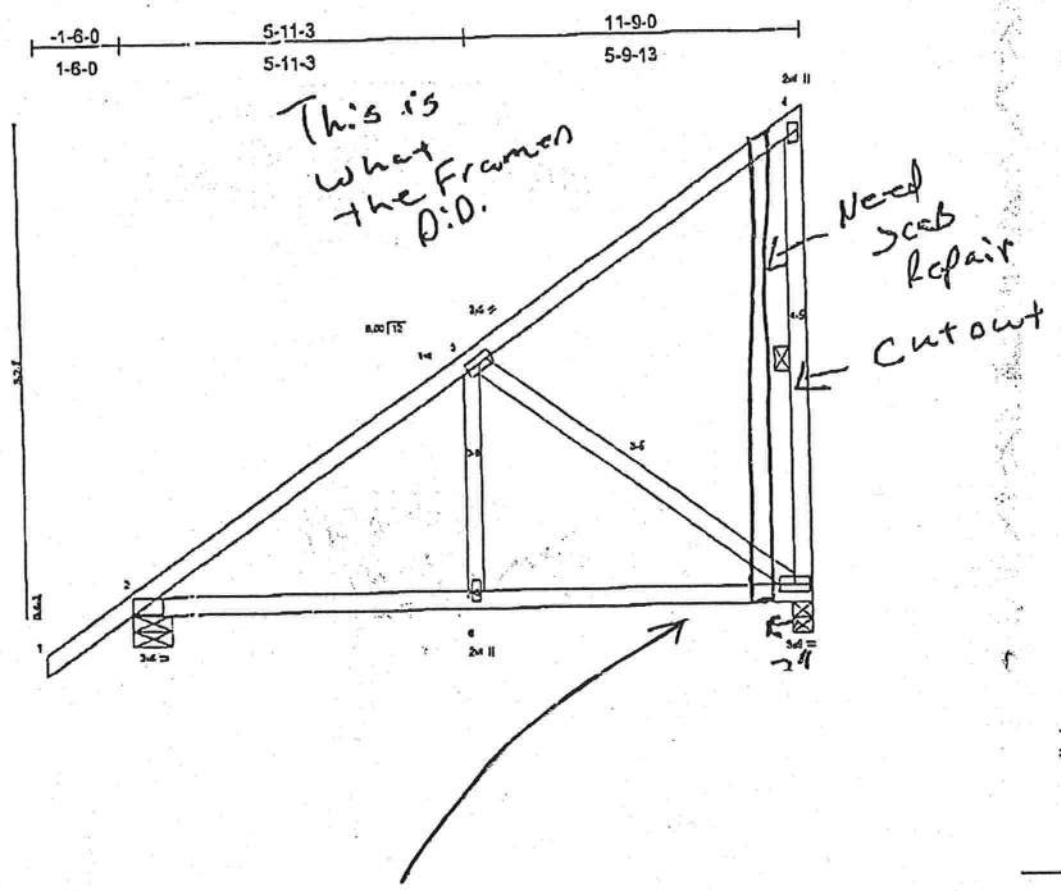
specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MII20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 492 lb uplift at joint 2, 988 lb uplift at joint 18 and 395 lb uplift at joint 11.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON. CHAD CREWS
L80239	T07	MONO TRUSS	3	1	Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 10:07:58 2005 Page 1



TOP CHOR
BOT CHOR
WEBS

2x4 No.2 SYP SCAB ONE FACE ___ WITH 7 12d's AT EACH MEMBER FOR THE SCAB.

REACTION

Max Uplift5=-282(load case 6), 2=-169(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-558/0, 3-4=-114/55, 4-5=-125/138
BOT CHORD 2-6=-243/388, 5-6=-243/388
WEBS 3-6=0/191, 3-5=-455/283

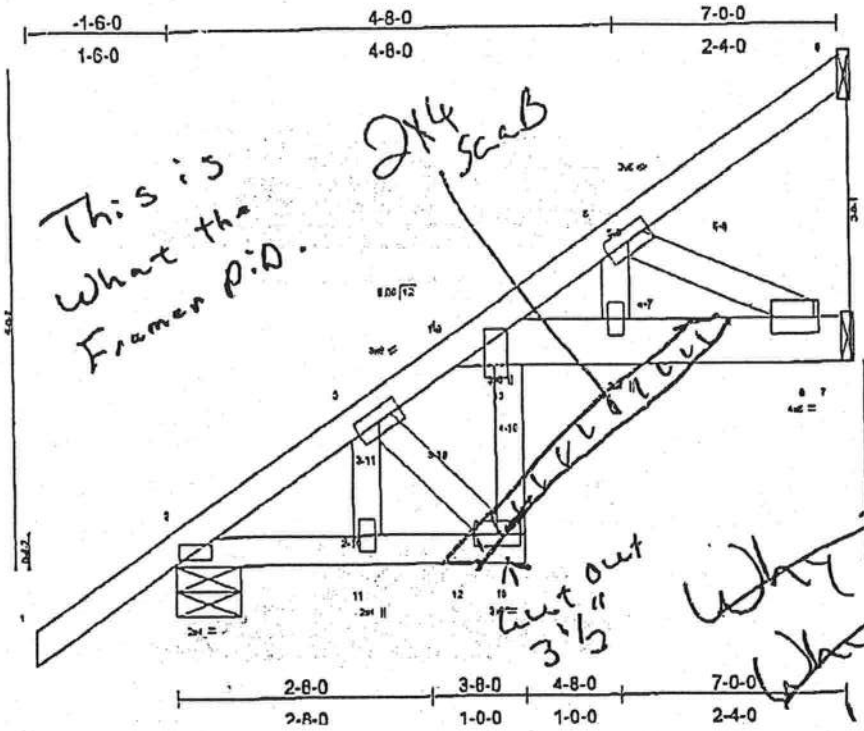
NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60, This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 5 and 169 lb uplift at joint 2.

LOAD CASE(S) Standard

1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L80238	EJ7C	SPECIAL	10	1	Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:07:30 2005 Page 1



2x 4 No.2 SYP SCAB ONE FACE ___ WITH 5 12d's AT EACH MEMBER FOR THE SCAB.

Plate Offsets (X,Y): [4:0

LOADING (psf)
TCLL 20.0
TCDL 7.0
BCLL 10.0
BCDL 5.0

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D *Except* 4-7 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 6=17/Mechanical, 2=398/0-8-0, 7=252/Mechanical
Max Horz 2=277(load case 5)
Max Uplift 6=-20(load case 5), 2=-251(load case 5), 7=-240(load case 5)
Max Grav 6=20(load case 3), 2=398(load case 1), 7=252(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-355/261, 3-4=-175/61, 4-5=-354/370, 5-6=-58/10
BOT CHORD 2-11=-372/237, 11-12=-372/237, 10-12=-372/237, 4-13=-625/421, 9-13=-625/421, 8-9=-625/421, 7-8=0/0
WEBS 5-8=-478/707, 4-10=-494/313, 8-9=-86/38, 3-11=-85/41, 3-10=-414/650

NOTES
1) Wind; ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 6, 251 lb uplift at joint 2 and 240 lb uplift at joint 7.

LOAD CASE(S) Standard

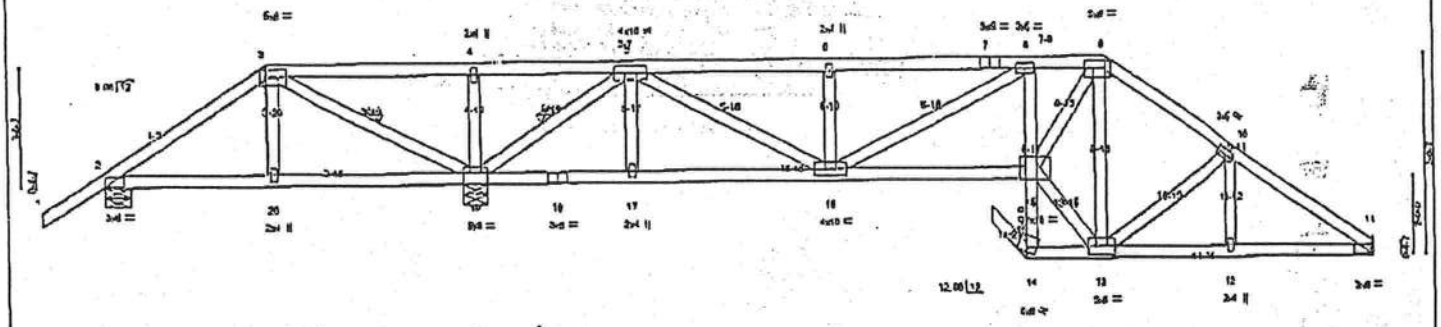
1/19/05

Job	Truss	Truss Type	Qty	Ply	ISAAC CON, CHAD CREWS
L90256	T38	SPECIAL	1	1	Job Reference (optional)

6.200 s Oct 21 2003 MiTek Industries, Inc. Mon Jan 17 19:14:02 2005 Page 1

-1-6-0	4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
1-6-0	4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7

Scale = 1:62.2



Please Seal
Truss as is.

4-0-0	9-5-0	13-5-11	18-7-3	21-7-0	23-7-0	25-8-0	28-11-9	32-8-0
4-0-0	5-5-0	4-0-11	5-1-9	2-11-13	2-0-0	2-1-0	3-3-9	3-8-7

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-6-4,0-2-4], [8:0-6-4,0-2-4], [11:0-3-8,0-1-8], [15:0-4-8,0-1-12], [19:0-4-0,0-3-4]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL In (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.90	Vert(LL) -0.26 15-16 >999 240	MII20 249/160
TCDL 7.0	Lumber Increase 1.25	BC 0.94	Vert(TL) -0.37 15-16 >759 180	
BCLL 10.0	Rep Stress Incr NO	WB 0.94	Horz(TL) 0.13 11 n/a n/a	Weight: 182 lb
BCDL 5.0	Code FBC2001/ANSI85	(Matrix)		

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
15-18 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
9-15 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS 1 Row at midpt 3-19, 5-19

REACTIONS (lb/size) 11=1597/Mechanical, 2=-167/0-8-0, 18=4068/0-8-0
Max Horz 2=134(load case 3)
Max Uplift11=-787(load case 2), 2=-364(load case 7), 19=-2103(load case 3)
Max Grav 11=1598(load case 7), 2=151(load case 2), 18=4068(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-306/731, 3-4=-1218/2498, 4-5=-1219/2497, 5-6=-3046/1609, 6-7=-3046/1609, 7-8=-3046/1609, 8-9=-3828/2126, 9-10=-2371/1352, 10-11=-2609/1343
BOT CHORD 2-20=-660/369, 19-20=-543/356, 18-19=-277/578, 17-18=-277/576, 16-17=-277/576, 15-16=-2003/3567, 13-14=-18/36, 12-13=-1060/2109, 11-12=-1060/2109
WEBS 3-20=-202/317, 3-19=-1243/1218, 4-19=-470/328, 5-19=-3690/1839, 5-17=-82/302, 5-16=-1477/2823, 6-16=-470/334, 14-15=-18/34, 8-15=-112/115, 9-13=-1443/723, 10-13=-230/158, 10-12=0/98, 8-16=-919/604, 13-15=-1527/2922, 9-15=-1648/3203

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 787 lb uplift at joint 11, 364 lb uplift at joint 2 and 2103 lb uplift at joint 19.
6) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539.0lb down and 445.1lb up at 25-8-0 on 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: 1-3=-54, 3-8=-85(F=-31), 8-8=-120(F=-66), 9-11=-54, 2-20=-30, 15-20=-99(F=-69), 13-14=-67(F=-37), 11-13=-30
Concentrated Loads (lb)
Vert: 13=-539(F)

1/19/05

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 35-4S-16-03298-007 Building permit No. 000022225

Use Classification SFD,UTILITY Fire: 22.68

Permit Holder ISAAC CONSTRUCTION Waste: 49.00

Owner of Building CHAD & KELLI CREWS Total: 71.68

Location: 1043 SW BISHOP AVE, LAKE CITY, FL

Date: 05/12/2005

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)