

Columbia County Building Permit Application

Revised 8-23-04

For Office Use Only Application # 0605-10 Date Received 5/3 By SW Permit # 24576
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OKJTH Date 5-11-06
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments John H. White

Applicant's Name John Norris Phone 758-3663
 Address 351 NW Corwin Gl
 Owner's Name Image Development Group LLC Phone 352-538-9697
 911 Address 237 SW Greenwood Ter. Ft. White
 Contractor's Name John Norris Phone 758-3663
 Address 351 NW Corwin Gl
 Fee Simple Owner Name & Address Image Development Group
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Bill Freeman
 Mortgage Lender Name & Address Capital City Bank
 Circle the correct power company - FL Power & Light - City Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 04056-105 Estimated Cost of Construction 125,000
 Subdivision Name Thornwood Lot 5 Block _____ Unit _____ Phase _____
 Driving Directions Take SR 47 South to Ft. White turn left on SR 27 go 1/4 mile turn left on CR 18 go 1/2 mile turn on Greenwood Lane
 Type of Construction New Home Number of Existing Dwellings on Property 0
 Total Acreage 1.25 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an existing Driveway
 Actual Distance of Structure from Property Lines - Front 50 Side 40 Side 40 Rear 250
 Total Building Height 16'8" Number of Stories 1 Heated Floor Area 1473 Roof Pitch 6/12
PORCHES 314 GARAGE 458 TOTAL 2245

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.

OWNER'S 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.

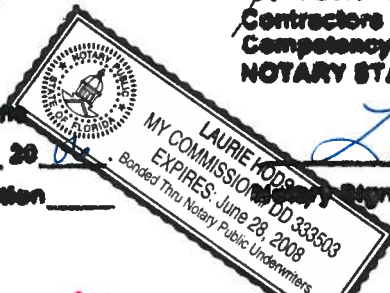
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

John Norris
 Owner, Lender or Agent (Including Contractor)

John Norris
 Contractor Signature
 Contractors License Number RG006691
 Competency Card Number _____
 NOTARY STAMPEAL

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 3 day of May 2006
 Personally known ✓ or Produced Identification _____

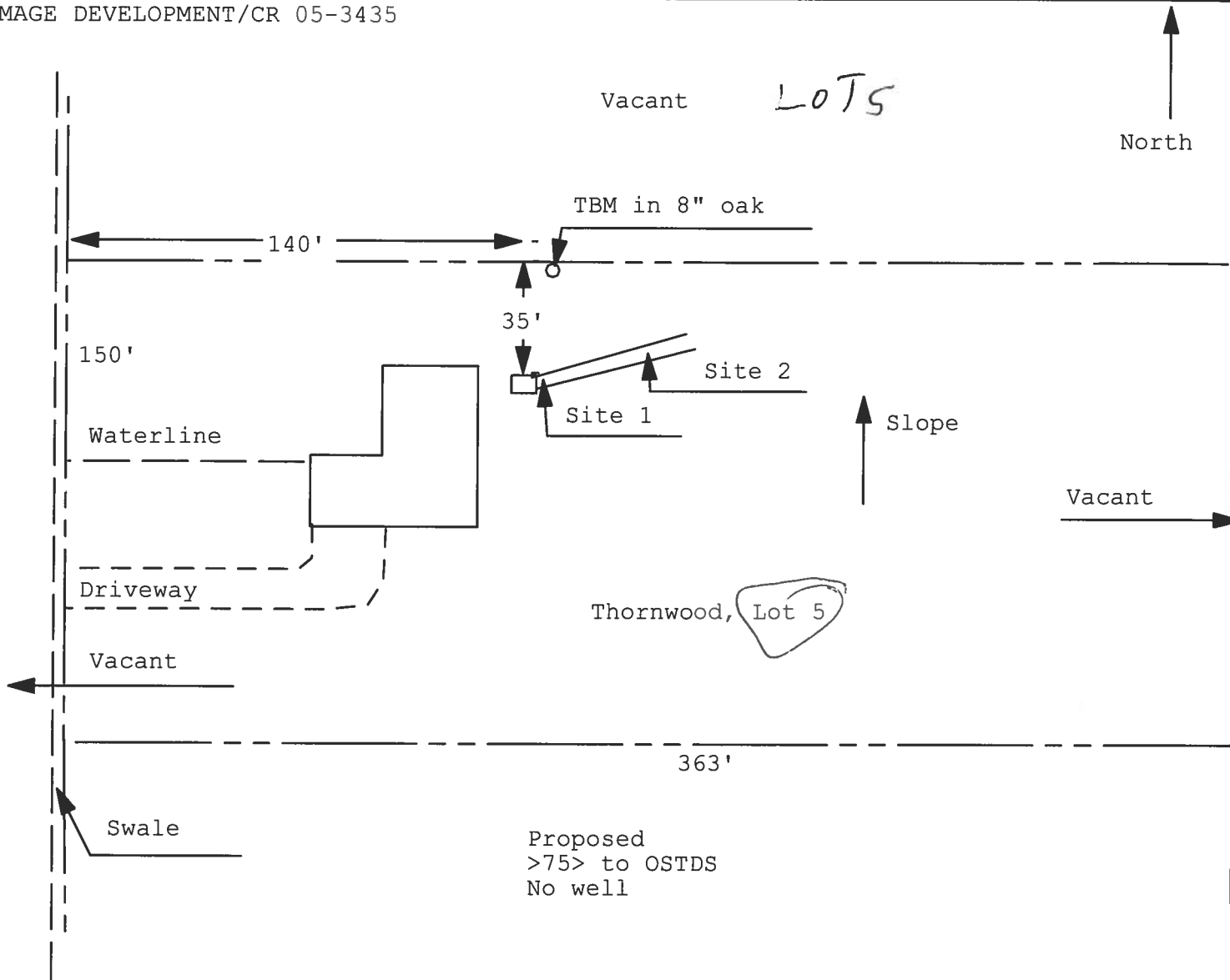


- JW - ADVISED 5-12-06 - spoke with John

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 06-0447N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

IMAGE DEVELOPMENT/CR 05-3435



Site Plan Submitted By Paul Lloyd Date 3/22/06
Plan Approved ✓ Not Approved _____ Date 5/8/06
By Mr. J. H. Columbia CPHU

Notes: _____

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345
Email: townofftwhite@alltel.com • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort
White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Image Development Group

ADDRESS: P.O. Box 305 Newberry, FL 32669

PROPERTY DESCRIPTION: Lot#5 Thornwood Subdivision
(parcel number if possible) parcel#4056-105

DEVELOPMENT: 1.25 Acres Single Family Dwelling

You are hereby authorized to issue the appropriate building permits.

03/17/2006
DATE


LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
John Gloskowski
497-3999

District #4
Demetric Jackson
497-2078

Mayor
Truett George
497-4741

@ CAM112M01 S CamaUSA Appraisal System
5/15/2006 13:53 Legal Description Maintenance
Year T Property Sel
2006 R 34-6S-16-04056-105

	Columbia	Cour
40500	Land	001
	AG	000
	Bldg	000
	Xfea	000
40500	TOTAL	

IMAGE DEVELOPMENT GROUP LLC

1	LOT 5 THORNWOOD S/D	WD 1030-2804	2
3			4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 12/03/2004 LARRY

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Thornwood Lot 5**
Address:
City, State: ,
Owner: **John Norris**
Climate Zone: **South**

Builder:
Permitting Office: *2000-738*
Permit Number: *24514*
Jurisdiction Number: *221000*

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 24.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 10.00	___
4. Number of Bedrooms	3	___	b. N/A		___
5. Is this a worst case?	Yes	___	c. N/A		___
6. Conditioned floor area (ft ²)	1476 ft ²	___	13. Heating systems		
7. Glass area & type	Single Pane Double Pane	___	a. Electric Heat Pump	Cap: 24.0 kBtu/hr	___
a. Clear glass, default U-factor	0.0 ft ² 145.0 ft ²	___		HSPF: 7.00	___
b. Default tint	0.0 ft ² 0.0 ft ²	___	b. N/A		___
c. Labeled U or SHGC	0.0 ft ² 0.0 ft ²	___	c. N/A		___
8. Floor types		___	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0, 210.0(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. Frame, Wood, Exterior	R=13.0, 1680.0 ft ²	___	(HR-Heat recovery, Solar		___
b. N/A		___	DHP-Dedicated heat pump)		___
c. N/A		___	15. HVAC credits	MZ-C, PT, CF.	___
d. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
e. N/A		___	HF-Whole house fan,		___
10. Ceiling types		___	PT-Programmable Thermostat,		___
a. Under Attic	R=30.0, 1612.6 ft ²	___	MZ-C-Multizone cooling,		___
b. N/A		___	MZ-H-Multizone heating)		___
c. N/A		___			___
11. Ducts		___			___
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 67.0 ft	___			___
b. N/A		___			___

Glass/Floor Area: 0.10

Total as-built points: 20149
Total base points: 25528

PASS

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

PREPARED BY: *William H. Fuen*
DATE: *5/11/06*

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

OWNER/AGENT: _____
DATE: _____

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

BUILDING OFFICIAL: _____
DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Overhang Ornt Len Hgt Area X SPM X SOF = Points Type/SC
.18 1476.0 32.50 8634.6	Double, Clear W 1.5 6.0 15.0 61.59 0.92 848.1 Double, Clear W 1.5 4.0 9.0 61.59 0.83 460.0 Double, Clear W 1.5 6.0 14.0 61.59 0.92 791.6 Double, Clear E 1.5 6.0 45.0 68.60 0.92 2832.2 Double, Clear E 1.5 6.0 50.0 68.60 0.92 3146.9 Double, Clear E 1.5 3.0 12.0 68.60 0.74 609.2 As-Built Total: 145.0 8688.0
WALL TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Adjacent 0.0 0.00 0.0 Exterior 1680.0 2.70 4536.0 Base Total: 1680.0 4536.0	Frame, Wood, Exterior 13.0 1680.0 2.40 4032.0 As-Built Total: 1680.0 4032.0
DOOR TYPES Area X BSPM = Points	Type Area X SPM = Points
Adjacent 0.0 0.00 0.0 Exterior 58.5 6.40 374.3 Base Total: 58.5 374.3	Exterior Insulated 40.8 6.40 261.1 Exterior Insulated 17.7 6.40 113.2 As-Built Total: 58.5 374.3
CEILING TYPES Area X BSPM = Points	Type R-Value Area X SPM X SCM = Points
Under Attic 1466.0 2.80 4104.8 Base Total: 1466.0 4104.8	Under Attic 30.0 1612.6 2.77 X 1.00 4466.9 As-Built Total: 1612.6 4466.9
FLOOR TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Slab 210.0(p) -20.0 -4200.0 Raised 0.0 0.00 0.0 Base Total: -4200.0	Slab-On-Grade Edge Insulation 0.0 210.0(p) -20.00 -4200.0 As-Built Total: 210.0 -4200.0
INFILTRATION Area X BSPM = Points	Area X SPM = Points
1476.0 18.79 27734.0	1476.0 18.79 27734.0

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

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points:		41183.7			Summer As-Built Points:				41095.2						
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
41183.7		0.4266		17569.0	41095.2		1.000		(1.000 x 1.165 x 0.90)		0.341		0.857		12597.5
					41095.2		1.00		1.048		0.341		0.857		12597.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	1476.0	2.36	627.0	Double, Clear	W	1.5	6.0	15.0	3.98	1.00	59.6
				Double, Clear	W	1.5	4.0	9.0	3.98	1.00	35.8
				Double, Clear	W	1.5	6.0	14.0	3.98	1.00	55.6
				Double, Clear	E	1.5	6.0	45.0	3.30	1.02	151.6
				Double, Clear	E	1.5	6.0	50.0	3.30	1.02	168.5
				Double, Clear	E	1.5	3.0	12.0	3.30	1.05	41.5
				As-Built Total:			145.0			512.6	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1680.0	0.60	1008.0	
Exterior	1680.0	0.60	1008.0								
Base Total: 1680.0 1008.0				As-Built Total:			1680.0			1008.0	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	1.80	73.4	
Exterior	58.5	1.80	105.3	Exterior Insulated				17.7	1.80	31.8	
Base Total: 58.5 105.3				As-Built Total:			58.5			105.3	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1466.0	0.10	146.6	Under Attic	30.0			1612.6	0.10 X 1.00	161.3	
Base Total: 1466.0 146.6				As-Built Total:			1612.6			161.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	210.0(p)	-2.1	-441.0	Slab-On-Grade Edge Insulation	0.0			210.0(p)	-2.10	-441.0	
Raised	0.0	0.00	0.0								
Base Total: -441.0				As-Built Total:			210.0			-441.0	
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
1476.0 -0.06 -88.6							1476.0 -0.06 -88.6				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		1357.3		Winter As-Built Points:						1257.6	
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	
1357.3		0.6274	851.6	1257.6 1257.6	1.000 1.00	(1.000 x 1.137 x 0.91) 1.035	0.487 0.487		0.950 0.950	602.2 602.2	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank	EF	Number of	X	Tank	X
Number of		Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										Credit = Total
										Multiplier
3		2369.00		7107.0	50.0	0.90	3		1.00	2316.36
					As-Built Total:					6949.1

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
17569		852		7107		25528	12598		602
									6949
									20149

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* = 87.1

The higher the score, the more efficient the home.

John Norris, , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1476 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 145.0 ft ²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 7.00
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=0.0, 210.0(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. Frame, Wood, Exterior	R=13.0, 1680.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	MZ-C, PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1612.6 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 67.0 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 EnergyStarTM 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 888/368-8800. Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

John Norris

Project Title:
Thornwood Lot 5

Code Only
Professional Version
Climate: South

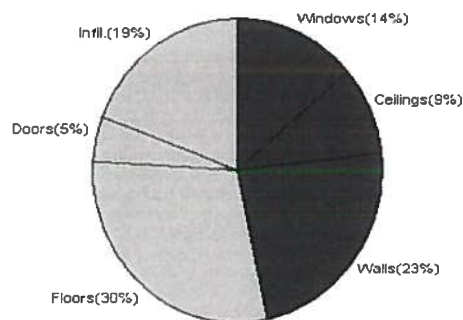
5/11/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
Total heating load calculation	22360 Btuh	Total cooling load calculation	19875 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	107.3 24000	Sensible (SHR = 0.5)	77.4 12000
Heat Pump + Auxiliary(0.0kW)	107.3 24000	Latent	274.5 12000
		Total (Electric Heat Pump)	120.8 24000

WINTER CALCULATIONS

Winter Heating Load (for 1476 sqft)

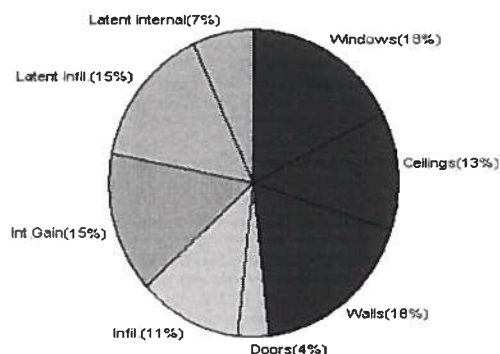
Load component	Load
Window total 145 sqft	3118 Btuh
Wall total 1680 sqft	5208 Btuh
Door total 58 sqft	1072 Btuh
Ceiling total 1613 sqft	2096 Btuh
Floor total 210 ft	6636 Btuh
Infiltration 99 cfm	4230 Btuh
Subtotal	22360 Btuh
Duct loss	0 Btuh
TOTAL HEAT LOSS	22360 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1476 sqft)

Load component	Load
Window total 145 sqft	3480 Btuh
Wall total 1680 sqft	3595 Btuh
Door total 58 sqft	730 Btuh
Ceiling total 1613 sqft	2516 Btuh
Floor total	0 Btuh
Infiltration 86 cfm	2183 Btuh
Internal gain	3000 Btuh
Subtotal(sensible)	15503 Btuh
Duct gain	0 Btuh
Total sensible gain	15503 Btuh
Latent gain(infiltration)	2992 Btuh
Latent gain(internal)	1380 Btuh
Total latent gain	4372 Btuh
TOTAL HEAT GAIN	19875 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: John Norris

DATE: 5/11/06

System Sizing Calculations - Winter

Residential Load - Component Details

John Norris

Project Title:
Thornwood Lot 5

Code Only
Professional Version
Climate: South

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

5/11/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	15.0	21.5	322 Btuh
2	2, Clear, Wood, DEF	N	9.0	21.5	194 Btuh
3	2, Clear, Wood, DEF	N	14.0	21.5	301 Btuh
4	2, Clear, Wood, DEF	S	45.0	21.5	968 Btuh
5	2, Clear, Wood, DEF	S	50.0	21.5	1075 Btuh
6	2, Clear, Wood, DEF	S	12.0	21.5	258 Btuh
Window Total			145		3118 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1680	3.1	5208 Btuh
Wall Total			1680		5208 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		41	18.3	748 Btuh
2	Insulated - Exter		18	18.3	324 Btuh
Door Total			58		1072Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1613	1.3	2096 Btuh
Ceiling Total			1613		2096Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	210.0 ft(p)	31.6	6636 Btuh
Floor Total			210		6636 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	14760(sqft)	99	4230 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				99	4230 Btuh

Totals for Heating	Subtotal	22360 Btuh
	Duct Loss(using duct multiplier of 0.00)	0 Btuh
	Total Btuh Loss	22360 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

John Norris

Project Title:
Thornwood Lot 5

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 5/11/2006

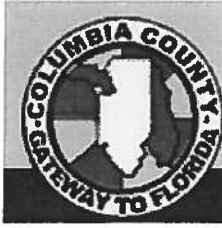
Window	Type	Overhang		Window Area(sqft)			HTM		Load			
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360	Btuh	
2	2, Clear, DEF, N, N	N	1.5	4	9.0	0.0	9.0	24	24	216	Btuh	
3	2, Clear, DEF, N, N	N	1.5	6	14.0	0.0	14.0	24	24	336	Btuh	
4	2, Clear, DEF, N, N	S	1.5	6	45.0	45.0	0.0	24	39	1080	Btuh	
5	2, Clear, DEF, N, N	S	1.5	6	50.0	50.0	0.0	24	39	1200	Btuh	
6	2, Clear, DEF, N, N	S	1.5	3	12.0	12.0	0.0	24	39	288	Btuh	
Window Total					145					3480	Btuh	
Walls	Type	R-Value			Area			HTM		Load		
	1	Frame - Exterior			13.0			1680.0			2.1	3595 Btuh
	Wall Total					1680.0			3595 Btuh			
Doors	Type				Area			HTM		Load		
	1	Insulated - Exter			40.8			12.5		509 Btuh		
	2	Insulated - Exter			17.7			12.5		221 Btuh		
	Door Total					58.5			730 Btuh			
Ceilings	Type/Color	R-Value			Area			HTM		Load		
	1	Under Attic/Dark			30.0			1612.6			1.6	2516 Btuh
	Ceiling Total					1612.6			2516 Btuh			
Floors	Type	R-Value			Size			HTM		Load		
	1	Slab-On-Grade Edge Insulation			0.0			210.0 ft(p)			0.0	0 Btuh
	Floor Total					210.0			0 Btuh			
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			14760			86.3		2183 Btuh		
	Mechanical							0		0 Btuh		
	Infiltration Total								86		2183 Btuh	

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

Totals for Cooling	Subtotal	15503 Btuh
	Duct gain(using duct multiplier of 0.00)	0 Btuh
	Total sensible gain	15503 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	2992 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		19875 Btuh

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

EnergyGauged - FLRCPB v3.30



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

Reference to a building permit application Number: **0605-10**
Contractor John Norris Owner Image Development lot 5 Thornwood subdivision

On the date of May 5, 2006 application 0605-10 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0605-10 when making reference to this application.

- ✓ 1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Form 600A-2004 Florida Energy Efficiency Code for Building Construction. Line 6 Conditioned floor area (square feet) as submitted is 1466 the total conditioned area on the plans are 1473(square feet) please resubmit the corrected form to this department.

3. Please provide for compliance with the FRC-2004 section R322.1.1

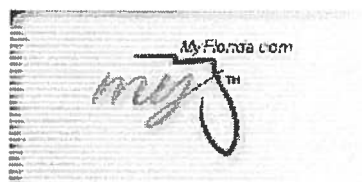
All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).

✓ 4. Please supply two sets of the engineered roof truss plans which have the truss designer signature and an embossed engineer's seal, using these plans provide a drawing which details the uplift rating for each truss, to assist in the framing inspection of the structure.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

[illegible]

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Licensee Details**Licensee Information**

Name: **NORRIS, JOHN DAVID (Primary Name)**
INDIVIDUAL (Alternate Name)
Main Address: **351 NW CORWIN GLN
LAKE CITY, Florida 32055**
Lic. Location: **WOODGLEN DRIVE
LAKE CITY, FL 32055
Columbia**

License Information

License Type: **Registered General Contractor**
Rank: **Reg General**
License Number: **RG0066597**
Status: **Current, Active**
Licensure Date: **06/20/1996**
Expires: **08/31/2005**

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

Special Qualifications Effective Date

Bldg Code Core Course Credit

No Qualified Business License Required 02/20/2004

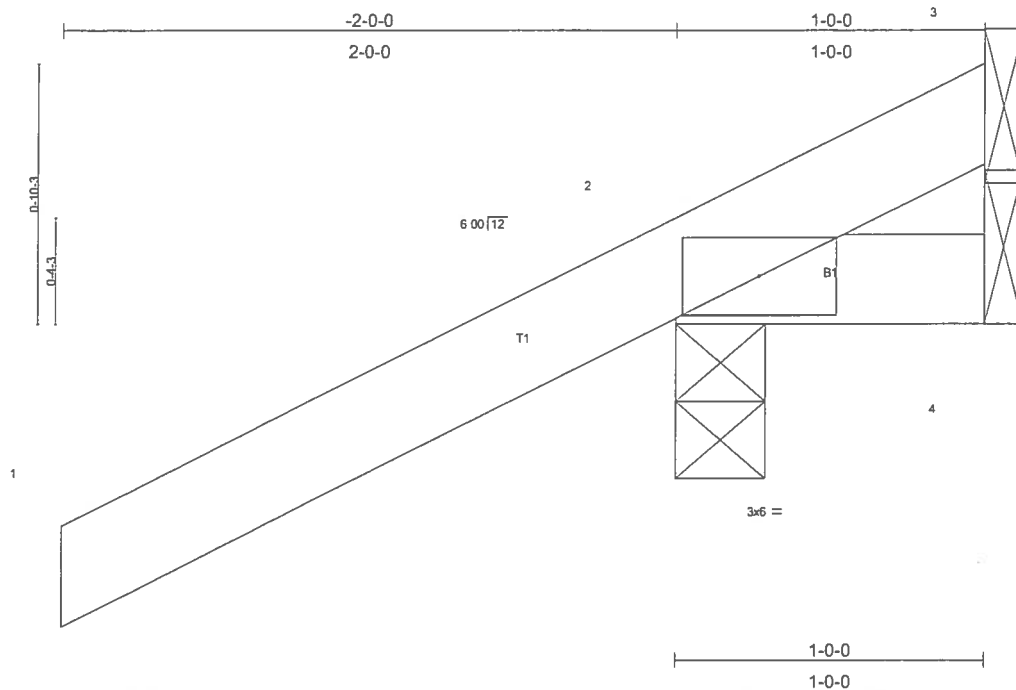
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MAY 04, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. FEB 9 1998
18105 N. FLORIDA AVE. STE B, LOT 2, FL 33549

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS-SIERRA
L163337	CJ1	MONO TRUSS	18	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6/20/06 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:30 2006 Page 1		



Scale = 1/2" = 1'-0"

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

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

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

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

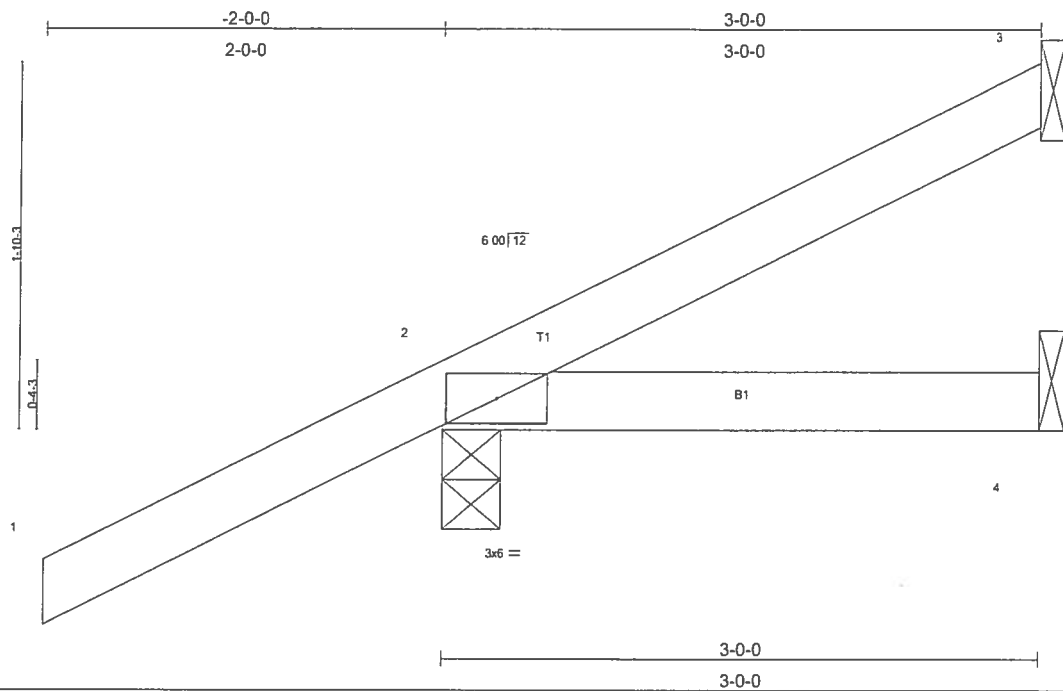
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-69/75
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS-SIERRA
L163337	CJ3	MONO TRUSS	14	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:31 2006 Page 1		



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vent(LL) 0.01 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.08	Vent(TL) 0.01 2-4 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)		Weight: 13 lb	

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

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

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

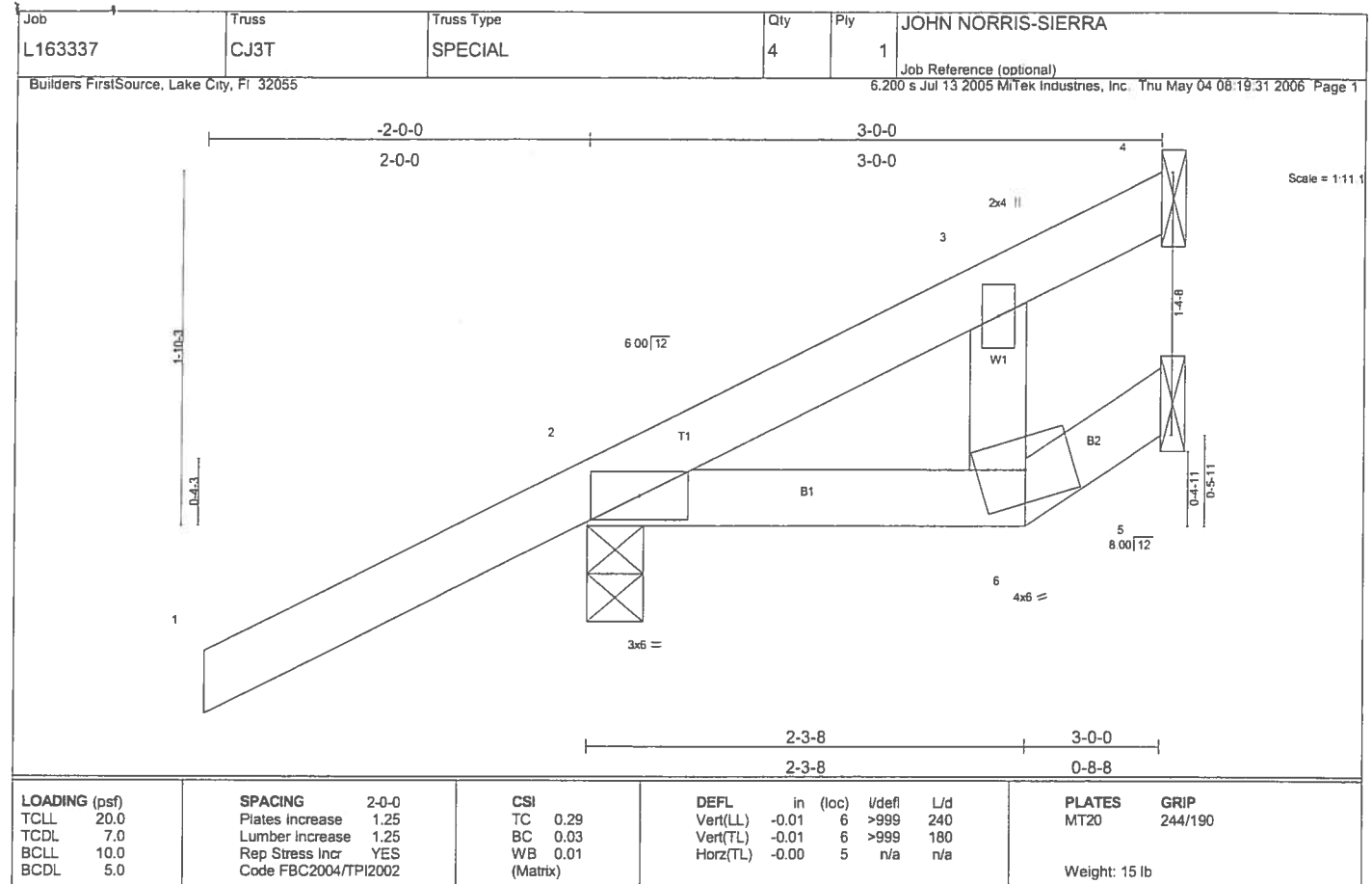
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

MAY 04, 2006 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



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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

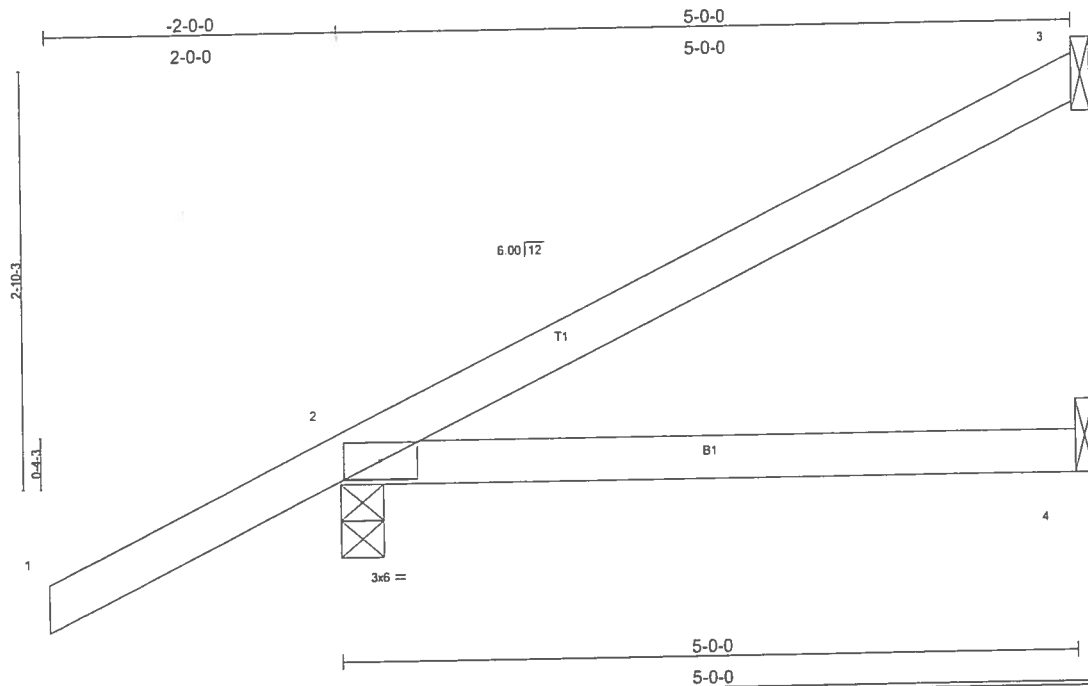
REACTIONS (lb/size) 4=63/Mechanical, 2=278/0-3-8, 5=10/Mechanical
 Max Horz.2=132(load case 5)
 Max Uplift4=-21(load case 6), 2=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-58/2, 3-4=-18/26
 BOT CHORD 2-6=-6/0, 5-6=-4/4
 WEBS 3-6=0/42

NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed: MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 4 and 203 lb uplift at joint 2.

LOAD CASE(S) Standard



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) 0.09 2-4	>663	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) 0.07 2-4	>774	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)				Weight: 19 lb	

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

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

(lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-260(load case 5), 4=-46(load case 3)

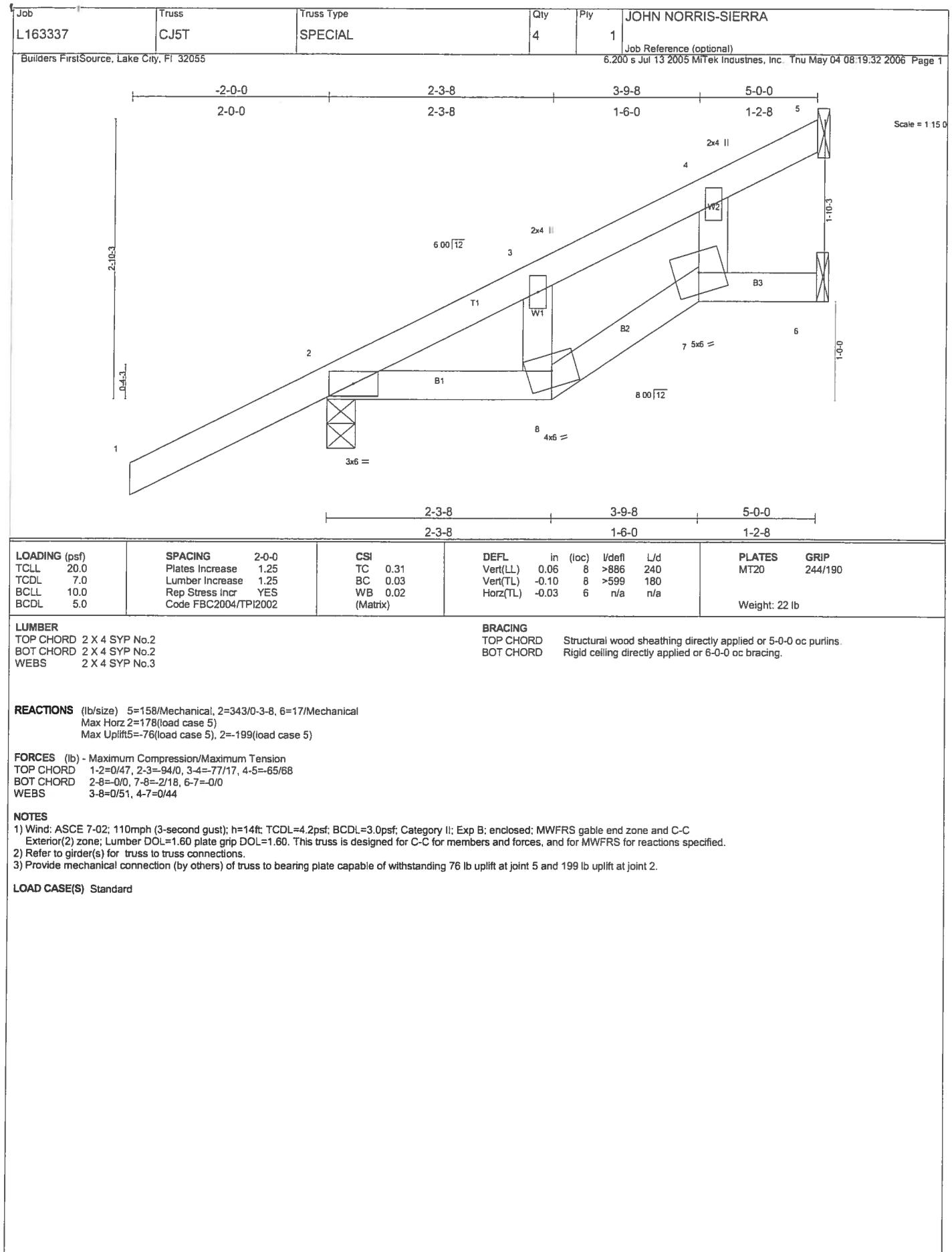
FORCES (lb) - Maximum Compression
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

NOTES

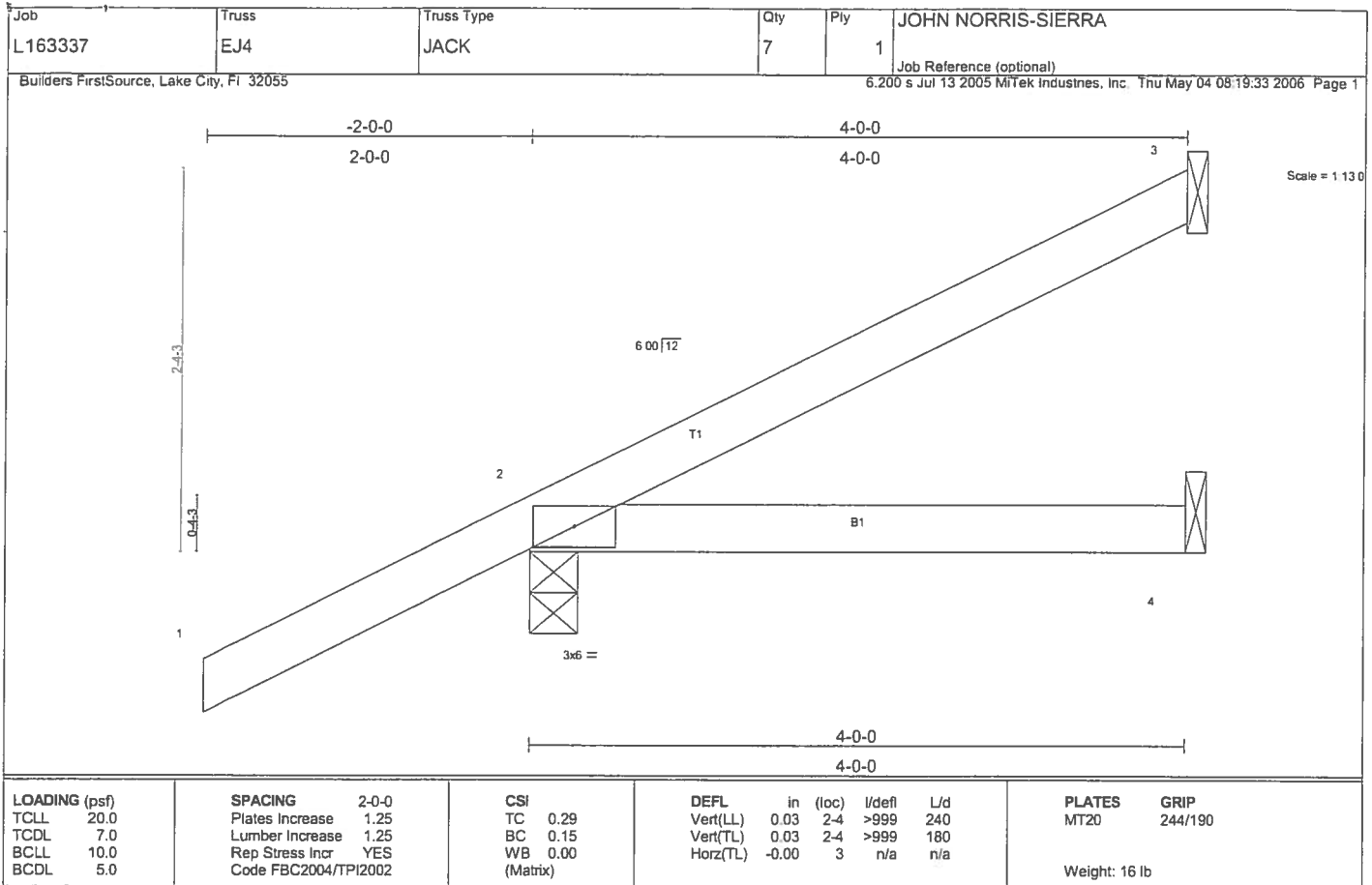
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions 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 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

MAY 04, 2006 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



MAY 04, 2006 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



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

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

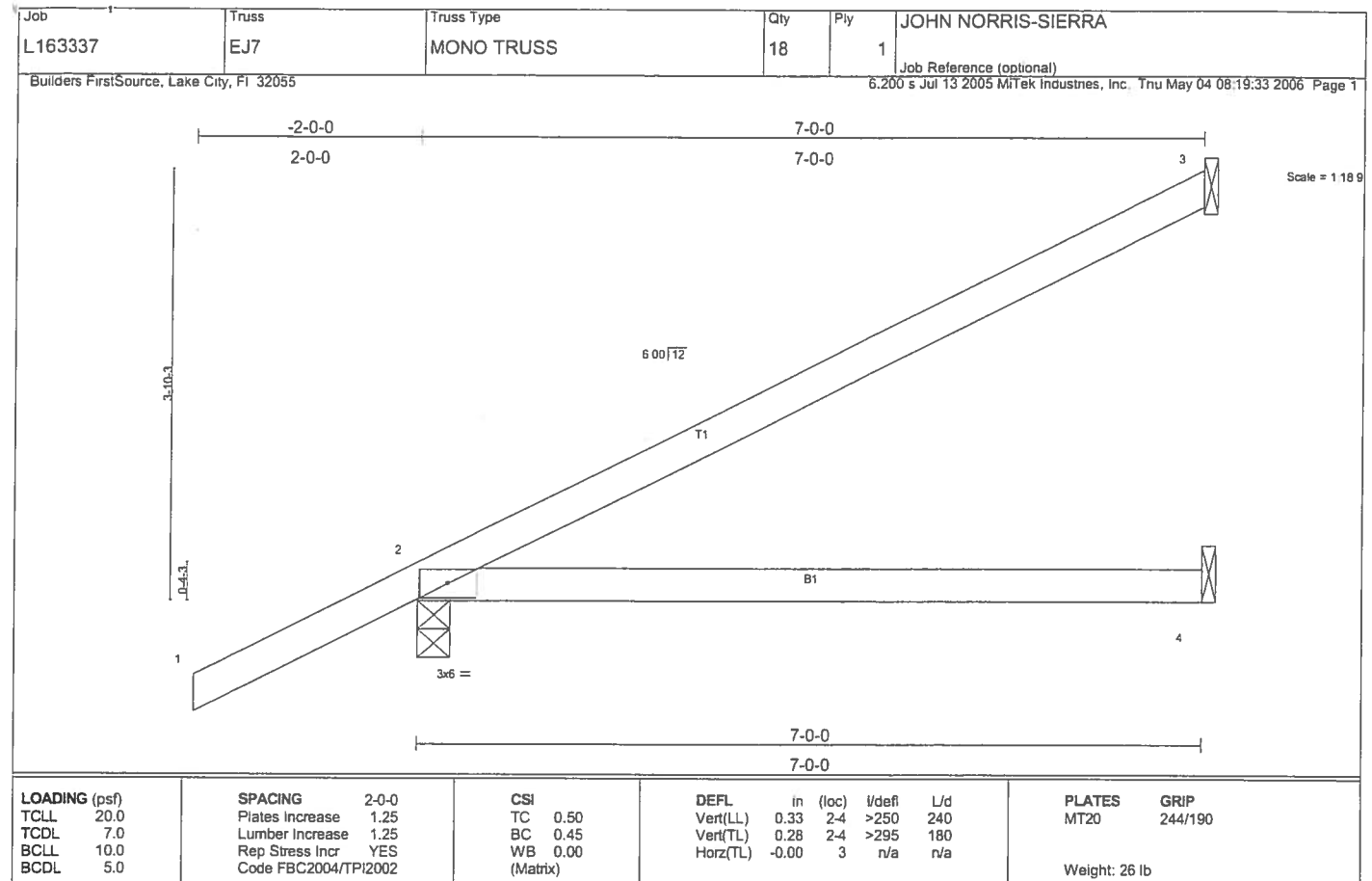
REACTIONS (lb/size) 3=70/Mechanical, 2=308/0-3-8, 4=57/Mechanical
Max Horz 2=155(load case 5)
Max Uplift 3=54(load case 5), 2=-246(load case 5), 4=-36(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-63/23
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; 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 54 lb uplift at joint 3, 246 lb uplift at joint 2 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard



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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
 Max Horz 2=224(load case 5)
 Max Uplift 3=-144(load case 5), 2=-295(load case 5), 4=-68(load case 6)

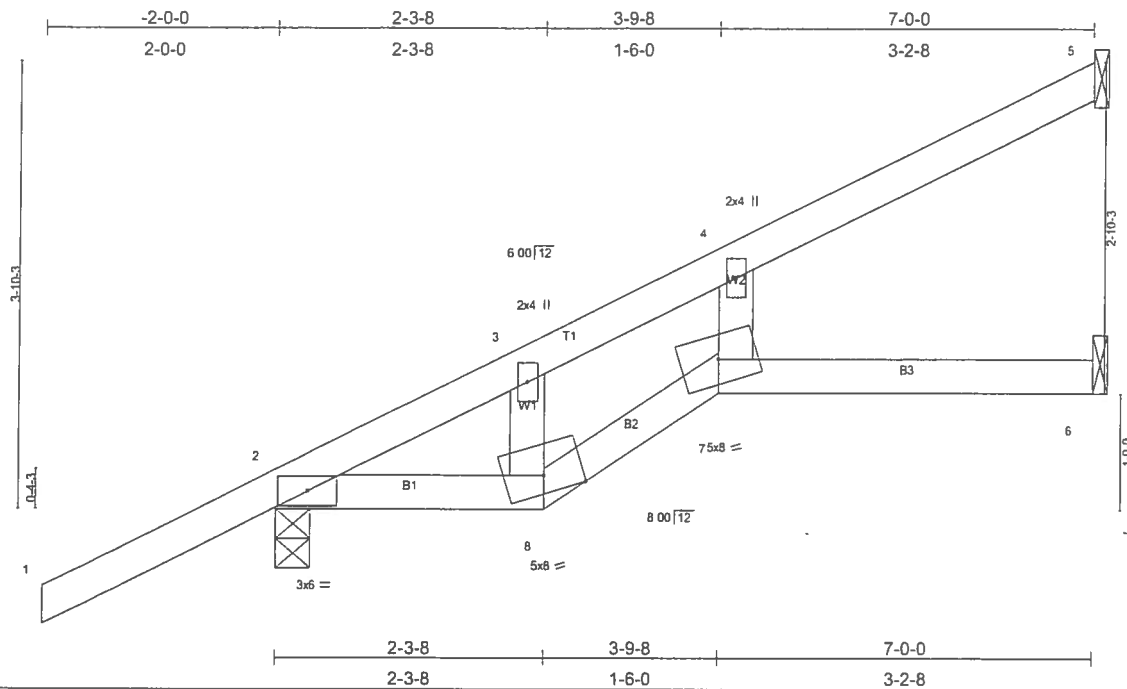
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-131/58
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 144 lb uplift at joint 3, 295 lb uplift at joint 2 and 68 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L163337	Truss EJ7T	Truss Type SPECIAL	Qty 2	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:34 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.40	Vert(LL) 0.19 7-8 >435 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.03	Vert(TL) -0.24 7-8 >335 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 6 n/a n/a		
	Code FBC2004/TP12002			Weight: 29 lb	

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

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

REACTIONS (lb/size) 5=157/Mechanical, 2=419/0-3-8, 6=110/Mechanical
 Max Horz 2=224(load case 5)
 Max Uplift 5=-101(load case 5), 2=-210(load case 5), 6=-25(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-184/0, 3-4=-145/0, 4-5=-80/63
 BOT CHORD 2-8=0/11, 7-8=-7/32, 6-7=0/0
 WEBS 3-8=-80/92, 4-7=0/101

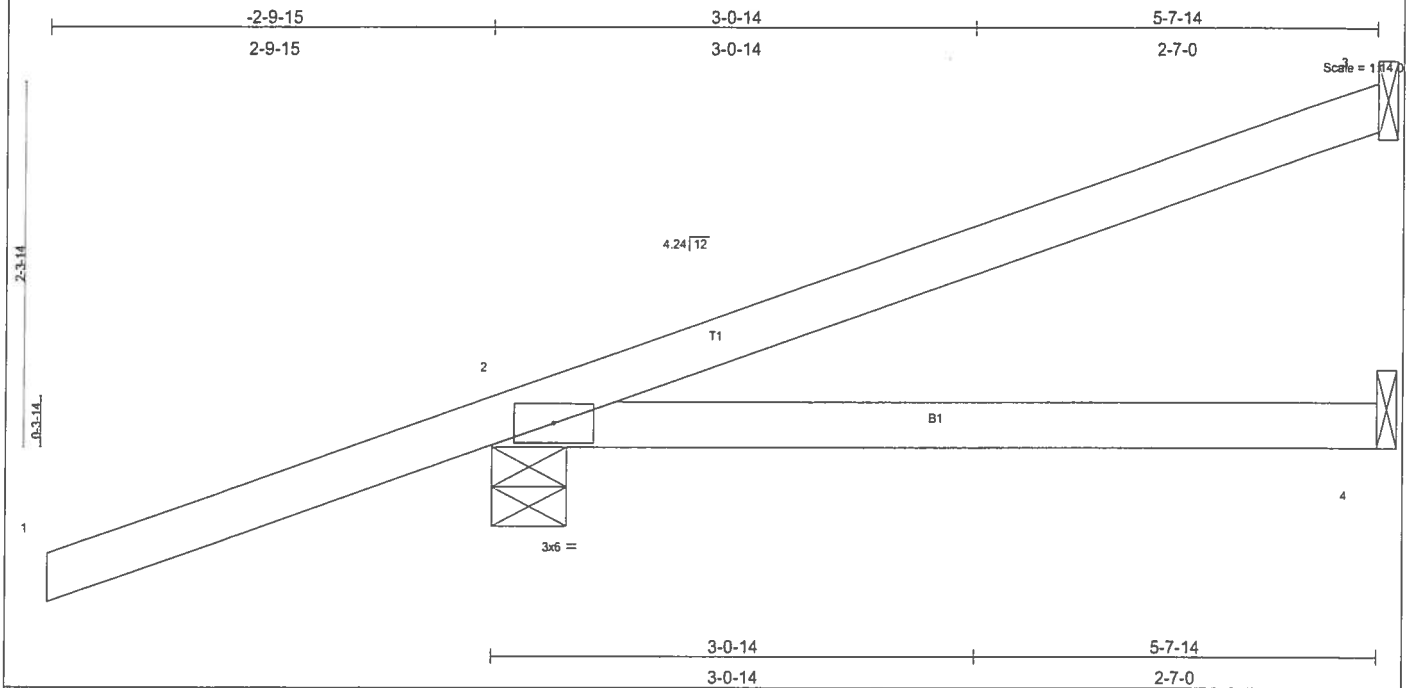
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 5, 210 lb uplift at joint 2 and 25 lb uplift at joint 6.

LOAD CASE(S) Standard

MAY 04, 2006 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 L163337	Truss HJ5	Truss Type JACK	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc Thu May 04 08:19:34 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(LL) 0.05 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.05 2-4 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 22 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=92/Mechanical, 2=325/0-5-11, 4=76/Mechanical
Max Horz 2=128(load case 2)
Max Uplift 3=-58(load case 2), 2=-314(load case 2), 4=-52(load case 2)

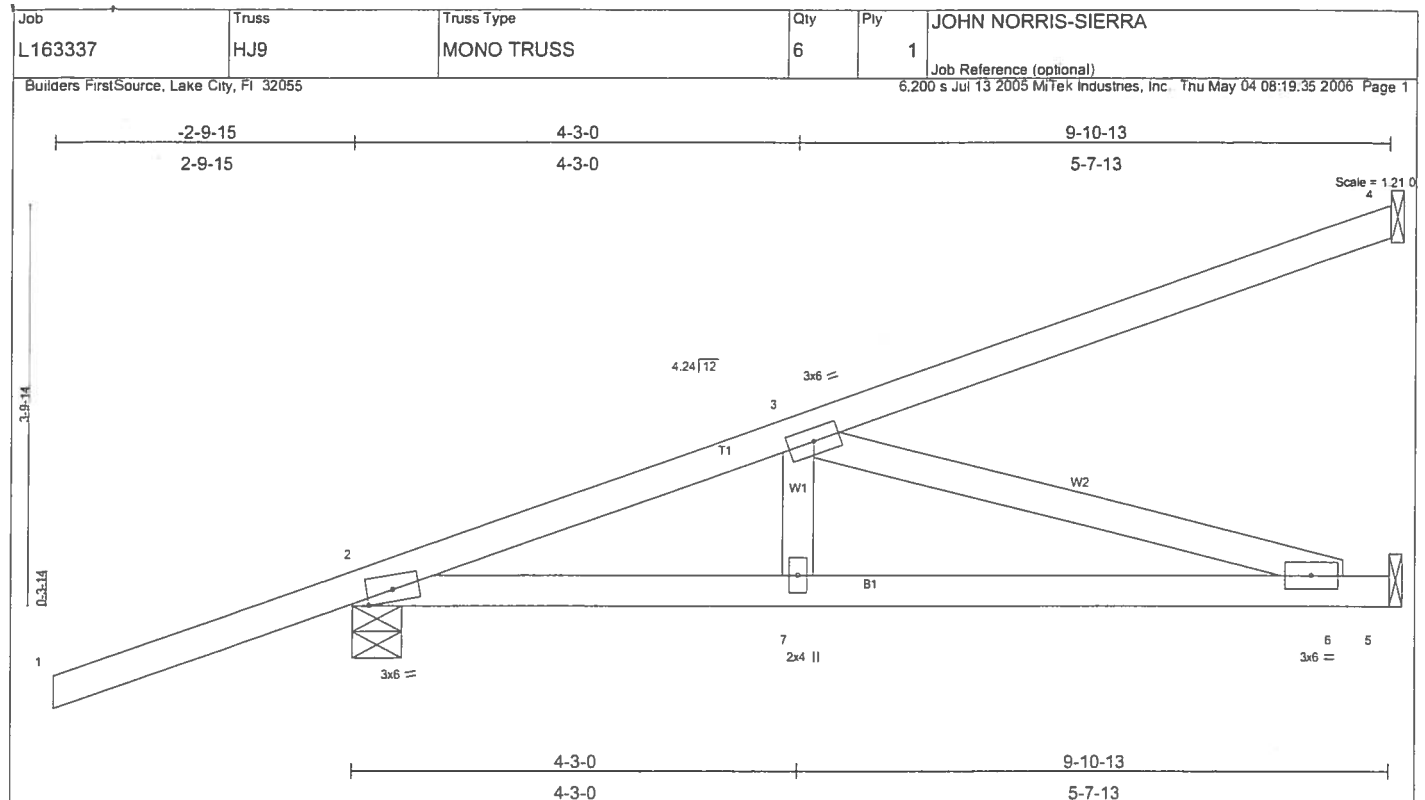
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=42/19
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 3, 314 lb uplift at joint 2 and 52 lb uplift at joint 4.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-3=-76(F=-11, B=-11), 2=-0(F=15, B=15)-to-4=-42(F=-6, B=-6)



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.61	Vert(LL) -0.11 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.47	Vert(TL) -0.19 6-7 >623 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 5 n/a n/a		
	Code FBC2004/TP12002			Weight: 45 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.

REACTIONS (lb/size) 4=270/Mechanical, 2=535/0-5-11, 5=374/Mechanical
 Max Horz 2=269(load case 2)
 Max Uplift 4=-233(load case 2), 2=-401(load case 2), 5=-181(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-883/363, 3-4=-105/66
 BOT CHORD 2-7=-535/817, 6-7=-535/817, 5-6=0/0
 WEBS 3-7=-94/188, 3-6=-851/557

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 401 lb uplift at joint 2 and 181 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-3(F=25, B=25)-to-4=-134(F=40, B=40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=22)

Job L163337	Truss HJ9T	Truss Type SPECIAL	Qty 2	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:35 2006 Page 1		

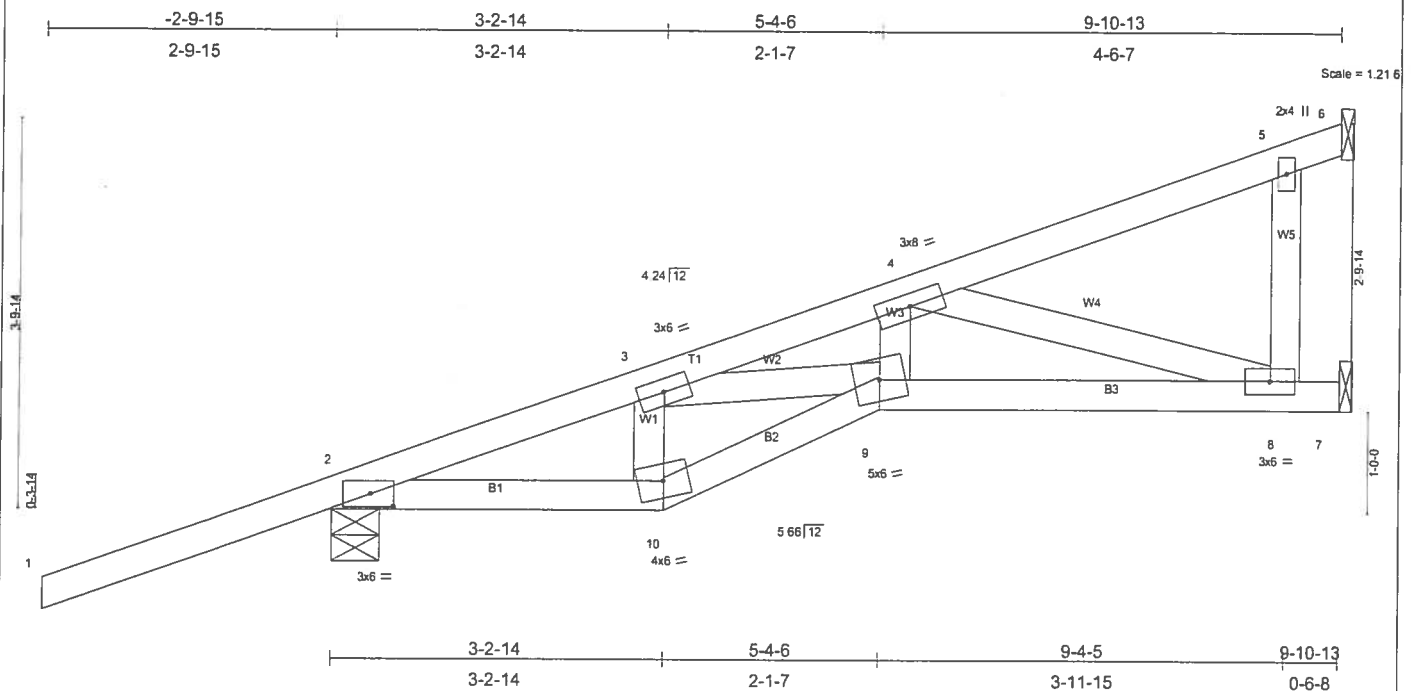


Plate Offsets (X,Y): (2.0-2.12.0-1.8)

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.62	Vert(LL) -0.08 8-9 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.35	Vert(TL) -0.13 8-9 >883 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.03 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 50 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 8-2-7 oc bracing: 8-9.

REACTIONS (lb/size) 6=289/Mechanical, 2=535/0-5-11, 7=355/Mechanical
 Max Horz 2=268(load case 2)
 Max Uplift 6=47(load case 2), 2=281(load case 2), 7=246(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=635/7, 3-4=1466/410, 4-5=90/31, 5-6=-19/94
 BOT CHORD 2-10=-155/563, 9-10=-162/618, 8-9=-543/1228, 7-8=0/0
 WEBS 3-10=-307/150, 3-9=-449/860, 4-9=-64/484, 4-8=-1277/565, 5-8=0/155

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 6, 281 lb uplift at joint 2 and 246 lb uplift at joint 7.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=54

Trapezoidal Loads (plf)

Vert: 2=3(F=25, B=25)-to-6=-134(F=-40, B=40), 2=0(F=15, B=15)-to-10=-23(F=3, B=3), 10=-23(F=3, B=3)-to-9=-40(F=-5, B=-5), 9=40(F=5, B=5)-to-7=-74(F=-22, B=22)

Job L163337	Truss T01	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-SIERRA Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:36 2006 Page 1		

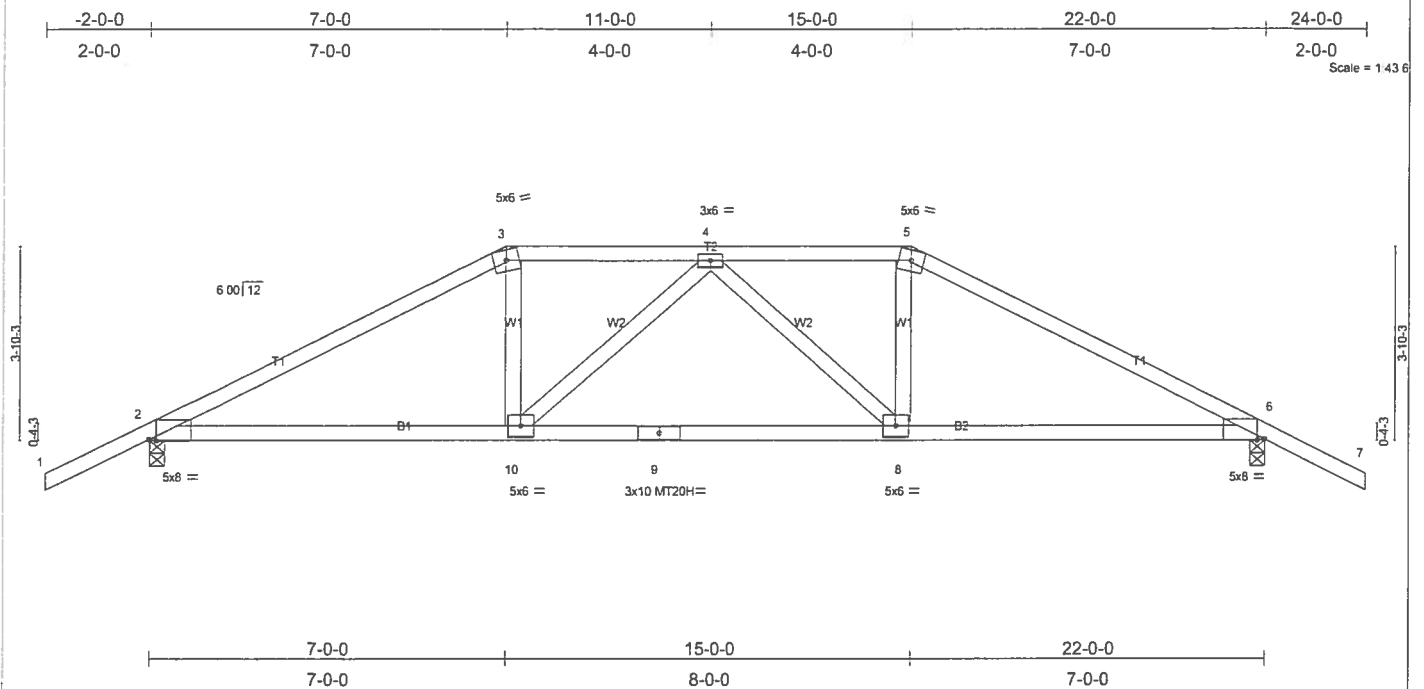


Plate Offsets (X,Y): [2-0-1-11,Edge], [6-0-1-11,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.52	Vert(LL)	-0.28	8-10	>935	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.79	Vert(TL)	-0.46	8-10	>561	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.38	Horz(TL)	0.10	6	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)						
	Code FBC2004/TP12002							
							Weight: 99 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-1 1-7 oc bracing.

REACTIONS (lb/size) 2=1926/0-3-8, 6=1926/0-3-8

Max Horz 2=-87(load case 5)

Max Uplift 2=-822(load case 4), 6=-822(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-3486/1289, 3-4=-3070/1226, 4-5=-3070/1226, 5-6=-3486/1290, 6-7=0/47

BOT CHORD 2-10=-1099/3024, 9-10=-1277/3280, 8-9=-1277/3280, 6-8=-1058/3024

WEBS 3-10=-384/1183, 4-10=-399/316, 4-8=-399/316, 5-8=-384/1183

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 822 lb uplift at joint 2 and 822 lb uplift at joint 6.
- 6) Girder carries hip end with 7-0-0 end setback.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 255 lb up at 15-0-0, and 539 lb down and 255 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-113(F=-59), 5-7=-54, 2-10=-30, 8-10=-62(F=-33), 6-8=-30

Concentrated Loads (lb)

Vert: 10=-539(F) 8=-539(F)

Job L163337	Truss T02	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:37 2006 Page 1		

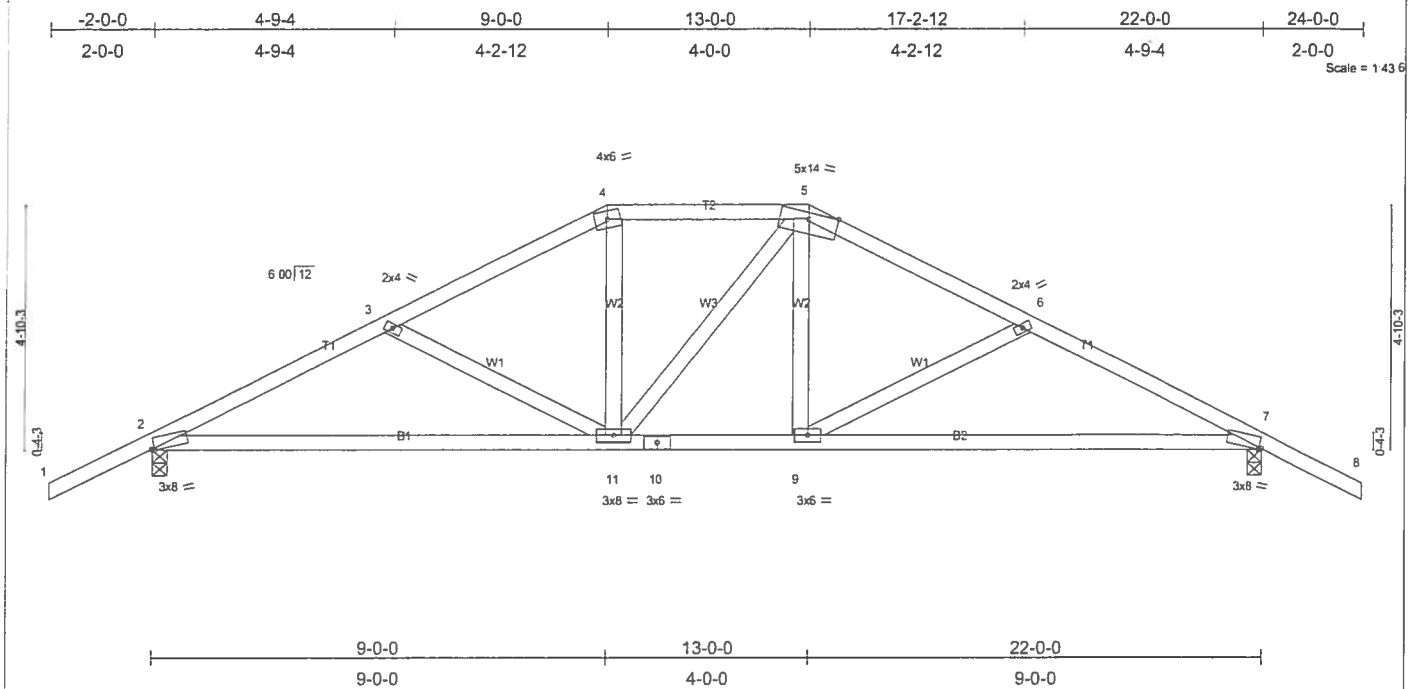


Plate Offsets (X,Y): [2-0-0-10-Edge], [7-0-0-10-Edge]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) -0.17 7-9 >999 240		MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.45	Vert(TL) -0.30 7-9 >873 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.13	Horz(TL) 0.04 7 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 111 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-10-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-9-0 oc bracing.

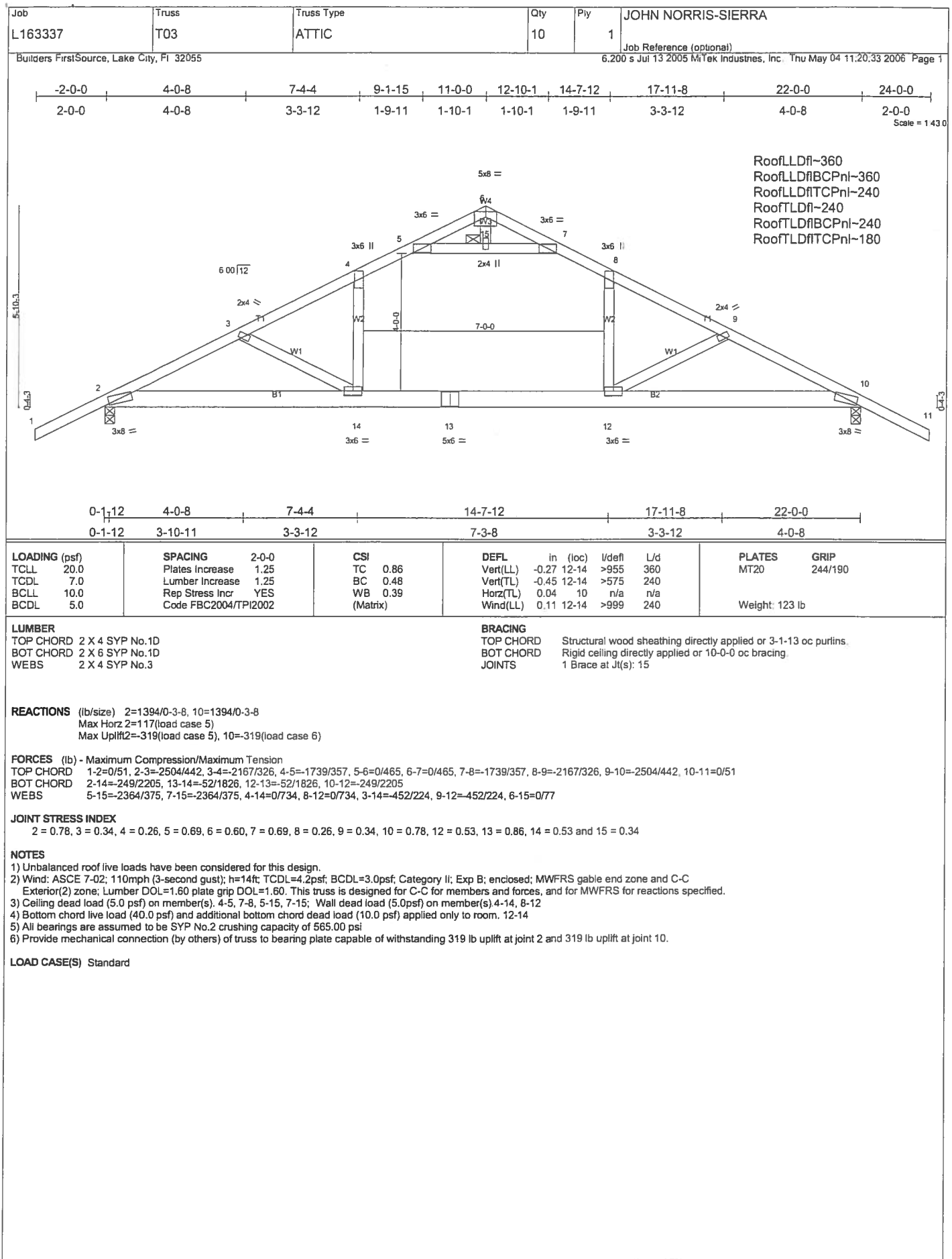
REACTIONS (lb/size) 2=1028/0-3-8, 7=1028/0-3-8
 Max Horz 2=-101(load case 6)
 Max Uplift 2=410(load case 5), 7=410(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1505/635, 3-4=-1246/523, 4-5=-1074/519, 5-6=-1245/523, 6-7=-1505/635, 7-8=0/47
 BOT CHORD 2-11=-404/1305, 10-11=-210/1073, 9-10=-210/1073, 7-9=-404/1305
 WEBS 3-11=-273/221, 4-11=-59/313, 5-11=-100/103, 5-9=-58/314, 6-9=-274/221

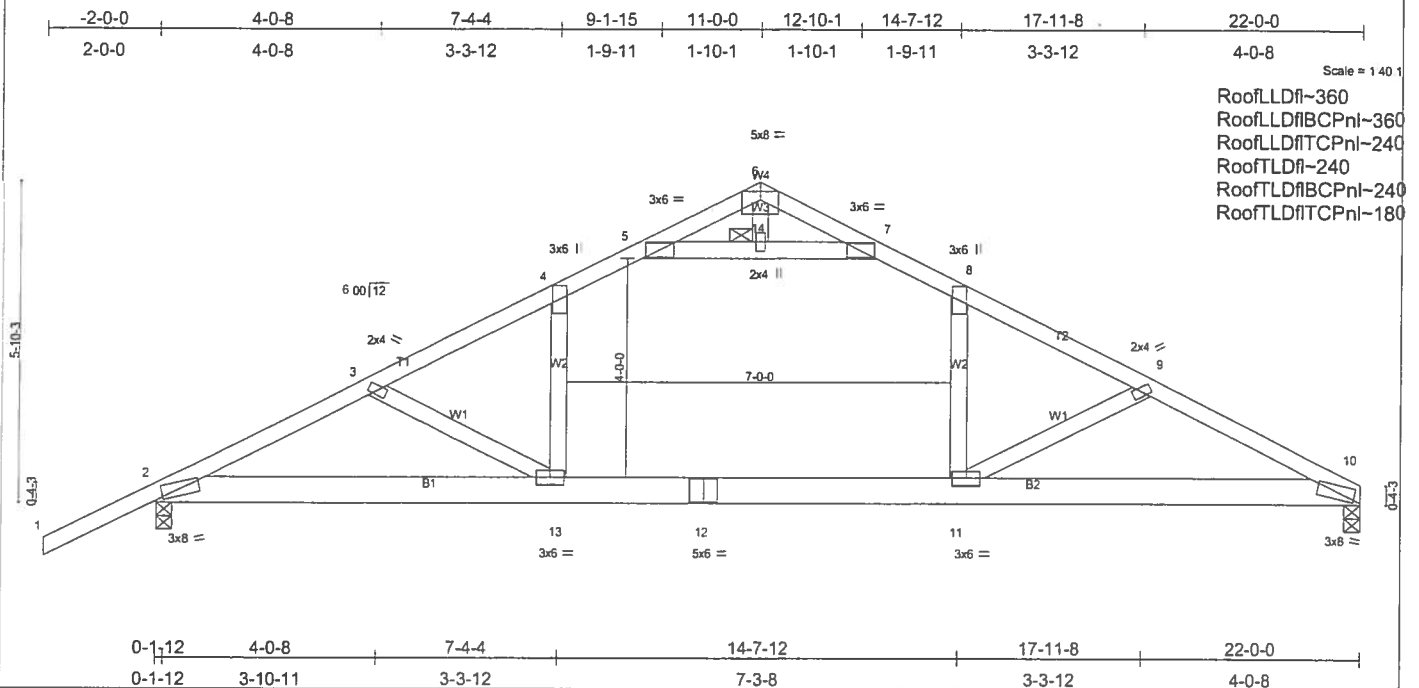
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 410 lb uplift at joint 2 and 410 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 04, 2006 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 L163337	Truss T04	Truss Type ATTIC	Qty 4	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 11:20:42 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.87	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.48	Vert(LL) -0.27 11-13 >953 360		
BCCL 10.0	Lumber Increase 1.25	WB 0.39	Vert(TL) -0.45 11-13 >573 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 10 n/a n/a		
	Code FBC2004/TP12002		Wind(LL) 0.12 11-13 >999 240		
				Weight: 120 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 2=1400/0-3-8, 10=1272/0-3-8
 Max Horz 2=144(load case 5)
 Max Uplift 2=322(load case 5), 10=191(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/51, 2-3=2520/470, 3-4=-2186/357, 4-5=-1755/385, 5-6=0/469, 6-7=0/472, 7-8=-1753/381, 8-9=-2190/365, 9-10=-2533/506
 BOT CHORD 2-13=-357/2219, 12-13=-166/1844, 11-12=-166/1844, 10-11=-402/2245
 WEBS 5-14=-2388/416, 7-14=-2388/416, 4-13=0/738, 8-11=-27/754, 3-13=-451/218, 9-11=-478/269, 6-14=0/78

JOINT STRESS INDEX
 2 = 0.79, 3 = 0.34, 4 = 0.26, 5 = 0.70, 6 = 0.61, 7 = 0.70, 8 = 0.26, 9 = 0.34, 10 = 0.79, 11 = 0.54, 12 = 0.86, 13 = 0.54 and 14 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=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.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-14, 7-14; Wall dead load (5.0psf) on member(s). 4-13, 8-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 322 lb uplift at joint 2 and 191 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS-SIERRA
L163337	T05	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 MiTek Industries, Inc Thu May 04 08:19:39 2006 Page 1		

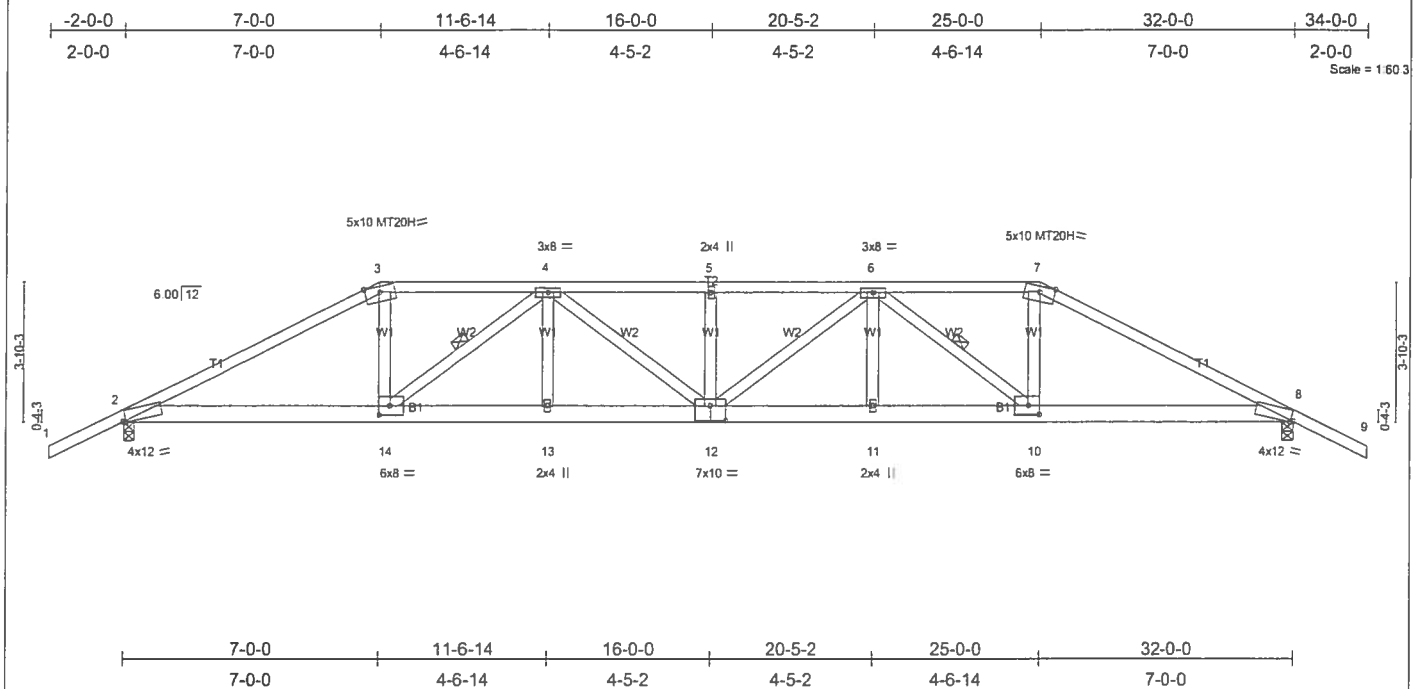


Plate Offsets (X,Y): [2:0-0-13,Edge], [8:0-0-13,Edge], [10:0-3-8,0-3-0], [12:0-5-0,0-4-12], [14:0-3-8,0-3-0]										
LOADING (psf)		SPACING 2-0-0		CSI		DEFL			PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.46	12	>833	240
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.73	12	>521	180
BCLL	10.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.17	8	n/a	n/a
BCDL	5.0	Code FBC2004/TP12002		(Matrix)						
										Weight: 186 lb

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 1-11-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-3-4 oc bracing
WEBS	1 Row at midpt 4-14, 6-10

REACTIONS (lb/size) 2=2801/0-3-8, 8=2801/0-3-8
Max Horz 2=-89(load case 5)
Max Uplift2=-1131(load case 4), 8=-1131(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=5417/2142, 3-4=4845/1981, 4-5=-6781/2785, 5-6=-6781/2785, 6-7=-4845/1981, 7-8=-5417/2142, 8-9=0/51
12-13=-1870/4762, 13-14=-2539/6325, 12-13=-2539/6325, 11-12=-2507/6325, 10-11=-2507/6325, 8-10=-1831/4762
BOT CHORD 3-4=1781/986, 4-14=-1976/892, 4-13=0/311, 4-12=-249/611, 5-12=-4686/367, 6-12=-250/611, 6-11=0/311, 6-10=-1976/892, 7-10=-718/986
WEBS

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1131 lb uplift at joint 2 and 1131 lb uplift at joint 8.
- 6) Girder carries hip end with 7-0-0 end setback.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 255 lb up at 25-0-0, and 539 lb down and 255 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as from (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, 3-7=-113(F=-59), 7-9=-54, 2-14=-30, 10-14=-62(F=-33), 8-10=-30
Concentrated Loads (lb)
Vert: 14=-539(F) 10=-539(F)

MAY 04, 2006 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 L163337	Truss T06	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 Mittek Industries, Inc. Thu May 04 08:19:40 2006 Page 1

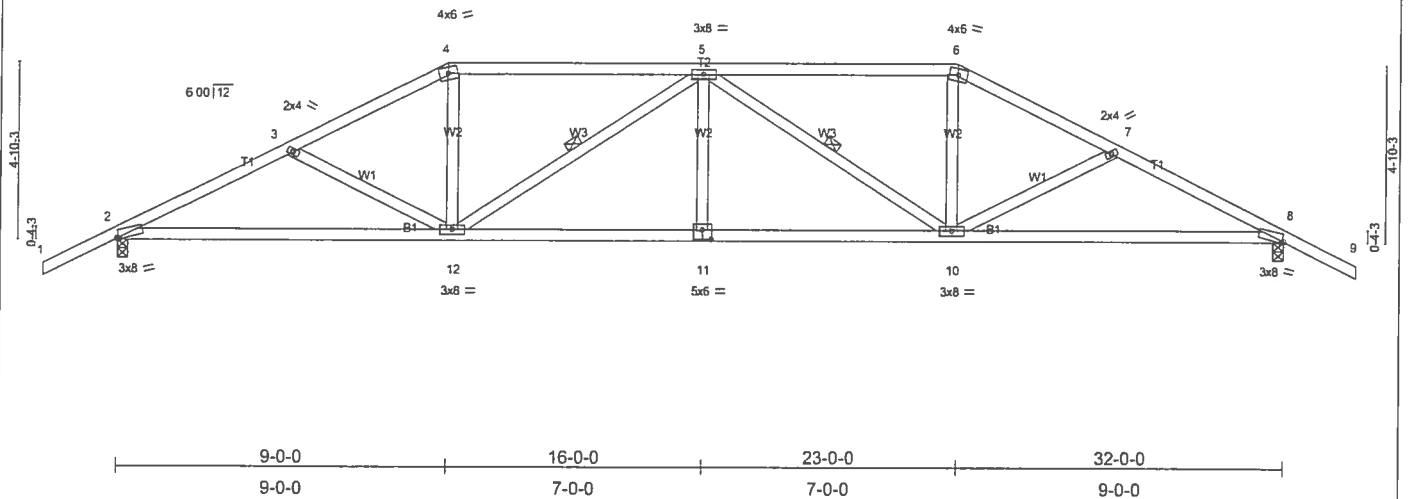
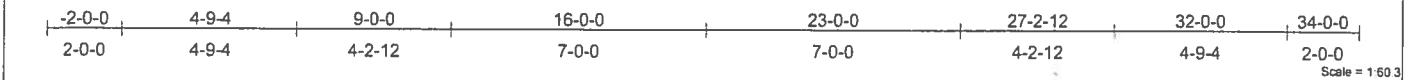


Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-3-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.72	Vert(LL) -0.21 8-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.20	Vert(TL) -0.35 8-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.11 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 162 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.
WEBS 1 Row at midpt 5-12, 5-10

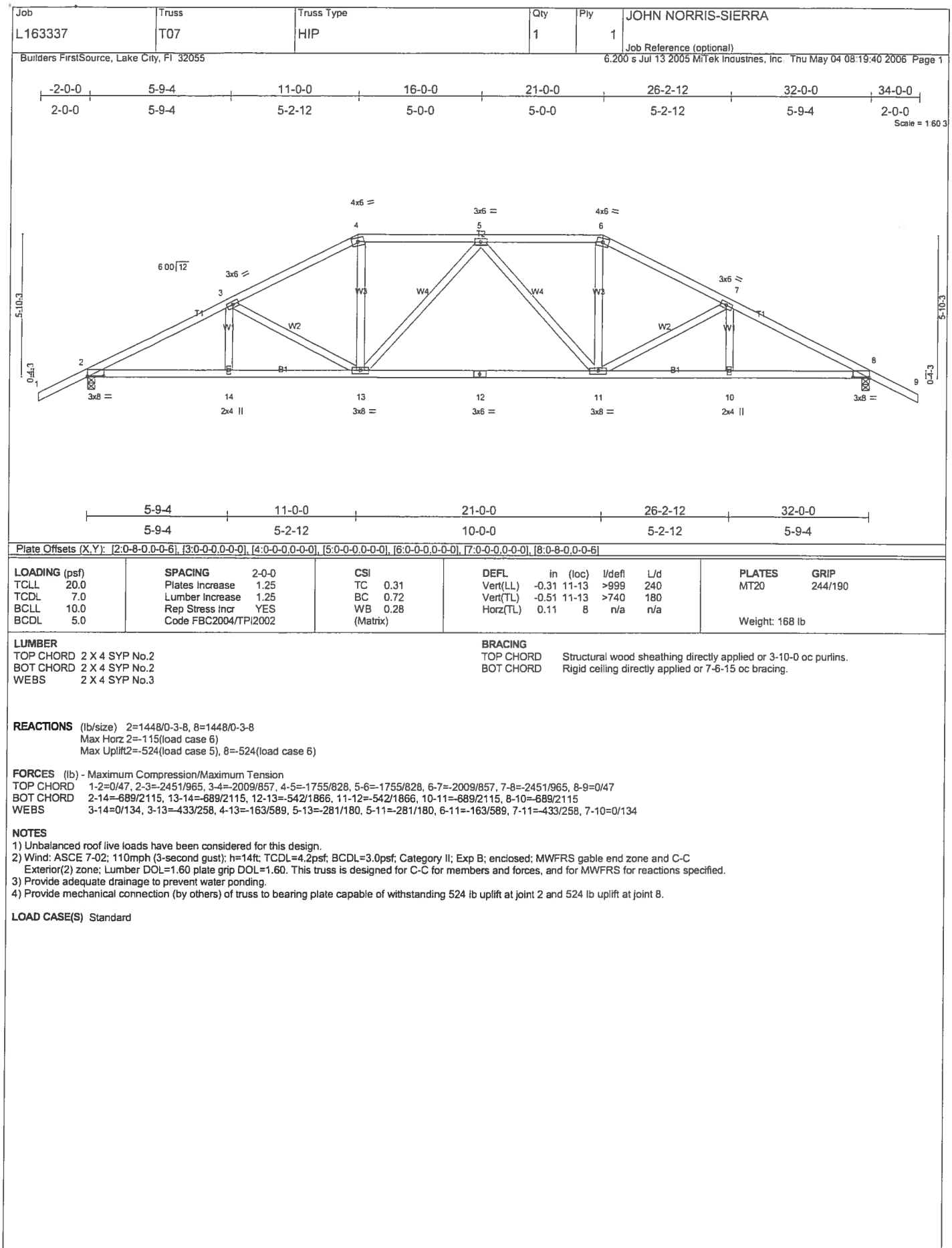
REACTIONS (lb/size) 2=1448/0-3-8, 8=1448/0-3-8
Max Horz 2=101(load case 5)
Max Uplift 2=507(load case 5), 8=507(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=2399/978, 3-4=2180/886, 4-5=1930/854, 5-6=1930/854, 6-7=2180/886, 7-8=2399/978, 8-9=0/47
BOT CHORD 2-12=706/2092, 11-12=731/2357, 10-11=731/2357, 8-10=706/2092
WEBS 3-12=209/188, 4-12=150/636, 5-12=605/270, 5-11=0/174, 5-10=605/269, 6-10=150/636, 7-10=209/189

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 507 lb uplift at joint 2 and 507 lb uplift at joint 8.

LOAD CASE(S) Standard



MAY 04, 2006 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 L163337	Truss T08	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055					
6,200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:41 2006 Page 1					

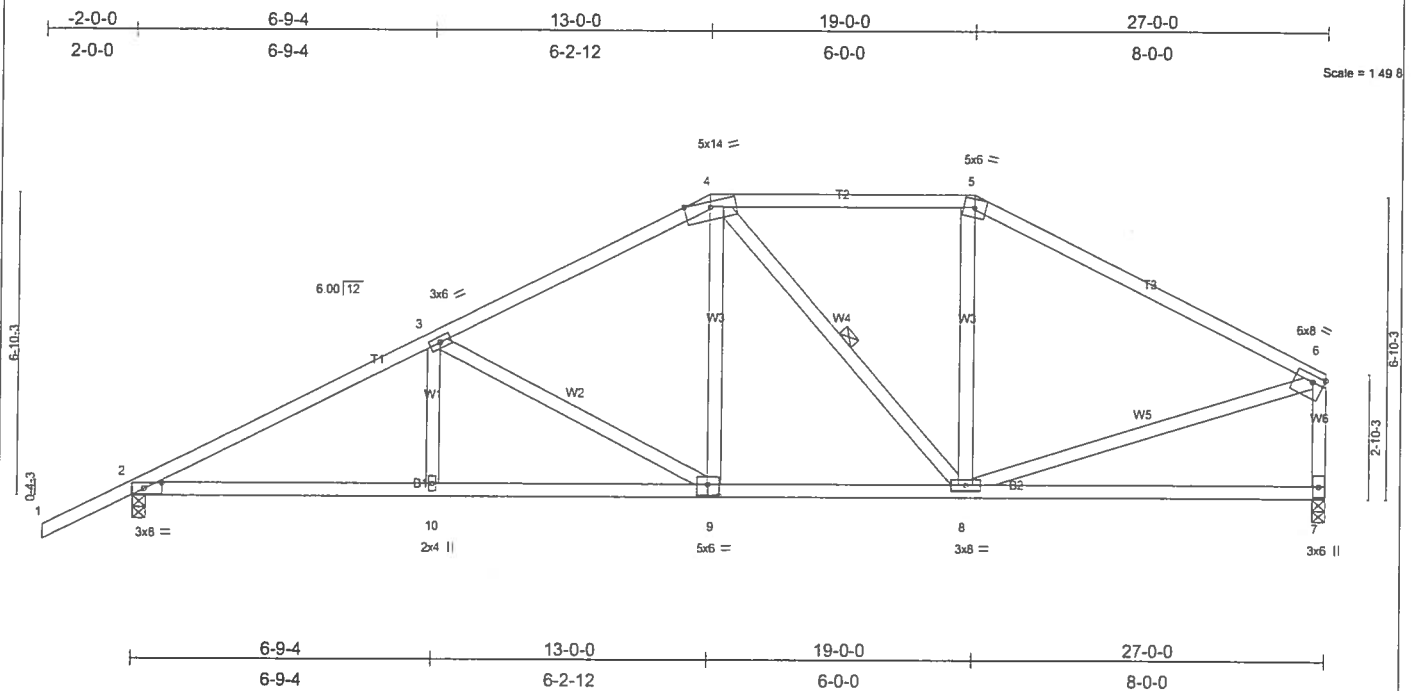


Plate Offsets (X,Y): [2:0-4-12.0-1-8], [6:Edge,0-1-12], [9:0-3-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.94	Vert(LL)	-0.10	9-10	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.44	Vert(TL)	-0.17	9-10	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.56	Horz(TL)	0.05	7	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 149 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS

(lb/size) 2=1242/0-3-8, 7=1117/0-3-8
Max Horz 2=238(load case 5)
Max Uplift 2=484(load case 5), 7=323(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1986/781, 3-4=-1374/633, 4-5=-1006/565, 5-6=-1218/537, 6-7=-991/490
BOT CHORD 2-10=-727/1697, 9-10=-727/1697, 8-9=-433/1167, 7-8=-96/160
WEBS 3-10=0/219, 3-9=612/338, 4-9=-133/456, 4-8=-339/129, 5-8=0/215, 6-8=-285/887

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 484 lb uplift at joint 2 and 323 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L163337	Truss T09	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:42 2006 Page 1

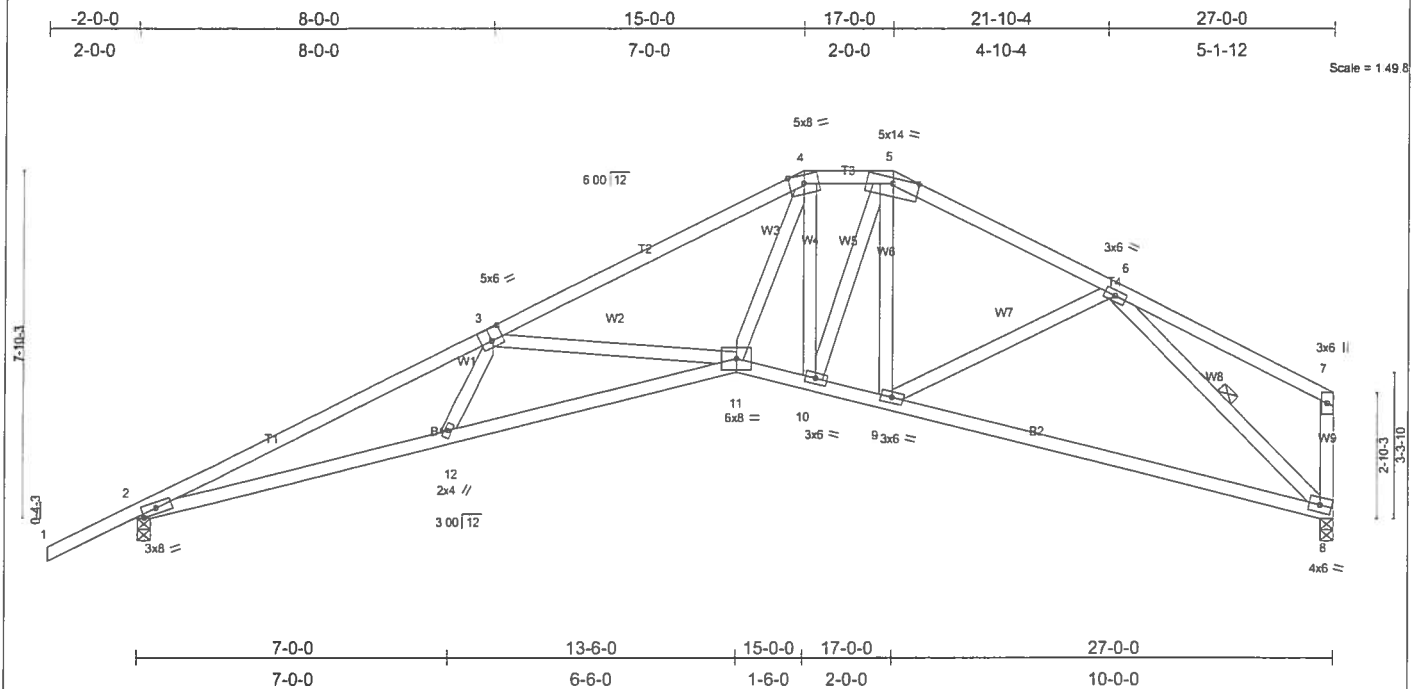


Plate Offsets (X,Y): [2-0-3-12, Edge], [3-0-3-0, 0-3-4]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/defl	L/d
TCLL 20.0	Plates Increase 1.25	TC 0.83	Vert(LL) -0.31 11-12	>999	240
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(TL) -0.50 11-12	>638	180
BCLL 10.0	Rep Stress Incr YES	WB 0.55	Horz(TL) 0.31 8	n/a	n/a
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
					PLATES MT20
					GRIP 244/190
					Weight: 150 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-5-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-4-1 oc bracing.
 WEBS 1 Row at midpt 6-8

REACTIONS (lb/size) 2=1242/0-3-8, 8=1117/0-3-8
 Max Horz 2=251(load case 5)
 Max Uplift 2=494(load case 5), 8=338(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=3631/1481, 3-4=2474/1060, 4-5=1596/831, 5-6=1646/743, 6-7=207/88, 7-8=201/128
 BOT CHORD 2-12=1378/3268, 11-12=1399/3143, 10-11=600/1685, 9-10=489/1432, 8-9=520/1204
 WEBS 3-12=0/279, 3-11=913/589, 4-11=540/1542, 4-10=700/267, 5-10=320/518, 5-9=0/198, 6-9=37/378, 6-8=1450/700

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
 4) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 494 lb uplift at joint 2 and 338 lb uplift at joint 8.

LOAD CASE(S) Standard

MAY 04, 2006 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 L163337	Truss T10	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:42 2006 Page 1		

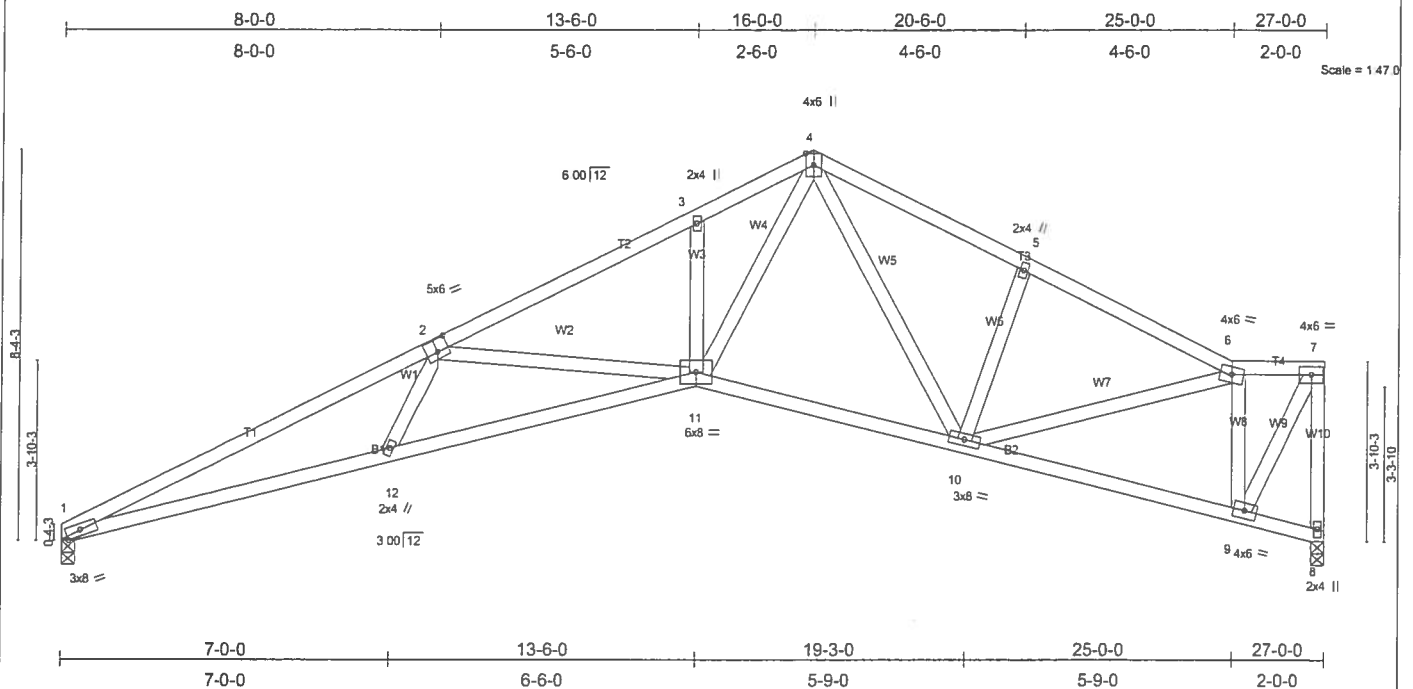


Plate Offsets (X,Y): [1:0-3-12,Edge], [2:0-3-0-0-3-4]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.81	Vert(LL)	-0.31	11-12	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.91	Vert(TL)	-0.49	11-12	>649		
BCLL 10.0	Rep Stress Incr	YES	WB 0.57	Horz(TL)	0.30	8	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 149 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-8-8 oc bracing.

REACTIONS (lb/size) 8=1122/0-3-8, 1=1122/0-3-8
 Max Horz 1=228(load case 5)
 Max Uplift 8=327(load case 5), 1=368(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-3685/1616, 2-3=-2521/1149, 3-4=-2459/1235, 4-5=-1573/814, 5-6=-1651/766, 6-7=-600/261, 7-8=-1118/478
 BOT CHORD 1-12=-1560/3323, 11-12=-1560/3187, 10-11=-549/1419, 9-10=-302/695, 8-9=-3/24
 WEBS 2-12=0/297, 2-11=-908/607, 3-11=-182/172, 4-11=-813/1763, 4-10=-107/143, 5-10=-234/238, 6-10=-352/813, 6-9=-1119/588, 7-9=-536/1235

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 8, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 327 lb uplift at joint 8 and 368 lb uplift at joint 1.

LOAD CASE(S) Standard

Job L163337	Truss T10A	Truss Type SCISSOR	Qty 2	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:43 2006 Page 1		

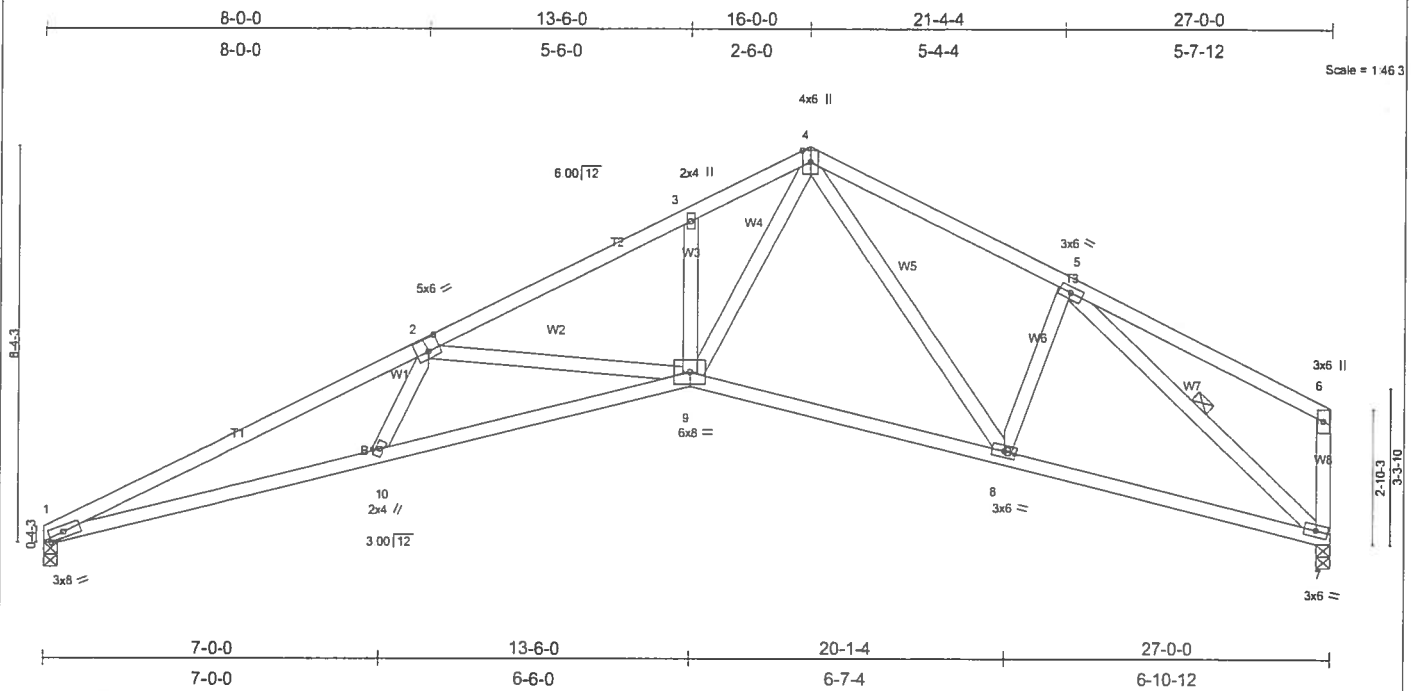


Plate Offsets (X,Y): [1:0-3-12,Edge], [2:0-3-0-3-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.91	Vert(LL) -0.30 9-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.49 9-10 >656 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.32 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 141 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-7

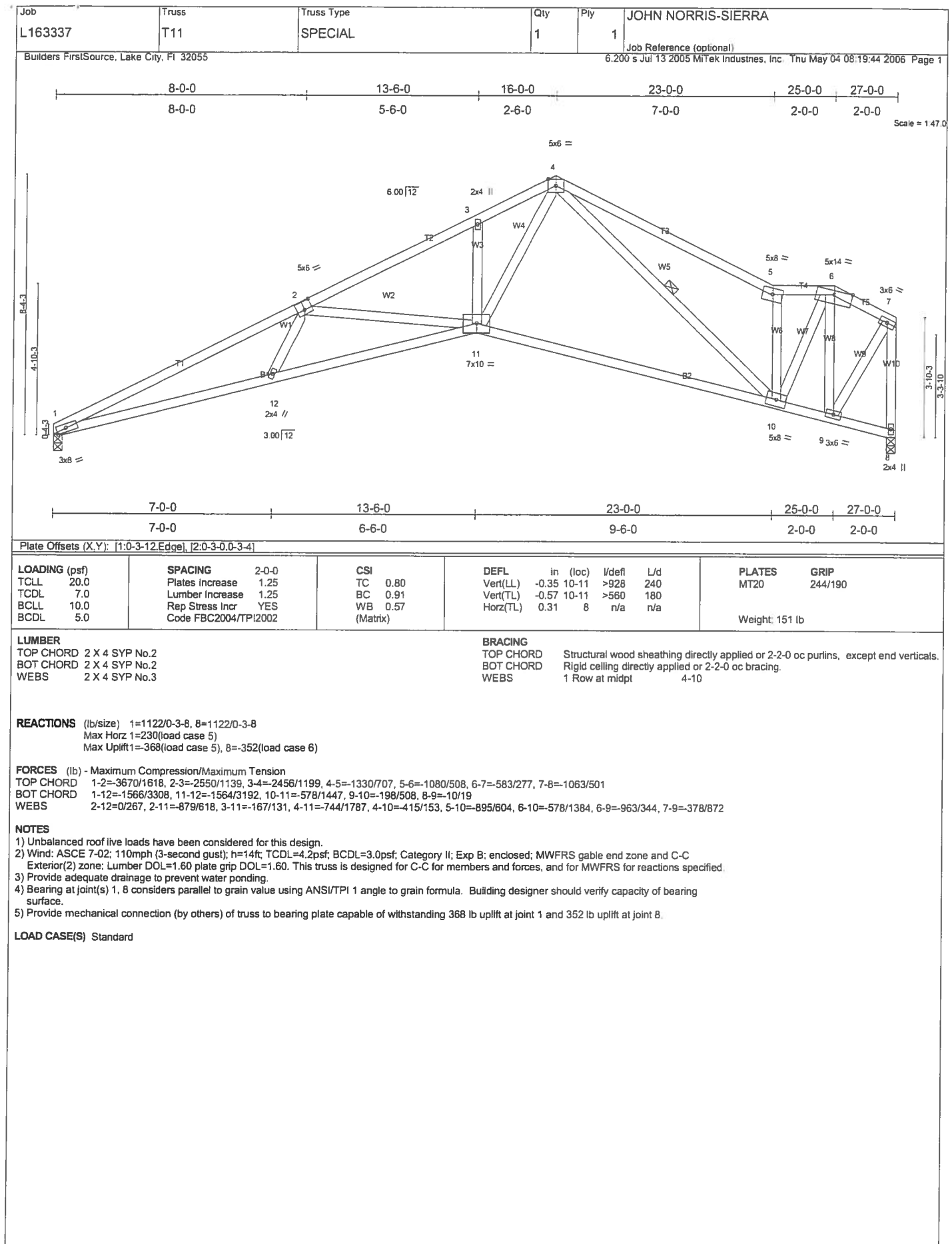
REACTIONS (lb/size) 1=1122/0-3-8, 7=1122/0-3-8
Max Horz 1=198(load case 5)
Max Uplift 1=371(load case 5), 7=347(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3683/1591, 2-3=-2526/1122, 3-4=-2457/1202, 4-5=-1548/806, 5-6=-169/127, 6-7=-194/160
BOT CHORD 1-10=-1488/3320, 9-10=-1488/3188, 8-9=-498/1424, 7-8=-544/1308
WEBS 2-10=0/292, 2-9=-903/609, 3-9=-177/159, 4-9=-765/1767, 4-8=-159/103, 5-8=0/310, 5-7=-1619/683

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 371 lb uplift at joint 1 and 347 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 04, 2006 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 L163337	Truss T12	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:45 2006 Page 1		

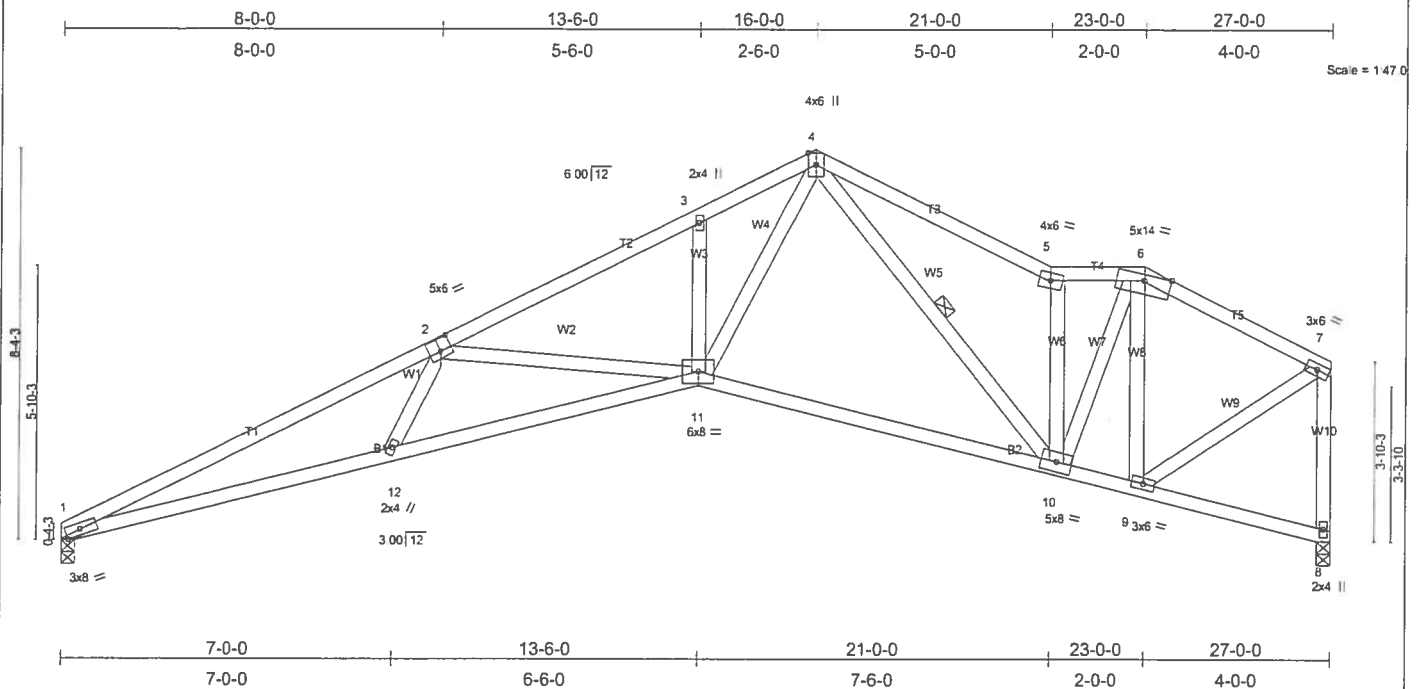


Plate Offsets (X,Y): [1:0-3-12,Edge], [2:0-3-0,0-3-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.91	Vert(LL) -0.29 11-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.47 11-12 >681 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.30 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 153 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 1=1122/0-3-8, 8=1122/0-3-8
Max Horz 1=230(load case 5)
Max Uplift 1=368(load case 5), 8=352(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3678/1614, 2-3=-2535/1143, 3-4=-2465/1222, 4-5=-1485/792, 5-6=-1252/622, 6-7=-986/457, 7-8=-1062/506
BOT CHORD 1-12=-1561/3316, 11-12=-1561/3189, 10-11=-557/1427, 9-10=-352/862, 8-9=-16/41
WEBS 2-12=0/283, 2-11=-894/610, 3-11=-175/156, 4-11=-792/1789, 4-10=-235/71, 5-10=-815/498, 6-10=-440/1066, 6-9=-710/314, 7-9=-407/974

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 1 and 352 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L163337	Truss T13	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:45 2006 Page 1		

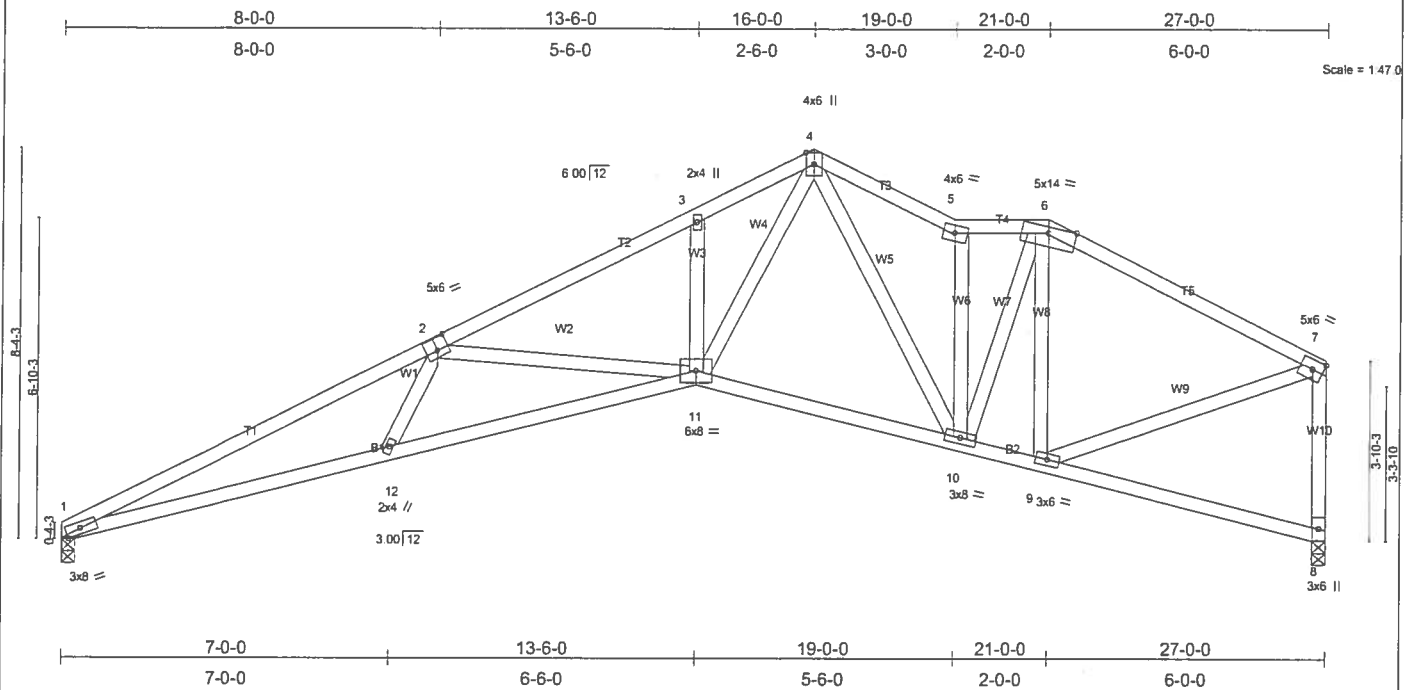


Plate Offsets (X,Y): [1:0-3-12,Edge], [2:0-3-0-0-3-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.81	in (loc) I/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.91	Vert(LL) -0.30 11-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.49 11-12 >657 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.30 8 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 155 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 1=1122/0-3-8, 8=1122/0-3-8
Max Horz 1=230(load case 5)
Max Uplift 1=-368(load case 5), 8=-352(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3683/1610, 2-3=-2525/1143, 3-4=-2464/1233, 4-5=-1516/815, 5-6=-1325/686, 6-7=-1253/575, 7-8=-1043/514
BOT CHORD 1-12=-1558/3321, 11-12=-1558/3187, 10-11=-544/1417, 9-10=-441/1079, 8-9=-35/80
WEBS 2-12=0/294, 2-11=-905/606, 3-11=-177/179, 4-11=-818/1778, 4-10=-140/134, 5-10=-678/359, 6-10=-301/756, 6-9=-477/280, 7-9=-425/1064

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 1 and 352 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L163337	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:46 2006 Page 1		

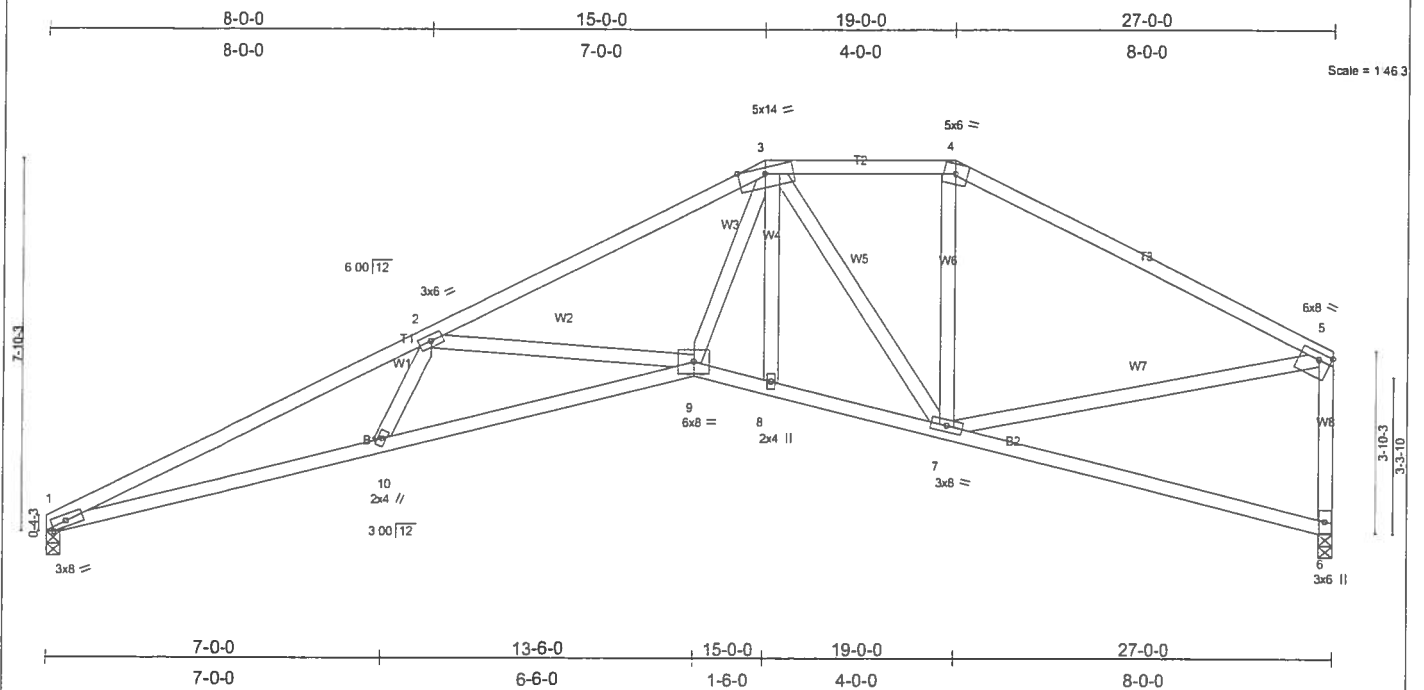


Plate Offsets (X,Y): [1:0-3-12,Edge], [5:Edge,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.96	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.90	Vert(LL) -0.31 9-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.65	Vert(TL) -0.50 9-10 >645 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.30 6 n/a n/a		
	Code FBC2004/TP12002			Weight: 145 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-14 oc bracing.

REACTIONS (lb/size) 1=1122/0-3-8, 6=1122/0-3-8
Max Horz 1=223(load case 5)
Max Uplift 1=-364(load case 5), 6=-327(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

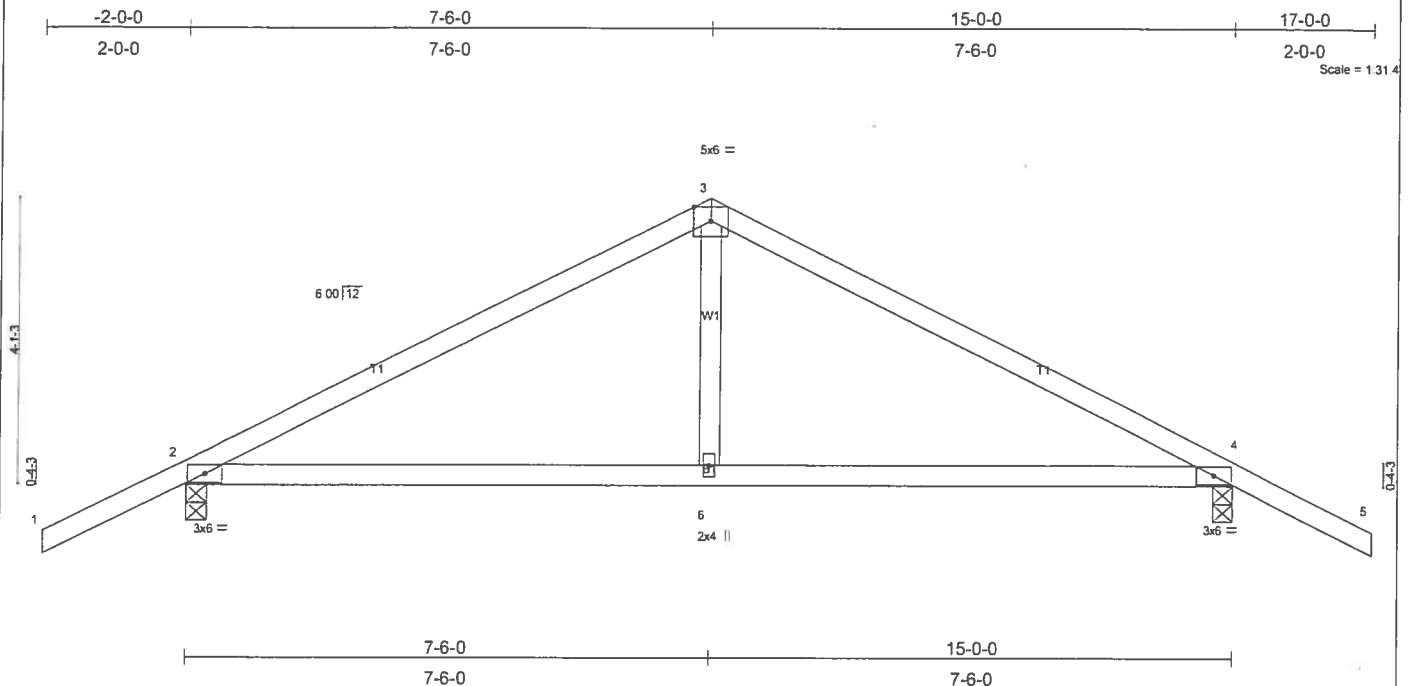
TOP CHORD 1-2=-3701/1611, 2-3=-2490/1104, 3-4=-1184/653, 4-5=-1413/633, 5-6=-1024/523
BOT CHORD 1-10=-1561/3339, 9-10=-1563/3202, 8-9=-666/1692, 7-8=-680/1679, 6-7=-71/142
WEBS 2-10=0/298, 2-9=-951/664, 3-9=-605/1546, 3-8=-31/6, 3-7=-842/353, 4-7=-48/361, 5-7=-395/1089

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 1 and 327 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L163337	Truss T15	Truss Type COMMON	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:47 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.39	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.44	Vert(LL) -0.10 4-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.09	Vert(TL) -0.15 4-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 4 n/a n/a		
	Code FBC2004/TPI2002			Weight: 59 lb	

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

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

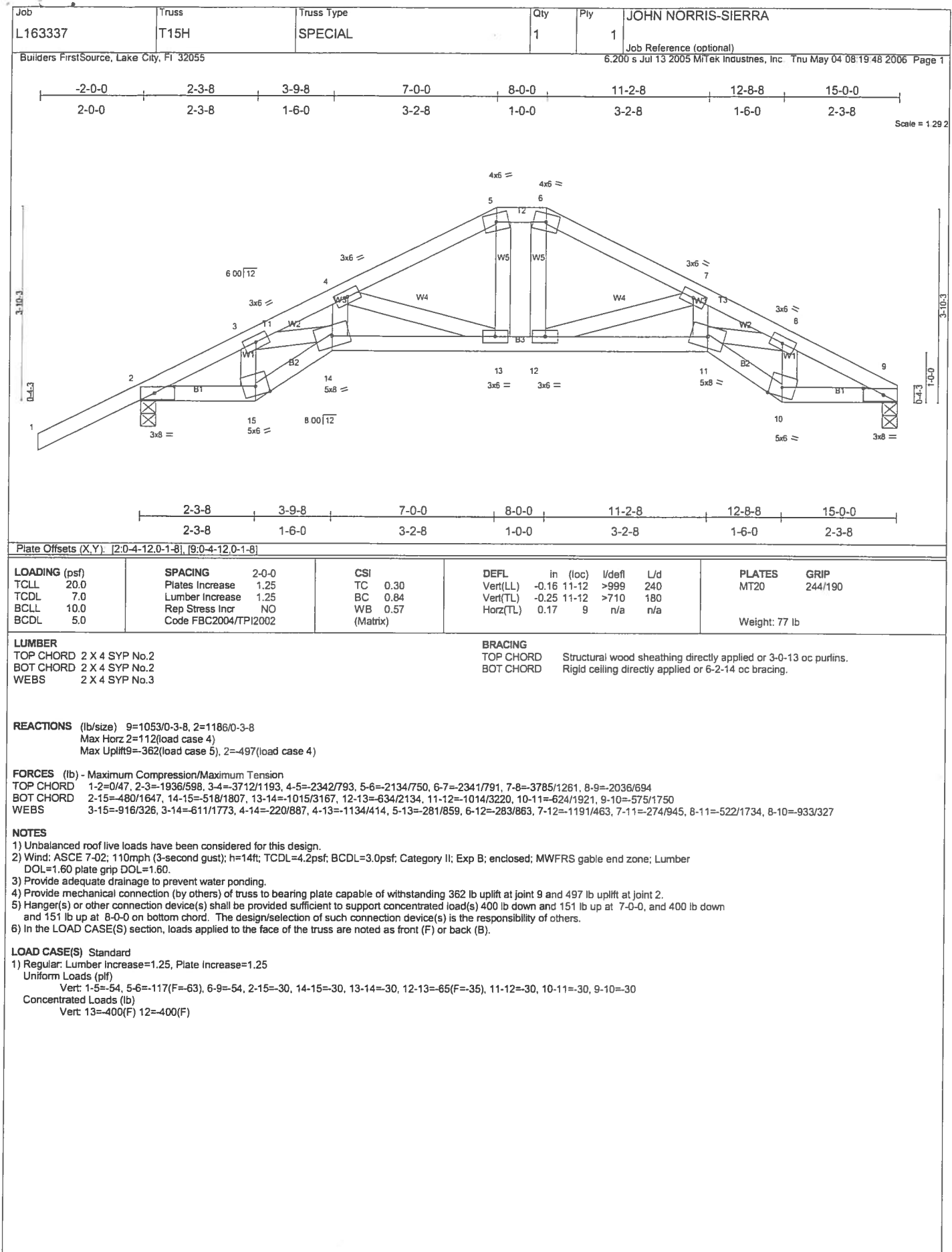
REACTIONS (lb/size) 2=734/0-3-8, 4=734/0-3-8
 Max Horz 2=-91(load case 6)
 Max Uplift 2=-328(load case 5), 4=-328(load case 6)

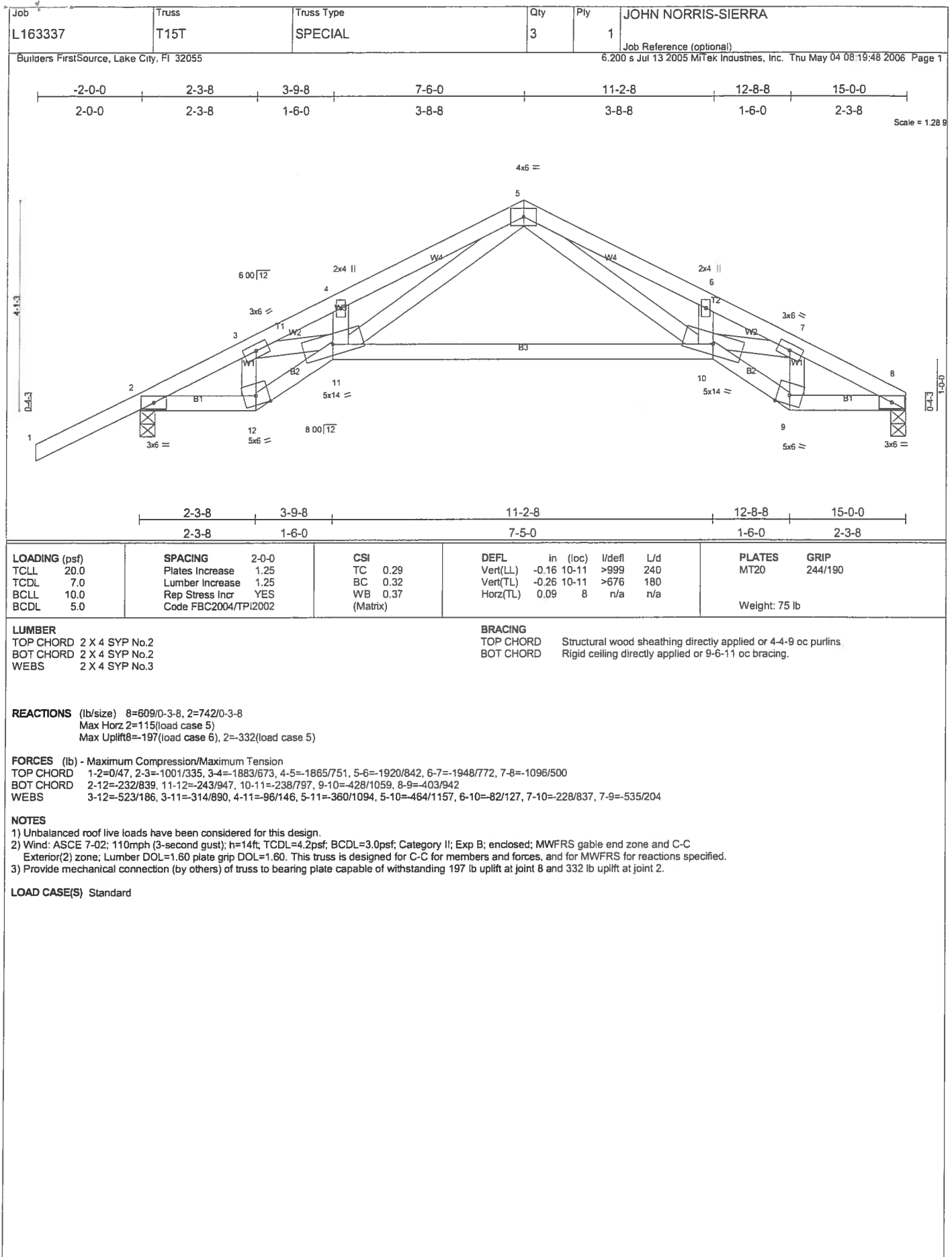
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-862/338, 3-4=-862/338, 4-5=0/47
 BOT CHORD 2-6=-124/695, 4-6=-124/695
 WEBS 3-6=0/272

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 328 lb uplift at joint 2 and 328 lb uplift at joint 4.

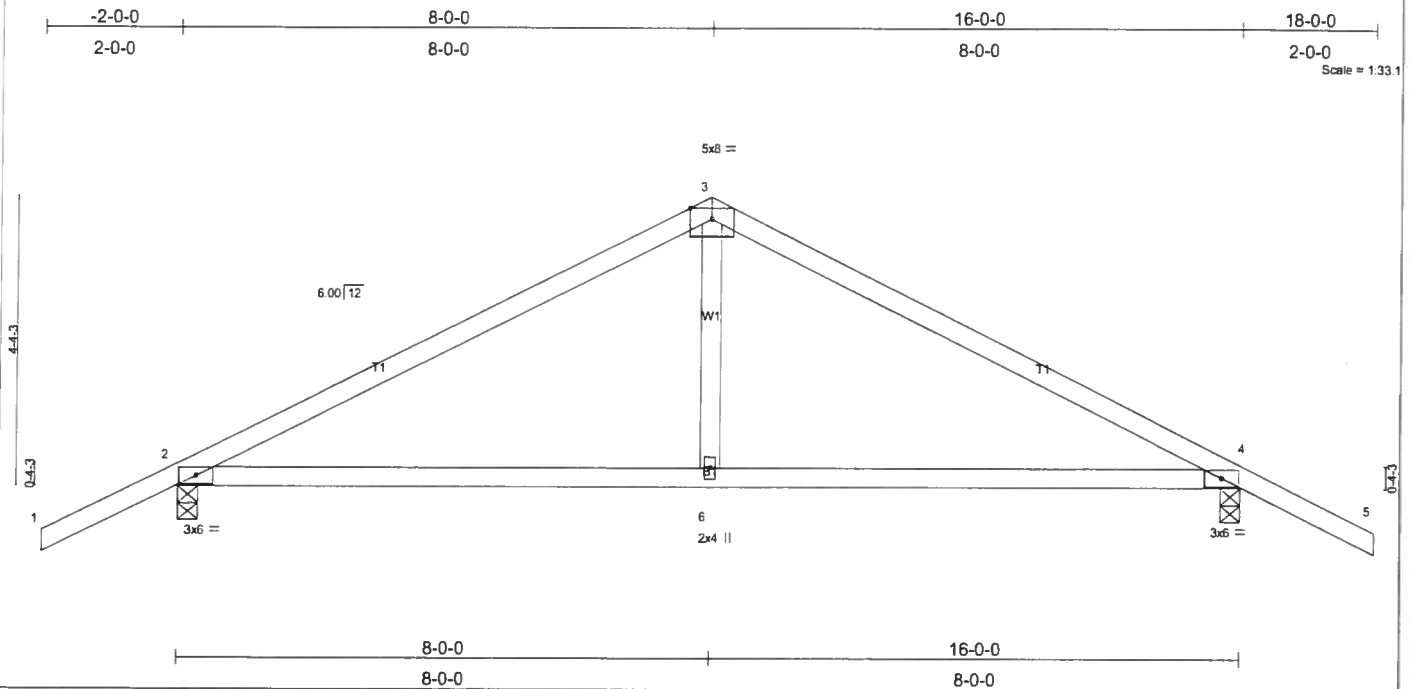
LOAD CASE(S) Standard





MAY 04, 2006 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 L163337	Truss T17	Truss Type COMMON	Qty 2	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:19:50 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.55	Vert(LL) 0.24 4-6 >779 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.14	Vert(TL) -0.20 4-6 >925 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 4 n/a n/a		
	Code FBC2004/TPI2002			Weight: 63 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-0 oc bracing.

REACTIONS (lb/size) 2=776/0-3-8, 4=776/0-3-8
 Max Horz 2=94(load case 5)
 Max Uplift 2=539(load case 5), 4=539(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=930/981, 3-4=930/981, 4-5=0/47
 BOT CHORD 2-6=-689/752, 4-6=-689/752
 WEBS 3-6=-489/295

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; 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
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 539 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L163337	Truss T18	Truss Type MONO HIP	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:51 2006 Page 1		

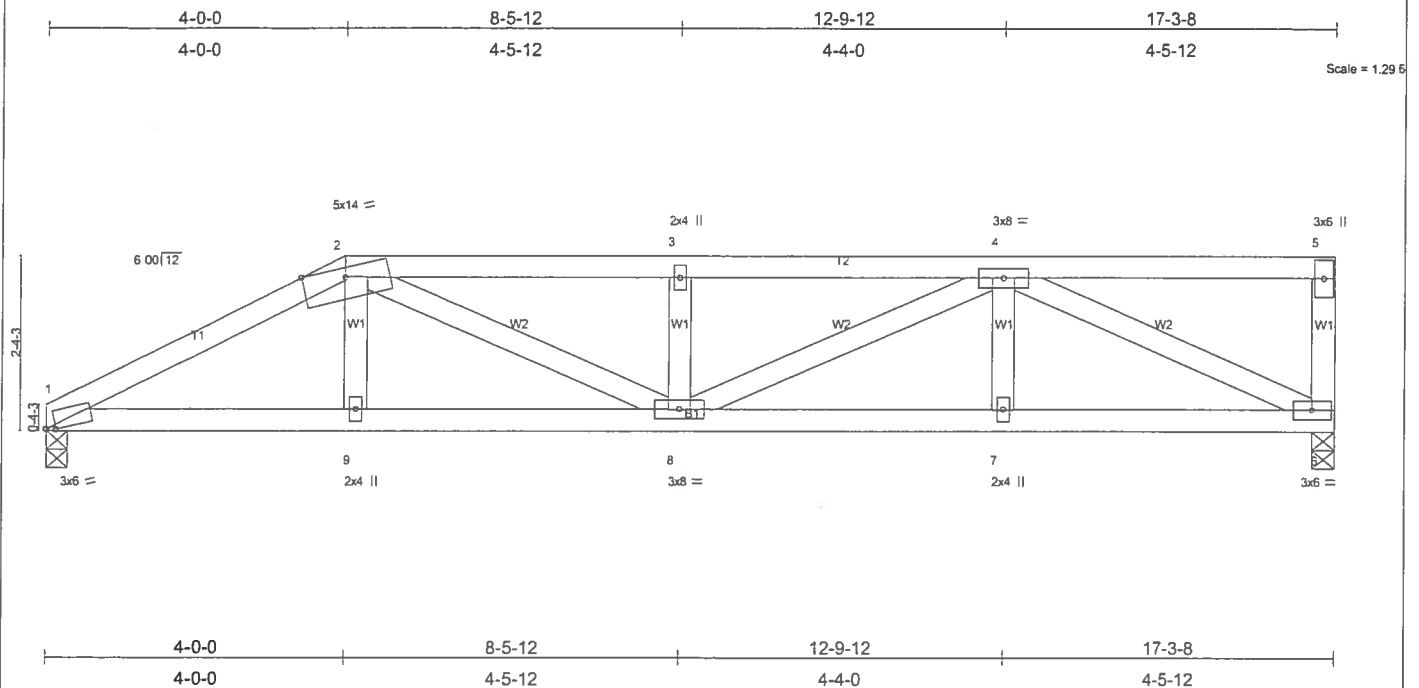


Plate Offsets (X,Y): [1:0-1-9,0-0-7]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.44	Vert(LL) 0.11 7-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.72	Vert(TL) -0.16 7-8 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.05 6 n/a n/a		
	Code FBC2004/TPI2002				Weight: 82 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purtins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-1-14 oc bracing.

REACTIONS (lb/size) 1=998/0-3-8, 6=1029/0-3-8
 Max Horz 1=95/(load case 4)
 Max Uplift 1=-565/(load case 3), 6=-641/(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1884/1089, 2-3=-2237/1382, 3-4=-2236/1382, 4-5=-99/62, 5-6=-169/127
 BOT CHORD 1-9=-993/1640, 8-9=-1004/1662, 7-8=-1052/1693, 6-7=-1052/1693
 WEBS 2-9=-160/306, 2-8=-447/632, 3-8=-334/263, 4-8=-365/601, 4-7=-67/171, 4-6=-1764/1096

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B: enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 565 lb uplift at joint 1 and 641 lb uplift at joint 6.
- 4) Girder carries hip end with 0-0-0 right side setback, 4-0-0 left side setback, and 4-0-0 end setback.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 72 lb up at 4-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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: 1-2=-54, 2-5=-77(F=-23), 1-9=-30, 6-9=-43(F=-13)
 Concentrated Loads (lb)
 Vert: 9=-140(F)

Job L163337	Truss T19	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-SIERRA
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:19:51 2006 Page 1		

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.50	Vert(LL)	0.15	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.37	Vert(TL)	0.12	4-5	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.75	Horz(TL)	0.02	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 83 lb										

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 5-10-3 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 7=714/0-3-8, 4=714/0-3-8
 Max Horz 7=-141(load case 6)
 Max Uplift 7=-473(load case 3), 4=-419(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-7=-627/653, 1-2=-929/1043, 2-3=-929/1043, 3-4=-1175/1214
 BOT CHORD 6-7=0/106, 5-6=-1017/997, 4-5=-1000/987
 WEBS 1-6=-1113/992, 2-6=-294/222, 3-6=-771/147, 3-5=-350/207

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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) Provide adequate drainage to prevent water ponding.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 473 lb uplift at joint 7 and 419 lb uplift at joint 4.

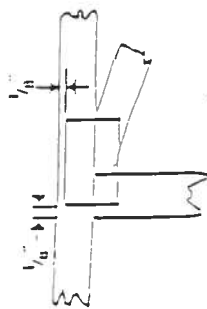
LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



* For 1 x 2 orientation locate plates 1/8" from outside edge of truss and vertical web.



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

PLATE SIZE

$l \times w$

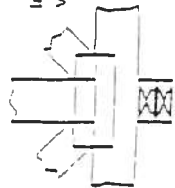
The first dimension is the width perpendicular to slats. Second dimension is the length parallel to slats.

LATERAL BRACING



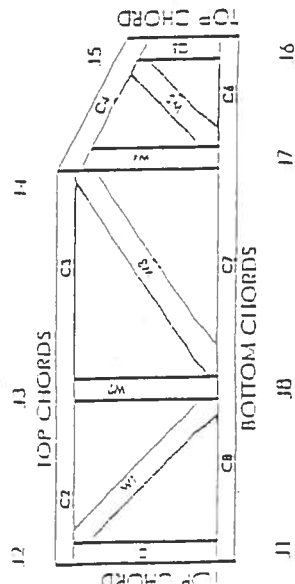
Indicates location of required continuous lateral bracing.

BEARINGS



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT.

CONNECTOR PLATE CODE APPROVALS

BOCA	96.31, 96.67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DITIR	960022 W, 970036 H
IIR	561



Mitek Engineering Reference Sheet: H11-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and waste at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (1/8" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4611.

TAMKO Roofing Products, Inc.



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

out swing

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

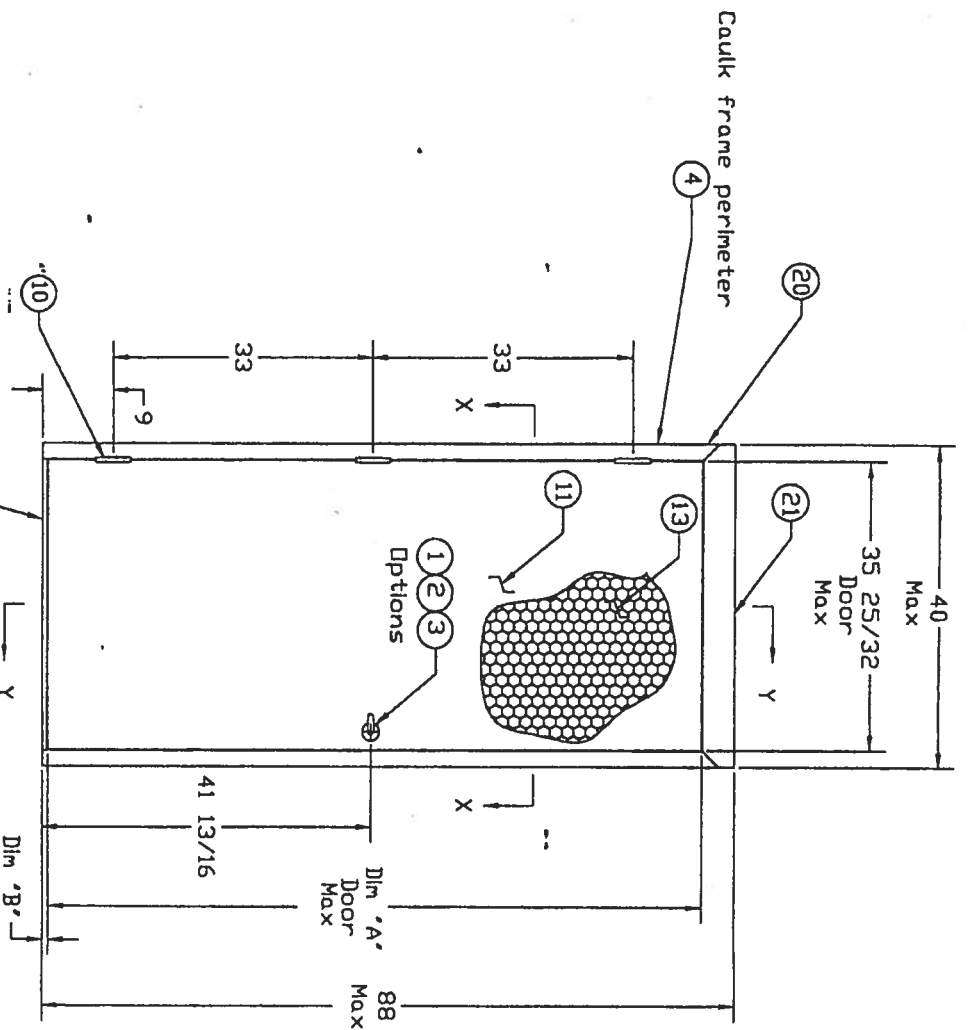
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

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



NOA No 03-0411.01
Expiration Date August 14, 2008
Approval Date: May 15, 2003
Page 1



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

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

Caulk Underneath Threshold

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

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

PRODUCT FINISHED
as complying with the Florida
Building Code
Acceptance No. 03-041-01
Expiration Date: 03/31/08
By: *Michael J. Smith*
National Code Product Control

3-0 x 7-0 Series
Elevation Drawing

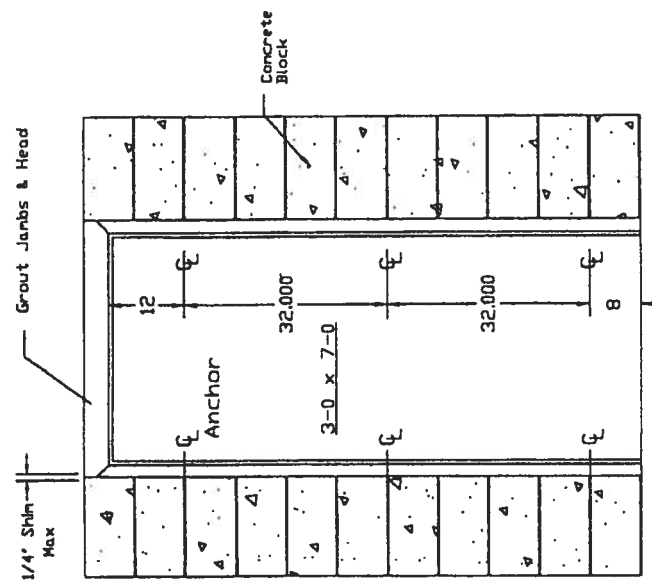
CECD DOOR PRODUCTS
Milton, Tennessee 38358

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *08/08/00*
BY: *Michael J. Smith*
PRODUCED CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0315-03*

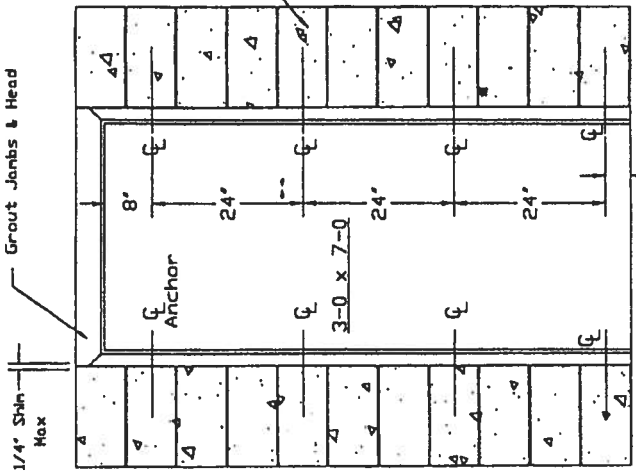
Revised Format, Transferred
Information from NDA
7/22/97
Deleted CD Drawings
and
Revised Sheet Numbers

ISSUE
DRAWN BY: GWS
DATE: 5/30/97

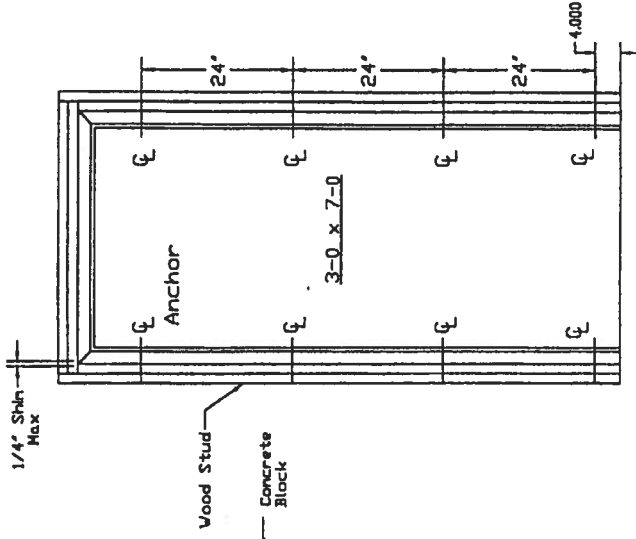
DRAWING NUMBER:
RD0087
Sheet 1 of 7



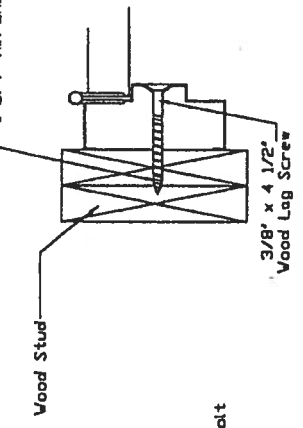
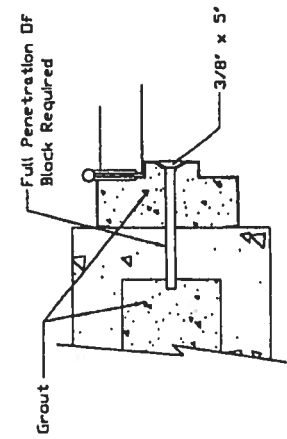
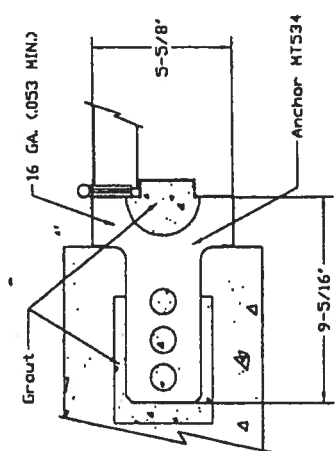
Masonry "T" Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud



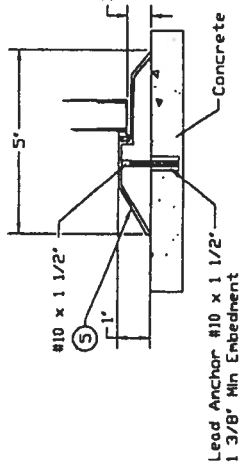
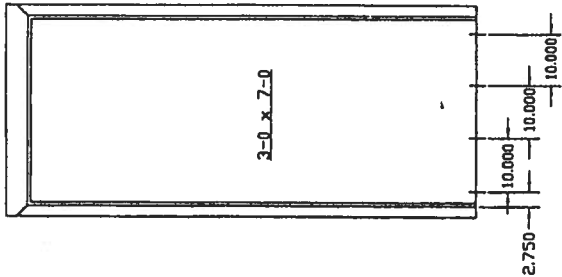
NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-04(1.0)
Expiration Date 06-14-2008
By *Shane Davis*
Atty/Code Product Control
Division

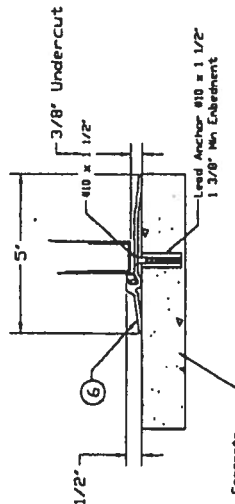
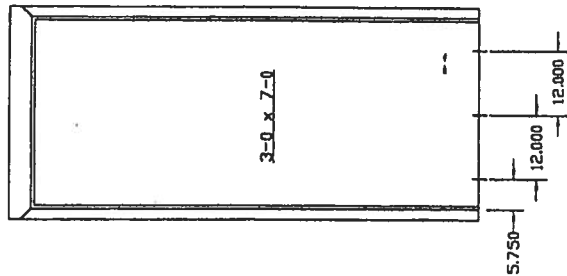
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08, 2008*
BY *Shane Davis*
PRODUCT CONTROL DIVISION
BUILDING-CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

B 2/21/04	A 7/22/97	GWS	Revised Format, Transferred Information from NOA	REVISIONS	ISSUE	DRAWN BY: GWS	DATE: 5/30/97	DRAWING NUMBER: RD0087	Sheet 2 of 7

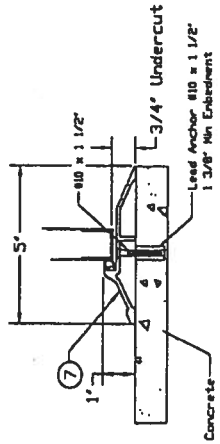
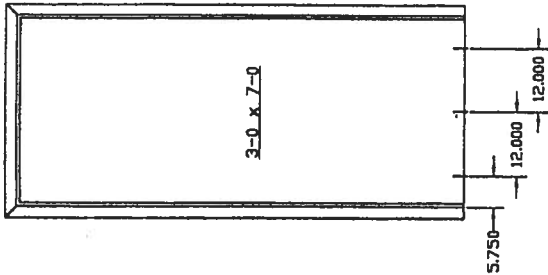
Frame Anchor
Installation Details
CECO DOOR PRODUCTS
Millen, Tennessee 38358



Threshold: National Guard 803S

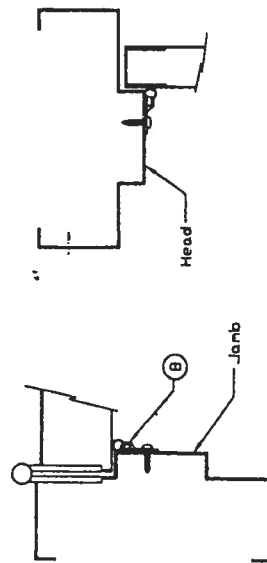


Threshold: Penko 2005AV



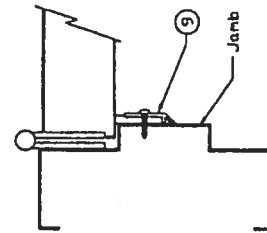
Threshold: Penko 181AX

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



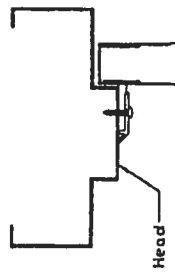
Weatherstrip: Penko 303AS

NOTE:
2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4\"/>



Weatherstrip: National Guard 130NA

NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4\"/>



MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details

NOTE: 4. See Sheet 7 For Bill of Material

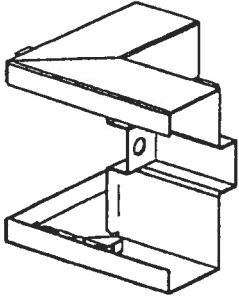


Milwaukee, Tennessee 38358

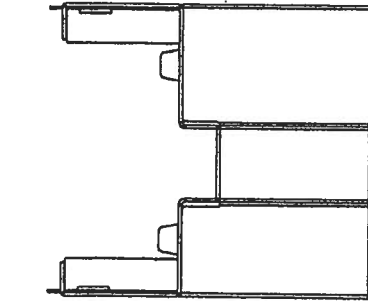
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 08/18/2008
By: *[Signature]*
Miami/Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 08/2000*
BY: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

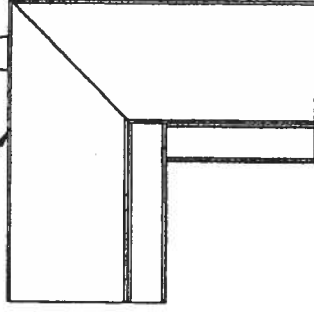
C	Revised Format, Transferred Information from RDA
2/24/04	7/22/97
7/22/97	7/22/97
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
RD0087	
Sheet 3 of 7	



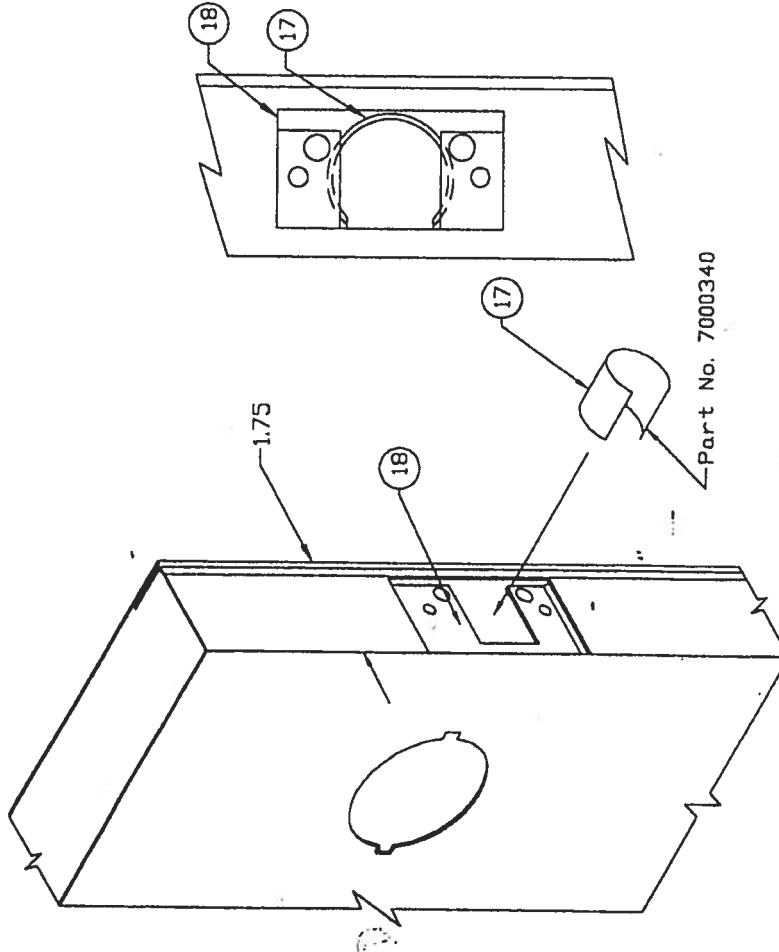
Interlocking Fold Over Tab



Frame Head



Frame Jamb



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

MATERIAL SPECIFICATIONS:

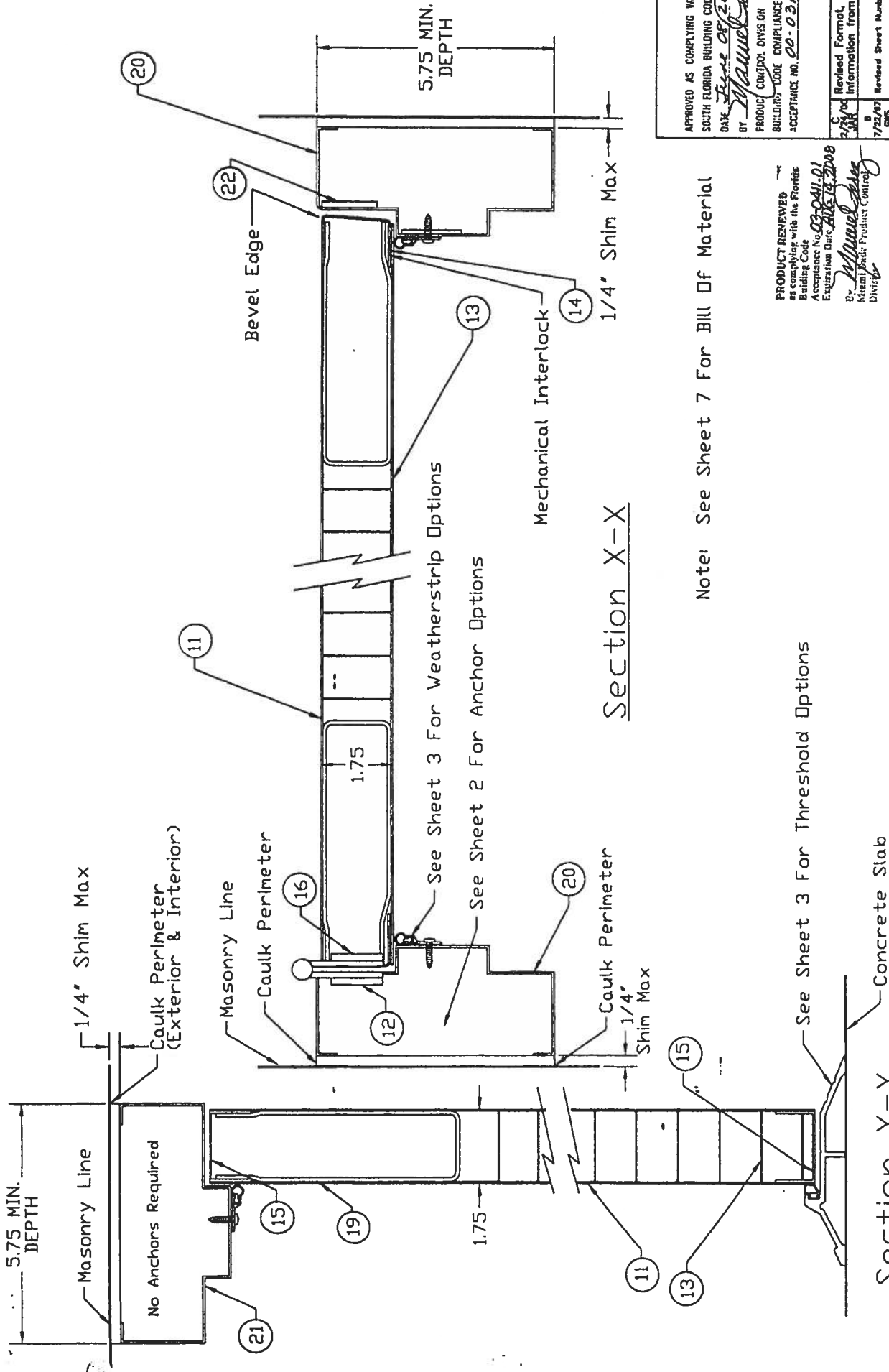
Cylindrical Lock Reinforcement
and "SF" Series Frame Corner
Installation Details

 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358

PRODUCT REVIEWED
As complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date June 12, 2008
By M. M. Davis
Hazardous Waste Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY M. M. Davis
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0311-03

B 2/24/04	Revised Format, Transferred Information from NOA
A 7/25/99	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/06/97
DRAWING NUMBER: RD0087	
Sheet 4 of 7	



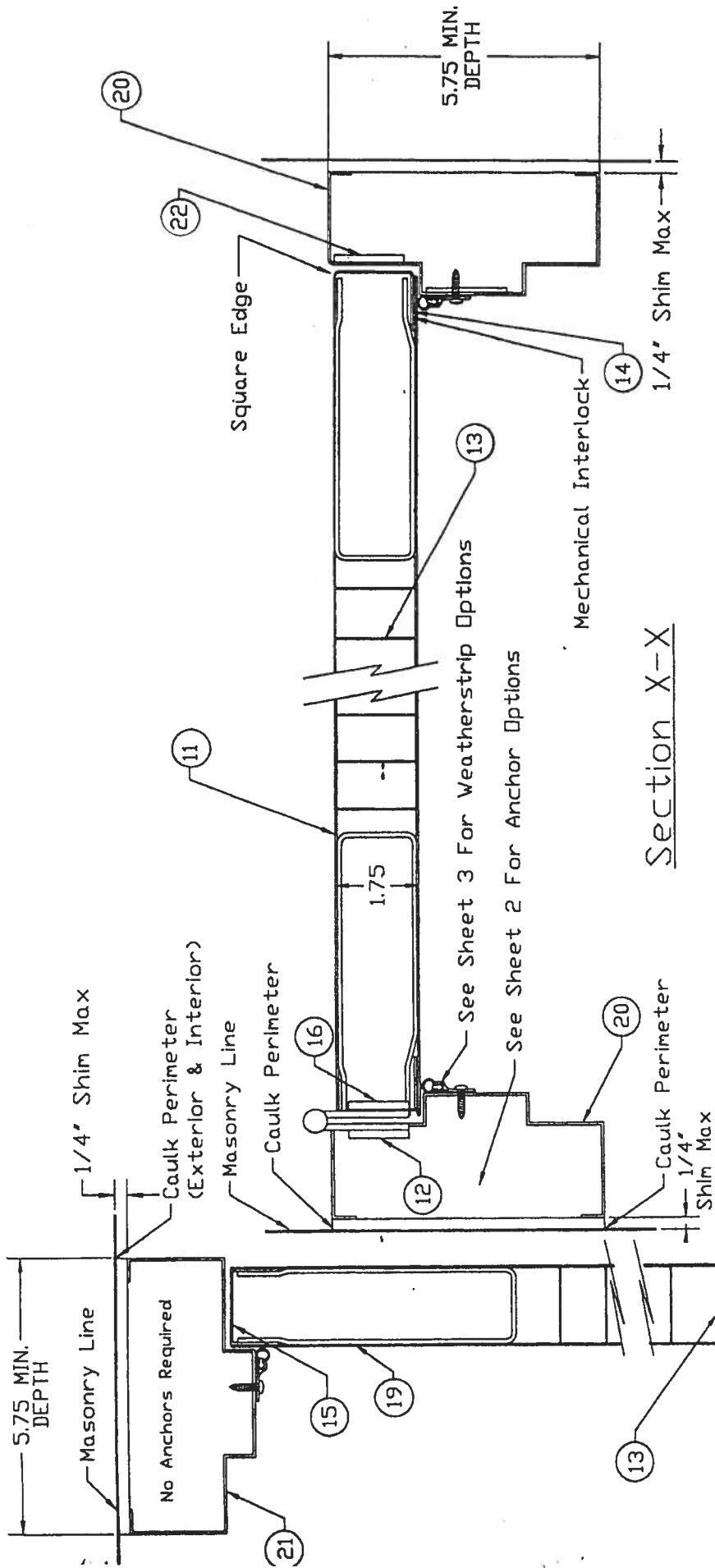
Note: See Sheet 7 For Bill Of Material

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-041-01
Expiration Date 06-19-2008
By: *Michael J. [Signature]*
Miami Code Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 08, 2000*
BY: *Michael J. [Signature]*
FEDONIC CONSULTING DIVISION
BUILDING CODE COMPLIANCE OFFICE
-ACCEPTANCE NO. 00-0315-03

2/2/97	Revised Form, Transferred Information from NOA
7/2/97	Revised Sheet Number

MATERIAL SPECIFICATIONS:	Cross Section View	
	Regent Door	
	CECO DOOR PRODUCTS Milan, Tennessee 38358	
ISSUE		REVISIONS
DRAWN BY:	GWS	DATE: 5/30/97
DRAWING NUMBER:		RD00087
		Sheet 5 of 7



Note: See Sheet 7 For Bill Of Material

PRODUCT REVIEWED
is complying with the Florida
Building Code
Acceptance No. 03-041-01
Expiration Date 12/15/08
By: *Manuel Sosa*
Miami/Dade Product Control
Division

See Sheet 3 For Threshold Options

Concrete Slab

Section Y-Y

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: <i>Sept 08, 2000</i> BY: <i>Manuel Sosa</i> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <i>00-0315-03</i>		Revised Form, Transferred Information from NOA 7/22/07 Revised Sheet Number	
ISSUE		REVISIONS	
DRAWN BY: CWS		DATE: 5/30/97	
DRAWING NUMBER: RD0087		Sheet 6 of 7	

MATERIAL SPECIFICATIONS:	Cross Section View Omega Door
	CECO DOOR PRODUCTS Milan, Tennessee 38358

ITEM QTY	DESCRIPTION	MATERIAL	SIZE
1 1	SCHLAGE SERIES A53PD GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2 1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3 1	YALE SERIES A53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
4 1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5 1	NATIONAL GUARD #803S		
6 1	PERKO #2005AV		
7 1	PERKO #181AV		
8 1 ROW	PERKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TM) BULB INSERT		
9 1 ROW	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
10 3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE		
11 1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=36,000 psi)	18 GAUGE (.042" MIN. THICK) 1-1/4" X 9" X 7 GA.
12 3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	
13 1	CORE FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14 1	DEFLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15 1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA (.053" MIN)
16 3	DOOR HINGE REINFORCEMENT	1-1/4" X 9" X 7 GA.	
17 1	DOOR LATCH REINFORCEMENT	.015" THICK X 1.313 INSIDE DIAMETER	
18 1	DOOR LOCK REINFORCEMENT	16 GA. (.093")	
19 1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	12 GA. (.093")	
20 2	SERIES "SF", FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET, CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN) STEEL	2" FACE, 5-3/4" DEPTH MIN.
21 1	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22 1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>June 08, 2000</u> BY <u>Maunel</u> PRODUCT COMPL. DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-03 A-03</u>		Revised Format, Transferred Information from NOA 7/22/97 GWS
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <u>03-0411-01</u> Expiration Date <u>Aug 14, 2008</u> By <u>Maunel</u> Division		Revised Sheet Number 7/22/97 GWS
MATERIAL SPECIFICATIONS:		ISSUE DRAWN BY: GWS DATE: 6/02/97 REVISIONS
3-0 x 7-0 Series Bill Of Materials		DRAWING NUMBER: RD0087 Sheet 7 of 7
 CECO DOOR PRODUCTS Milan, Tennessee 38358		



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

in swing

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

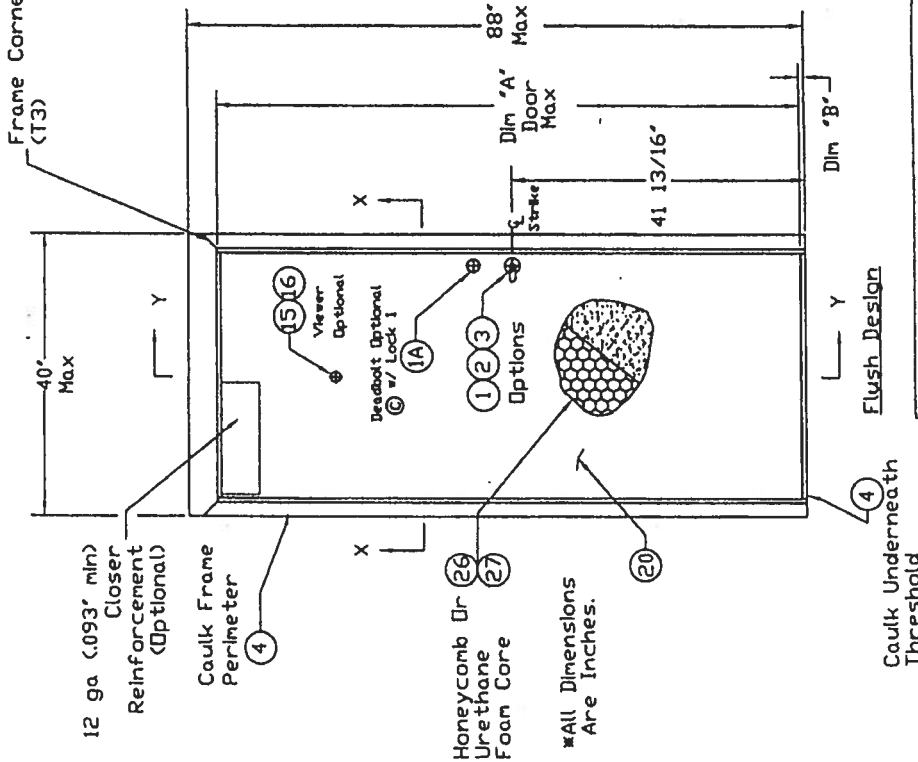
This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1

Frame Corners Welded (T3)



⚠ All Dimensions Are Inches.

In-Swing Door (Exterior View)

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

Approved as complying with the Florida Building Code
 Date: 02/04/04
 NOA: 02-0807-04
 Division: Structural
 By: [Signature]

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

Notes:

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

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

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

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-8	Cross Section View
Sheet 9	Bill Of Material

REVISIONS	DATE
9 Revised Per Marked-Up Drawings From Ishag Charde.	10/10/02
10 Revised Per Marked-Up Drawings From Ishag Charde.	8/29/02

ISSUE	REVISIONS	DATE
LT	LT	5/22/02

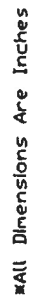
DRAWING NUMBER: RD0728
 Sheet 1 of 9

Min. 3500 PSI

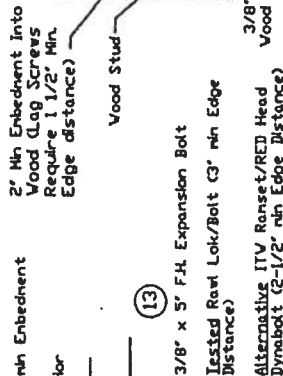
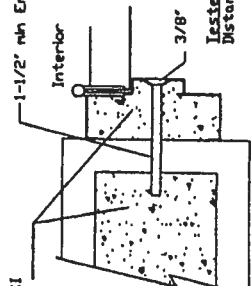
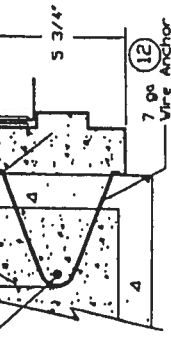
Min. 3500 PSI

Min. 3500 PSI

Existing Opening Anchor Into Wood Stud



COMING / COMING AT



Approved as complying with the
Florida Building Code
Date 06/31/2002
NOAH 02-0207-04
Miami Trade Product Control
Division
By Shos J. Chaudh

A 2/2/02 LT	Revised Per Marked -Up Drawings From Ishaq Chanda.
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ISSUE	REVISIONS	
DRAWN BY: LT	DATE: 5/22/02	

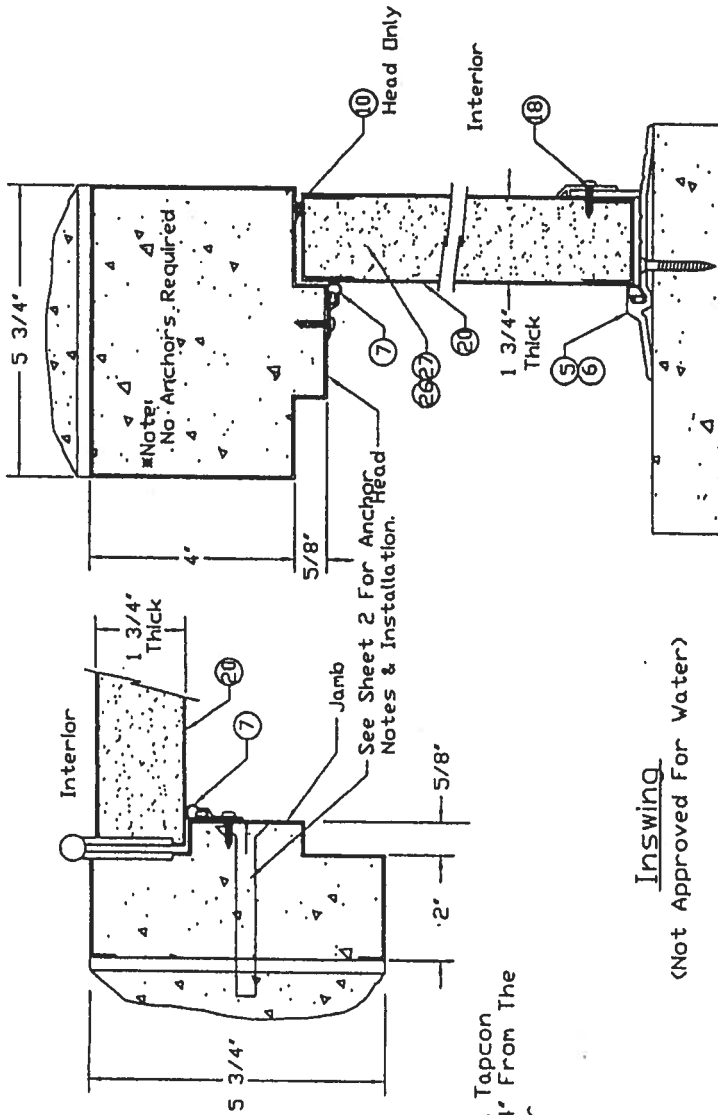
DRAWING NUMBER:
RD0728

Sheet 2 of 9

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

CECO DOOR PRODUCTS
Millan, Tennessee 38358

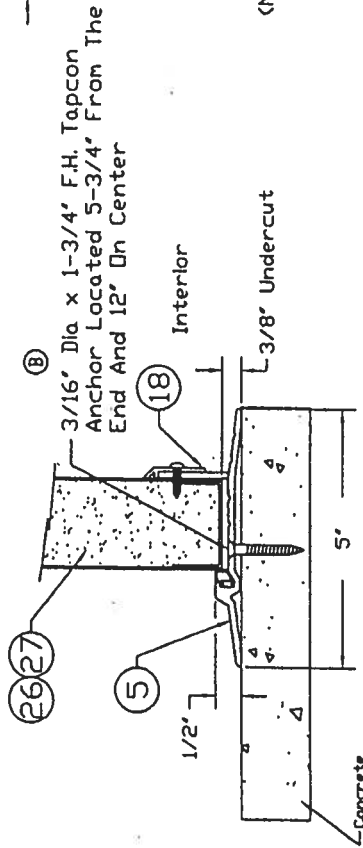
*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load Imposed And Must Be Reviewed By Building Official.



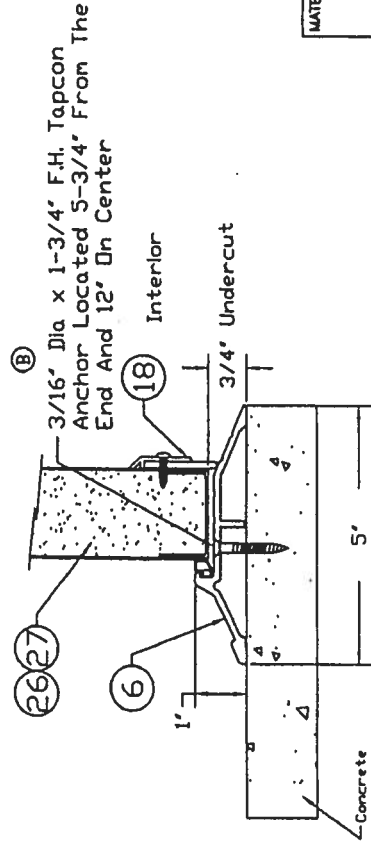
Section Y-Y

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold: Penko 2005AV



Threshold: Penko 181AV

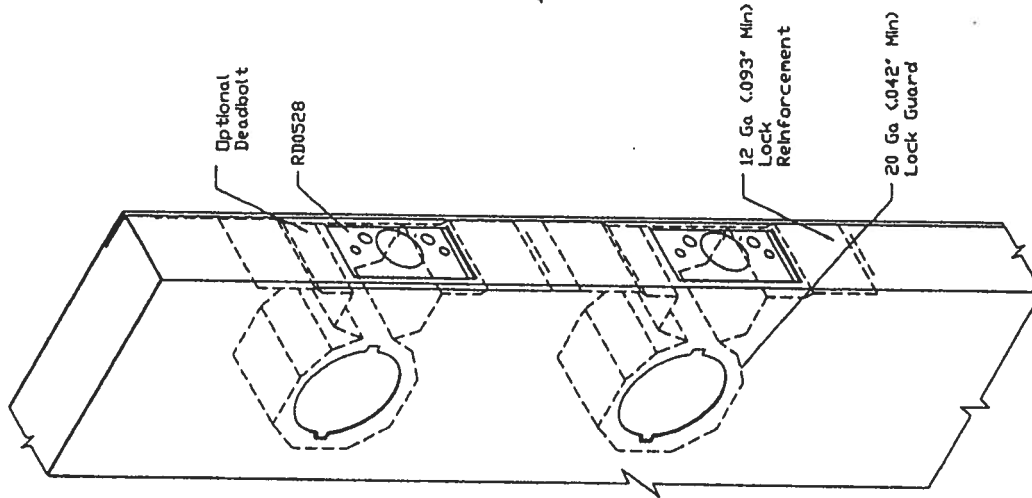
Approved as complying with the
Florida Building Code
Date: OCT 31 2002
NOA# 02-030704
Miami Dade Product Control
Division
By: [Signature]

REVISIONS		DATE	
ISSUE	REVISIONS	DATE	
1	Revised Per Marked-Up Drawings From Ishag Chanda	LT	5/22/02
2	Revised Per Marked-Up Drawings From Ishag Chanda	LT	
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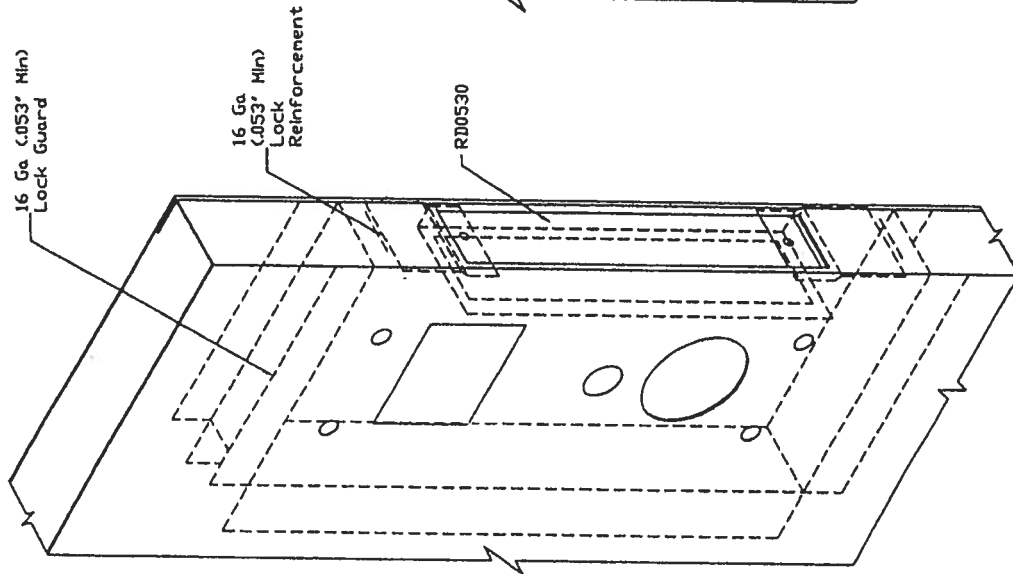
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

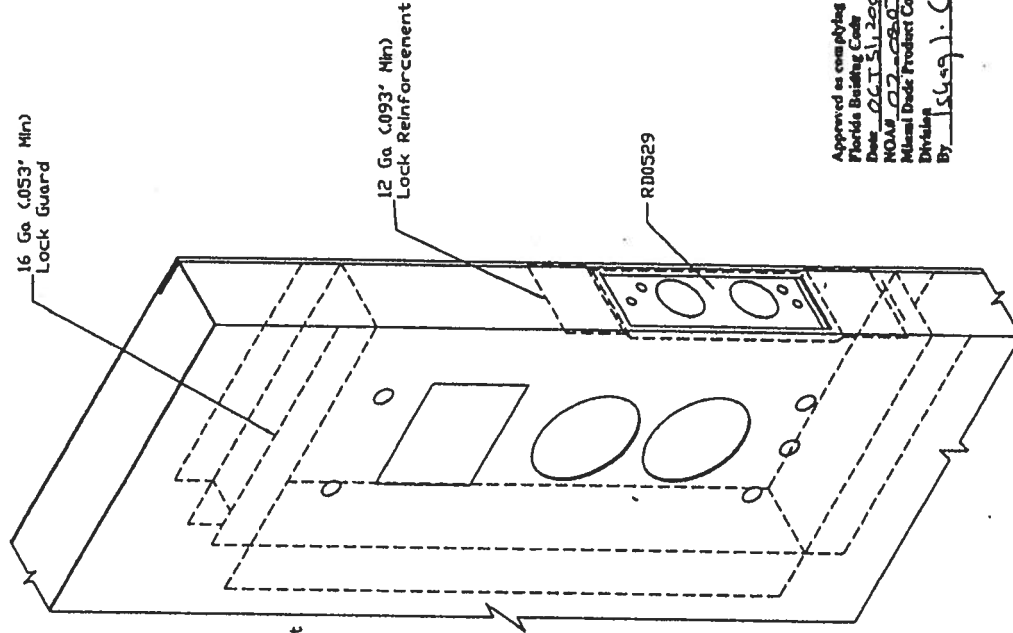
RD0728
Sheet 3 of 9



Schlage AL53PD



Saflok MT



Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date: 06/15/2002
NOAA 012-08-01-04
Manual Trade Product Control
Division
By: [Signature]

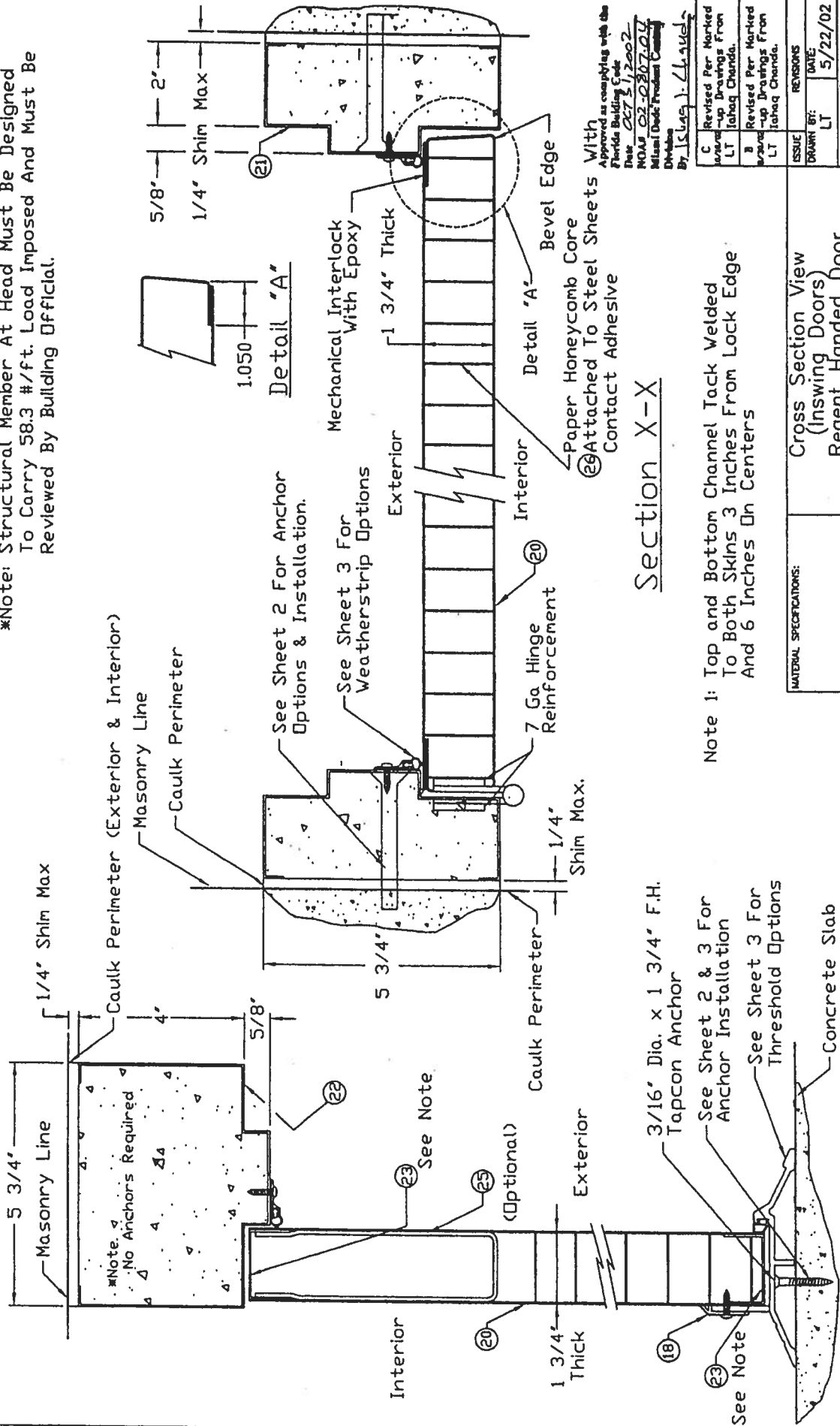
A	1/28/02	Added RD0528, RD0529 & RD0530.	
		ISSUE	REVISIONS
DRAWN BY: LT		DATE: 5/28/02	RD0728 Sheet 4 of 9
DRAWING NUMBER:			

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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



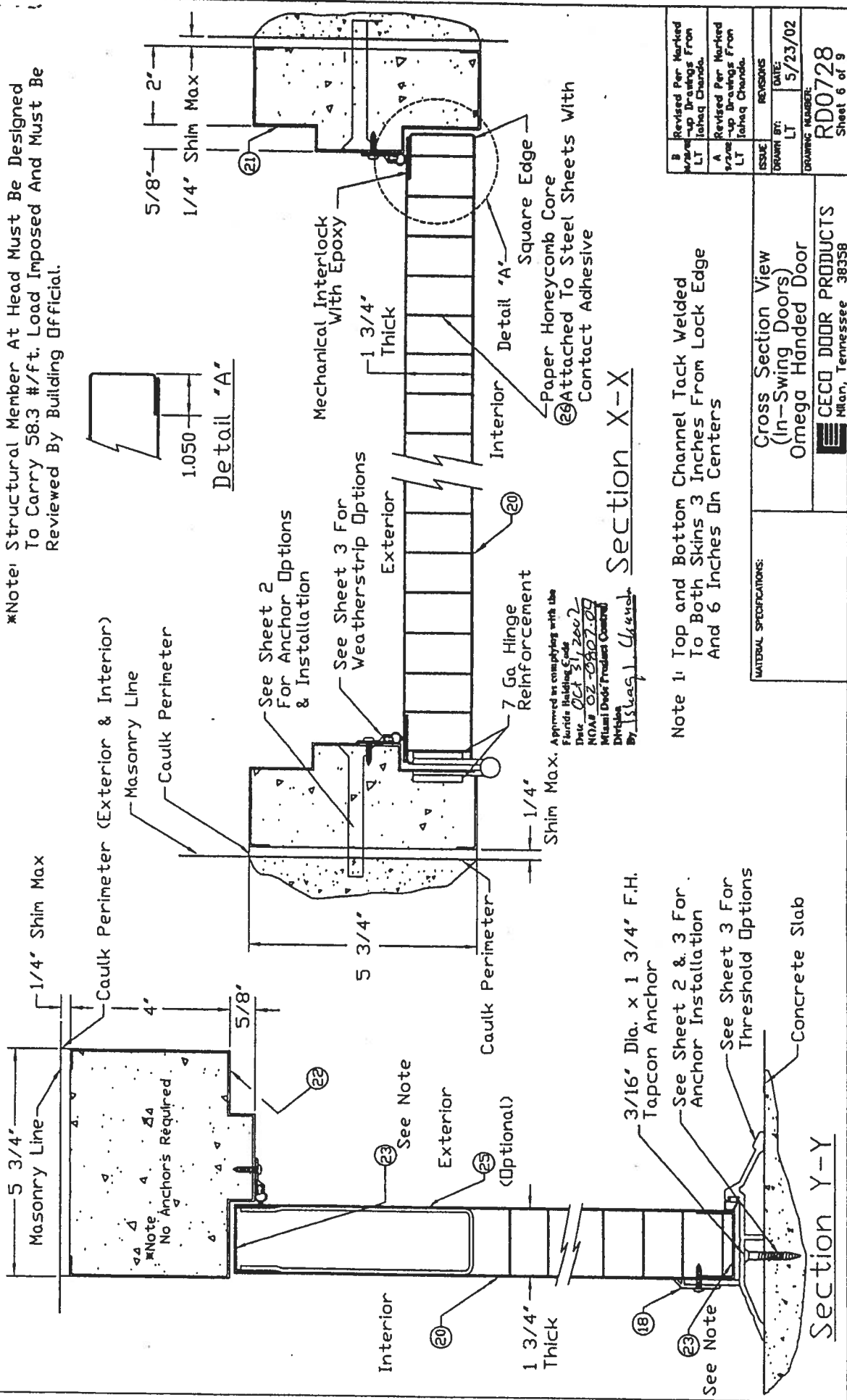
Section X-X

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

MATERIAL SPECIFICATIONS:		Cross Section View (inswing doors)
Regent Handed Door		
CECO DOOR PRODUCTS		
Milan, Tennessee 38358		

Approved as complying with the Florida Building Code
 Date: OCT 31, 2002
 MOA: 02-0807-04
 Miami Dade Product Council
 Division
 By: [Signature]

C Revised Per Marked w/rev-up Drawings From LT Ishaq Chandra.	
B Revised Per Marked w/rev-up Drawings From LT Ishaq Chandra.	
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02
DRAWING NUMBER: RD0728	
Sheet 5 of 9	

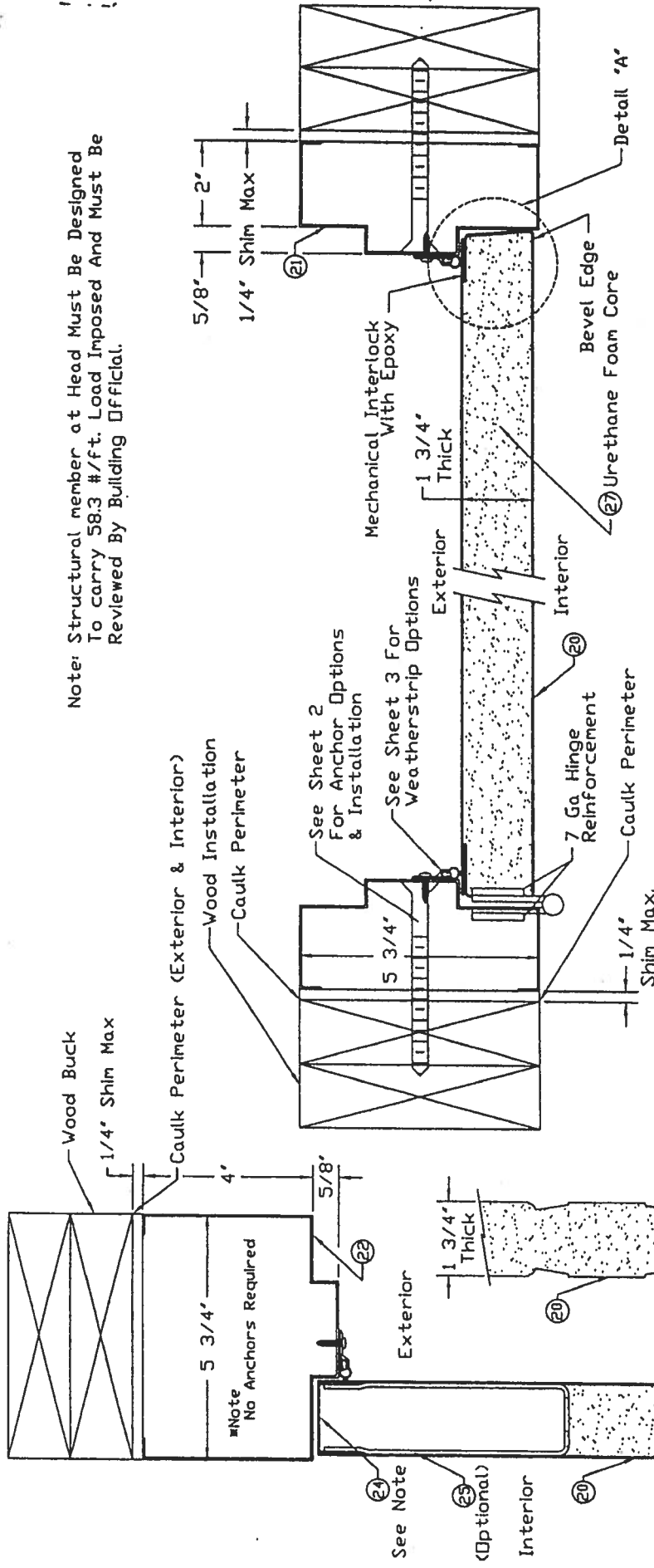


*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

B	Revised Per Marked	DATE	REVISIONS
	Up Drawings From		
LT	LT	5/23/02	
A	Revised Per Marked	DATE	REVISIONS
	Up Drawings From		
LT	LT	5/23/02	
ISSUE			REVISIONS
DRAWN BY			DATE
LT			5/23/02
DRAWING NUMBER			RD0728
			Sheet 6 of 9

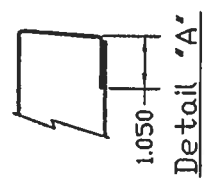
MATERIAL SPECIFICATIONS:		Cross Section View (In-Swing Doors) Omega Handed Door	
Note 1: Top and Bottom Channel Jack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers		CECO DOOR PRODUCTS Milan, Tennessee 38358	

Approved as complying with the
Florida Building Code
Date: 08/31/2007
NOA# 02-0807-00
Division
By: [Signature]

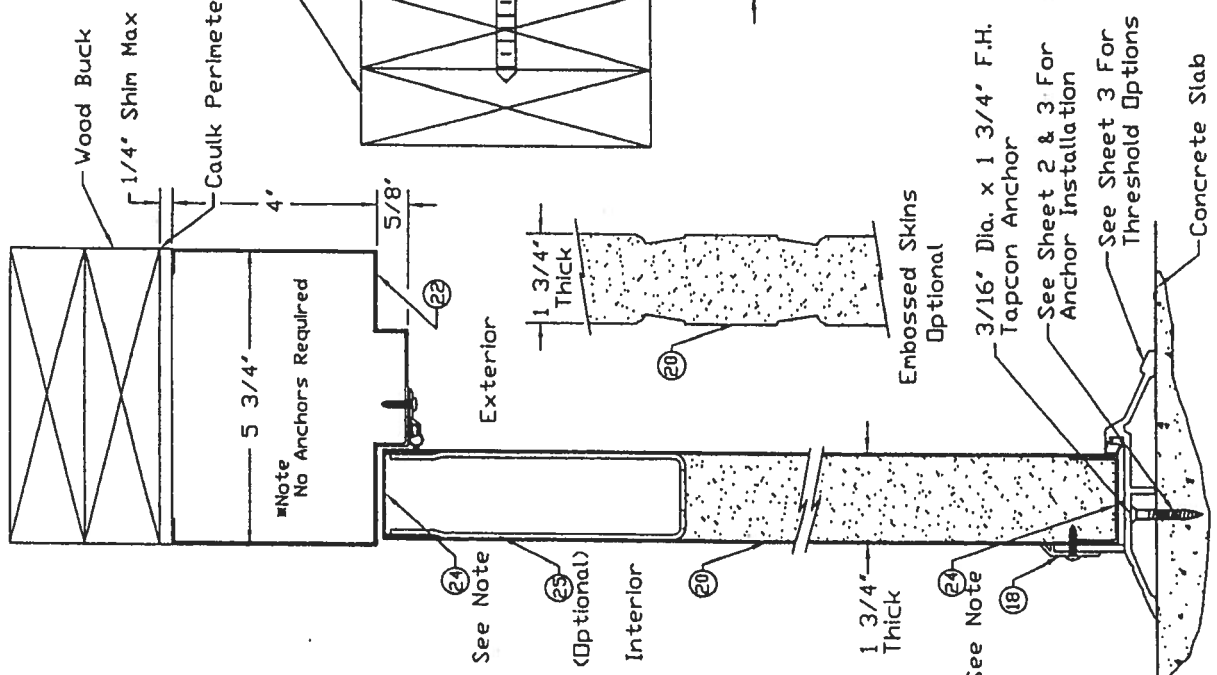


Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3\"/>



Section X-X

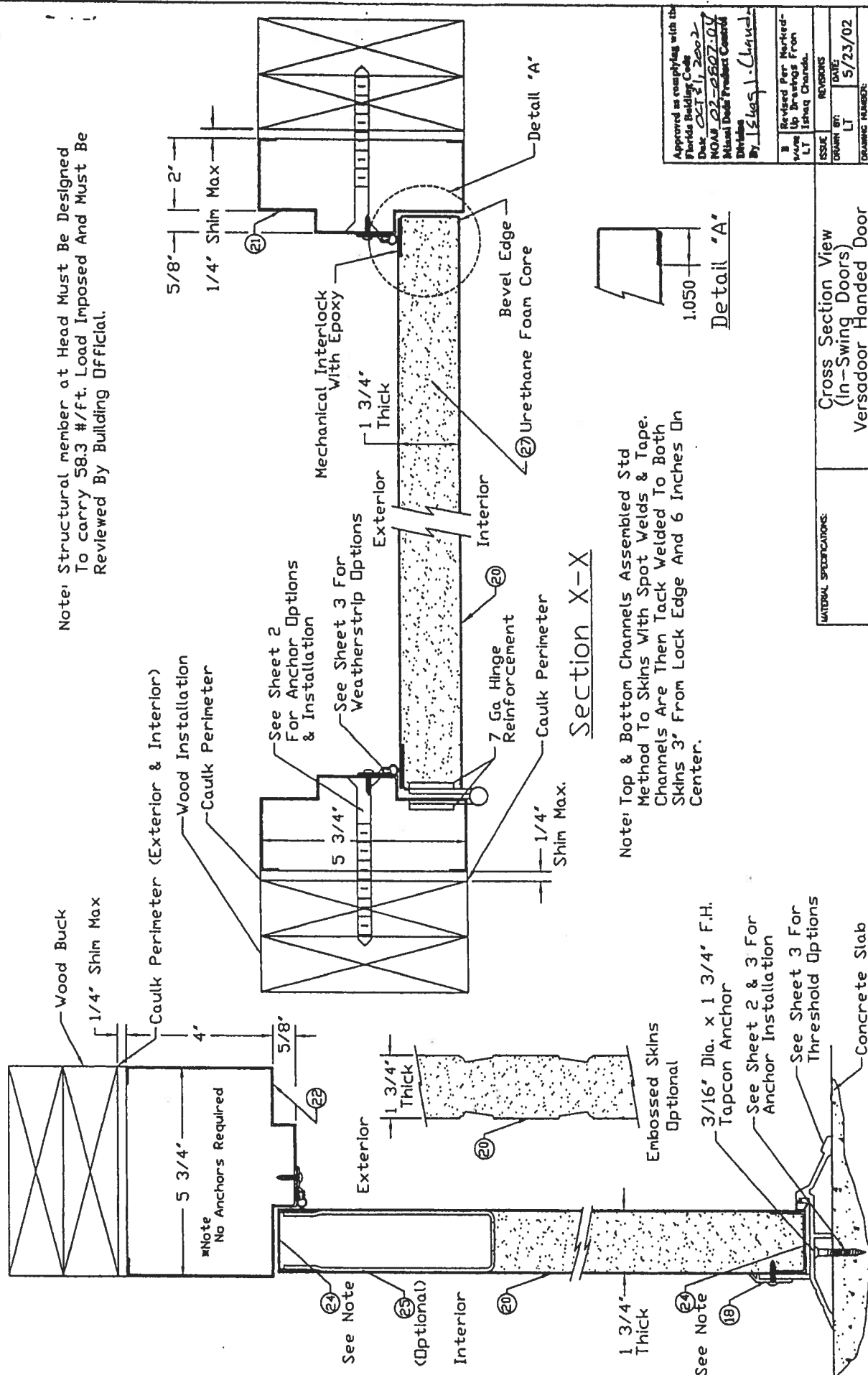


Section Y-Y

Approved as complying with the Florida Building Code	
Date	OCT 31 2002
MO	NOV 02
Division	Miscellaneous Products Division
By	Shirley J. Chavira
9	Revised Per Marked-up Drawings From LT
ISSUE	REVISED
DRAWN BY	LT
DATE	5/23/02
DRAWING NUMBER	RD0728
Sheet 7 of 9	

CROSS SECTION VIEW (In-Swing Doors)	
Imperial Handed Door	
CECO DOOR PRODUCTS	
Hann, Tennessee 38358	

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



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

Section X-X

Section Y-Y

Approved as complying with the Florida Building Code	
Date	02/11/2002
NOAR	02-0507-07
Minimal Data Product Control	
Division	
By	
Revised Per Marked-up Drawings From LT Issued Change.	
ISSUE	REVISIONS
DRAWN BY	DATE
LT	5/23/02
DRAWING NUMBER	
RD0728	
Sheet 8 of 9	

NATIONAL SPECIFICATIONS:		
		
	Milan, Tennessee 38358	

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

Approved as complying with the
Florida Building Code
Date: 08/31/2002
NOAA 02-0802-00
Miami Door Product Control
Division
By: LSL/SL/1.1/16/01

B	Revised Per Marked- 10/10/02 Up Drawings From LT	ISSUE	REVISIONS
A	Revised Per Marked- 9/1/02 Up Drawings From LT	DRAWN BY:	DATE:
		LT	5/28/02
		DRAWING NUMBER:	
			RD0728
			Sheet 9 of 9

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series

In-Swing Bill Of Materials

 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358



Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

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



Architectural Testing

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

Rendered to:

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

ATI Report Identification No.: 01-47320.03

Test Dates: 10/07/03

Through: 10/08/03

And: 12/01/03

And: 12/15/03

And: 03/17/04

Report Date: 04/16/04

Expiration Date: 10/07/07

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

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

Test Specimen Description:

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

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

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

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

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

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

130 Derry Court
York, PA 17402-9405
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www.archtest.com



Architectural Testing

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Test Specimen Description: (Continued)

Weatherstripping:

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

Test Specimen #2: HS-C40 71 x 59

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

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

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

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

Weatherstripping:

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



Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

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

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

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

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

Hardware:

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

Drainage:

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

Reinforcement: No reinforcement was utilized.

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



Architectural Testing

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Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 30.0 psf (positive) 30.0 psf (negative)	0.75" 0.71"	See Note #2 See Note #2
<i>Note #2: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 45.0 psf (positive) 45.0 psf (negative)	0.13" <0.01"	0.26" max. 0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

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



Architectural Testing

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Test Results: (Continued)

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

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

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Eric Westphal

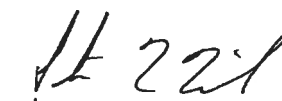
Eric Westphal
Technician

EW:dme
01-47320.03



Digitally Signed by: Steven M. Urich

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


APRIL 20, 2004

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

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

24514

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. JF109476 Company Phone No. 386-756-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: John Morris High Springs Development Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 237 S.W. Greenwood Tr. Ft. White, FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill Asst

Section 4: Treatment Information

Date(s) of Treatment(s) 7-17-06
Brand Name of Product(s) Used 6-Pro
EPA Registration No. 79676-1
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 2245 Linear ft. 189 Linear ft. of Masonry Voids 189
Approximate Total Gallons of Solution Applied 419
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

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

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon 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 [Signature] Date 7-17-06

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

Form NPCA-99-B may still be used

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

COLUMBIA COUNTY OFFICE 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 34-6S-16-04056-105

Building permit No. 000024514

Use Classification SFD/UTILITY

Fire: 44.64

Permit Holder JOHN NORRIS

Waste: 0.00

Owner of Building IMAGE DEV. GROUP, LLC.

Total: 44.64

Location: 237 SW GREENWOOD TERR (THORNWOOD, LOT 5)

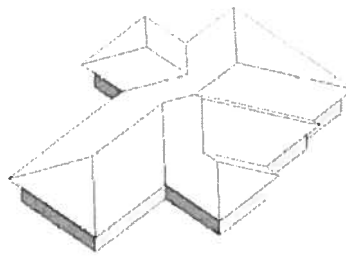
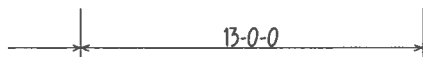
Date: 02/27/2007



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



BEARING HEIGHT SCHEDULE


$$8^I - 0^{II}$$

6/12 PITCH

$$2^1 \quad OH$$

NOTES:

- 1) REFER TO HD 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 V105 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) 5Y4Z TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HU526 UNLESS OTHERWISE NOTED ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED
- 8) BEAM/HEADER/INTEL (HDR) TO BE FURNISHED BY BUILDER

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS 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.

Requested Delivery Date _____

Approved by _____ Date: _____



Bunnell

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

BUILDER

JOHN NORRIS

LEGAL ADDRESS

MODEL

SIERRA

REVISION.

SCALE NTS

DATE _____

5-4-06

DEATH BY

JRD

100%

L163337