

DATE 11/04/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022458

APPLICANT CHARESE NORTON PHONE 752-3331

ADDRESS 3367 S US HIGHWAY 441 LAKE CITY FL 32025

OWNER JEFF & TRACY OSBURN PHONE

ADDRESS 744 NW MOORE FARMS RD LAKE CITY FL 32055

CONTRACTOR JAMES NORTON PHONE 752-3331

LOCATION OF PROPERTY 41N, TR ON FALLING CREEK RD, TR ON MOORE FARMS, AROUND
CURVE ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 100000.00

HEATED FLOOR AREA 2000.00 TOTAL AREA 3136.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RR MAX. HEIGHT 22

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 12-3S-16-02095-005 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.03

RB0031780

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

EXISTING 040965-N BK RJ Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: 1ST FLOOR ELEVATION TO BE 1 FOOT ABOVE PAVED RD, 2' ABOVE GRADED ROAD

NOC ON FILE

SVE ELECTRIC Check # or Cash 19241

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 \$ 500.00 CERTIFICATION FEE \$ 15.68 SURCHARGE FEE \$ 15.68

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

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ TOTAL FEE 581.36

INSPECTORS OFFICE CLERKS OFFICE

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.

Application Approved by - Zoning Official BLK 04.11.09 Date 10/12/04 Plans Examiner _____ Date _____
Flood Zone A Development Permit N/A Zoning RR Land Use Plan Map Category Res. V.1. DEN
Comments 1st Floor Elevation to be 1' above pond Road or 2' above grade 1 Road

Electric Co - SVE

Applicants Name Charese Norton / Norton Home Imp. Phone 386-752-3331
Address 3367 S US Hwy 441 Ste 101, Lake City, FL 32025
Owners Name Jeff & Tracy Osburn Phone 386-
911 Address 744 NW Moore Farms Rd, Lake City, FL 32055
Contractors Name James H. Norton Phone 386-752-3331
Address 3367 S. US Hwy 441 Ste 101, Lake City, FL 32025
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address DAVID ROYAL, RTE 17 BOX 1038, LAKE CITY, FL 32055
Mortgage Lenders Name & Address _____

Property ID Number 12-3S-16-02095-005 Estimated Cost of Construction 120,000.00
Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
Driving Directions 41 North, TR on Falling Creek Rd, TR on Moore Farms Rd, Around curve on Right

Type of Construction SFD, new Home Const. Number of Existing Dwellings on Property 0
Total Acreage 5.03 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 395' Side 165' Side 165' Rear 94'
Total Building Height 22'9" Number of Stories 1 Heated Floor Area 2000 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 COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

James H. Norton
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA



Patricia T. Peeler
My Commission DD129966
Expires September 05, 2006

I am sworn to (or affirmed) and subscribed before me
this _____ day of SEPTEMBER 20 04.
Personally known ✓ or Produced Identification _____

James H. Norton
Contractor Signature
Contractors License Number RB0031780
Competency Card Number _____



Patricia T. Peeler
My Commission DD129966
Expires September 05, 2006

NOTARY STAMP/SEAL

Patricia T. Peeler
Notary Signature

Norton

issued 11/4/04

Osburn

22458

- ① TEMPERED window in Master Bath
- ② GFI Master Bath
- ③ GFI Kitchen
- ④ Wrong elect. code Not '97
- ⑤ Correct Truss layout

Floor Area 2000 sq. ft. - Heated

Talked with 3136 sq. ft. - Total

Chaise 11/1/04

10:30 AM 8/12 Roof Pitch

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Inst:2004022920 Date:10/12/2004 Time:14:38
MK DC,P.DeWitt Cason,Columbia County B:1027 P:2504

PERMIT NO. _____

TAX FOLIO NO. _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

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

1. Description of property: SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: Jeff A. Osburn and Tracy J. Osburn
466 NW Maxmore Drive, Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Norton Home Improvements Co., Inc.
Route 28, Box 338A, Lake City, FL 32025
5. Surety:
 - a. Name and address: _____
 - b. Amount of bond: _____
6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
4705 WEST U.S. HIGHWAY 90
P. O. BOX 2029
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Jeff A. Osburn
Borrower Name
Tracy J. Osburn
Co-Borrower Name

The foregoing instrument was acknowledged before me this 6th day of October, 2004, by JEFF A. OSBURN & TRACY J. OSBURN, who is personally known to me or who has produced driver's license for identification.

Terry McDavid
Notary Public
My Commission Expires:

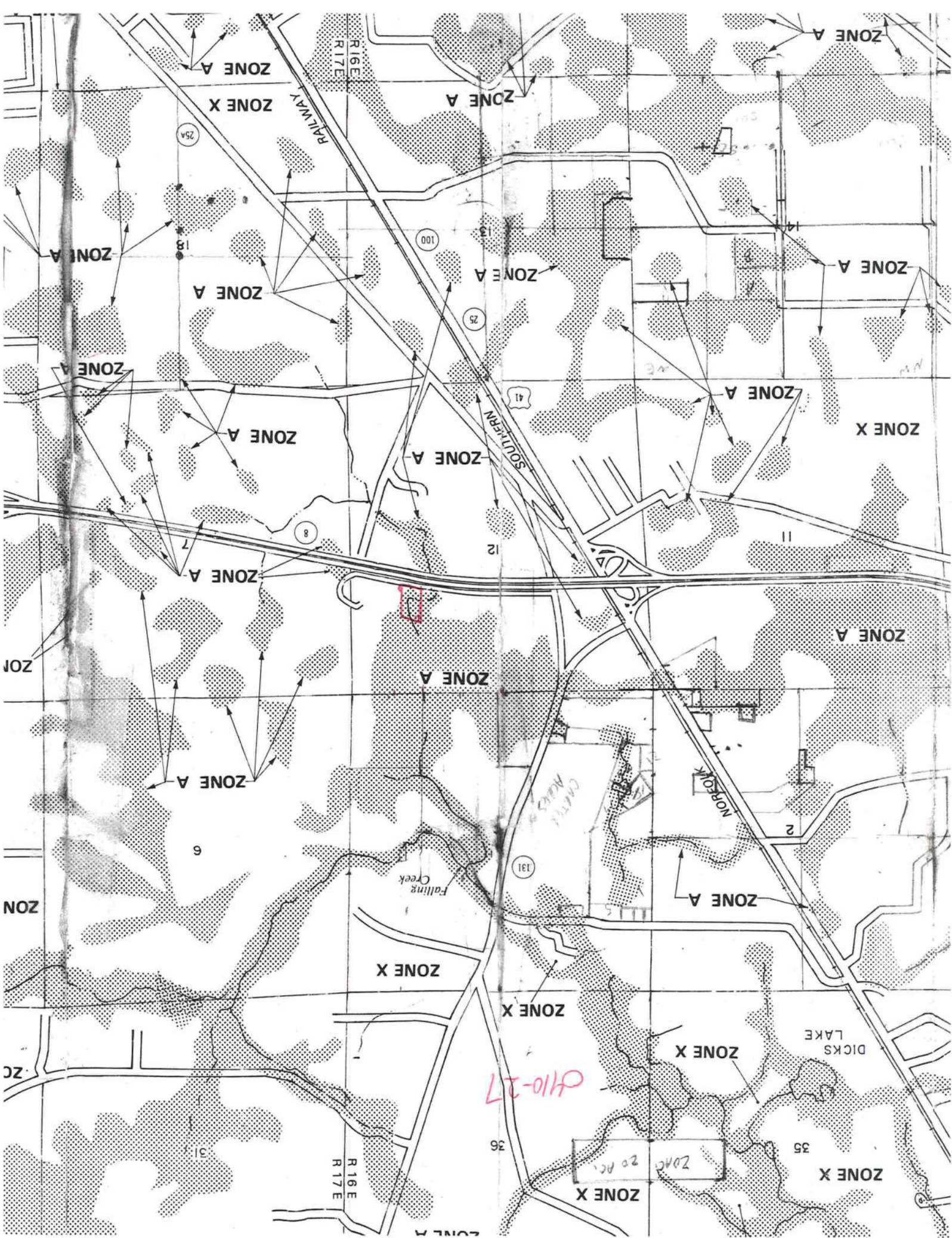


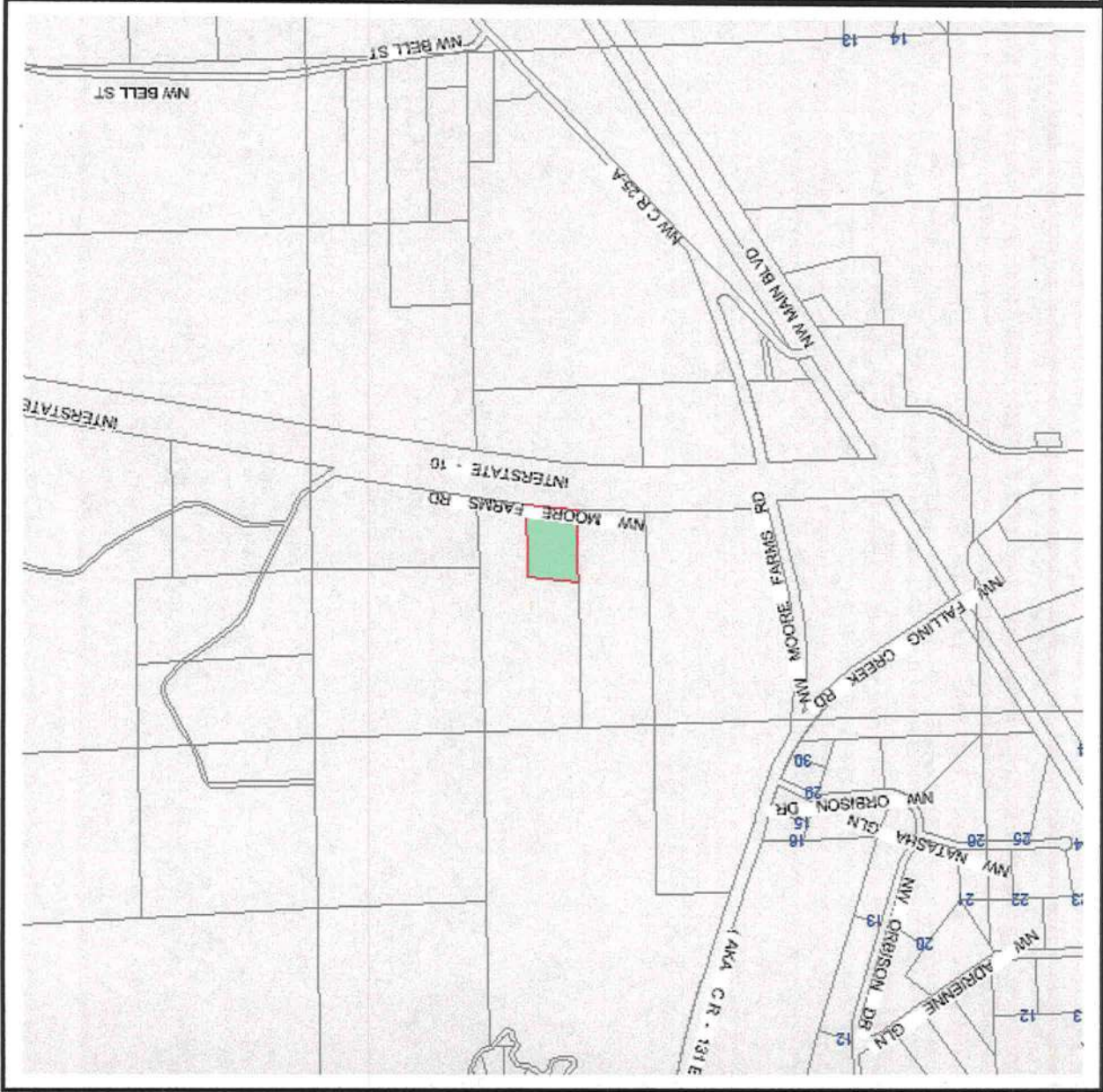
EXHIBIT "A"

COMMENCE AT THE NE CORNER OF THE NW1/4 OF NE1/4 OF SAID SECTION 12, RUN SOUTH 88°24'27" WEST ALONG THE NORTH BOUNDARY LINE OF SAID NW1/4 OF THE NE1/4 A DISTANCE OF 763.65 FEET; THENCE OSUTH 00°18'54" EAST A DISTANCE OF 1137.83 FEET TO THE POINT OF BEGINNING THENCE CONTINUE SOUTH 00°18'54" EAST A DISTANCE OF 568.91 TO THE NORTH RIGHT OF WAY COUNTY PAVED ROAD; THENCE IN AN EASTERLY DIRECTION ALONG SAID RIGHT OF WAY AN ARC DISTANCE OF 385.49 FEET; THENCE NORTH 00°18'54" WEST A DISTANCE OF 568.91 FEET; THENCE NORTH 85°37'36" WEST A DISTANCE OF 385.49 FEET TO THE POINT BEGINNING.

Inst:2004022920 Date:10/12/2004 Time:14:38

DC,P.DeWitt Cason,Columbia County B:1027 P:2505





Columbia County Property Appraiser

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

PARCEL: 12-3S-16-02095-005 - TIMBERLAND (005600)

COMM NE COR OF NW1/4 OF NE1/4, RUN W 763.65 FT, S 1137.83 FT TO POB,
CONT S 568.91 FT TO

Name: OSBURN JEFF A & TRACY J

Site: 466 NW MAXMORE DR

Mail: LAKE CITY, FL 32055

Sales: 4/27/2004 \$100.00 V / U

LandVal	\$0.00
BldgVal	\$0.00
ApprVal	\$774.00
JustVal	\$17,102.00
Assd	\$774.00
Exmpt	\$0.00
Taxable	\$774.00



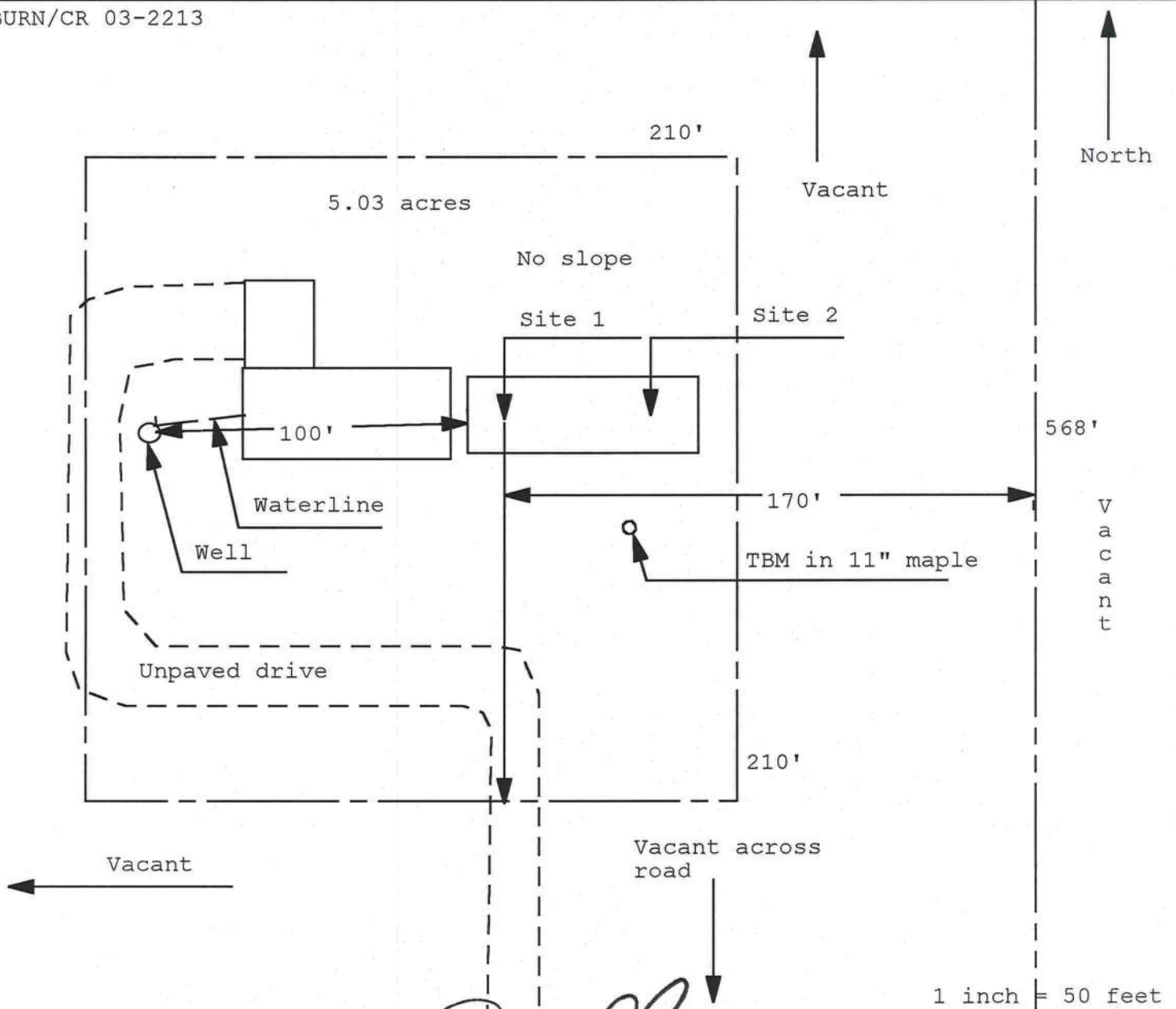
0 0.1 0.2 0.3 mi

This information, GIS Map Updated: 10/8/2004, was derived from data which was compiled by the Columbia County Property Appraiser's 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, its use, or its 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.

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0965N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

OSBURN/CR 03-2213



Site Plan Submitted By Paul Llop Date 7/20/04
Plan Approved Not Approved Date 7/20/04

By Paul Llop Sallie Haddy CPHU

Notes: ES1- COLUMBIA

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Osburn Residence**
Address: Lot: , Sub: , Plat:
City, State: ,
Owner: **The Osburn Residence**
Climate Zone: **North**

Builder:
Permitting Office: **Columbia**
Permit Number: **22458**
Jurisdiction Number: **221000**

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	3	—
5. Is this a worst case?	No	—
6. Conditioned floor area (ft ²)	2000 ft ²	—
7. Glass area & type	Single Pane	Double Pane
a. Clear glass, default U-factor	0.0 ft ²	257.0 ft ²
b. Default tint	0.0 ft ²	0.0 ft ²
c. Labeled U or SHGC	0.0 ft ²	0.0 ft ²
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=1.0, 218.0(p) ft	—
b. N/A		—
c. N/A		—
9. Wall types		
a. Face Brick, Wood, Exterior	R=11.0, 1962.0 ft ²	—
b. N/A		—
c. N/A		—
d. N/A		—
e. N/A		—
10. Ceiling types		
a. Under Attic	R=30.0, 2000.0 ft ²	—
b. N/A		—
c. N/A		—
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft	—
b. N/A		—
12. Cooling systems		
a. Central Unit	Cap: 30.0 kBtu/hr	—
	SEER: 13.00	—
b. N/A		—
c. N/A		—
13. Heating systems		
a. Electric Heat Pump	Cap: 30.0 kBtu/hr	—
	HSPF: 8.80	—
b. N/A		—
c. N/A		—
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	—
	EF: 0.90	—
b. N/A		—
c. Conservation credits		—
	(HR-Heat recovery, Solar	
	DHP-Dedicated heat pump)	
15. HVAC credits		CF, —
	(CF-Ceiling fan, CV-Cross ventilation,	
	HF-Whole house fan,	
	PT-Programmable Thermostat,	
	MZ-C-Multizone cooling,	
	MZ-H-Multizone heating)	

Glass/Floor Area: 0.13

Total as-built points: 23281

Total base points: 30338

PASS

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

PREPARED BY: *Dan Royal*
DATE: 5/14/04

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.



BUILDING OFFICIAL: _____
DATE: _____

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.6

The higher the score, the more efficient the home.

The Osburn Residence, Lot: , Sub: , Plat: , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2000 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 257.0 ft ²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 8.80
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=1.0, 218.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Face Brick, Wood, Exterior	R=11.0, 1962.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2000.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu 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: FLRCPB v3.30)

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2000.0	20.04	7214.4	Double, Clear	N	1.3	6.0	45.0	19.20	0.95	822.0
				Double, Clear	N	8.0	7.0	36.0	19.20	0.69	475.8
				Double, Clear	NE	6.0	7.0	15.0	29.56	0.62	273.0
				Double, Clear	NW	6.0	7.0	15.0	25.97	0.66	258.6
				Double, Clear	E	1.3	7.0	10.0	42.06	0.96	401.9
				Double, Clear	S	1.3	7.0	60.0	35.87	0.92	1980.0
				Double, Clear	S	9.0	7.0	60.0	35.87	0.49	1048.4
				Double, Clear	N	1.3	7.0	16.0	19.20	0.97	296.7
				As-Built Total:							257.0
WALL TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Face Brick, Wood, Exterior	11.0			1962.0	0.40	784.8	
Exterior	1962.0	1.70	3335.4								
Base Total:				As-Built Total:							
1962.0				1962.0			784.8				
3335.4											
DOOR TYPES											
Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				36.0	4.10	147.6	
Exterior	36.0	6.10	219.6								
Base Total:				As-Built Total:							
36.0				36.0			147.6				
219.6											
CEILING TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2000.0	1.73	3460.0	Under Attic	30.0			2000.0	1.73 X 1.00	3460.0	
Base Total:				As-Built Total:							
2000.0				2000.0			3460.0				
3460.0											
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	218.0(p)	-37.0	-8066.0	Slab-On-Grade Edge Insulation	1.0			218.0(p)	-39.87	-8690.9	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:							
-8066.0				218.0			-8690.9				
-8066.0											
INFILTRATION											
Area X BSPM = Points							Area X SPM = Points				
2000.0				10.21			20420.0				
2000.0				10.21			20420.0				

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 26583.4				Summer As-Built Points: 21677.9									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
				(DM x DSM x AHU)									
26583.4		0.4266	11340.5	21677.9		1.000		(1.090 x 1.147 x 0.91)		0.263		0.950	6151.3
				21677.9		1.00		1.138		0.263		0.950	6151.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2000.0	12.74	4586.4	Double, Clear	N	1.3	6.0	45.0	24.58	1.00	1107.9
				Double, Clear	N	8.0	7.0	36.0	24.58	1.02	902.5
				Double, Clear	NE	6.0	7.0	15.0	23.57	1.04	367.9
				Double, Clear	NW	6.0	7.0	15.0	24.30	1.02	372.7
				Double, Clear	E	1.3	7.0	10.0	18.79	1.02	191.8
				Double, Clear	S	1.3	7.0	60.0	13.30	1.04	833.5
				Double, Clear	S	9.0	7.0	60.0	13.30	3.11	2484.0
				Double, Clear	N	1.3	7.0	16.0	24.58	1.00	393.6
				As-Built Total:				257.0 6653.9			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Face Brick, Wood, Exterior	11.0		1962.0	3.50	6867.0		
Exterior	1962.0	3.70	7259.4								
Base Total: 1962.0 7259.4				As-Built Total: 1962.0 6867.0							
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			36.0	8.40	302.4		
Exterior	36.0	12.30	442.8								
Base Total: 36.0 442.8				As-Built Total: 36.0 302.4							
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2000.0	2.05	4100.0	Under Attic	30.0		2000.0	2.05 X 1.00 4100.0			
Base Total: 2000.0 4100.0				As-Built Total: 2000.0 4100.0							
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	218.0(p)	8.9	1940.2	Slab-On-Grade Edge Insulation	1.0	218.0(p)	15.63	3408.1			
Raised	0.0	0.00	0.0								
Base Total: 1940.2				As-Built Total: 218.0 3408.1							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2000.0 -0.59 -1180.0				2000.0 -0.59 -1180.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		17148.8		Winter As-Built Points:		20151.4					
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
				(DM x DSM x AHU)							
17148.8		0.6274	10759.2	20151.4	1.000	1.000	(1.069 x 1.169 x 0.93)	0.387	1.000	9075.1	
				20151.4	1.00		1.162	0.387	1.000	9075.1	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

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

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
Hot Water			=	Hot Water			=
Points		Points	Total	Points		Points	Total
Points		Points	Points	Points		Points	Points
11340		10759	8238	30338	6151	9075	8055
				23281			

PASS



ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.6
The higher the score, the more efficient the home.

The Osburn Residence, Lot: , Sub: , Plat: , , ,

1. New construction or existing
2. Single family or multi-family
3. Number of units, if multi-family
4. Number of Bedrooms
5. Is this a worst case?
6. Conditioned floor area (ft²)
7. Glass area & type
8. Floor types
9. Wall types
10. Ceiling types
11. Ducts
12. Cooling systems
13. Heating systems
14. Hot water systems
15. HVAC credits

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: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

The Osburn Residence

Project Title:
Osburn Residence

Code Only
Professional Version
Climate: North

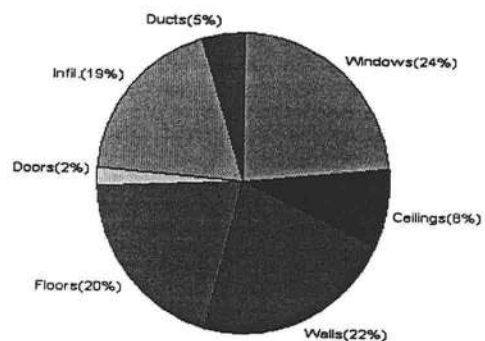
5/13/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation		Total cooling load calculation	
	30812 Btuh		26686 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	97.4 30000	Sensible (SHR = 0.75)	105.9 22500
Heat Pump + Auxiliary(0.0kW)	97.4 30000	Latent	138.0 7500
		Total (Electric Heat Pump)	112.4 30000

WINTER CALCULATIONS

Winter Heating Load (for 2000 sqft)

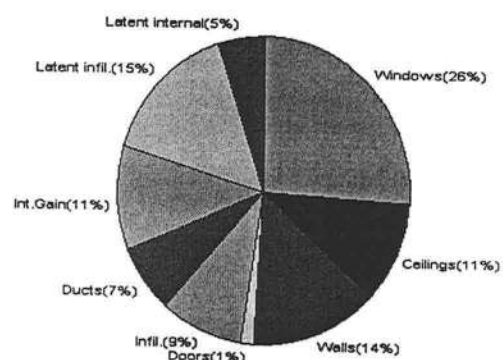
Load component			Load	
Window total	257 sqft		7273	Btuh
Wall total	1962 sqft		6867	Btuh
Door total	36 sqft		660	Btuh
Ceiling total	2000 sqft		2600	Btuh
Floor total	218 ft		6213	Btuh
Infiltration	134 cfm		5731	Btuh
Subtotal			29344	Btuh
Duct loss			1467	Btuh
TOTAL HEAT LOSS			30812	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2000 sqft)

Load component			Load	
Window total	257 sqft		6994	Btuh
Wall total	1962 sqft		3806	Btuh
Door total	36 sqft		365	Btuh
Ceiling total	2000 sqft		2840	Btuh
Floor total			0	Btuh
Infiltration	117 cfm		2315	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			19320	Btuh
Duct gain			1932	Btuh
Total sensible gain			21252	Btuh
Latent gain(infiltration)			4054	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			5434	Btuh
TOTAL HEAT GAIN			26686	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

EnergyGauge® FLRCPB v3.30

System Sizing Calculations - Winter

Residential Load - Component Details

The Osburn Residence

Project Title:
Osburn Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

5/13/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
2	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
3	2, Clear, Metal, DEF	NE	15.0	28.3	424 Btuh
4	2, Clear, Metal, DEF	NW	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	E	10.0	28.3	283 Btuh
6	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
7	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
8	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
Window Total			257		7273 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1962	3.5	6867 Btuh
Wall Total			1962		6867 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		36	18.3	660 Btuh
Door Total			36		660Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2000	1.3	2600 Btuh
Ceiling Total			2000		2600Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	1	218.0 ft(p)	28.5	6213 Btuh
Floor Total			218		6213 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	20000(sqft)	134	5731 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				134	5731 Btuh

Totals for Heating	Subtotal	29344 Btuh
	Duct Loss(using duct multiplier of 0.05)	1467 Btuh
	Total Btuh Loss	30812 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

The Osburn Residence

Project Title:
Osburn Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

5/13/2004

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.33	6	45.0	0.0	45.0	22	22	990	Btuh
2	2, Clear, DEF, N, N	N	8	7	36.0	0.0	36.0	22	22	792	Btuh
3	2, Clear, DEF, N, N	NE	6	7	15.0	0.0	15.0	22	50	750	Btuh
4	2, Clear, DEF, N, N	NW	6	7	15.0	0.0	15.0	22	50	750	Btuh
5	2, Clear, DEF, N, N	E	1.33	7	10.0	0.0	10.0	22	72	720	Btuh
6	2, Clear, DEF, N, N	S	1.33	7	60.0	60.0	0.0	22	37	1320	Btuh
7	2, Clear, DEF, N, N	S	9	7	60.0	60.0	0.0	22	37	1320	Btuh
8	2, Clear, DEF, N, N	N	1.33	7	16.0	0.0	16.0	22	22	352	Btuh
Window Total					257					6994	Btuh
Walls 1	Type	R-Value			Area			HTM		Load	
	Frame - Exterior	11.0			1962.0			1.9		3806 Btuh	
	Wall Total				1962.0					3806 Btuh	
Doors 1	Type				Area			HTM		Load	
	Insulated - Exter				36.0			10.1		365 Btuh	
	Door Total				36.0					365 Btuh	
Ceilings 1	Type/Color	R-Value			Area			HTM		Load	
	Under Attic/Dark	30.0			2000.0			1.4		2840 Btuh	
	Ceiling Total				2000.0					2840 Btuh	
Floors 1	Type	R-Value			Size			HTM		Load	
	Slab-On-Grade Edge Insulation	1.0			218.0 ft(p)			0.0		0 Btuh	
	Floor Total				218.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.35			20000			116.9		2315 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							117		2315 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 300 +			1200		3000 Btuh		
Totals for Cooling		Subtotal								19320 Btuh	
		Duct gain(using duct multiplier of 0.10)								1932 Btuh	
		Total sensible gain								21252 Btuh	
		Latent infiltration gain (for 51 gr. humidity difference)								4054 Btuh	
		Latent occupant gain (6 people @ 230 Btuh per person)								1380 Btuh	
		Latent other gain								0 Btuh	
		TOTAL GAIN								26686 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/Overhangs(R), or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

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.	

05butN

Thomas E. Miller, FL PE 56877, EB #9196
DEC 08 2004

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Licensee Details**Licensee Information**

Name: **NORTON, JAMES H (Primary Name)**
NORTON HOME IMPROVEMENT COMPANY
INC (DBA Name)
Main Address: **RT 28 BOX 388A**
LAKE CITY, Florida 32025
Lic. Location: **RT 28 BOX 388A**
LAKE CITY, FL 32025
Columbia

License Information

License Type: **Registered Building Contractor**
Rank: **Reg Building**
License Number: **RB0031780**
Status: **Current, Active**
Licensure Date: **02/16/1978**
Expires: **08/31/2005**

[Term Glossary](#)[Online Help](#)

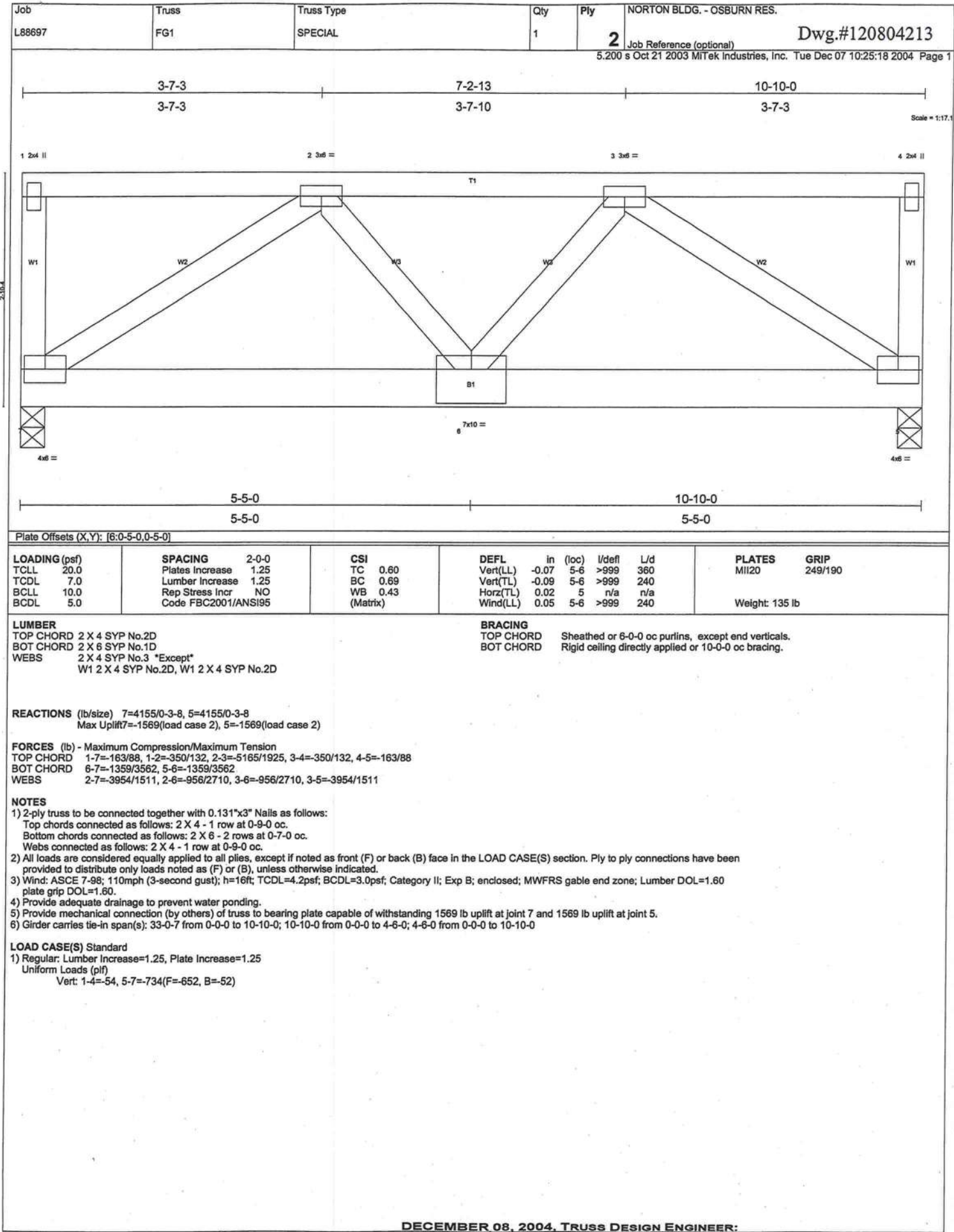
Special Qualifications

Effective Date

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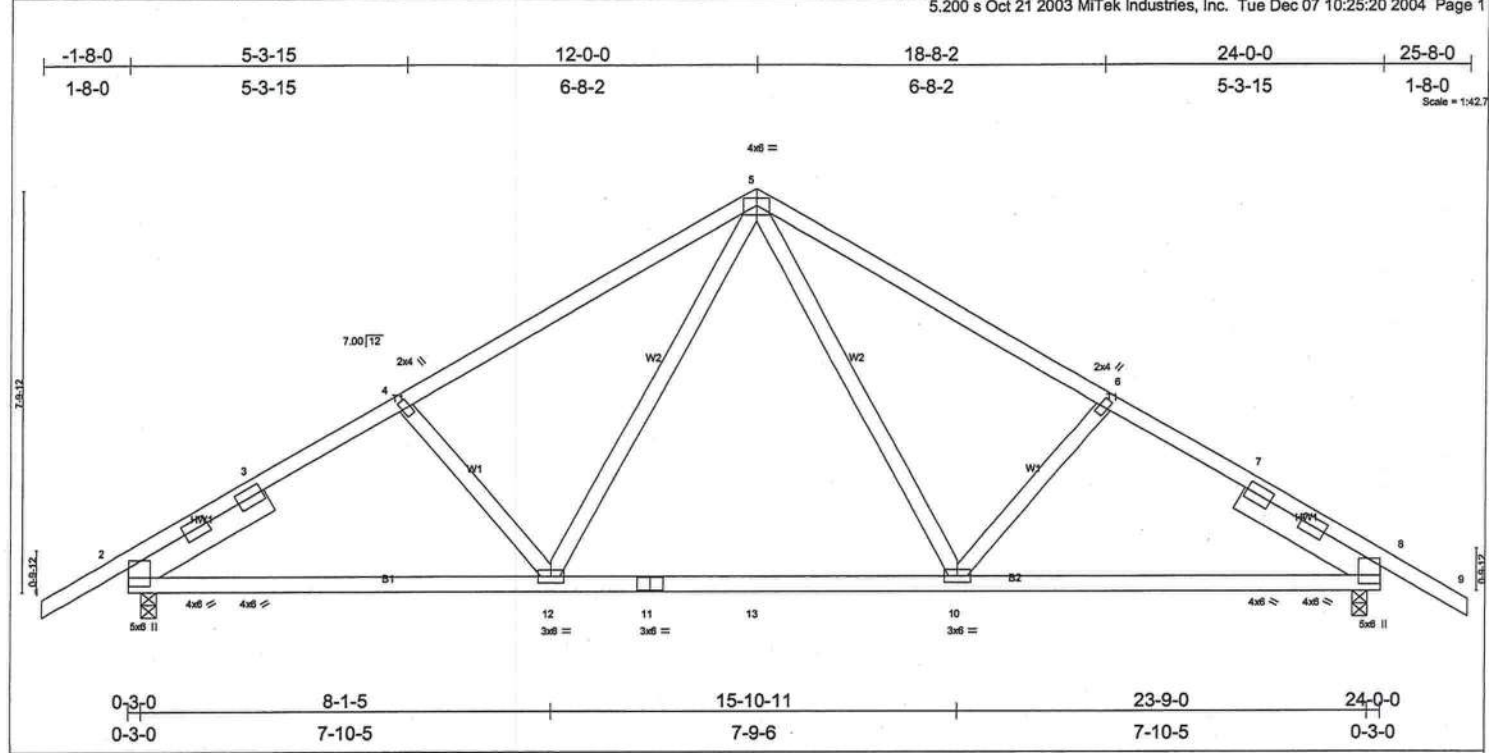


Plate Offsets (X,Y): [2:0-4-3,0-0-1], [5:0-3-0,0-1-12], [8:0-4-3,0-0-1]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plates Increase 1.25		TC	0.49	Vert(LL)	-0.27 10-12 >999 360	Mil20	249/190
TCDL	7.0	Lumber Increase 1.25		BC	0.81	Vert(TL)	0.39 10-12 >731 240		
BCLL	10.0	Rep Stress Incr NO		WB	0.99	Horz(TL)	-0.04 8 n/a n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Wind(LL)	0.46 10-12 >624 240	Weight: 135 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
SLIDER Left 2 X 6 SYP No.1D 3-1-3, Right 2 X 6 SYP No.1D 3-1-3

BRACING

TOP CHORD Sheathed or 4-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-13 oc bracing.

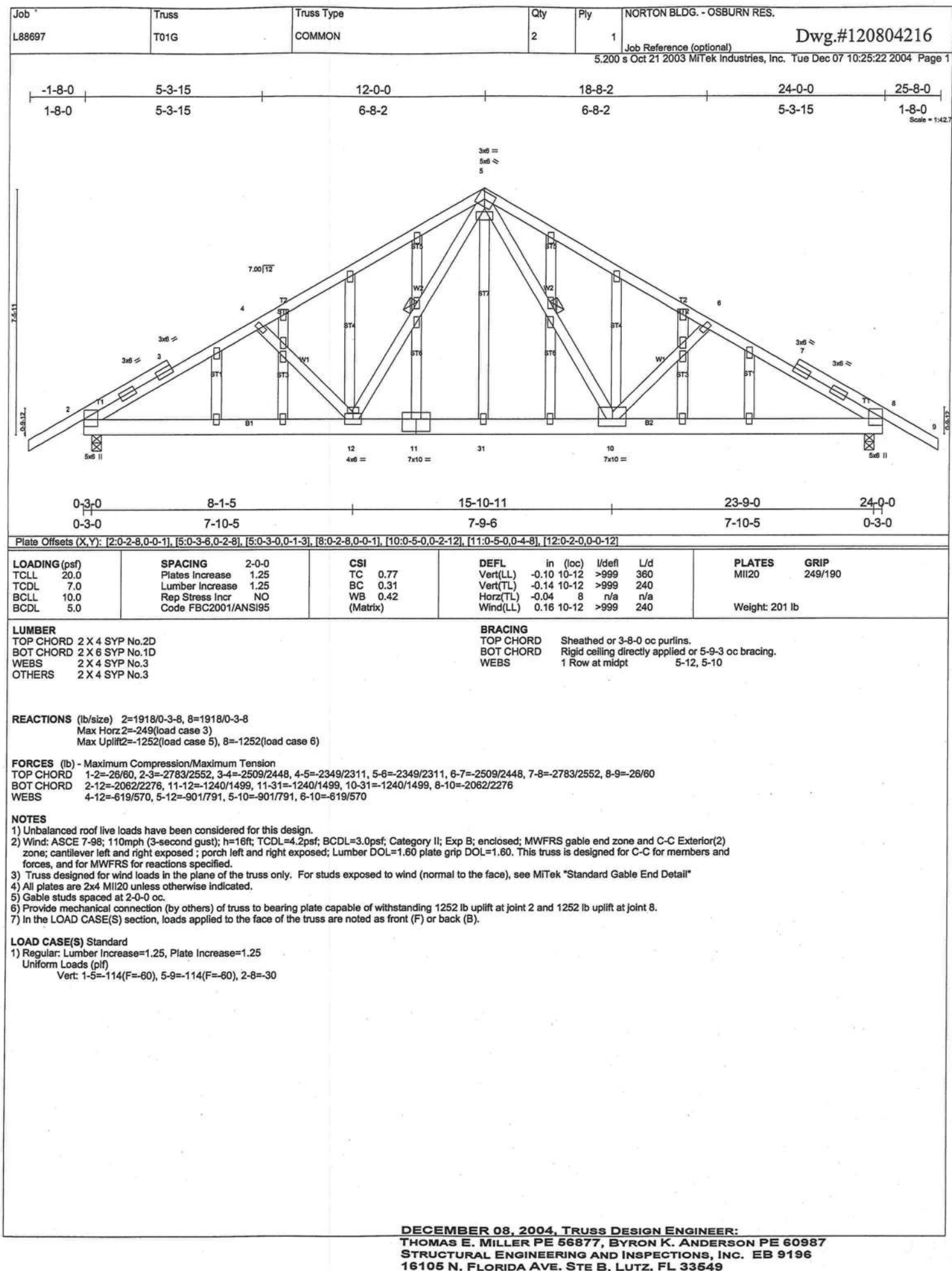
REACTIONS (lb/size) 2=1292/0-3-8, 8=1292/0-3-8
Max Horz 2=263(load case 4)
Max Uplift 2=826(load case 5), 8=826(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-1820/1650, 3-4=-1738/1666, 4-5=-1641/1670, 5-6=-1641/1670, 6-7=-1738/1666, 7-8=-1820/1650, 8-9=0/25
BOT CHORD 2-12=-1270/1449, 11-12=-810/1054, 11-13=-810/1054, 10-13=-810/1054, 8-10=-1270/1449
WEBS 4-12=-191/222, 5-12=-783/678, 5-10=-783/678, 6-10=-191/222

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; 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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 826 lb uplift at joint 2 and 826 lb uplift at joint 8.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 2-12=-30, 10-12=-80(F=-50), 8-10=-30

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 66877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33649



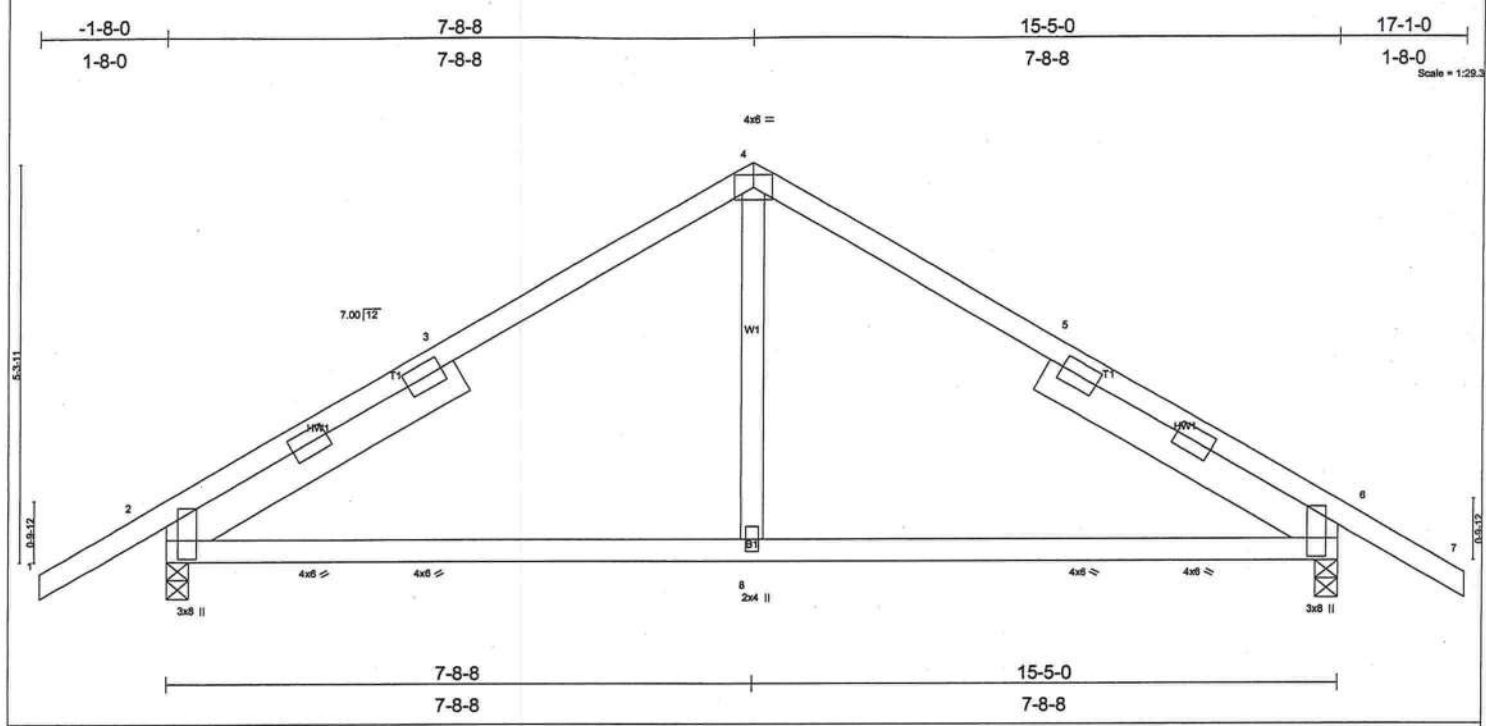


Plate Offsets (X,Y): [2:0-5-3,0-1-13], [6:0-5-3,0-1-13]										
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.08	2-8	>999	360	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.31	Vert(TL)	-0.11	2-8	>999	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.08	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.06	2-8	>999	240	Weight: 84 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
SLIDER Left 2 X 6 SYP No.1D 4-5-10, Right 2 X 6 SYP No.1D 4-5-10

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) 2=738/0-3-8, 6=738/0-3-8
Max Horz 2=-176(load case 3)
Max Uplift 2=-288(load case 5), 6=-288(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-758/251, 3-4=-660/270, 4-5=-660/270, 5-6=-758/251, 6-7=0/25
BOT CHORD 2-8=-108/570, 6-8=-108/570
WEBS 4-8=0/258

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2 and 288 lb uplift at joint 6.

LOAD CASE(S) Standard

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

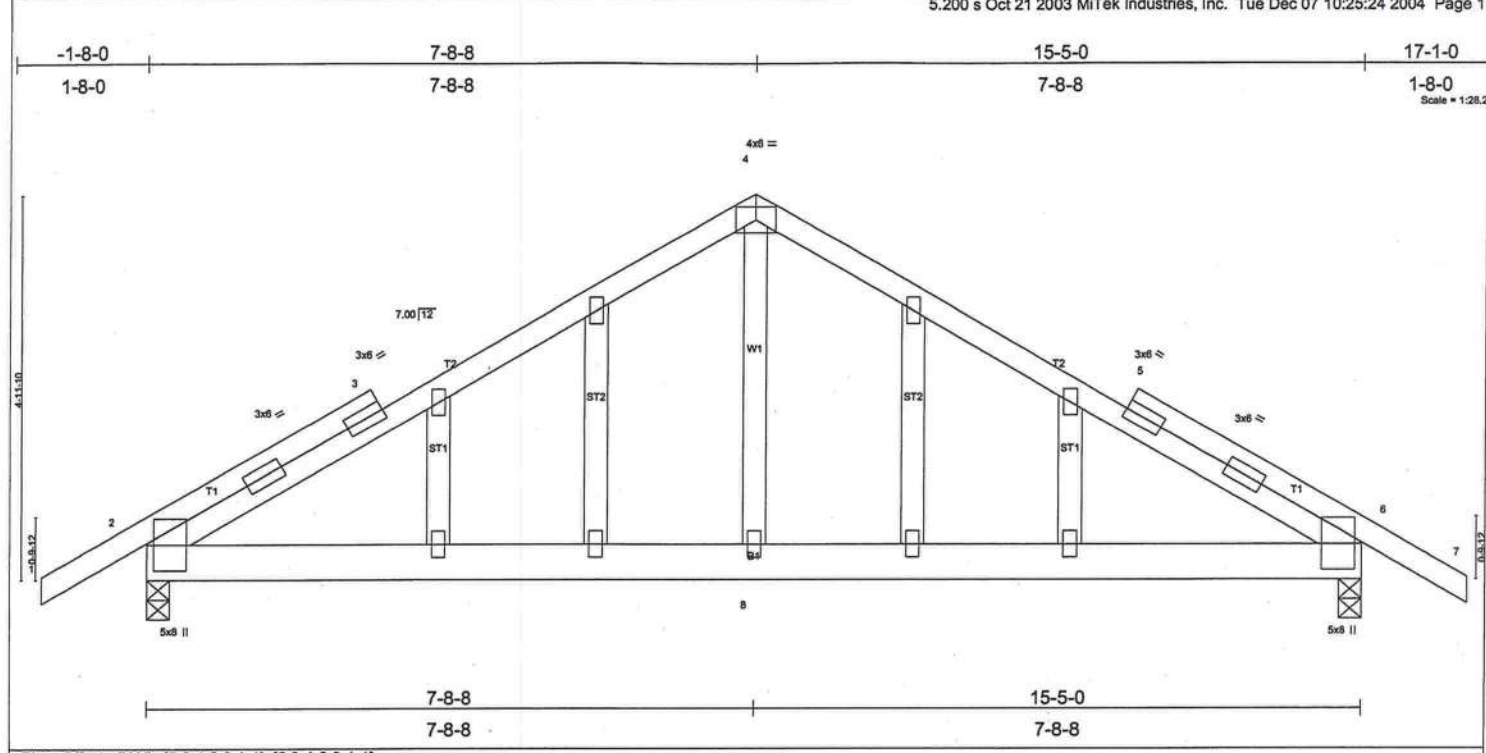


Plate Offsets (X,Y): [2:0-4-0,0-1-1], [6:0-4-0,0-1-1]									
LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	20.0	Plates Increase	1.25	TC	0.72	in (loc)	l/defl	MII20	GRIP
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(LL)	-0.07 2-8 >999		249/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.14	Vert(TL)	-0.10 2-8 >999		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Horz(TL)	0.01 6 n/a		
						Wind(LL)	0.06 2-8 >999		
								Weight: 99 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Sheathed or 4-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1262/0-3-8, 6=1262/0-3-8
Max Horz 2=-161(load case 3)
Max Uplift 2=-475(load case 5), 6=-475(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5/40, 2-3=-1523/508, 3-4=-1292/481, 4-5=-1292/481, 5-6=-1523/508, 6-7=-5/40
BOT CHORD 2-8=-314/1116, 6-8=-314/1116
WEBS 4-8=-58/432

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; 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.
 - 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"
 - All plates are 2x4 MII20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 475 lb uplift at joint 2 and 475 lb uplift at joint 6.
 - 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=-114(F=60), 4-7=-114(F=60), 2-6=-30

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job *	Truss	Truss Type	Qty	Ply	NORTON BLDG. - OSBURN RES.
L88697	T03	COMMON	1	1	Dwg.#120804219
					Job Reference (optional)

5.200 s Oct 21 2003 MiTek Industries, Inc. Tue Dec 07 10:25:25 2004 Page 1

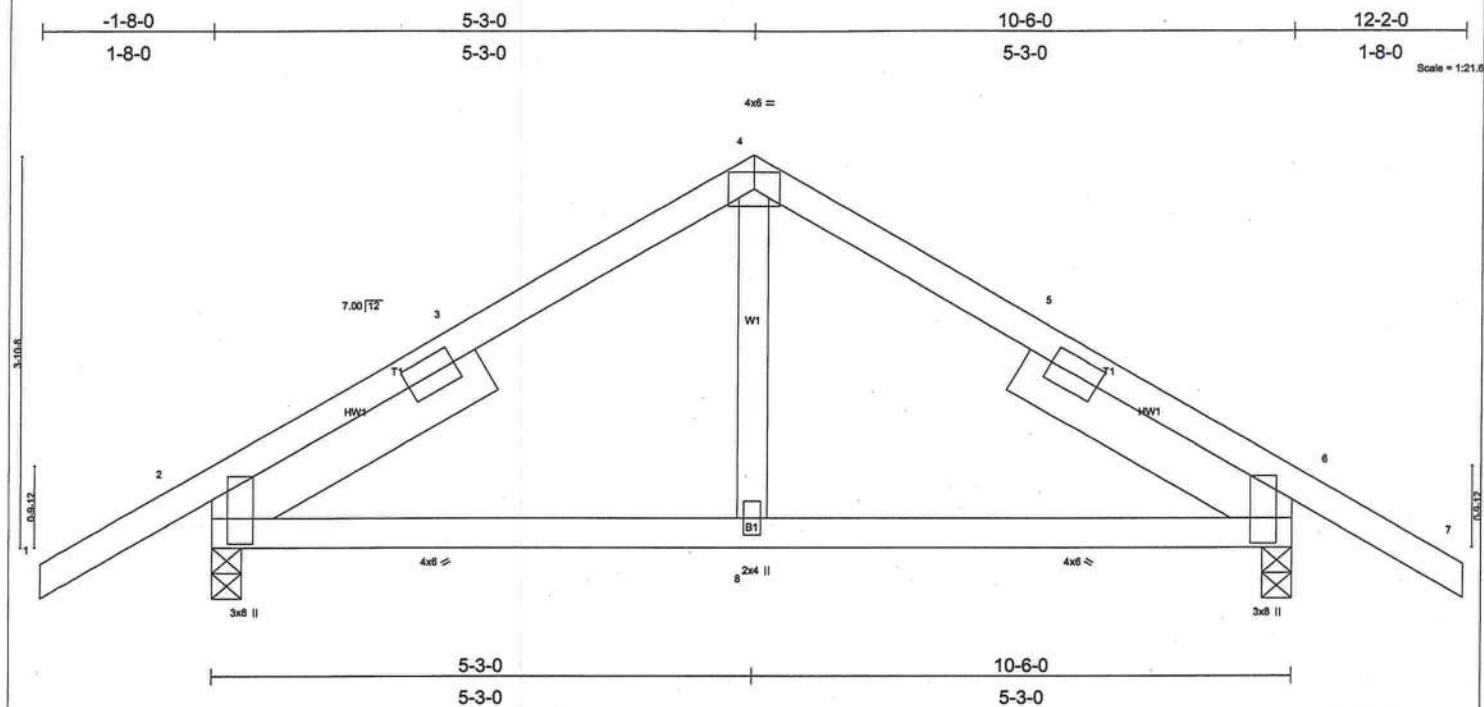


Plate Offsets (X,Y): [2:0-5-3,0-1-13], [6:0-5-3,0-1-13]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)
TCLL 20.0	Plates Increase	1.25	TC 0.13	Vert(LL)	-0.02 2-8 >999 360
TCDL 7.0	Lumber Increase	1.25	BC 0.15	Vert(TL)	0.02 1 >962 240
BCLL 10.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00 6 n/a n/a
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.01 2-8 >999 240
				PLATES	GRIP
				M1120	249/190
				Weight: 59 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	
SLIDER Left 2 X 6 SYP No.1D 3-0-9, Right 2 X 6 SYP No.1D 3-0-9	

REACTIONS (lb/size) 2=531/0-3-8, 6=531/0-3-8
Max Horz 2=-126(load case 3)
Max Uplift 2=-228(load case 5), 6=-228(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-503/157, 3-4=-406/178, 4-5=-406/178, 5-6=-503/157, 6-7=0/25
BOT CHORD 2-8=-54/351, 6-8=-54/351
WEBS 4-8=0/168

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 2 and 228 lb uplift at joint 6.

LOAD CASE(S) Standard

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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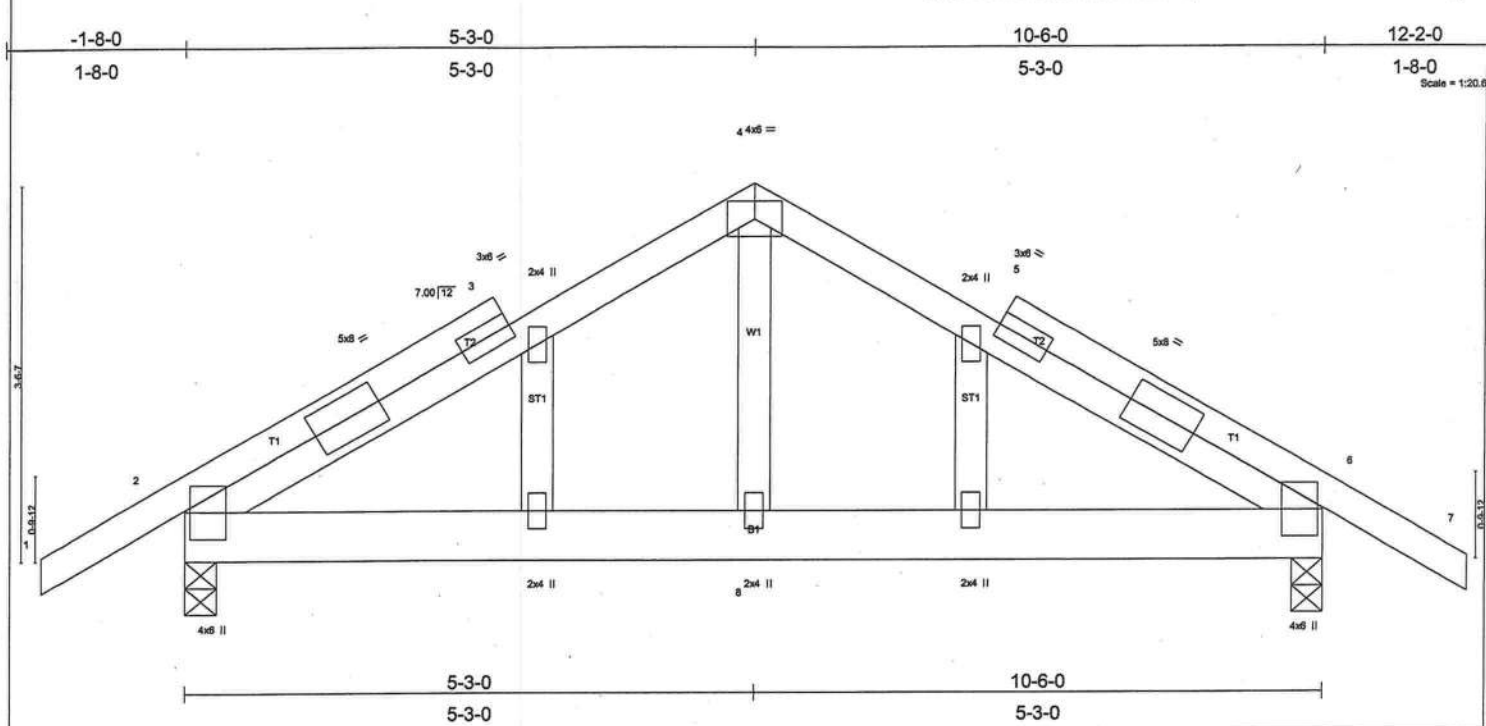


Plate Offsets (X,Y): [2:0-3-0,0-0-9], [6:0-3-0,0-0-9]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.01 2-8 >999	360	
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.02 2-8 >999	240	
BCLL	10.0	Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.01 6 n/a	n/a	
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Wind(LL)	0.01 2-8 >999	240	
								Weight: 67 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D

BOT CHORD 2 X 4 SYP No.1D

WEBS 2 X 4 SYP No.3

OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Sheathed or 6'-0" oc purlins.

BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 2=908/0-3-8, 6=908/0-3-8
Max Horiz 2=-111(load case 3)
Max Uplift 2=-359(load case 5), 6=-359(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5/40, 2-3=-977/338, 3-4=-797/315, 4-5=-797/315, 5-6=-977/338, 6-7=-5/40
BOT CHORD 2-8=-188/708, 6-8=-188/708
WEBS 4-8=-9/235

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable studs spaced at 2'-0" oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 359 lb uplift at joint 2 and 359 lb uplift at joint 6.
6) 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=-114(F=-60), 4-7=-114(F=-60), 2-6=-30

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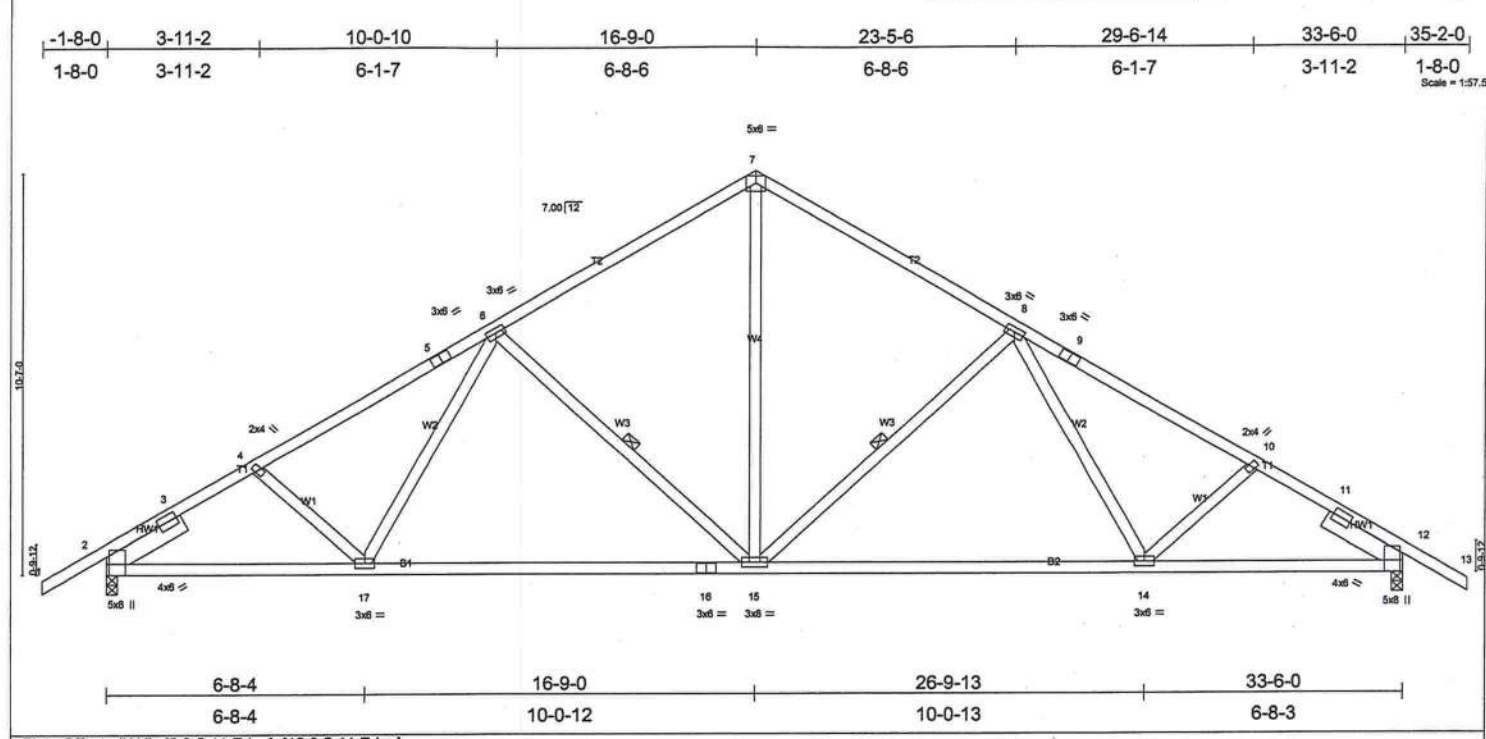


Plate Offsets (X,Y): [2:0-5-11,Edge], [12:0-5-11,Edge]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.59	Vert(LL)	-0.25 15-17	>999	360	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.36 15-17	>999	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.74	Horz(TL)	0.07 12	n/a	n/a		
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.09 15-17	>999	240	Weight: 197 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

SLIDER Left 2 X 6 SYP No.1D 2-3-8, Right 2 X 6 SYP No.1D 2-3-8

BRACING

TOP CHORD Sheathed or 3-8-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 8-1-8 oc bracing.

WEBS 1 Row at midpt 6-15, 8-15

REACTIONS (lb/size) 2=1497/0-3-8, 12=1497/0-3-8
Max Horz 2=359(load case 4)
Max Uplift 2=512(load case 5), 12=512(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-2159/747, 3-4=-2096/756, 4-5=-2017/727, 5-6=-1881/742, 6-7=-1468/641, 7-8=-1468/641, 8-9=-1881/742, 9-10=-2017/727, 10-11=-2096/756, 11-12=-2159/747, 12-13=0/25
BOT CHORD 2-17=-637/1720, 16-17=-481/1558, 15-16=-481/1558, 14-15=-389/1558, 12-14=-513/1720
WEBS 4-17=-56/172, 6-17=-66/321, 6-15=-537/376, 7-15=-398/1031, 8-15=-537/376, 8-14=-66/321, 10-14=-56/172

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 2 and 512 lb uplift at joint 12.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - OSBURN RES.
L88697	T04G	COMMON	2	1	
					Job Reference (optional)
					Dwg.#120804222

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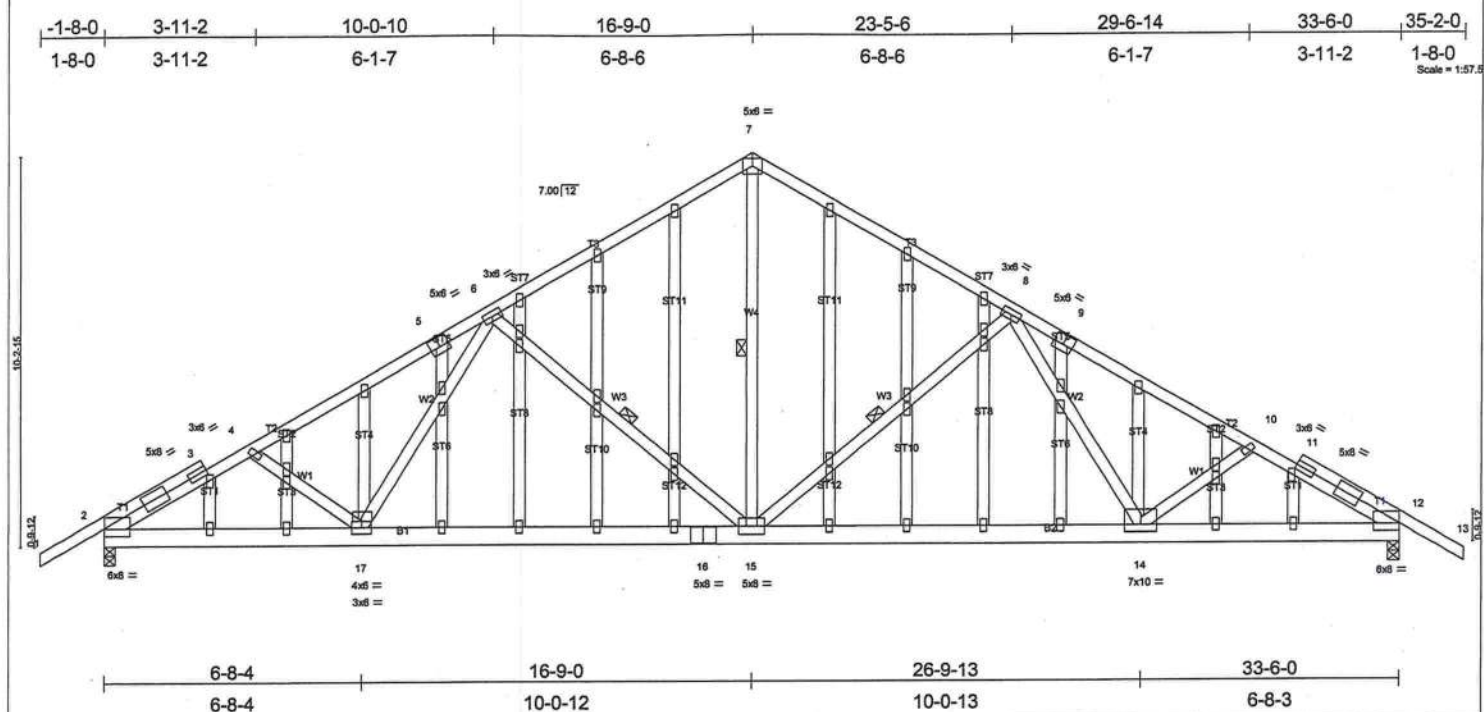


Plate Offsets (X,Y): [2:0-0-1,0-2-4], [3:0-1-12,0-1-0], [5:0-3-0,0-3-0], [9:0-3-0,0-3-0], [11:0-2-0,0-0-8], [12:0-0-1,0-2-4], [14:0-5-0,0-2-4], [17:0-2-12,0-1-6]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	in (loc) l/defl L/d	MII20	249/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(LL) -0.21 14-15 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.59	Vert(TL) -0.30 14-15 >999 240		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.08 12 n/a n/a		
	Code FBC2001/ANSI95		Wind(LL) 0.13 14-15 >999 240		
					Weight: 319 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Sheathed or 2-8-12 oc purlins.
BOT CHORD 2 X 6 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 6-15, 7-15, 8-15
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=2602/0-3-8, 12=2602/0-3-8
Max Horz 2=-345(load case 3)
Max Uplift 2=-932(load case 5), 12=-932(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8/60, 2-3=-4225/1454, 3-4=-4026/1433, 4-5=-3829/1319, 5-6=-3506/1284, 6-7=-2636/1006, 7-8=-2636/1006, 8-9=-3506/1284, 9-10=-3829/1319, 10-11=-4025/1433, 11-12=-4225/1454, 12-13=-8/60
BOT CHORD 2-17=-1304/3542, 16-17=-969/2870, 15-16=-969/2870, 14-15=-847/2870, 12-14=-1155/3542
WEBS 4-17=-480/331, 6-17=-153/603, 6-15=-1033/556, 7-15=-616/1694, 8-15=-1033/556, 8-14=-154/603, 10-14=-480/332

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MII20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 932 lb uplift at joint 2 and 932 lb uplift at joint 12.
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: 1-7=-114(F=60), 7-13=-114(F=60), 2-12=-30

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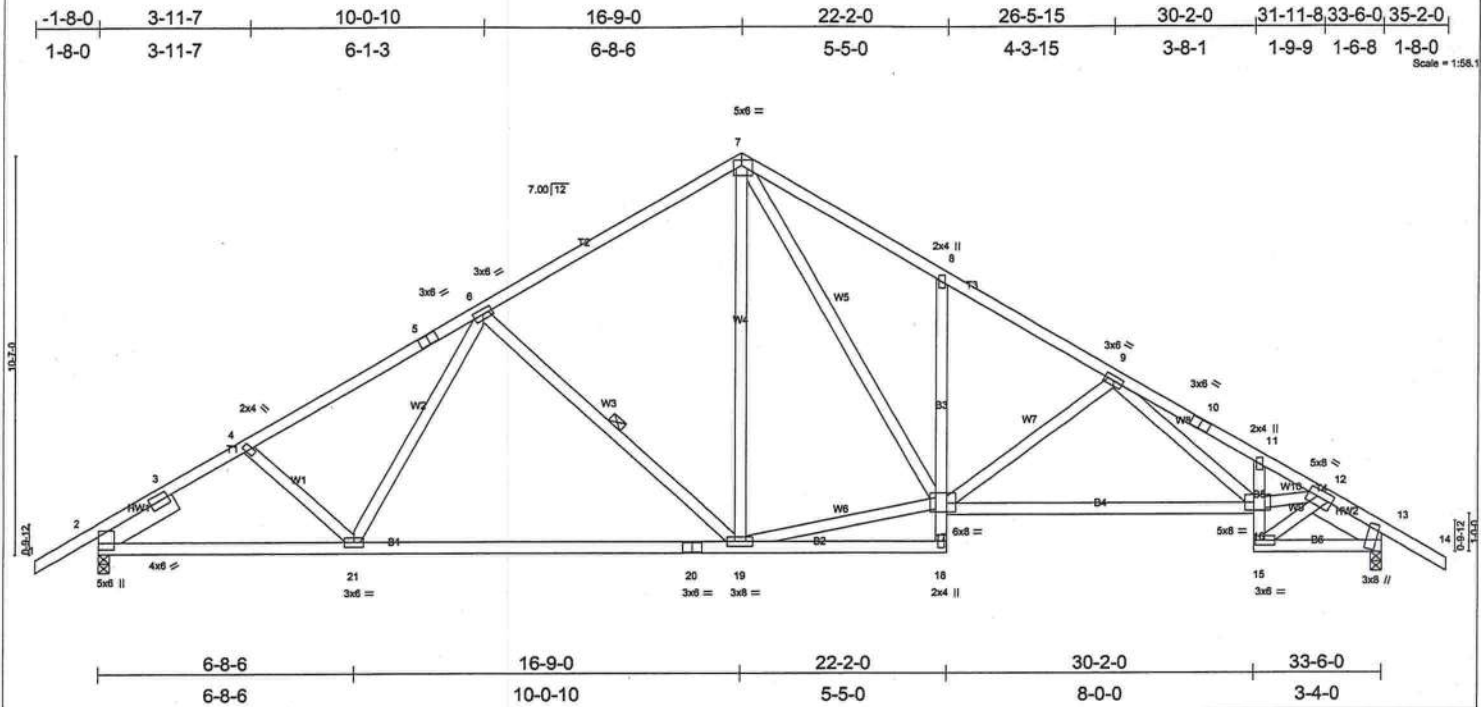


Plate Offsets (X,Y): [2:0-4-3,0-0-1], [7:0-2-8,0-1-12], [12:0-3-0,0-2-4], [13:0-3-11,0-1-11], [16:0-2-12,0-2-8], [17:0-2-12,0-2-12]									
LOADING (psf)		SPACING		CSI		DEFL		PLATES	GRIP
TCLL	20.0	2-0-0	Plates Increase 1.25	TC	0.59	in (loc)	l/defl	MII20	249/190
TCDL	7.0	Lumber Increase 1.25		BC	0.60	Vert(LL)	-0.31 19-21 >999		
BCLL	10.0	Rep Stress Incr YES		WB	0.87	Vert(TL)	-0.45 19-21 >892		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Horz(TL)	0.15 13 n/a		
						Wind(LL)	0.13 16-17 >999		
								Weight: 224 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
SLIDER Left 2 X 6 SYP No.1D 2-3-11, Right 2 X 6 SYP No.1D 1-11-0

BRACING

TOP CHORD Sheathed or 3-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-19

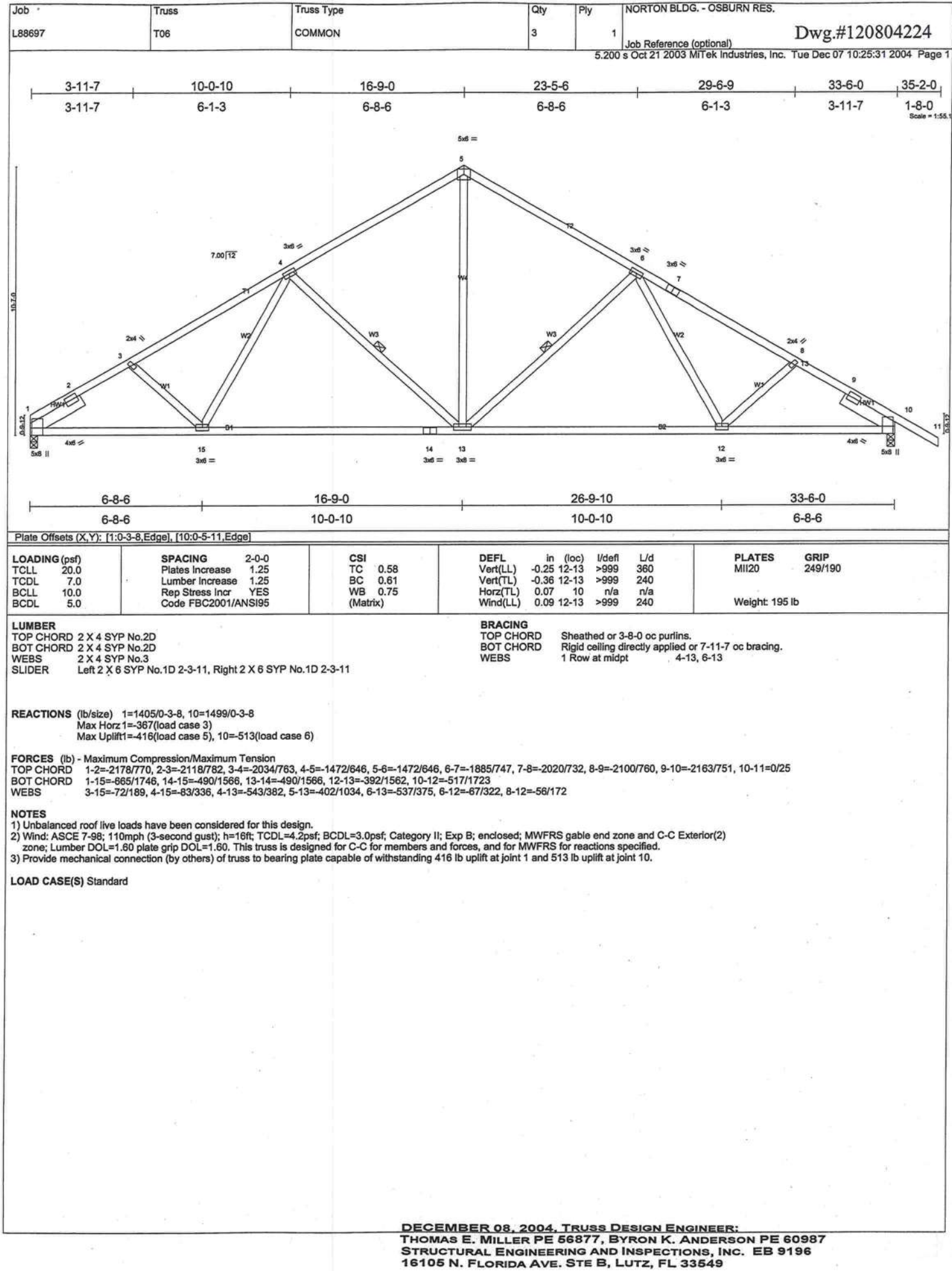
REACTIONS (lb/size) 2=1497/0-3-8, 13=1497/0-3-8
Max Horz 2=359(load case 4)
Max Uplift 2=512(load case 5), 13=512(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=2164/745, 3-4=2100/754, 4-5=2022/726, 5-6=1887/741, 6-7=1460/642, 7-8=2056/906, 8-9=2079/772, 9-10=3431/1134, 10-11=3463/1124, 11-12=3209/1010, 12-13=1940/650, 13-14=0/25
BOT CHORD 2-21=635/1722, 20-21=482/1558, 19-20=482/1558, 18-19=79/0, 17-18=0/41, 8-17=259/263, 16-17=586/2143, 15-16=193/889, 11-16=218/160, 13-15=370/1348
WEBS 4-21=54/172, 6-21=64/336, 6-19=543/375, 7-19=174/459, 17-19=170/1261, 7-17=461/1102, 9-17=512/282, 9-16=289/1135, 12-16=658/2513, 12-15=1345/319

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 2 and 512 lb uplift at joint 13.

LOAD CASE(S) Standard

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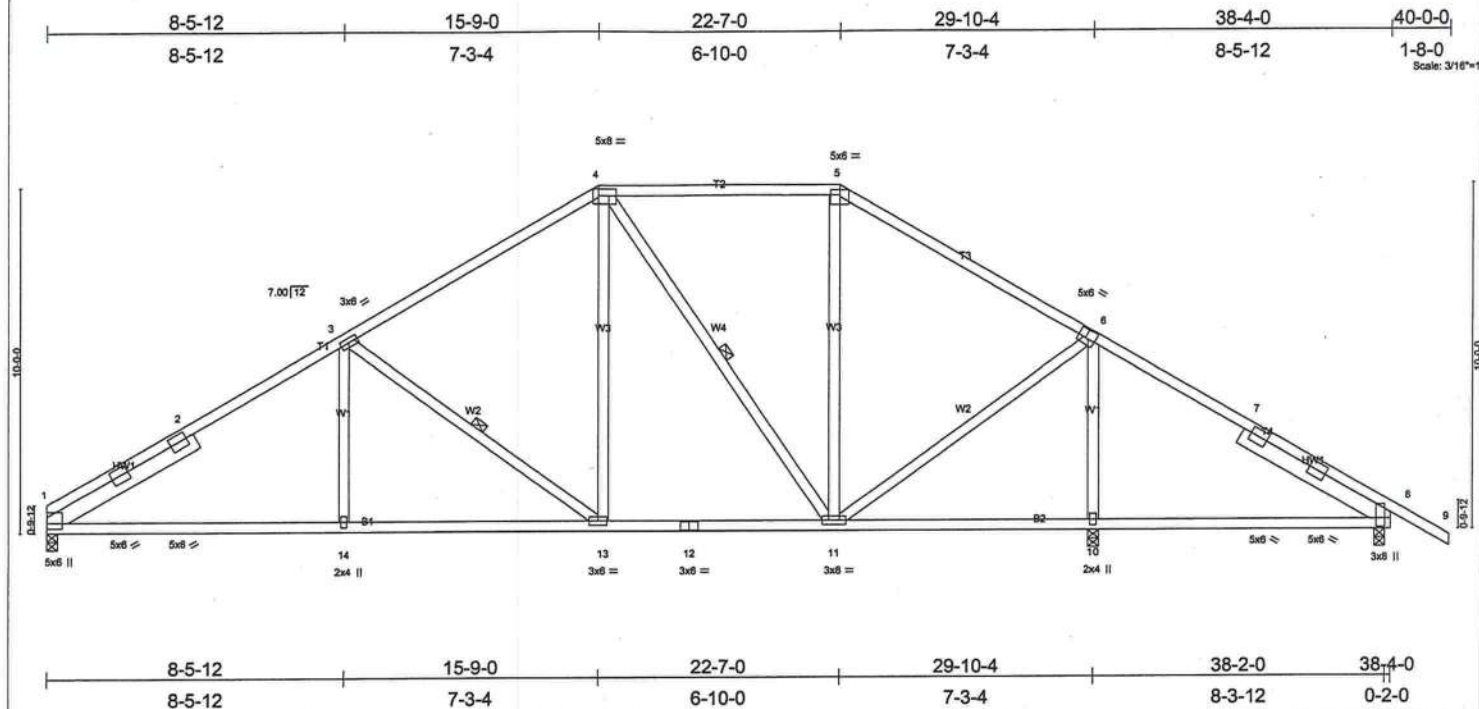


Plate Offsets (X,Y): [1:0-2-0,0-0-1], [4:0-6-0,0-2-4], [5:0-3-0,0-1-12], [6:0-2-12,0-3-0], [8:0-5-3,0-1-13]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)
TCLL 20.0	Plates Increase	1.25	TC 0.44	TC	-0.12 1-14 >999 360
TCDL 7.0	Lumber Increase	1.25	BC 0.46	Vert(TL)	0.21 8-10 >487 240
BCLL 10.0	Rep Stress Incr	YES	WB 0.61	Horz(TL)	0.05 8 n/a n/a
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.24 8-10 >430 240
					Weight: 234 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
SLIDER Left 2 X 6 SYP No.1D 4-11-0, Right 2 X 6 SYP No.1D 4-11-0

BRACING

TOP CHORD Sheathed or 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.
WEBS 1 Row at midpt 3-13, 4-11

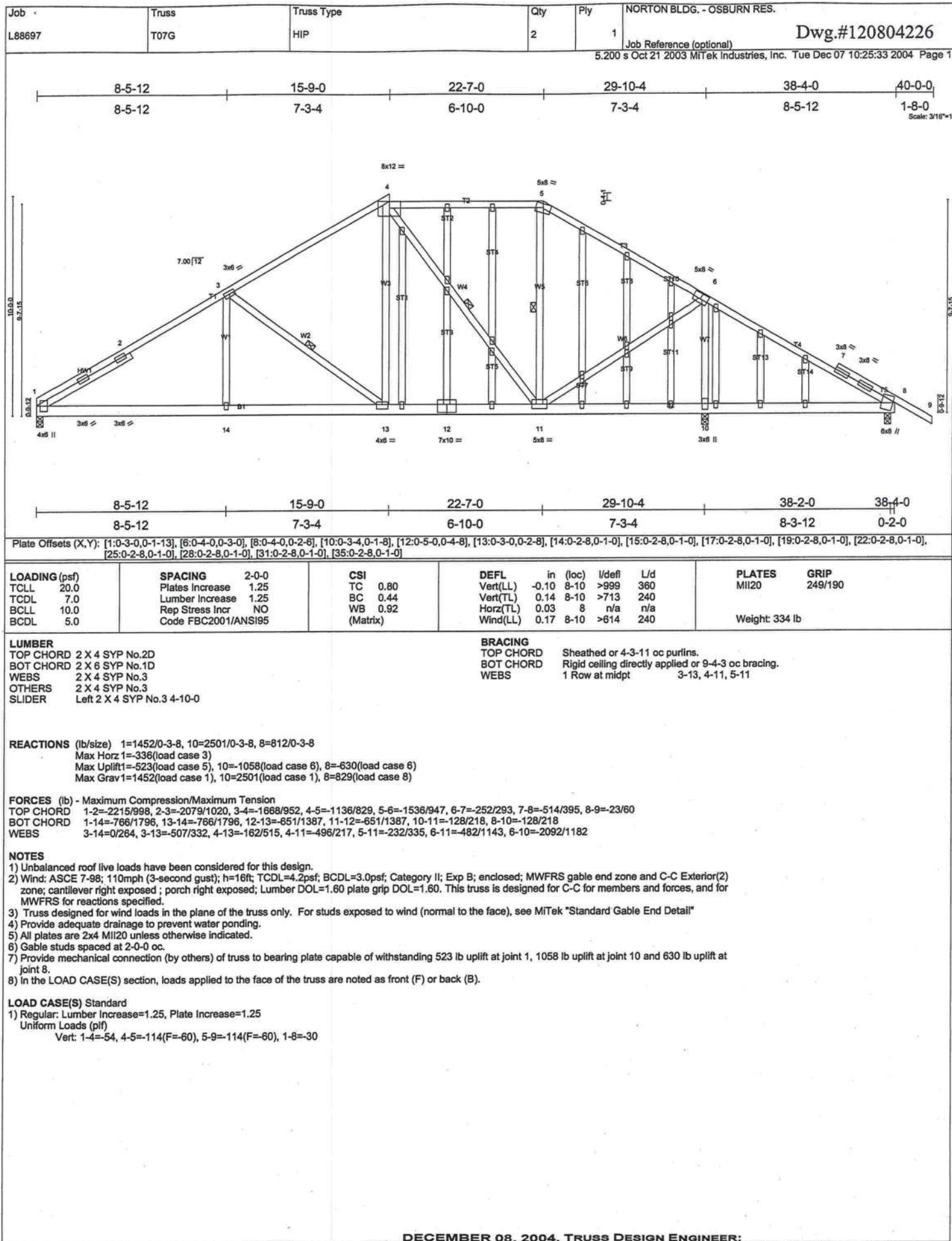
REACTIONS (lb/size) 1=1293/0-3-8, 10=1425/0-3-8, 8=593/0-3-8
Max Horz 1=-348(load case 3)
Max Uplift 1=-413(load case 5), 10=-274(load case 5), 8=-558(load case 6)
Max Grav 1=1293(load case 1), 10=1425(load case 1), 8=612(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1898/756, 2-3=-1770/761, 3-4=-1319/700, 4-5=-840/632, 5-6=-1077/648, 6-7=-386/522, 7-8=-486/495, 8-9=0/25
BOT CHORD 1-14=-544/1529, 13-14=-544/1529, 12-13=-344/1063, 11-12=-344/1063, 10-11=-285/337, 8-10=-285/337
WEBS 3-14=0/251, 3-13=-595/382, 4-13=-187/553, 4-11=-495/240, 5-11=-103/172, 6-11=-235/733, 6-10=-1157/295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 1, 274 lb uplift at joint 10 and 558 lb uplift at joint 8.

LOAD CASE(S) Standard

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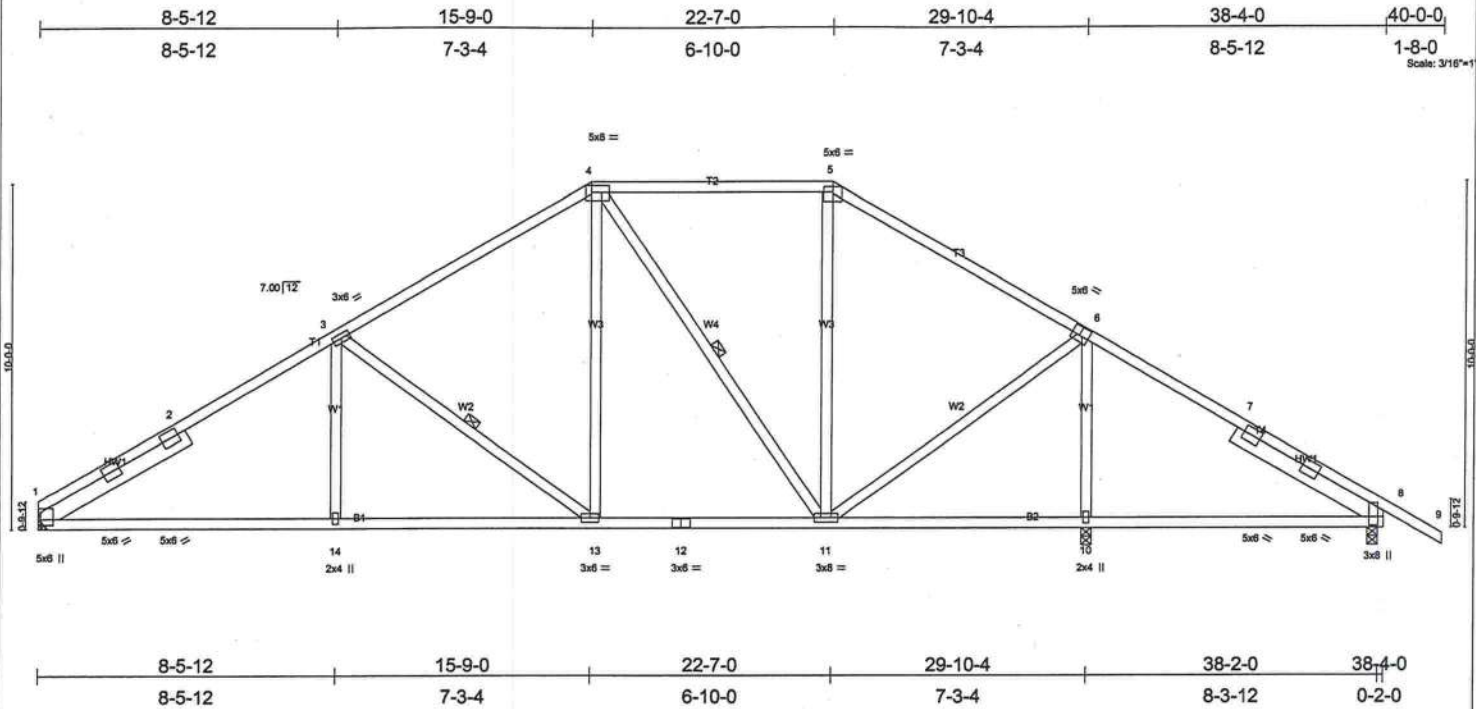


Plate Offsets (X,Y): [1:0-2-0,0-0-1], [4:0-6-0,0-2-4], [5:0-3-0,0-1-12], [6:0-2-12,0-3-0], [8:0-5-3,0-1-13]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES GRIP	
TCLL 20.0		Plates Increase 1.25		TC 0.44		Vert(LL) -0.12 1-14	>999 360	M1120	249/190
TCDL 7.0		Lumber Increase 1.25		BC 0.46		Vert(TL) 0.21 8-10	>487 240		
BCLL 10.0		Rep Stress Incr YES		WB 0.61		Horz(TL) 0.05 8	n/a n/a		
BCDL 5.0		Code FBC2001/ANSI95		(Matrix)		Wind(LL) 0.24 8-10	>430 240	Weight: 234 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
SLIDER Left 2 X 6 SYP No.1D 4-11-0, Right 2 X 6 SYP No.1D 4-11-0

BRACING
TOP CHORD Sheathed or 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.
WEBS 1 Row at midpt 3-13, 4-11

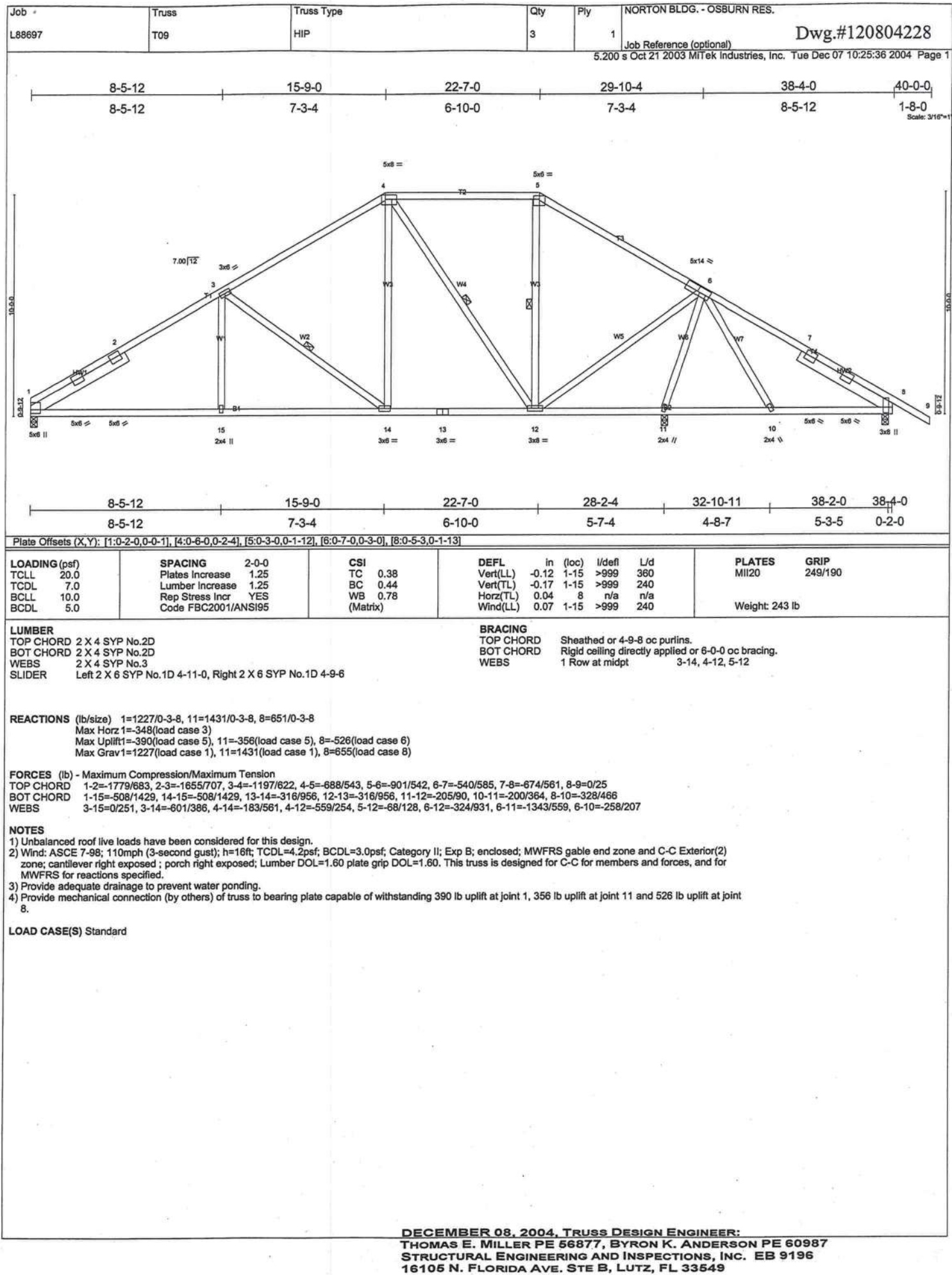
REACTIONS (lb/size) 1=1293/Mechanical, 10=1425/0-3-8, 8=593/0-3-8
Max Horz 1=-348(load case 3)
Max Uplift 1=-413(load case 5), 10=-274(load case 5), 8=-558(load case 6)
Max Grav 1=1293(load case 1), 10=1425(load case 1), 8=612(load case 8)

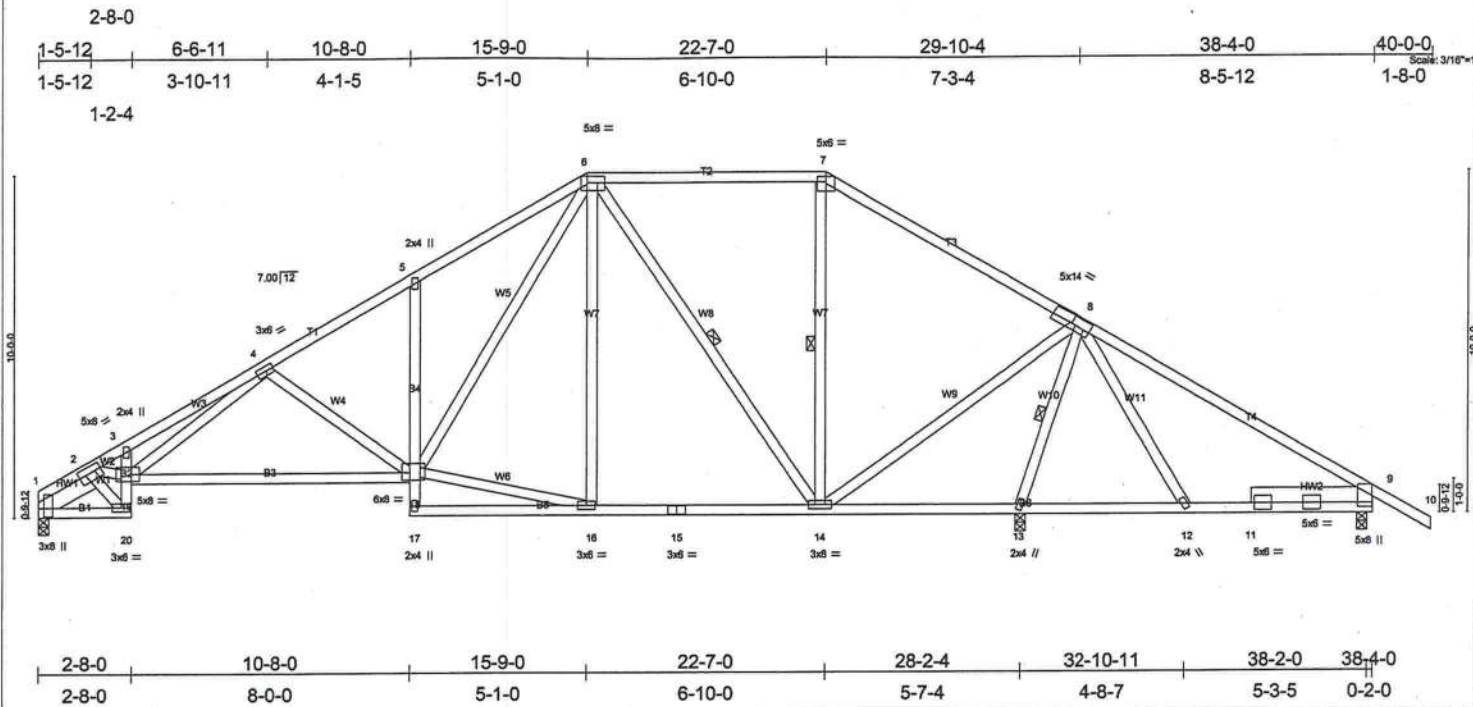
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1898/756, 2-3=-1770/781, 3-4=-1319/700, 4-5=-840/632, 5-6=-1077/648, 6-7=-386/522, 7-8=-486/495, 8-9=0/25
BOT CHORD 1-14=-544/1529, 13-14=-544/1529, 12-13=-344/1063, 11-12=-344/1063, 10-11=-285/337, 8-10=-285/337
WEBS 3-14=0/251, 3-13=-595/382, 4-13=-187/553, 4-11=-495/240, 5-11=-103/172, 6-11=-235/733, 6-10=-1157/295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 1, 274 lb uplift at joint 10 and 558 lb uplift at joint 8.

LOAD CASE(S) Standard

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LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	20.0	Plates Increase	1.25	TC	0.39	in (loc)	I/defl	M120	GRIP
BCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(LL)	-0.21 18-19		249/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.10 13		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Wind(LL)	0.12 18-19		
								Weight: 264 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
SLIDER Left 2 X 6 SYP No.1D 1-8-14, Right 2 X 6 SYP No.1D 3-6-3

BRACING
TOP CHORD Sheathed or 3-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 7-14, 8-13

REACTIONS (lb/size) 1=1086/0-3-8, 13=1963/0-3-8, 9=261/0-3-8
Max Horz 1=348(load case 3)
Max Uplift 1=315(load case 5), 13=636(load case 5), 9=359(load case 6)
Max Grav 1=1086(load case 1), 13=1963(load case 1), 9=369(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1512/534, 2-3=-2665/884, 3-4=-2989/1043, 4-5=-1475/572, 5-6=-1445/702, 6-7=-361/337, 7-8=-527/308, 8-9=-174/349, 9-10=0/25
BOT CHORD 1-20=-465/1049, 19-20=-397/1010, 3-19=-220/175, 18-19=-600/1593, 17-18=0/67, 5-18=-204/249, 16-17=-52/0, 15-16=-269/720, 14-15=-269/720, 13-14=-828/453, 12-13=-343/191,
11-12=-248/109, 9-11=-248/109
WEBS 2-20=-1233/505, 2-19=-780/2104, 4-19=-500/1257, 4-18=-473/309, 16-18=-238/780, 6-18=-480/976, 6-16=-3/82, 6-14=-679/290, 7-14=-180/137, 8-14=-439/1473, 8-13=-1893/899,
8-12=-289/239

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed ; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 1, 636 lb uplift at joint 13 and 359 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

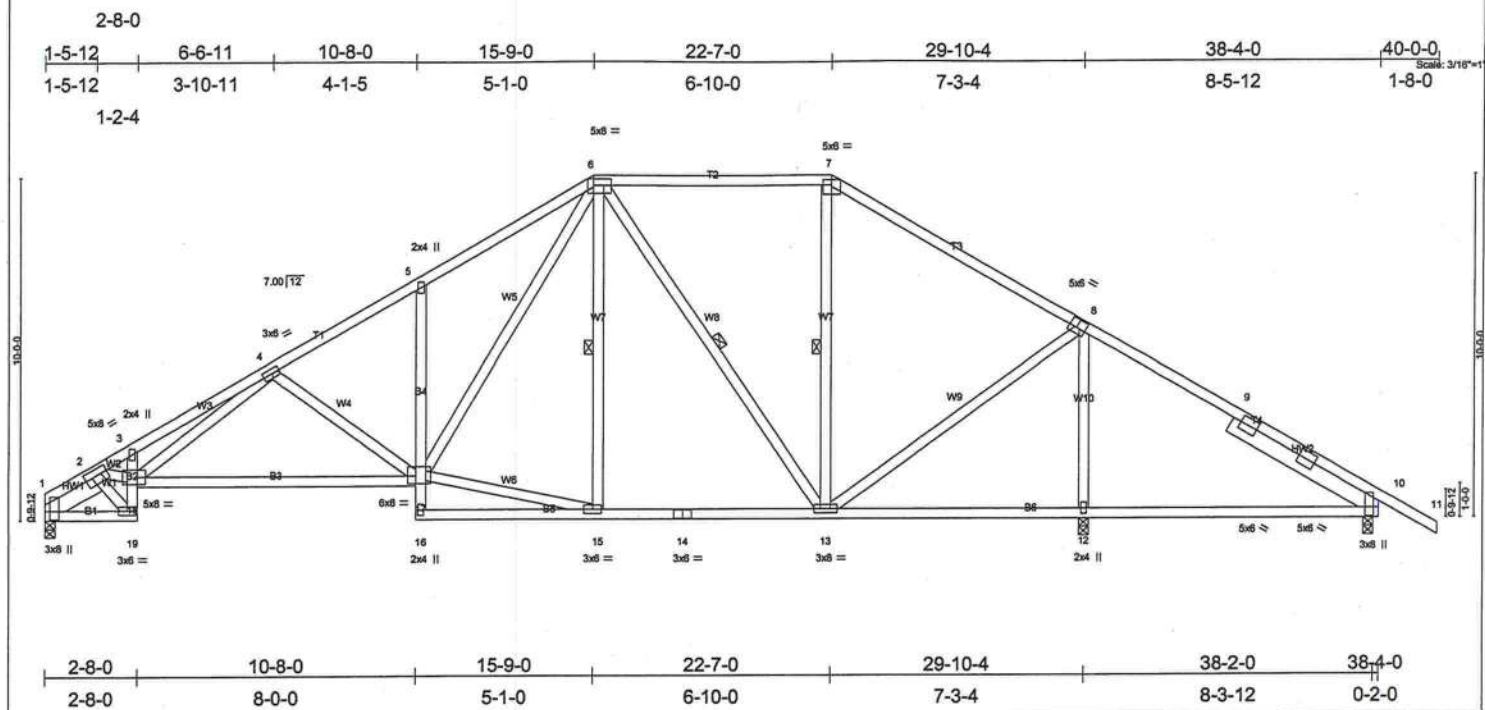


Plate Offsets (X,Y): [1:0-3-0,0-1-13], [2:0-2-4,0-2-4], [4:0-2-8,0-1-8], [6:0-6-0,0-2-4], [7:0-3-0,0-1-12], [8:0-2-12,0-3-0], [10:0-5-3,0-1-13], [17:0-2-12,0-2-12], [18:0-2-12,0-2-8]					
LOADING (psf)	SPACING	2-0-0	CSI	in (loc)	I/defl
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	-0.23 17-18 >999 360
TCCL 7.0	Lumber Increase	1.25	BC 0.52	Vert(TL)	0.21 10-12 >476 240
BCCL 10.0	Rep Stress Incr	YES	WB 0.86	Horz(TL)	0.12 12 n/a n/a
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.24 10-12 >417 240
				PLATES	GRIP
				MII20	249/190
				Weight: 258 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
SLIDER Left 2 X 6 SYP No.1D 1-8-14, Right 2 X 6 SYP No.1D 4-11-0

BRACING

TOP CHORD Sheathed or 3-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-15, 6-13, 7-13

REACTIONS (lb/size) 1=1224/0-3-8, 12=1734/0-3-8, 10=351/0-3-8
Max Horz 1=348(load case 3)
Max Uplift 1=378(load case 5), 12=433(load case 5), 10=523(load case 6)
Max Grav 1=1224(load case 1), 12=1734(load case 1), 10=487(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1715/677, 2-3=-3031/1122, 3-4=-3376/1270, 4-5=-1773/784, 5-6=-1740/911, 6-7=-681/560, 7-8=-897/566, 8-9=-149/481, 9-10=-223/453, 10-11=0/25
BOT CHORD 1-19=-513/1190, 18-19=-427/1134, 3-18=-223/176, 17-18=-678/1865, 16-17=0/70, 5-17=-200/247, 15-16=-37/0, 14-15=-299/944, 13-14=-299/944, 12-13=-302/131, 10-12=-302/131
WEBS 2-19=-1388/542, 2-18=-895/2387, 4-18=-537/1339, 4-17=-492/318, 15-17=-270/993, 6-17=-506/1036, 6-15=-12/82, 6-13=-564/275, 7-13=-47/80, 8-13=-341/987, 8-12=-1460/432

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 1, 433 lb uplift at joint 12 and 523 lb uplift at joint 10.

LOAD CASE(S) Standard

DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

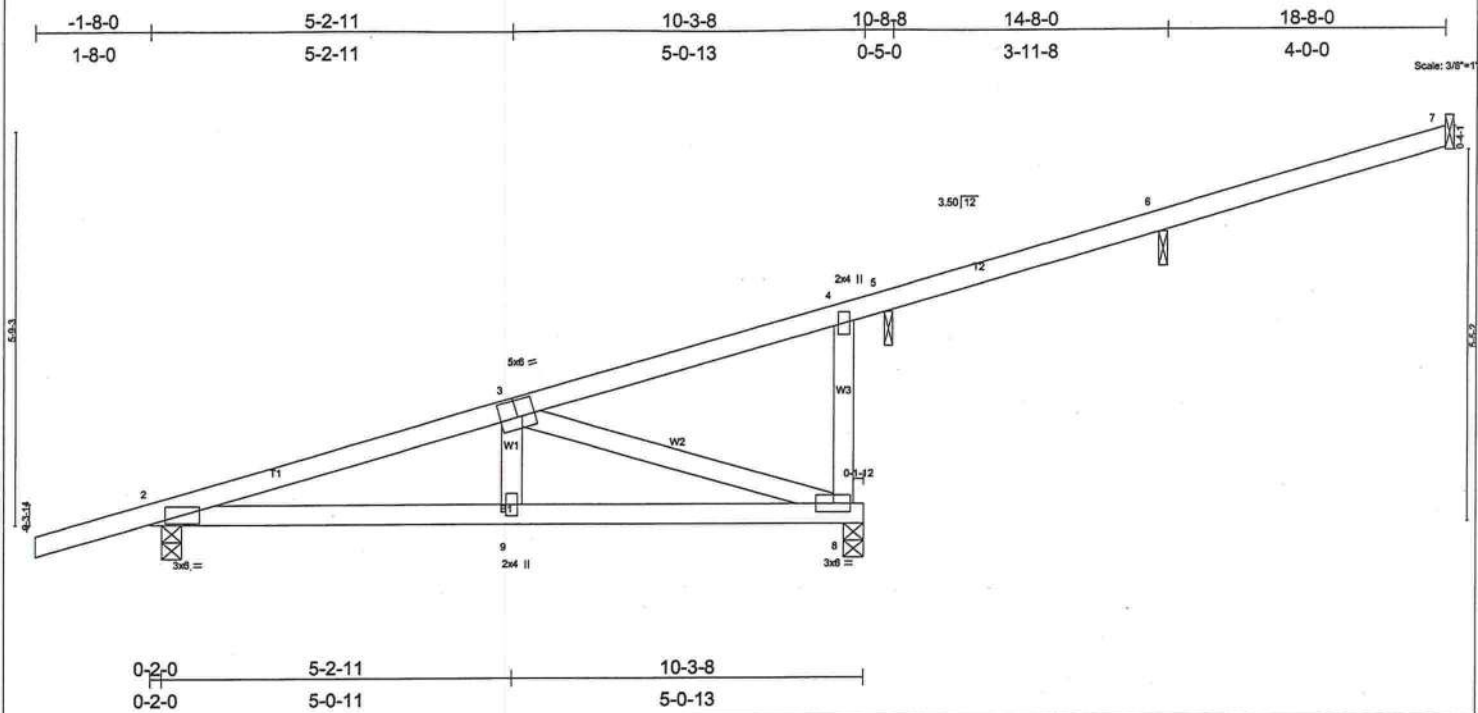


Plate Offsets (X,Y): [3:0-3:0,0-3:0]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.51	Vert(LL)	-0.03	2-9	>999	360	MII20
TCDL 7.0	Lumber Increase	1.25	BC 0.76	Vert(TL)	0.07	2-9	>999	240	GRIP
BCLL 10.0	Rep Stress Incr	YES	WB 0.32	Horz(TL)	-0.02	8	n/a	n/a	249/190
BCDL 5.0	Code FBC2001/ANSI95		(Matrix)	Wind(LL)	0.08	2-9	>999	240	Weight: 60 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 *Except*
W3 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-12 oc bracing.

REACTIONS (lb/size) 7=81/Mechanical, 8=559/0-3-8, 2=512/0-3-8, 5=-31/0-1-8, 6=269/0-1-8
Max Horz 2=281(load case 3)
Max Uplift 7=-63(load case 3), 8=401(load case 3), 2=-331(load case 3), 5=-31(load case 1), 6=-207(load case 3)
Max Grav 7=81(load case 1), 8=559(load case 1), 2=512(load case 1), 5=16(load case 3), 6=269(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-770/907, 3-4=-140/12, 4-5=-91/28, 5-6=-93/37, 6-7=-38/17, 4-8=-268/307
BOT CHORD 2-9=-1032/699, 8-9=-1024/695
WEBS 3-9=-288/158, 3-8=-707/1037

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2)
-1-8-0 to 18-7-4 zone; cantilever left exposed; 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 at joint(s) 5, 6.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 7, 401 lb uplift at joint 8, 331 lb uplift at joint 2, 31 lb uplift at joint 5 and 207 lb uplift at joint 6.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 6.

LOAD CASE(S) Standard

DECEMBER 08, 2004. TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

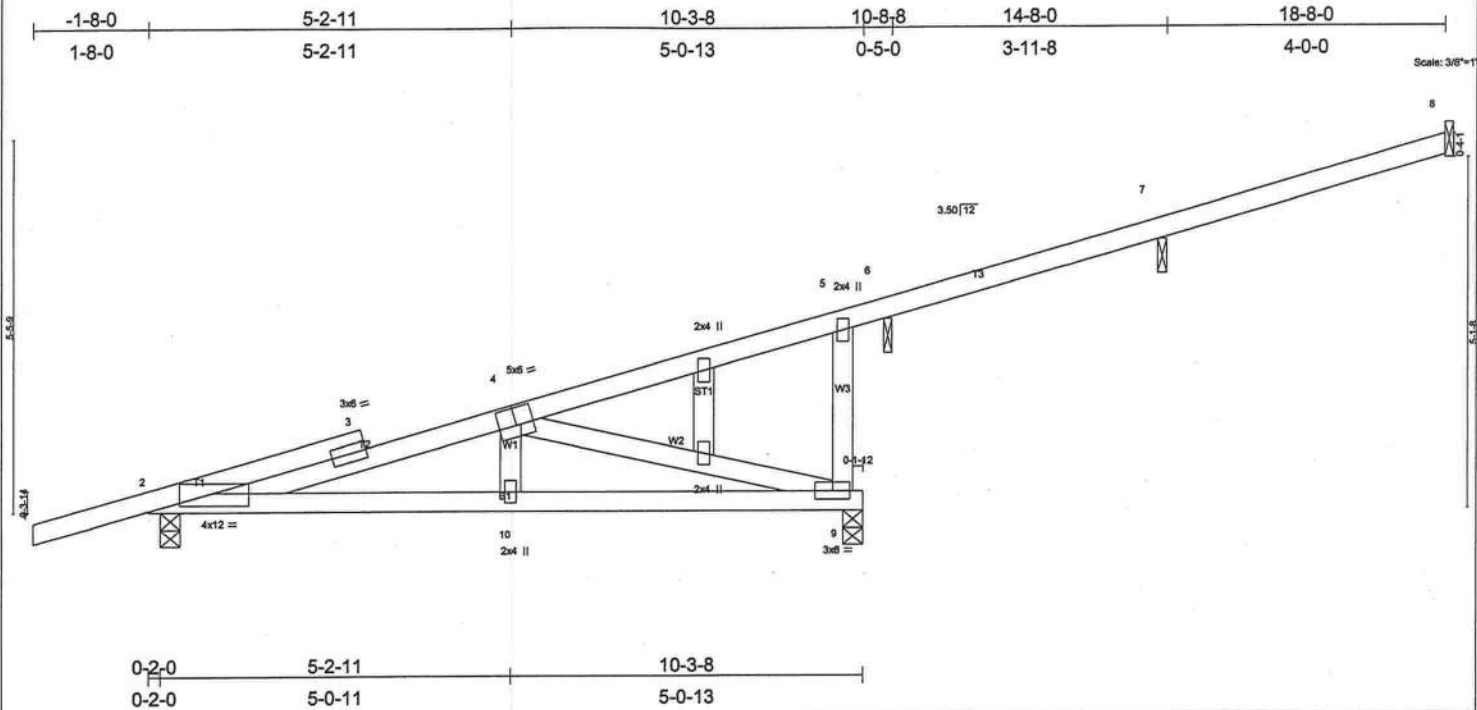


Plate Offsets (X,Y): [2:0-5-12,0-2-4], [4:0-3-0,0-3-0]									
LOADING (psf)		SPACING		CSI		DEFL		PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	in (loc)	l/defl	M120	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.09 2-10 >999	Weight: 64 lb	
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.02 9 n/a n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)		Wind(LL)	0.08 2-10 >999 240		

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2D	TOP CHORD	Sheathed or 4-9-4 oc purlins, except end verticals.
BOT CHORD	2 X 4 SYP No.2D	BOT CHORD	Rigid ceiling directly applied or 6-7-9 oc bracing.
WEBS	2 X 4 SYP No.3 *Except*		
	W3 2 X 4 SYP No.2D		
OTHERS	2 X 4 SYP No.3		

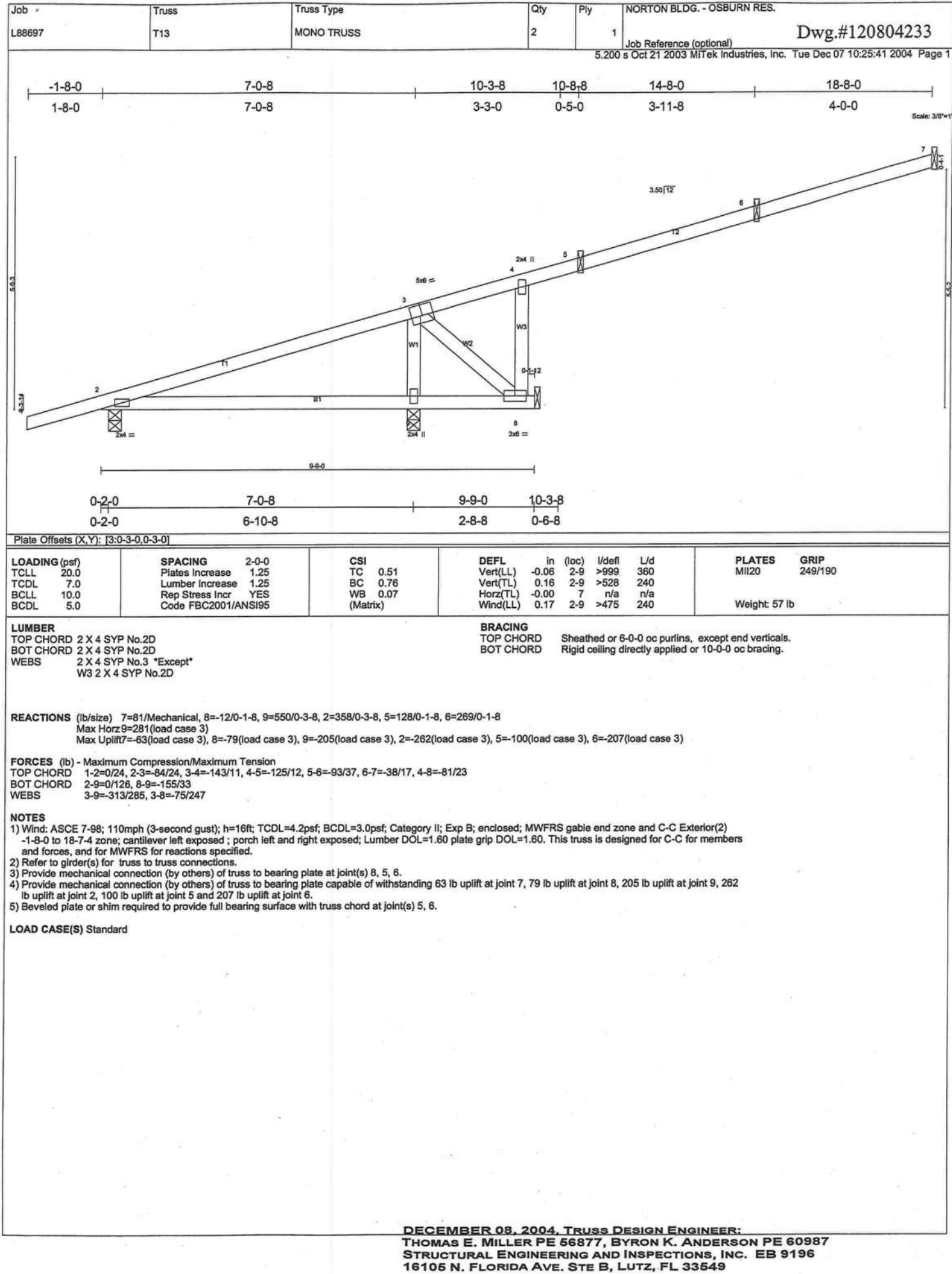
REACTIONS (lb/size) 8=172/Mechanical, 9=1072/0-3-8, 2=914/0-3-8, 6=-118/0-1-8, 7=567/0-1-8
Max Horz 2=267(load case 3)
Max Uplift 8=-124(load case 3), 9=-741(load case 3), 2=-610(load case 3), 6=-118(load case 1), 7=-409(load case 3)
Max Grav 8=172(load case 1), 9=1072(load case 1), 2=914(load case 1), 6=75(load case 3), 7=567(load case 1)

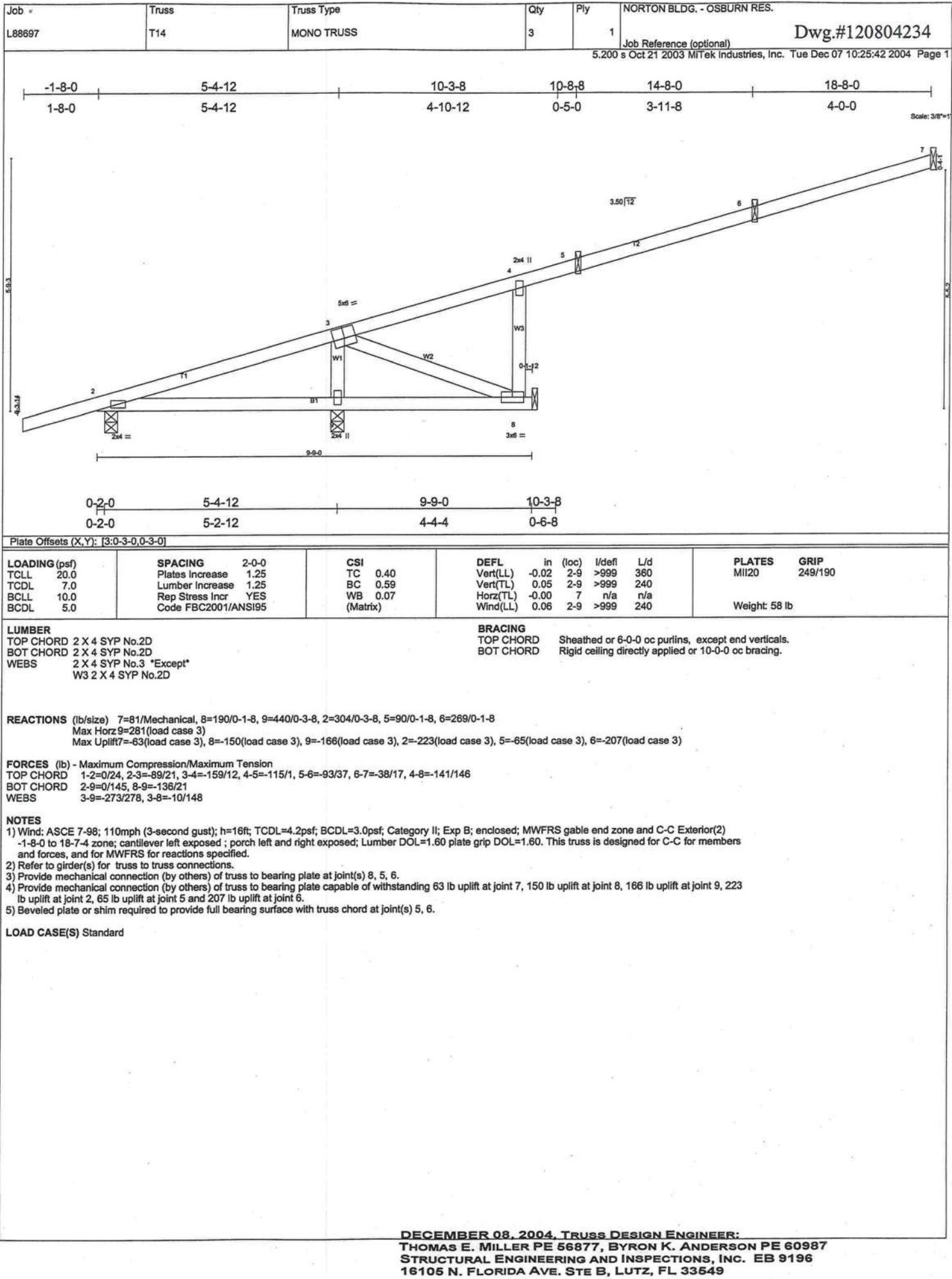
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-14/51, 2-3=-1506/897, 3-4=-1429/877, 4-5=-149/42, 5-6=-101/19, 6-7=-113/79, 7-8=-80/35, 5-9=-627/444
BOT CHORD 2-10=-947/1404, 9-10=-944/1399
WEBS 4-10=-268/140, 4-9=-1413/950

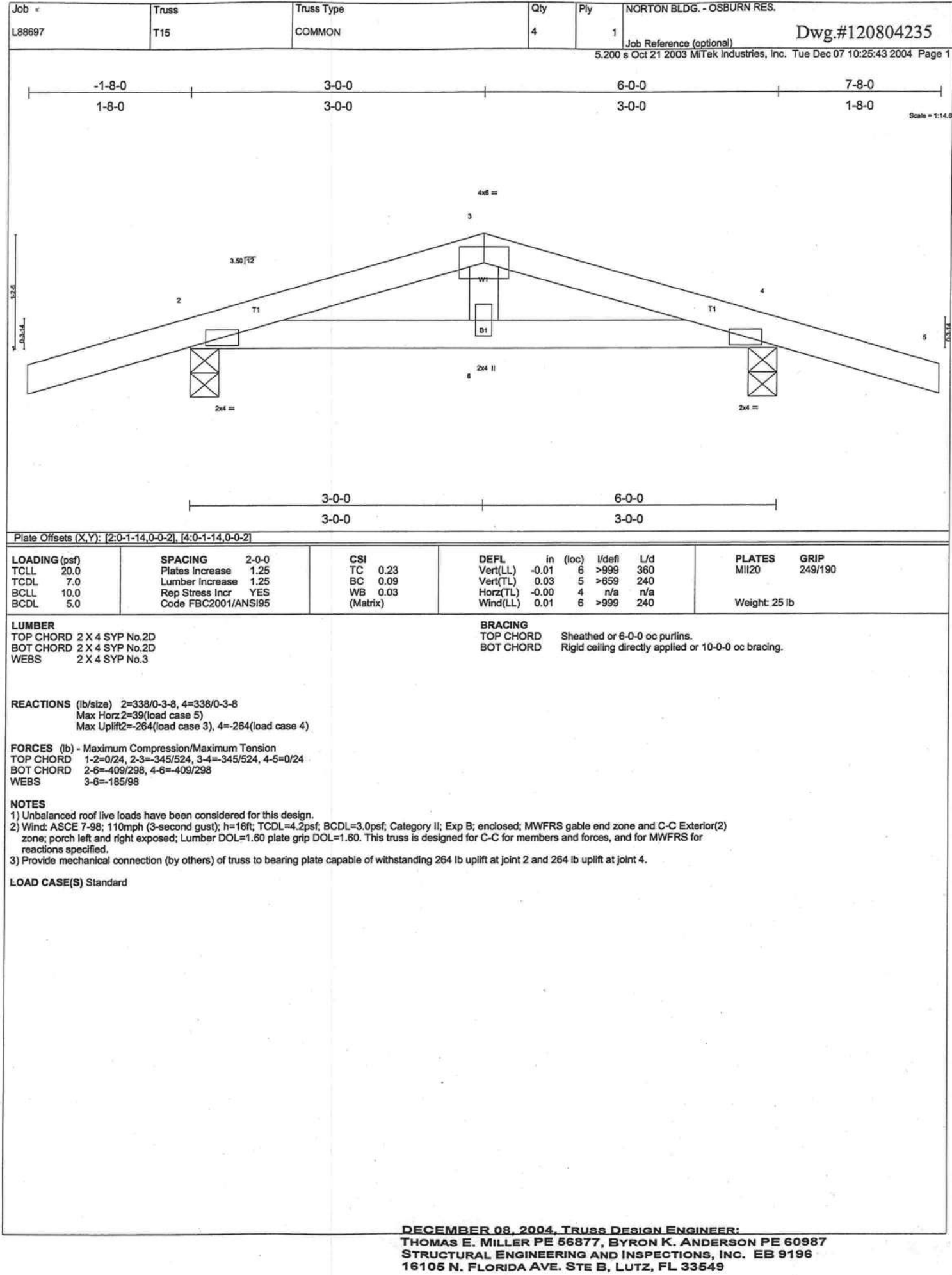
- NOTES**
- 1) Wind: ASCE 7-98; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-8-0 to 18-7-4 zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 2) 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"
 - 3) Gable studs spaced at 2-0-0 oc.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 7.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 8, 741 lb uplift at joint 9, 610 lb uplift at joint 2, 118 lb uplift at joint 6 and 409 lb uplift at joint 7.
 - 7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 7.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

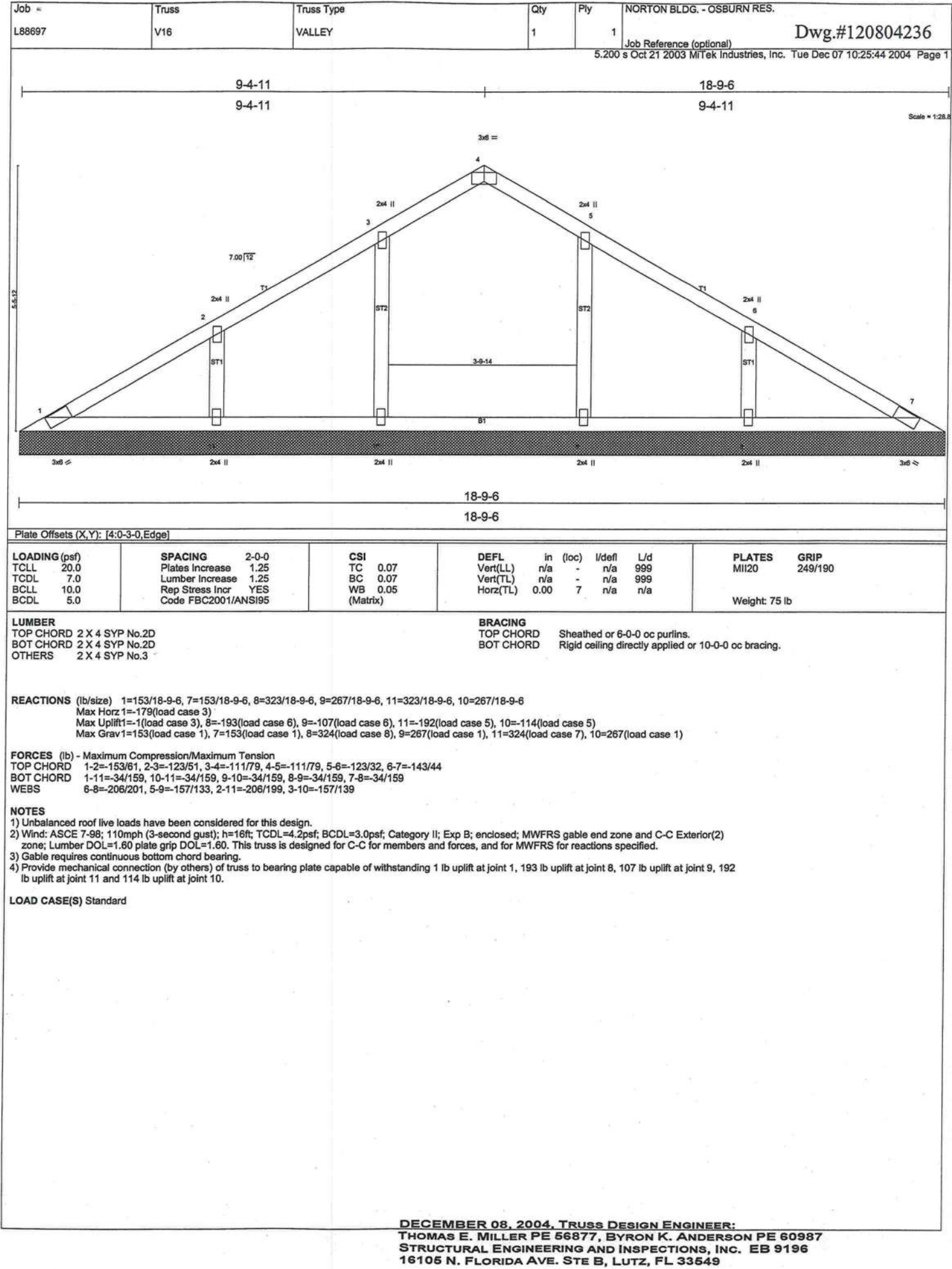
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-114(F=-60), 5-8=-114(F=-60), 2-9=-30

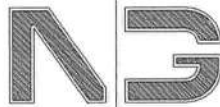
DECEMBER 08, 2004, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549











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

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

03 NOVEMBER 2004

BUILDING OFFICIAL
COLUMBIA COUNTY BUILDING DEPARTMENT
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: OSBURN RESIDENCE
PRN: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CORRECTIONS AND CHANGES TO
THE CONSTRUCTION DOCUMENTS:

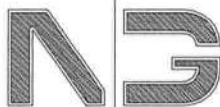
ALL RECEPTACLES IN THE KITCHEN AND THE MASTER BATH SHALL BE
GFI PROTECTED, EITHER BY CIRCUIT OR GFI DEVICES.

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH
THE 2002 NATIONAL ELECTRICAL CODE.

GLASS AT BATHROOM WINDOWS SHALL BE TEPERED, IN ACCORDANCE
WITH 2001 FBC 2405.2.

SHOULD YOU HAVE ANY QUESTIONS WITH THE ABOVE, PLEASE CALL FOR
ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005



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

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

03 NOVEMBER 2004

BUILDING OFFICIAL
COLUMBIA COUNTY BUILDING DEPARTMENT
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: OSBURN RESIDENCE
PRN: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CORRECTIONS AND CHANGES TO
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ALL RECEPTACLES IN THE KITCHEN AND THE MASTER BATH SHALL BE
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WITH 2001 FBC 2405.2.

SHOULD YOU HAVE ANY QUESTIONS WITH THE ABOVE, PLEASE CALL FOR
ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

BEARING HEIGHT SCHEDULE

9'-0"

NOTES:

- 1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL VIBS FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2' OC MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SAMPSON H256 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SAMPSON TH422 UNLESS OTHERWISE NOTED.
- 8) BEARING ADJUSTABLE (BAX) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Expend Entry Ref: _____

Approved by: _____ Date: _____



PHONE: 904-437-3349 FAX: 904-437-3094

Bunnell

Jacksonville

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

Lake City

PHONE: 904-755-6844 FAX: 904-755-7973

Sanford

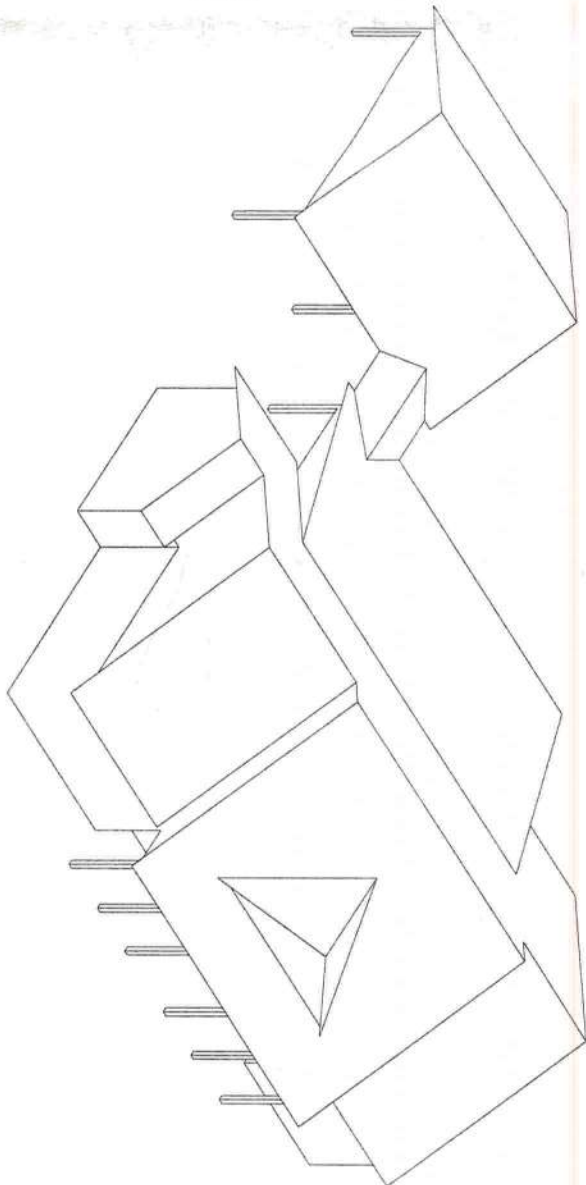
PHONE: 407-322-0054 FAX: 407-322-9553

BUILDERS
NORTON BLDG.

LEAD ADDRESS
OSBURN RES.

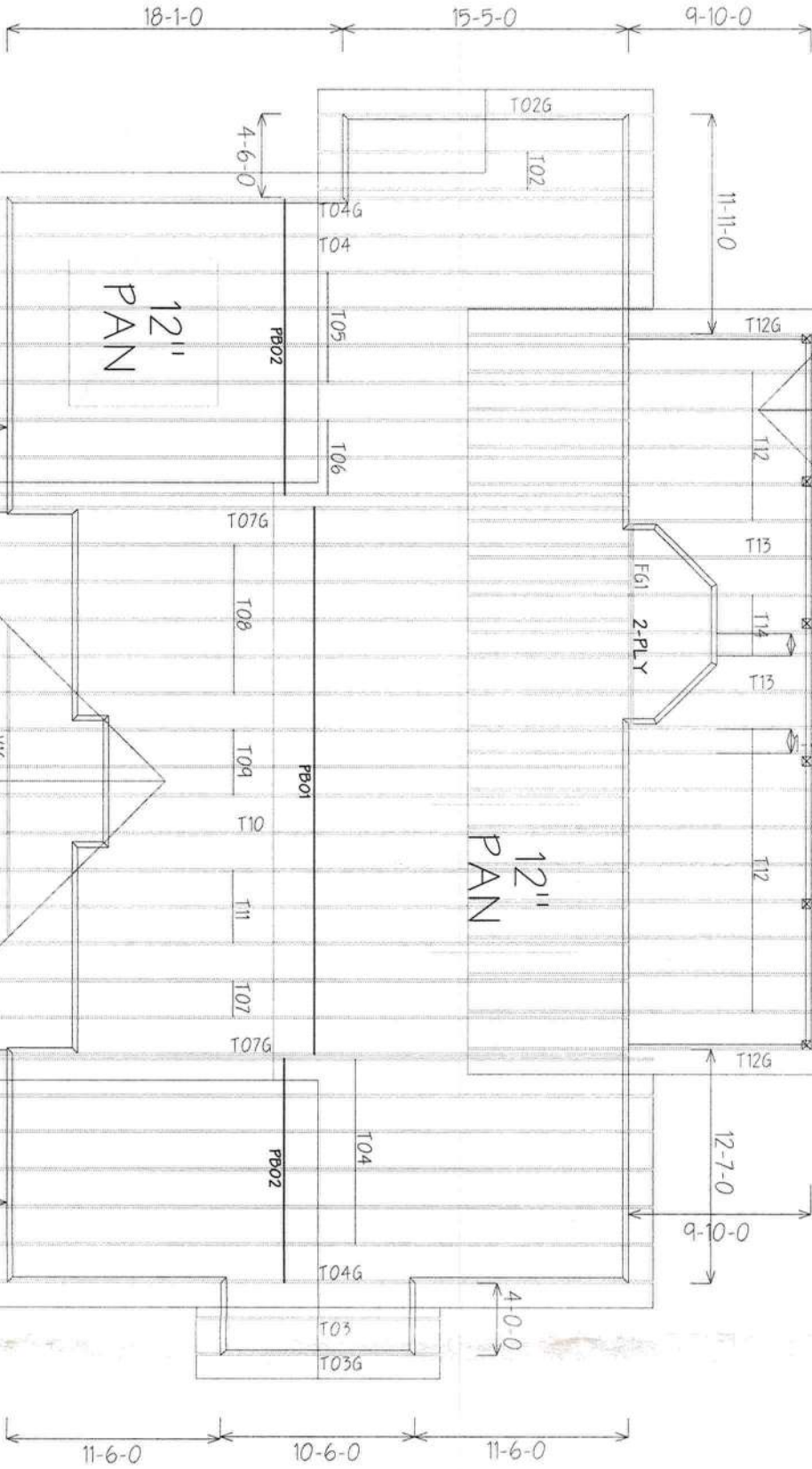
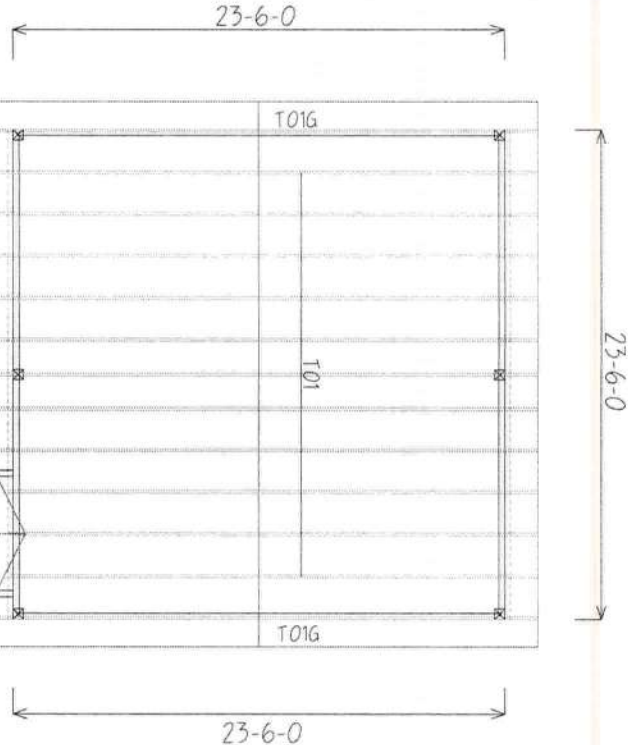
WORK
CUSTOM SCALE: NTS

DATE: 9-29-04 DRAWN BY: K.L.H. CHECKED BY: L88697



8/12 - 4/12 PITCH
1'4" O/H

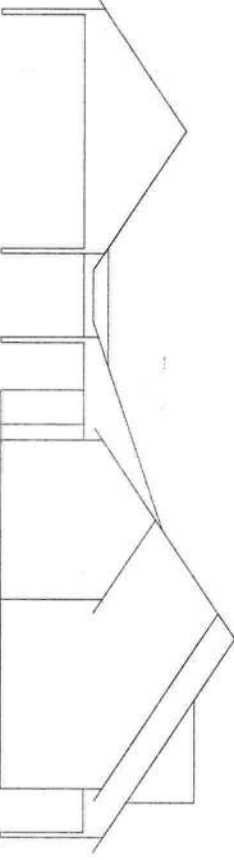
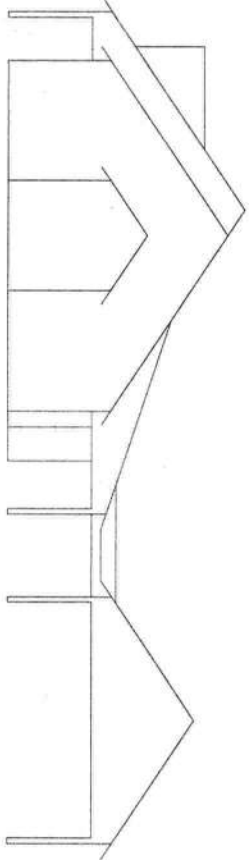
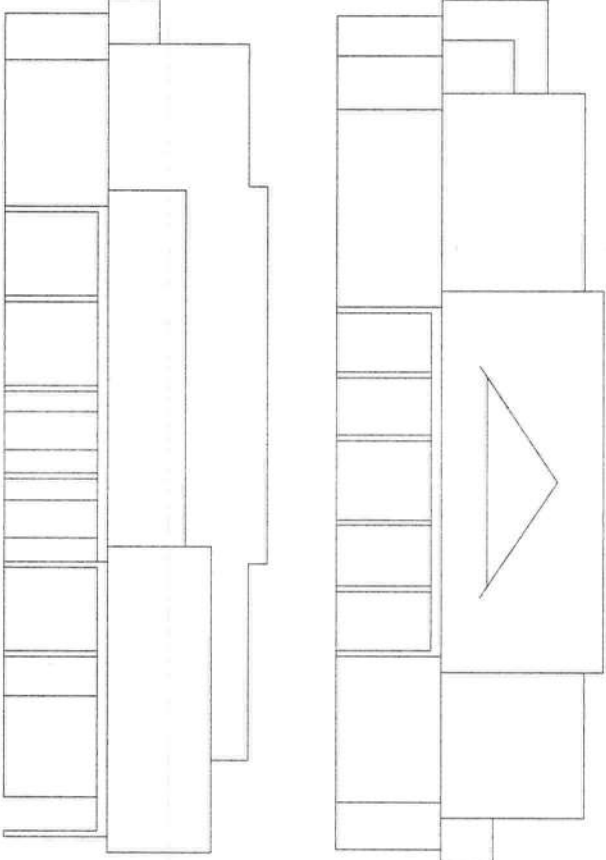
38'-8-0"



NO DETAILS FOR
ATTIC ROOM
TO BE VERIFIED

12" PAN

12" PAN



0,0	
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1) REFER TO HIB 91 RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACINGS REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

- (1) ALL TROUSESS (INCLUDING TROUSERS AND/OR VALLEY FRAMING) MUST BE COMPLETELY DRESSED OR REFER TO DETAIL VIEWS FOR ALTERNATE DRESSING REQUIREMENTS.
 - (2) ALL VALLEYS ARE TO BE CONVENTIONALLY FINISHED BY BUILDER.
 - (3) ALL TROUSERS ARE TO BE DESIGNED FOR 2" O.C. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
 - (4) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
 - (5) 5/8"X2 TROUSERS MUST BE INSTALLED WITH THE TOP DRING UP.
 - (6) ALL ROOF TROUSERS HANGERS TO BE SHOWN H526, UNLESS OTHERWISE NOTED. ALL FLOOR TROUSERS HANGERS TO BE SHOWN H5A22 UNLESS OTHERWISE NOTED.
- BEANZ/ADVERTISED. (40X) 10 BE
FINISHED BY BUILDER.

THIS LAYOUT IS THE SOLE SOURCE FOR INFORMATION OF ISSUES AND WOULD ALL PREVIOUS ARCHITECTURAL OR OTHER FORMS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY ISSUES WILL BE BUILT. I HEREBY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT

Approved by: _____ Date: _____



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

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

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

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

NORTON BLDG.

OSBURN RES.

MODEL:	CUSTOM	REVISION:	
SCALE:	NTS		

DATE:	9-29-04	DIAGNOSTIC:	K.L.H.	4001	L88697
-------	---------	-------------	--------	------	--------

Notice of Prevention for Subterranean Termites (As required by Florida Building Code (FBC) 104.2.6)



A locally owned
company serving
you since 1972

Live Oak
PEST CONTROL, INC.

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

22458

Osborn, 744 N.W. Moore Farm Rd. Lake City

Address of Treatment or Lot/Block of Treatment

Date: 3/30/05 Time: 10:00

Product Used: Prevail Chemical used (active ingredient): Cypermethrin

Percent Concentration: 25% Number of gallons applied: 89

Area treated (square feet): 340 Linear feet treated: 340

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area): ~~Horizontal~~ Vertical (Final grade) Brick Veneer

As per 104.2.6 - If soil chemical barrier method for Subterranean termite prevention is used, final exterior treatment shall be completed prior to final building approval.
If this notice is for the final exterior treatment, initial and date this line: 3/30/05

Notice of Prevention for Subterranean Termites (As required by Florida Building Code (FBC) 104.2.6)

22458



LIVE OAK PEST CONTROL, INC.

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

Osborn, 744 N.W. Moore Farm Rd. Lake City

Address of Treatment or Lot/Block of Treatment

Date: 11/29/04 Time: 1:45

Product Used: Prevail Chemical used (active ingredient): Cypermethrin

Percent Concentration: 125% Number of gallons applied: 579

Area treated (square feet): 3413 Linear feet treated: 433

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area): Horizontal, Vertical

As per 104.2.6 - If soil chemical barrier method for Subterranean termite prevention is used, final exterior treatment shall be completed prior to final building approval.
If this notice is for the final exterior treatment, initial and date this line: _____