

DATE 06/25/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025951

APPLICANT GLENN L. KEEN

PHONE 386.867.0156

ADDRESS 1534 SW DEKLE ROAD

FL 32024

OWNER A&B MANGEMENT/JOHN W.KEEN

PHONE 386.867.0155

ADDRESS 112 SW MORNING GLORY DRIVE

FL 32024

CONTRACTOR JASON ELIXSON CONSTRUCTION,LLC

PHONE 386.623.1741

LOCATION OF PROPERTY 90- TO SR 247-S TO CALLAHAN,TL TO ROLLING MEADOWS S.D,TR ON GLORY AND ITS THE 1ST. LOT ON THE R.

TYPE DEVELOPMENT SFD/UTILITY

ESTIMATED COST OF CONSTRUCTION

90000.00

HEATED FLOOR AREA

1800.00

TOTAL AREA

2564.00

HEIGHT

18.00

STORIES

1

FOUNDATION CONC

WALLS

FRAMED

ROOF PITCH

6'12

FLOOR

CONC

LAND USE & ZONING

RSF-2

MAX. HEIGHT

35

Minimum Set Back Requirements:

STREET-FRONT

25.00

REAR

15.00

SIDE

10.00

NO. EX.D.U.

0

FLOOD ZONE

XPP

DEVELOPMENT PERMIT NO.

PARCEL ID 15-4S-16-03023-559

SUBDIVISION

ROLLING MEADOWS

LOT 59

BLOCK

PHASE

UNIT

TOTAL ACRES

0.50

000001405

CBC1250031

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

18"X32"MITERED

07-0392

BLK

JTH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: NOC ON FILE. FINISHED FLOOR DETERMINATION LETTER. FINISH FLOOR

CONFIRMATION LETTER REQUIRED.

Check # or Cash 1265

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power

date/app. by

Foundation

date/app. by

Monolithic

(footer/Slab)

Under slab rough-in plumbing

date/app. by

Slab

date/app. by

Sheathing/Nailing

date/app. by

Framing

date/app. by

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

0741265

Columbia County Building Permit Application

For Office Use Only Application # 0706-10 Date Received 6/5 By JW Permit # 1405/25951
 Application Approved by - Zoning Official BZK Date 22.06.07 Plans Examiner OKJH Date 6-22-07
 Flood Zone AP-1 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Density
 Comments Plat requires Finished Floor Determination Letter -> Finish Floor Confirmation letter Required
☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit GLENN L. KEEN Fax (386) 758-9175
 Address 1534 SW DEKLE Rd. LAKE CITY, FL 32024 Phone (386) 867-0156
 Owners Name AEB Management / John W. Keen Phone (386) 867-0155
 911 Address 112 SW Morning Glory Drive LAKE CITY, FL 32024
 Contractors Name JASON ELIXSON Construction, LLC. Phone (386) 623-1741
 Address 4853 WEST SR 238 LAKE BUTLER, FL. 32054
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____

Architect/Engineer Name & Address JASON ELIXSON Construction LLC / Schafer Engineering LLC
 Mortgage Lenders Name & Address NONE (Same as above) 7104 N.W. 42nd Lane
GAINESVILLE, FL 32606
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 15-45-16-03023-559 Estimated Cost of Construction 116,800.00
 Subdivision Name Rolling MEADOWS Lot 59 Block _____ Unit _____ Phase _____
 Driving Directions GO 90 West to 247 South, Turn left on 247S and go 2 1/2 miles to Callahan Drive, Turn left & go 1 1/2 miles to Rolling Meadows Subdivision, Turn Right on Morning Glory Drive. 1st lot on Right. (59)
 Type of Construction Residential (New Home) Number of Existing Dwellings on Property 0
 Total Acreage 1/2 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 50' Side 13' 12" Side 22' 25" Rear 95'
 Total Building Height 18' Number of Stories 1 Heated Floor Area 1800 Roof Pitch 6/12

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

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

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

A. L. K. (K. H. FRAMIN)
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 19th day of April 2007.
 Personally known ☒ or Produced Identification _____

Contractor Signature [Signature]
 Contractors License Number 1250 0331
 Competency Card Number _____
 NOTARY STAMP/SEAL

[Signature]
 Notary Signature
 BARRY COLEMAN
 MY COMMISSION # DD 587907
 EXPIRES: September 24, 2010
 Bonded Thru Budget Notary Services

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

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

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 15-45-16-03-023-559 Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

Rolling MEADOWS Sub-Division Lot 59

112 SW Morning Glory Drive Lake City, FL 32024

2. General description of improvement: New Home 3/2 Residential

3. Owner Name & Address John W. Keen / AEB Management

1534 SW Dekle Rd. Lake City, FL 32024 Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name JASON LIXSON Construction Phone Number (386) 623-1741

Address 4853 WEST R 23R Lake Butler, FL 32054

6. Surety Holders Name _____ Phone Number _____

Address _____

Amount of Bond 100,000

7. Lender Name _____ Phone Number _____

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (a) 7; Florida Statutes:

Name _____

Address _____

Inst: 200712012227 Date: 6/5/2007 Time: 8:22 AM
D. P. DeWitt Cason, Columbia County B: 1120 P: 2372

9. In addition to himself/herself the owner designates _____ of

_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

John W. Keen
Signature of Owner

Sworn to (or affirmed) and subscribed before day of June 4th, 2007.

[Signature]
Signature of Notary

NOTARY PUBLIC SEAL
MY COMMISSION # DD 597907
Expires September 24, 2010
Thru Budget Notary Services

NOTARY PUBLIC
BARRY COLEMAN
MY COMMISSION # DD 59790
EXPIRES: September 24, 2010
Bonded Thru Budget Notary Services

KEEN ENGINEERING & SURVEYING, INC.
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
386/362-4787

May 3, 2007

Columbia County Building Department
P.O. Drawer 1529
Lake City, FL 32056

RE: LOT 59 ROLLING MEADOWS S/D
FINISH FLOOR ELEVATION

The above lot 59 of Rolling Meadows Subdivision has a minimum finish floor elevation of 107.00 stated on the plans. The lot has elevations that run from 106' on the West to 104' on the East.

The finish floor elevation is to be set at 106.00' or a minimum of 12" above the highest adjacent grade within 15' of the proposed residence.

The finish floor elevation will be at an adequate height to prevent any flooding of the proposed home.

If additional information is required, please advise.

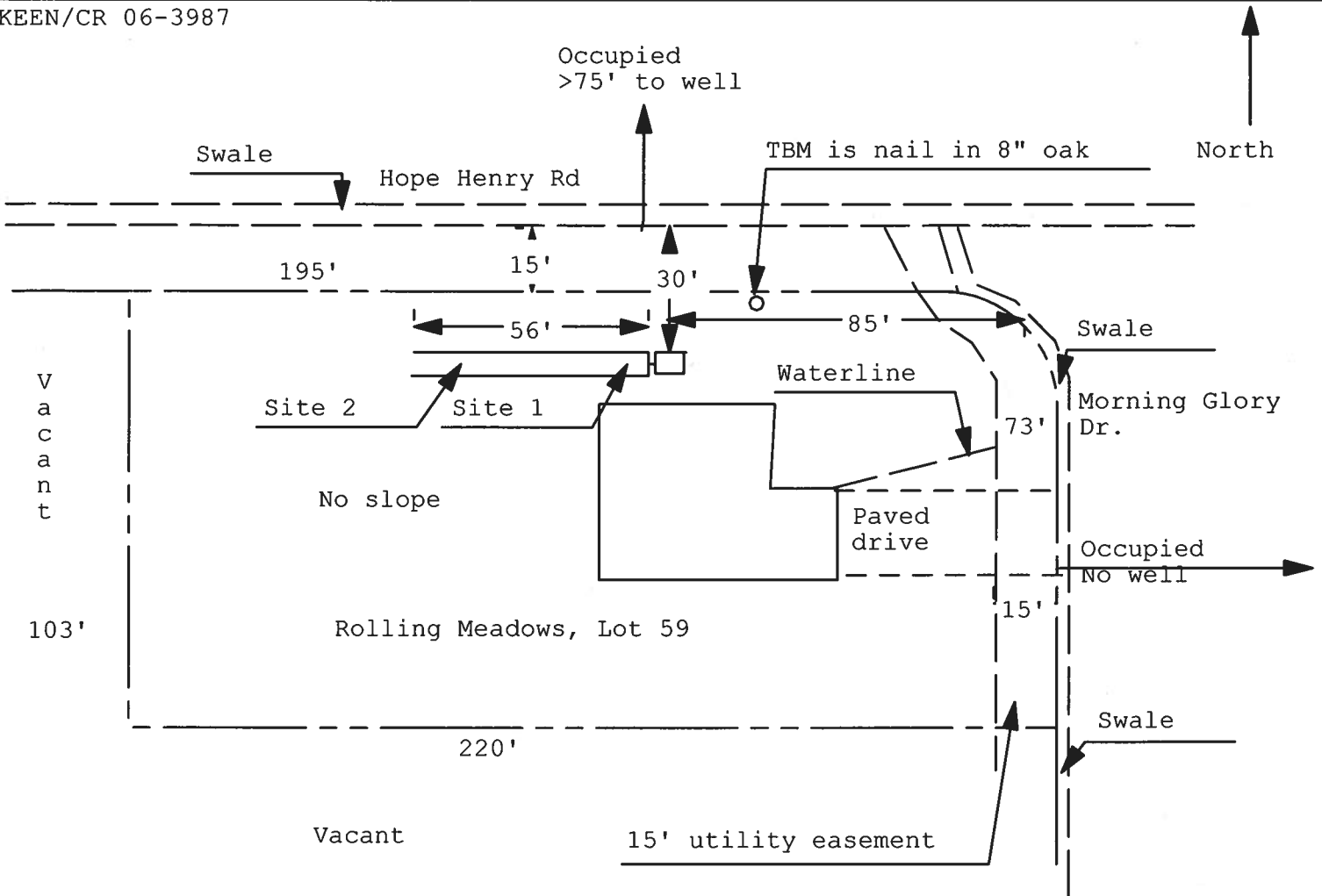

Curtis E. Keen, PE #23836
Eng. Bus. #3761

Copy: K & H Framing, Inc.

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-0392

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KEEN/CR 06-3987



1 inch = 40 feet

Site Plan Submitted By Paul L. [Signature] Date 5/14/07
Plan Approved ☒ Not Approved ☐ Date 5/15/07
By [Signature] Columbia CPHU

Notes: _____

Corporate Warranty Deed

Inst:2006022132 Date:09/15/2006 Time:13:46

Doc Stamp-Deed : 639.00

DC, P. DeWitt Cason, Columbia County B:1036 P:648

This Indenture, made this September 15th, 2006 A.D.

Between

MILESTONE HS, LLC, a Florida Limited Liability Company, whose post office address is: PO Box 3001, Lake City, FL 32056; Grantor and A & B MANAGEMENT, LLC, a Florida Limited Liability Company and JOHN W. KEEN, EACH AS TO AN UNDIVIDED ONE HALF INTEREST AS JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP AND NOT AS TENANTS IN COMMON whose post office address is: 3624 NW Brown Road, Lake City, Florida 32055, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

Lots 30 and 39, ROLLING MEADOWS, according to the Plat thereof, recorded in Plat Book 3, Pages 45 and 46, of the Public Records of Columbia County, Florida.

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number:

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

MILESTONE HS, LLC
a Florida Limited Liability Company

Signed and Sealed in Our Presence:

By:


Robert S. Stewart, Manager

Witness Print Name:

Matthew D. Rocco

Witness Print Name:

Melinda M. Weaver

(Corporate Seal)

State of
County of

Florida
Columbia

The foregoing instrument was acknowledged before me this 15th day of September, 2006, by Robert S. Stewart, Manager of Milestone HS, LLC, a Florida Limited Liability Company, on behalf of the company.
He is personally known to me or has produced Driver's License as identification.

Notary Public

Notary Printed Name:

My Commission Expires:

(Seal)

006-0274

Prepared by & Return to:

Matt Rocco

Sierra Title, LLC,

619 SW Baya Drive, Suite 102

Lake City, Florida 32055



Matthew Rocco

My Commission DD160709

Expires 12/31/2008

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Keen Rolling Meadows	Builder:	Jason Elixson Construction
Address:	Lot: , Sub: , Plat:	Permitting Office:	Columbia
City, State:	Lake city, FL	Permit Number:	
Owner:	Glen Keen	Jurisdiction Number:	22000
Climate Zone:	North		

- | | | | |
|---|------------------------------|--|-------------------|
| 1. New construction or existing | New | 12. Cooling systems | |
| 2. Single family or multi-family | Single family | a. Central Unit | Cap: 30.0 kBtu/hr |
| 3. Number of units, if multi-family | 1 | | SEER: 13.00 |
| 4. Number of Bedrooms | 3 | b. N/A | |
| 5. Is this a worst case? | Yes | c. N/A | |
| 6. Conditioned floor area (ft²) | 1800 ft² | | |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | 13. Heating systems | |
| a. U-factor: | Description Area | a. Electric Heat Pump | Cap: 30.0 kBtu/hr |
| (or Single or Double DEFAULT) | 7a. (Dble Default) 233.0 ft² | | HSPF: 7.70 |
| b. SHGC: | | b. N/A | |
| (or Clear or Tint DEFAULT) | 7b. (Clear) 233.0 ft² | c. N/A | |
| 8. Floor types | | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 242.0(p) ft | 14. Hot water systems | |
| b. N/A | | a. Electric Resistance | Cap: 40.0 gallons |
| c. N/A | | | EF: 0.93 |
| 9. Wall types | | b. N/A | |
| a. Frame, Wood, Exterior | R=13.0, 1936.0 ft² | c. Conservation credits | |
| b. N/A | | (HR-Heat recovery, Solar | |
| c. N/A | | DHP-Dedicated heat pump) | |
| d. N/A | | 15. HVAC credits | PT, |
| e. N/A | | (CF-Ceiling fan, CV-Cross ventilation, | |
| 10. Ceiling types | | HF-Whole house fan, | |
| a. Under Attic | R=30.0, 1800.0 ft² | PT-Programmable Thermostat, | |
| b. N/A | | MZ-C-Multizone cooling, | |
| c. N/A | | MZ-H-Multizone heating) | |
| 11. Ducts | | | |
| a. Sup: Con. Ret: Con. AH: Interior | Sup. R=6.0, 160.0 ft | | |
| b. N/A | | | |

Glass/Floor Area: 0.13

Total as-built points: 22546

Total base points: 26008

PASS

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

PREPARED BY: [Signature]

DATE: 7-17-07

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: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points					
.18	1800.0	18.59	6023.0	1.Double, Clear	N	0.0	0.0	36.0	19.20	1.00	691.0	
				2.Double, Clear	N	0.0	0.0	6.0	19.20	1.00	115.0	
				3.Double, Clear	E	0.0	0.0	6.0	42.06	1.00	252.0	
				4.Double, Clear	E	0.0	0.0	20.0	42.06	1.00	841.0	
				5.Double, Clear	E	0.0	0.0	30.0	42.06	1.00	1261.0	
				6.Double, Clear	E	0.0	0.0	15.0	42.06	1.00	630.0	
				7.Double, Clear	S	0.0	0.0	30.0	35.87	1.00	1075.0	
				8.Double, Clear	S	0.0	0.0	4.0	35.87	1.00	143.0	
				9.Double, Clear	W	0.0	0.0	54.0	38.52	1.00	2080.0	
				10.Double, Clear	W	0.0	0.0	32.0	38.52	1.00	1232.0	
				As-Built Total:				233.0		8320.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		13.0	1936.0	1.50		2904.0		
Exterior	1936.0	1.70	3291.2									
Base Total:		1936.0	3291.2	As-Built Total:		1936.0		2904.0				
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		33.3		4.10		136.7		
Exterior	86.7	6.10	528.9	2.Exterior Insulated		20.0		4.10		82.0		
				3.Exterior Insulated		33.3		4.10		136.7		
Base Total:		86.7	528.9	As-Built Total:		86.7		355.5				
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points					
Under Attic	1800.0	1.73	3114.0	1. Under Attic		30.0	1800.0	1.73 X 1.00		3114.0		
Base Total:		1800.0	3114.0	As-Built Total:		1800.0		3114.0				
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Slab	242.0(p)	-37.0	-8954.0	1. Slab-On-Grade Edge Insulation		0.0	242.0(p)	-41.20		-9970.4		
Raised	0.0	0.00	0.0									
Base Total:		-8954.0		As-Built Total:		242.0		-9970.4				
INFILTRATION Area X BSPM = Points				Area X SPM = Points								
		1800.0	10.21					1800.0		10.21		18378.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 22381.1				Summer As-Built Points: 23101.1						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
22381.1	0.3250		7273.9	(sys 1: Central Unit 30000btuh , SEER/EFF(13.0) Ducts: Con(S), Con(R), Int(AH), R6.0(INS) 23101 1.00 (1.00 x 1.147 x 0.91) 0.260 0.950 5955.7 23101.1 1.00 1.044 0.260 0.950 5955.7						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

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	1800.0	20.17	6535.0	1.Double, Clear	N	0.0	0.0	36.0	24.58	1.00	884.0
				2.Double, Clear	N	0.0	0.0	6.0	24.58	1.00	147.0
				3.Double, Clear	E	0.0	0.0	6.0	18.79	1.00	112.0
				4.Double, Clear	E	0.0	0.0	20.0	18.79	1.00	375.0
				5.Double, Clear	E	0.0	0.0	30.0	18.79	1.00	563.0
				6.Double, Clear	E	0.0	0.0	15.0	18.79	1.00	281.0
				7.Double, Clear	S	0.0	0.0	30.0	13.30	1.00	398.0
				8.Double, Clear	S	0.0	0.0	4.0	13.30	1.00	53.0
				9.Double, Clear	W	0.0	0.0	54.0	20.73	1.00	1119.0
				10.Double, Clear	W	0.0	0.0	32.0	20.73	1.00	663.0
				As-Built Total:				233.0	4595.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0		1936.0	3.40		6582.4	
Exterior	1936.0	3.70	7163.2								
Base Total:				As-Built Total:		1936.0		6582.4			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			33.3	8.40		280.1	
Exterior	86.7	12.30	1066.5	2.Exterior Insulated			20.0	8.40		168.1	
				3.Exterior Insulated			33.3	8.40		280.1	
Base Total:				As-Built Total:		86.7		728.4			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1800.0	2.05	3690.0	1. Under Attic	30.0		1800.0	2.05 X 1.00		3690.0	
Base Total:				As-Built Total:		1800.0		3690.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	242.0(p)	8.9	2153.8	1. Slab-On-Grade Edge Insulation	0.0		242.0(p)	18.80		4549.6	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		242.0		4549.6			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1800.0 -0.59 -1062.0				1800.0 -0.59 -1062.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 19546.5			Winter As-Built Points: 19083.4					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
19546.5	0.5540	10828.8	(sys 1: Electric Heat Pump 30000 btuh ,EFF(7.7) Ducts:Con(S),Con(R),Int(AH),R6.0 19083.4 1.000 (1.000 x 1.169 x 0.93) 0.443 0.950 8728.5 19083.4 1.00 1.087 0.443 0.950 8728.5					

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier X Credit = Total
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio		Multiplier
Bedrooms										
3		2635.00		7905.0	40.0	0.93	3	1.00	2620.76	1.00 7862.3
				As-Built Total:						7862.3

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
7274		10829		7905		26008	5956		8729		7862		22546

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake city, FL,

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 612.1.ABC.3.2. 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* = 86.7

The higher the score, the more efficient the home.

Glen Keen, Lot: , Sub: , Plat: , Lake city, FL

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft²)	1800 ft²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 30.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 233.0 ft²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 233.0 ft²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 242.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A	___	___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1936.0 ft²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	
c. N/A	___	___	DHP-Dedicated heat pump)	
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		___	HF-Whole house fan,	
a. Under Attic	R=30.0, 1800.0 ft²	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
c. N/A	___	___	MZ-H-Multizone heating)	
11. Ducts		___		
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 160.0 ft	___		
b. N/A	___	___		

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

**Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Rolling Meadows Subdivision
Section 15, Township 4 South, Range 16 East**

LOT#	ADDRESS	LOT#	ADDRESS
LOT1	121 SW MORNING GLORY DR	LOT31	137 SW POPPY GLN
LOT2	145 SW MORNING GLORY DR	*LOT32	206 SW BUTTERCUP DR
LOT3	165 SW MORNING GLORY DR	*LOT32	117 SW POPPY GLN
LOT4	187 SW MORNING GLORY DR	LOT33	254 SW BUTTERCUP DR
LOT5	209 SW MORNING GLORY DR	LOT34	296 SW BUTTERCUP DR
LOT6	231 SW MORNING GLORY DR	LOT35	318 SW BUTTERCUP DR
LOT7	253 SW MORNING GLORY DR	LOT36	336 SW BUTTERCUP DR
LOT8	283 SW MORNING GLORY DR	LOT37	348 SW BUTTERCUP DR
LOT9	299 SW MORNING GLORY DR	LOT38	352 SW BUTTERCUP DR
LOT10	311 SW MORNING GLORY DR	LOT39	349 SW BUTTERCUP DR
LOT11	333 SW MORNING GLORY DR	LOT40	337 SW BUTTERCUP DR
LOT12	357 SW MORNING GLORY DR	LOT41	319 SW BUTTERCUP DR
LOT13	381 SW MORNING GLORY DR	LOT42	297 SW BUTTERCUP DR
LOT14	405 SW MORNING GLORY DR	LOT43	279 SW BUTTERCUP DR
LOT15	429 SW MORNING GLORY DR	LOT44	269 SW BUTTERCUP DR
LOT16	453 SW MORNING GLORY DR	LOT45	259 SW BUTTERCUP DR
LOT17	463 SW MORNING GLORY DR	LOT46	243 SW BUTTERCUP DR
LOT18	464 SW MORNING GLORY DR	LOT47	221 SW BUTTERCUP DR
LOT19	456 SW MORNING GLORY DR	LOT48	199 SW BUTTERCUP DR
LOT20	442 SW MORNING GLORY DR	LOT49	173 SW BUTTERCUP DR
LOT21	418 SW MORNING GLORY DR	LOT50	147 SW BUTTERCUP DR
LOT22	396 SW MORNING GLORY DR	*LOT51	338 SW MORNING GLORY DR
*LOT23	374 SW MORNING GLORY DR	*LOT51	123 SW BUTTERCUP DR
*LOT23	124 SW BUTTERCUP DR	LOT52	298 SW MORNING GLORY DR
*LOT24	158 SW BUTTERCUP DR	LOT53	258 SW MORNING GLORY DR
*LOT24	116 SW POPPY GLN	LOT54	226 SW MORNING GLORY DR
LOT25	136 SW POPPY GLN	LOT55	202 SW MORNING GLORY DR
LOT26	158 SW POPPY GLN	LOT56	174 SW MORNING GLORY DR
LOT27	182 SW POPPY GLN	LOT57	150 SW MORNING GLORY DR
LOT28	208 SW POPPY GLN	LOT58	130 SW MORNING GLORY DR
LOT29	209 SW POPPY GLN	LOT59	112 SW MORNING GLORY DR
LOT30	159 SW POPPY GLN		

(NOTE: * IDENTIFIES CORNER LOTS. CONTACT THE 9-1-1 ADDRESSING DEPARTMENT FOR CORRECT ADDRESS.)

[Handwritten signature]

[Handwritten signature]



PLAT
PAGE
SHEET

NO IDENTIFICATION
NE CORNER OF NE 1/4
OF THE SE 1/4 SECTION 15

ROLLING

SECTION 15,

COLUMB

SCALE: 1" = 100'

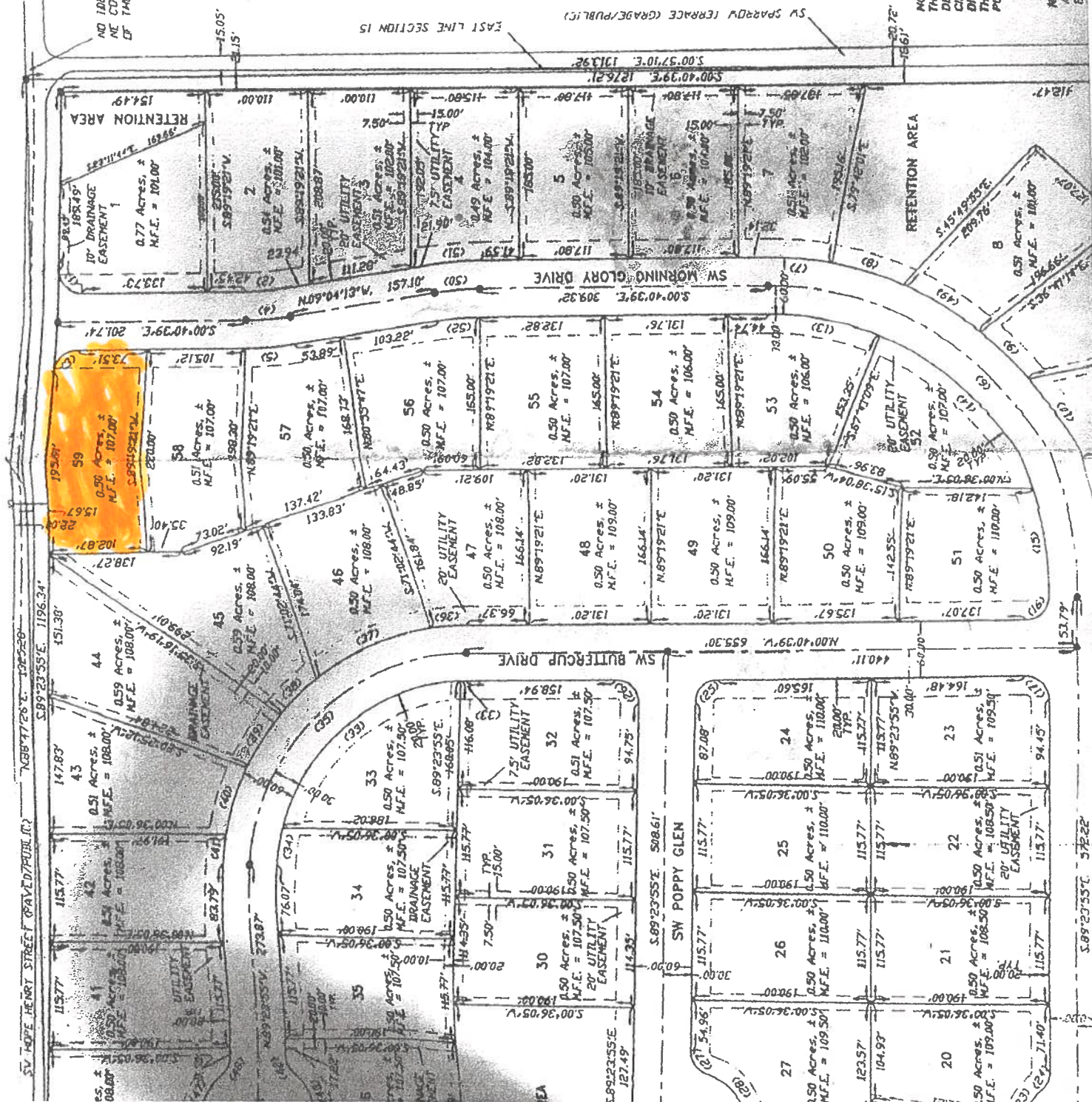
S.Y.M.B.
P.R.M. PER
P.L.S. PRO
CEN
4"x
M.F.E. MIN,
TYP
PER

UNPLATTED LANDS
90 ACRES ±

SEE SHEET 1 OF 2 FOR C

NOTICE:
THIS PLAT AS RECORDED IN ITS GRAPHICAL
DEPICTION OF THE SUBDIVIDED LANDS DOES
NOT CONSTITUTE A GUARANTEE OF THE
ACCURACY OF THE PLAT. THERE MAY BE
MISTAKES THAT ARE NOT RECORDED ON THIS PLAT.
PUBLIC RECORDS OF THIS COUNTY.

NOTICE:
ALL PLATTED UTILITY EASEMENTS SHALL
BE RECORDED IN THE PUBLIC RECORDS OF THIS COUNTY.



K&H Framing/Vinyl Siding, Inc.

1543 S.W. Dekle Road
Lake City, Florida 32024
Ph: 386-961-8223
Fax: 386-961-8820

June 21, 2007

RE: Permit #:0706-10
Rolling Meadows lot #59
John W. Keen/A&B Management

Dear Brian,

I am faxing over the new site plan for Rolling Meadows, lot #59. I re-measured at a 50 ft. set back and in the account that Clay Electric has a 20 ft. easement plus the county easement of 25ft. If I move this house to a 50 ft set back, it will allow proper set backs for the proposed site.

The place in which the house is planned to sit is 99 ft. from property line to property line, which allows 26 feet on the Hope Henry side and 12 feet on the south side on property.

If you have any questions, please feel free to call me at 386-867-0156 or fax 386-961-8820.

Thank you,

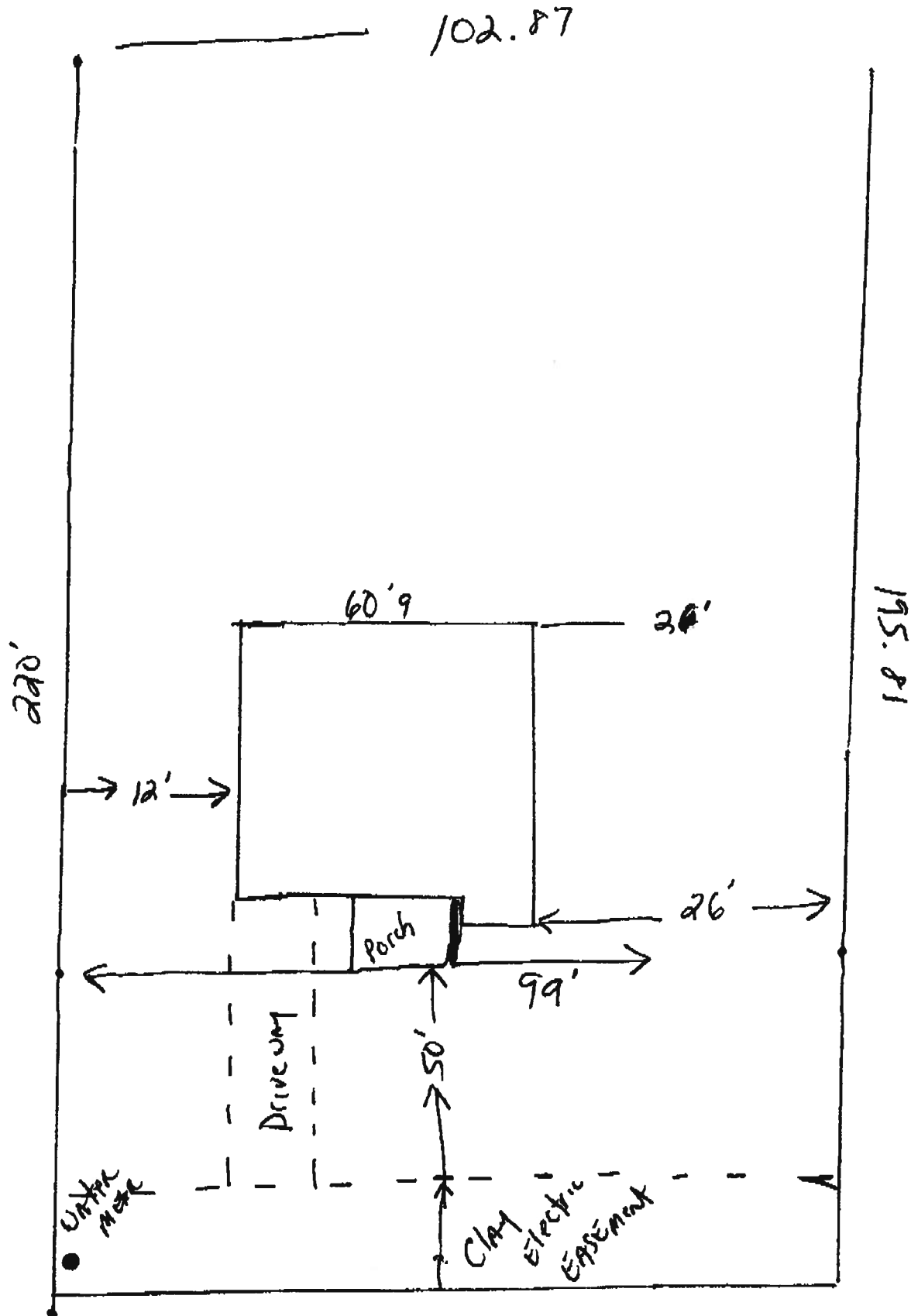
Glenn L. Keen
President of K&H Framing/Vinyl Siding, Inc.

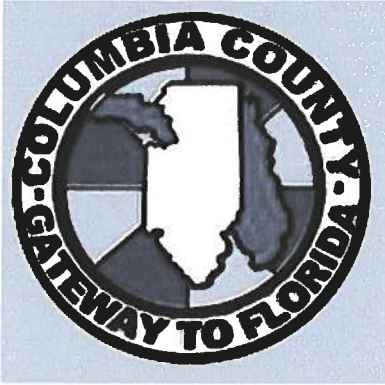
0706-10 (Permit #)

Site Plan

Lot 59

R. MEADOWS





Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Glenn Keen

Fax: 386.758.9175

From: Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of pages: ~~1~~ 2

Date: 15 June 2007

RE: Building Permit Application 0706-10, Rolling Meadows, lot 59

Dear Glenn:

The above referenced lot is a corner lot, therefore it has two (2) fronts and two (2) sides. The site plan submitted with the application shows twenty (20) feet from SW Hope Henry Road. This is a front and according to the County's Land Development Regulations (LDR's), front yard setback is twenty-five (25) feet. As a reminder side set backs are ten (10) feet. A variance will have to be applied and approved in order to approve this building permit as submitted. Variances require a public hearing in front of the Board of Adjustment and there is a \$750.00 fee involved. If you believe you can fit the house within the required setback, please submit a new site plan showing the new setbacks. I have attached a copy of the site plan submitted with the application.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

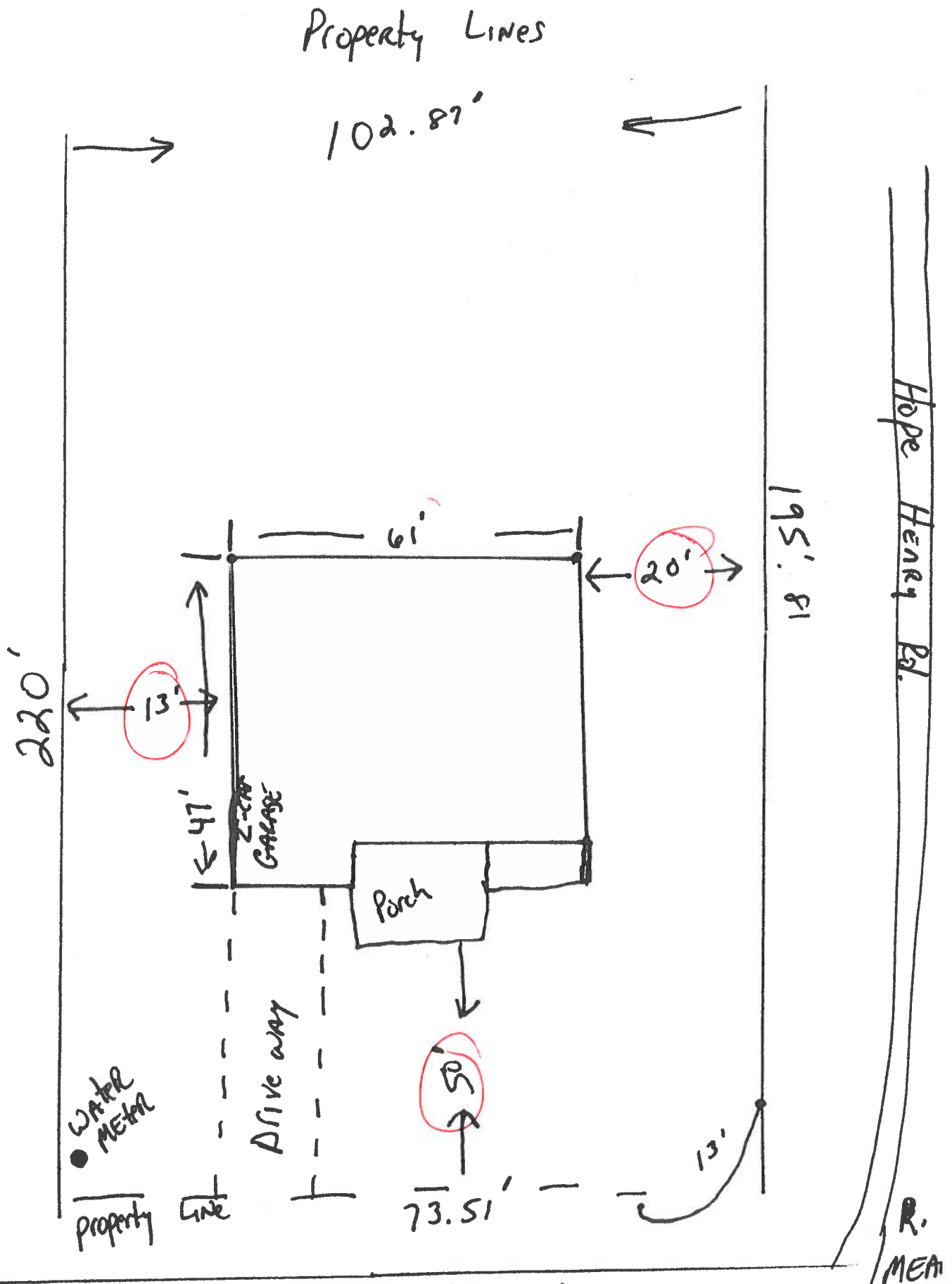
Sincerely,

A handwritten signature in black ink, appearing to read "B. Kepner", written over a horizontal line.

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

Site Plan



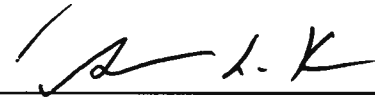
Columbia County Building Department Culvert Permit

Culvert Permit No.
000001405

DATE 06/25/2007 PARCEL ID # 15-4S-16-03023-559
APPLICANT GLENN L. KEEN PHONE 386.867.0156
ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024
OWNER A&B MANGEMENT/JOHN W.KEEN PHONE 386.867.0155
ADDRESS 112 SW MORNING GLORY DRIVE LAKE CITY FL 32024
CONTRACTOR JASON ELIXSON CONSTRUCTION,LLC PHONE 386.623.1741
LOCATION OF PROPERTY 90- TO SR 247-S TO CALLAHAN,TL TO ROLLING MEADOWS S.D,TR ON MORNING
GLORY AN IT'S THE 1ST.LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 59

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

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

Amount Paid 25.00



K&H Framing/Vinyl Siding, Inc.

1543 S.W. Dekle Road
Lake City, Florida 32024
386-961-8223

Rolling Meadows
Lot #59

June 5, 2007

I comply with the new codes, which state that the garage floor shall be made of a non-combustible material and will slope to the main garage entrance.

The garage exterior steel door which enters into the main residence shall be made of a minimum 1 3/8" thickness and a minimum of a 20 minutes fire rating.

No garage door shall enter into any bedrooms into the living residence.

The attic access shall consist with a minimum of 1/2" gypsum board.

The service panel on the exterior shall be provided with an over-current protection device.

Thank you,



Glenn L. Keen/Jason Elixson
K&H Framing/Vinyl Siding, Inc./Elixson Construction, LLC

Residential System Sizing Calculation

Summary

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

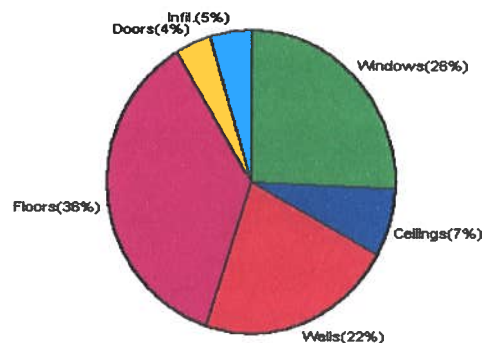
5/17/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	29029 Btuh	Total cooling load calculation	20395 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	103.3 30000	Sensible (SHR = 0.75)	113.7 22500
Heat Pump + Auxiliary(0.0kW)	103.3 30000	Latent	1221.6 7500
		Total (Electric Heat Pump)	147.1 30000

WINTER CALCULATIONS

Winter Heating Load (for 1800 sqft)

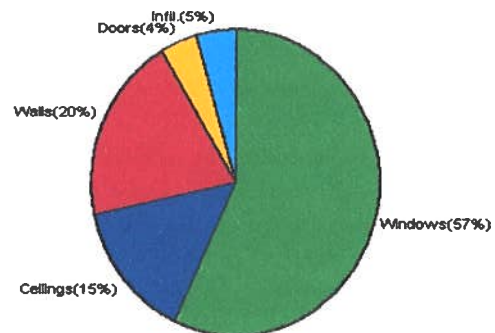
Load component		Load	
Window total	233 sqft	7500	Btuh
Wall total	1936 sqft	6358	Btuh
Door total	87 sqft	1123	Btuh
Ceiling total	1800 sqft	2121	Btuh
Floor total	242 sqft	10566	Btuh
Infiltration	34 cfm	1361	Btuh
Duct loss		0	Btuh
Subtotal		29029	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		29029	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1800 sqft)

Load component		Load	
Window total	233 sqft	11599	Btuh
Wall total	1936 sqft	4038	Btuh
Door total	87 sqft	850	Btuh
Ceiling total	1800 sqft	2981	Btuh
Floor total		0	Btuh
Infiltration	17 cfm	313	Btuh
Internal gain		0	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		19781	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		614	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		0	Btuh
Total latent gain		614	Btuh
TOTAL HEAT GAIN		20395	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: [Signature]

DATE: 7-17-07

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 180 degrees.

5/17/2007

Component Loads for Zone #1: 1st Floor

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	36.0	0.0	36.0	21	26	937	Btuh
2	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	6.0	0.0	6.0	21	26	156	Btuh
3	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	6.0	0.0	6.0	21	62	374	Btuh
4	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	20.0	0.0	20.0	21	62	1247	Btuh
5	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	30.0	0.0	30.0	21	62	1871	Btuh
6	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	15.0	0.0	15.0	21	62	936	Btuh
7	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	30.0	0.0	30.0	21	21	631	Btuh
8	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	4.0	0.0	4.0	21	21	84	Btuh
9	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	54.0	0.0	54.0	21	62	3368	Btuh
10	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	32.0	0.0	32.0	21	62	1996	Btuh
	Window Total				233 (sqft)					11599 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1936.0			2.1		4038 Btuh	
	Wall Total				1936 (sqft)					4038 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				33.3			9.8		327 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				33.3			9.8		327 Btuh	
	Door Total				87 (sqft)					850 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1800.0			1.7		2981 Btuh	
	Ceiling Total				1800 (sqft)					2981 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		242 (ft(p))			0.0		0 Btuh	
	Floor Total				242.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									19468 Btuh	
Infiltration	Type		ACH		Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural		0.07		14400			1936		16.8	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			0		X 230 +			0		0 Btuh	
	Sensible Envelope Load:									19781 Btuh	
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)							(DGM of 0.000)		0 Btuh	
	Sensible Zone Load									19781 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

5/17/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	19781 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	19781 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	19781 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	614 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	614 Btuh
	TOTAL GAIN	20395 Btuh

EQUIPMENT

1. Central Unit	#	30000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 180 degrees.

5/17/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	36.0	0.0	36.0	21	26	937	Btuh
2	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	6.0	0.0	6.0	21	26	156	Btuh
3	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	6.0	0.0	6.0	21	62	374	Btuh
4	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	20.0	0.0	20.0	21	62	1247	Btuh
5	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	30.0	0.0	30.0	21	62	1871	Btuh
6	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	15.0	0.0	15.0	21	62	936	Btuh
7	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	30.0	0.0	30.0	21	21	631	Btuh
8	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	4.0	0.0	4.0	21	21	84	Btuh
9	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	54.0	0.0	54.0	21	62	3368	Btuh
10	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	32.0	0.0	32.0	21	62	1996	Btuh
	Window Total				233 (sqft)					11599 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1936.0			2.1		4038 Btuh	
	Wall Total				1936 (sqft)					4038 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				33.3			9.8		327 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				33.3			9.8		327 Btuh	
	Door Total				87 (sqft)					850 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1800.0			1.7		2981 Btuh	
	Ceiling Total				1800 (sqft)					2981 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		242 (ft(p))			0.0		0 Btuh	
	Floor Total				242.0 (sqft)					0 Btuh	
	Envelope Subtotal:									19468 Btuh	
Infiltration	Type		ACH		Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural		0.07		14400			1936		33.6	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			0		X 230			+		0 Btuh	
	Sensible Envelope Load:									19781 Btuh	
Duct load	(DGM of 0.000)									0 Btuh	
	Sensible Load All Zones									19781 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

5/17/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	19781 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	19781 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	19781 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	614 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	614 Btuh
	TOTAL GAIN	20395 Btuh

EQUIPMENT

1. Central Unit	#	30000 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Omt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 180 degrees.

5/17/2007

Component Loads for Zone #1: 1st Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	S	36.0		32.2	1159 Btuh
2	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
3	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
4	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	W	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
9	2, Clear, Metal, 0.87	E	54.0		32.2	1738 Btuh
10	2, Clear, Metal, 0.87	E	32.0		32.2	1030 Btuh
Window Total			233(sqft)			7500 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1936		3.3	6358 Btuh
Wall Total			1936			6358 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	432 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		33		12.9	432 Btuh
Door Total			87			1123Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1800		1.2	2121 Btuh
Ceiling Total			1800			2121Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	242.0 ft(p)		43.7	10566 Btuh
Floor Total			242			10566 Btuh
Zone Envelope Subtotal:						27668 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		Load
	Natural	0.14	14400	1936	33.6	1361 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond){DLM of 0.000}					0 Btuh
Zone #1	Sensible Zone Subtotal					29029 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Glen Keen
Lot 59 Rolling Meadows
Lake city, FL

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

5/17/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	29029 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	29029 Btuh

EQUIPMENT

1. Electric Heat Pump	#	30000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Glen Keen
Lot 59 Rolling Meadows
Lake city, FL

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/17/2007

This calculation is for Worst Case. The house has been rotated 180 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	S	36.0		32.2	1159 Btuh
2	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
3	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
4	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	W	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
9	2, Clear, Metal, 0.87	E	54.0		32.2	1738 Btuh
10	2, Clear, Metal, 0.87	E	32.0		32.2	1030 Btuh
Window Total			233(sqft)			7500 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1936		3.3	6358 Btuh
Wall Total			1936			6358 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	432 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		33		12.9	432 Btuh
Door Total			87			1123Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1800		1.2	2121 Btuh
Ceiling Total			1800			2121Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	242.0 ft(p)		43.7	10566 Btuh
Floor Total			242			10566 Btuh
Envelope Subtotal:						27668 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		Load
	Natural	0.14	14400	1936	33.6	1361 Btuh
Ductload					(DLM of 0.000)	0 Btuh
All Zones	Sensible Subtotal All Zones					29029 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

Code Only
Professional Version
Climate: North

5/17/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	29029 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	29029 Btuh

EQUIPMENT

1. Electric Heat Pump	#	30000 Btuh
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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)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Glen Keen
Lot 59 Rolling Meadows
Lake city, Fl

Project Title:
Keen Rolling Meadows

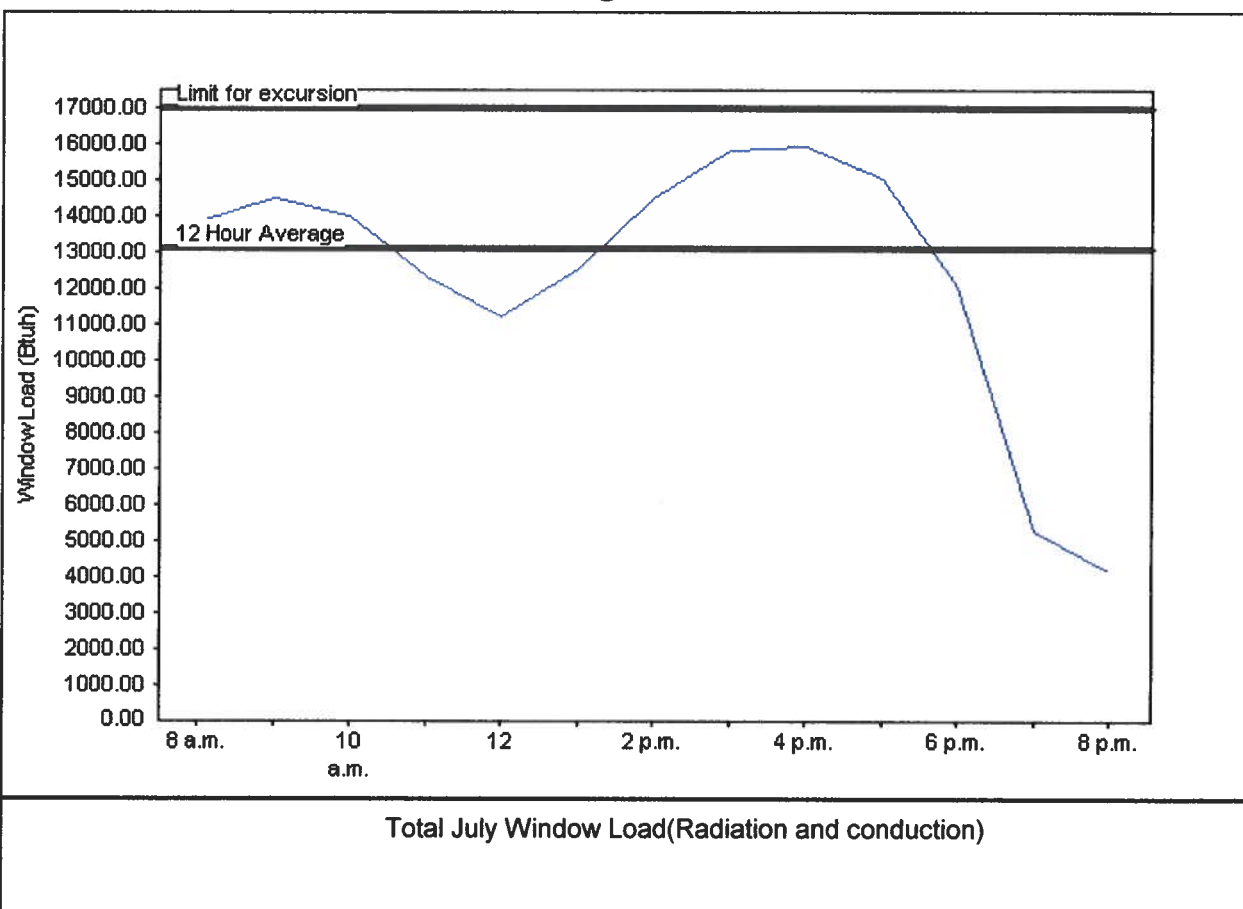
Code Only
Professional Version
Climate: North

5/17/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	13080 Btu
Summer setpoint	75 F	Peak window load for July	15911 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	17004 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.

This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2



BUILDING INPUT SUMMARY REPORT

PROJECT	Title:	Keen Rolling Meadows	Family Type:	Single	Address Type:	Lot Information		
	Owner:	Glen Keen	New/Existing:	New	Lot #:	(blank)		
	# of Units:	1	Bedrooms:	3	Subdivision:	(blank)		
	Builder Name:	Jason Elixson Construction	Conditioned Area:	1800	Platbook:	(blank)		
	Climate:	North	Total Stories:	1	Street:	N/A		
	Permit Office:	(blank)	Worst Case:	Yes	County:	Columbia		
	Jurisdiction #:	(blank)	Rotate Angle:	0	City, St, Zip:	Lake city, Fl,		
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	242.0(p) ft	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	1800.0 ft²	1800.0 ft²	1		
	Credit Multipliers: None							
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1936.0 ft²	1		
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	N	18.0 ft²	0.0 ft	0.0 ft	2
	2	Double	Clear	N	6.0 ft²	0.0 ft	0.0 ft	1
	3	Double	Clear	E	6.0 ft²	0.0 ft	0.0 ft	1
	4	Double	Clear	E	10.0 ft²	0.0 ft	0.0 ft	2
	5	Double	Clear	E	30.0 ft²	0.0 ft	0.0 ft	1
	6	Double	Clear	E	15.0 ft²	0.0 ft	0.0 ft	1
	7	Double	Clear	S	15.0 ft²	0.0 ft	0.0 ft	2
	8	Double	Clear	S	4.0 ft²	0.0 ft	0.0 ft	1
	9	Double	Clear	W	18.0 ft²	0.0 ft	0.0 ft	3
10	Double	Clear	W	8.0 ft²	0.0 ft	0.0 ft	4	
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	33.3 ft²	1			
	2	Insulated	Exterior	20.0 ft²	1			
	3	Insulated	Exterior	33.3 ft²	1			
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	30.0 kBtu/hr				
	Credit Multipliers: PT							
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	HSPF: 7.70	30.0 kBtu/hr				
	Credit Multipliers: PT							
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Cond.	Cond.	Interior	6.0	160.0 ft		
	Credit Multipliers: None							
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.93	40.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0		
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp		
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric		
	Area Under Incandescent:	1800.0	Leak Free Duct System Proposed:	No	Stove Type:	Electric		
	NOTE: Not all Rating info shown	HRV/ERV System Present?:	No	Avg Cell Hgt:				

PLATE 017 THICK GALVANIZED STEEL
ROLL-FORMED WITH STUCCO EMBOSSED PANELS
DECAYED AND THICK GALVANIZED STEEL
ROLL-FORMED WITH WOOD GRAIN EMBOSSED PANELS

DOCK NUMBER	SECTION				BOTTOM ELEVATION
	TOP SECTION	MID-SECTION	INTERSECTION	INTERSECTION SECTION	
1	19.17	19.17	19.17	19.17	24.77
2	19.17	19.17	19.17	19.17	24.77
3	19.17	19.17	19.17	19.17	24.77
4	19.17	19.17	19.17	19.17	24.77
5	19.17	19.17	19.17	19.17	24.77
6	19.17	19.17	19.17	19.17	24.77
7	19.17	19.17	19.17	19.17	24.77
8	19.17	19.17	19.17	19.17	24.77
9	19.17	19.17	19.17	19.17	24.77
10	19.17	19.17	19.17	19.17	24.77
11	19.17	19.17	19.17	19.17	24.77
12	19.17	19.17	19.17	19.17	24.77
13	19.17	19.17	19.17	19.17	24.77
14	19.17	19.17	19.17	19.17	24.77
15	19.17	19.17	19.17	19.17	24.77
16	19.17	19.17	19.17	19.17	24.77
17	19.17	19.17	19.17	19.17	24.77
18	19.17	19.17	19.17	19.17	24.77
19	19.17	19.17	19.17	19.17	24.77
20	19.17	19.17	19.17	19.17	24.77
21	19.17	19.17	19.17	19.17	24.77
22	19.17	19.17	19.17	19.17	24.77
23	19.17	19.17	19.17	19.17	24.77
24	19.17	19.17	19.17	19.17	24.77
25	19.17	19.17	19.17	19.17	24.77
26	19.17	19.17	19.17	19.17	24.77
27	19.17	19.17	19.17	19.17	24.77
28	19.17	19.17	19.17	19.17	24.77
29	19.17	19.17	19.17	19.17	24.77
30	19.17	19.17	19.17	19.17	24.77
31	19.17	19.17	19.17	19.17	24.77
32	19.17	19.17	19.17	19.17	24.77
33	19.17	19.17	19.17	19.17	24.77
34	19.17	19.17	19.17	19.17	24.77
35	19.17	19.17	19.17	19.17	24.77
36	19.17	19.17	19.17	19.17	24.77
37	19.17	19.17	19.17	19.17	24.77
38	19.17	19.17	19.17	19.17	24.77
39	19.17	19.17	19.17	19.17	24.77
40	19.17	19.17	19.17	19.17	24.77
41	19.17	19.17	19.17	19.17	24.77
42	19.17	19.17	19.17	19.17	24.77
43	19.17	19.17	19.17	19.17	24.77
44	19.17	19.17	19.17	19.17	24.77
45	19.17	19.17	19.17	19.17	24.77
46	19.17	19.17	19.17	19.17	24.77
47	19.17	19.17	19.17	19.17	24.77
48	19.17	19.17	19.17	19.17	24.77
49	19.17	19.17	19.17	19.17	24.77
50	19.17	19.17	19.17	19.17	24.77
51	19.17	19.17	19.17	19.17	24.77
52	19.17	19.17	19.17	19.17	24.77
53	19.17	19.17	19.17	19.17	24.77
54	19.17	19.17	19.17	19.17	24.77
55	19.17	19.17	19.17	19.17	24.77
56	19.17	19.17	19.17	19.17	24.77
57	19.17	19.17	19.17	19.17	24.77
58	19.17	19.17	19.17	19.17	24.77
59	19.17	19.17	19.17	19.17	24.77
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61	19.17	19.17	19.17	19.17	24.77
62	19.17	19.17	19.17	19.17	24.77
63	19.17	19.17	19.17	19.17	24.77
64	19.17	19.17	19.17	19.17	24.77
65	19.17	19.17	19.17	19.17	24.77
66	19.17	19.17	19.17	19.17	24.77
67	19.17	19.17	19.17	19.17	24.77
68	19.17	19.17	19.17	19.17	24.77
69	19.17	19.17	19.17	19.17	24.77
70	19.17	19.17	19.17	19.17	24.77
71	19.17	19.17	19.17	19.17	24.77
72	19.17	19.17	19.17	19.17	24.77
73	19.17	19.17	19.17	19.17	24.77
74	19.17	19.17	19.17	19.17	24.77
75	19.17	19.17	19.17	19.17	24.77
76	19.17	19.17	19.17	19.17	24.77
77	19.17	19.17	19.17	19.17	24.77
78	19.17	19.17	19.17	19.17	24.77
79	19.17	19.17	19.17	19.17	24.77
80	19.17	19.17	19.17	19.17	24.77
81	19.17	19.17	19.17	19.17	24.77
82	19.17	19.17	19.17	19.17	24.77
83	19.17	19.17	19.17	19.17	24.77
84	19.17	19.17	19.17	19.17	24.77
85	19.17	19.17	19.17	19.17	24.77
86	19.17	19.17	19.17	19.17	24.77
87	19.17	19.17	19.17	19.17	24.77
88	19.17	19.17	19.17	19.17	24.77
89	19.17	19.17	19.17	19.17	24.77
90	19.17	19.17	19.17	19.17	24.77
91	19.17	19.17	19.17	19.17	24.77
92	19.17	19.17	19.17	19.17	24.77
93	19.17	19.17	19.17	19.17	24.77
94	19.17	19.17	19.17	19.17	24.77
95	19.17	19.17	19.17	19.17	24.77
96	19.17	19.17	19.17	19.17	24.77
97	19.17	19.17	19.17	19.17	24.77
98	19.17	19.17	19.17	19.17	24.77
99	19.17	19.17	19.17	19.17	24.77
100	19.17	19.17	19.17	19.17	24.77

DOSE	SECTION BY BED DATE				
	TOP	INTERMEDIATE	INTERMEDIATE	INTERMEDIATE	BOTTOM
REAGENT	SECTION	SECTION	SECTION	SECTION	SECTION
1	10/12	10/12	10/12	10/12	10/12
2	10/12	10/12	10/12	10/12	10/12
3	10/12	10/12	10/12	10/12	10/12
4	10/12	10/12	10/12	10/12	10/12
5	10/12	10/12	10/12	10/12	10/12
6	10/12	10/12	10/12	10/12	10/12
7	10/12	10/12	10/12	10/12	10/12
8	10/12	10/12	10/12	10/12	10/12
9	10/12	10/12	10/12	10/12	10/12
10	10/12	10/12	10/12	10/12	10/12
11	10/12	10/12	10/12	10/12	10/12
12	10/12	10/12	10/12	10/12	10/12
13	10/12	10/12	10/12	10/12	10/12
14	10/12	10/12	10/12	10/12	10/12
15	10/12	10/12	10/12	10/12	10/12
16	10/12	10/12	10/12	10/12	10/12
17	10/12	10/12	10/12	10/12	10/12
18	10/12	10/12	10/12	10/12	10/12
19	10/12	10/12	10/12	10/12	10/12
20	10/12	10/12	10/12	10/12	10/12
21	10/12	10/12	10/12	10/12	10/12
22	10/12	10/12	10/12	10/12	10/12
23	10/12	10/12	10/12	10/12	10/12
24	10/12	10/12	10/12	10/12	10/12
25	10/12	10/12	10/12	10/12	10/12
26	10/12	10/12	10/12	10/12	10/12
27	10/12	10/12	10/12	10/12	10/12
28	10/12	10/12	10/12	10/12	10/12
29	10/12	10/12	10/12	10/12	10/12
30	10/12	10/12	10/12	10/12	10/12
31	10/12	10/12	10/12	10/12	10/12
32	10/12	10/12	10/12	10/12	10/12
33	10/12	10/12	10/12	10/12	10/12
34	10/12	10/12	10/12	10/12	10/12
35	10/12	10/12	10/12	10/12	10/12
36	10/12	10/12	10/12	10/12	10/12
37	10/12	10/12	10/12	10/12	10/12
38	10/12	10/12	10/12	10/12	10/12
39	10/12	10/12	10/12	10/12	10/12
40	10/12	10/12	10/12	10/12	10/12
41	10/12	10/12	10/12	10/12	10/12
42	10/12	10/12	10/12	10/12	10/12
43	10/12	10/12	10/12	10/12	10/12
44	10/12	10/12	10/12	10/12	10/12
45	10/12	10/12	10/12	10/12	10/12
46	10/12	10/12	10/12	10/12	10/12
47	10/12	10/12	10/12	10/12	10/12
48	10/12	10/12	10/12	10/12	10/12
49	10/12	10/12	10/12	10/12	10/12
50	10/12	10/12	10/12	10/12	10/12
51	10/12	10/12	10/12	10/12	10/12
52	10/12	10/12	10/12	10/12	10/12
53	10/12	10/12	10/12	10/12	10/12
54	10/12	10/12	10/12	10/12	10/12
55	10/12	10/12	10/12	10/12	10/12
56	10/12	10/12	10/12	10/12	10/12
57	10/12	10/12	10/12		

END STILES
604. (ACTION) GALVANIZED STEEL
FINISHED AND BOWWELDED TO FRAME

TRACK BRACKET SPACING				
DOOR HEIGHT	B1	B2	B3	B4
8'-0"	12"	20"	48"	—
8'-6"	12"	20"	48"	—
9'-0"	12"	20"	48"	—
9'-6"	12"	20"	48"	—
10'-0"	12"	20"	48"	—
10'-6"	12"	20"	48"	—
11'-0"	12"	20"	48"	—
11'-6"	12"	20"	48"	—
12'-0"	12"	20"	48"	—
12'-6"	12"	20"	48"	—
13'-0"	12"	20"	48"	—
13'-6"	12"	20"	48"	—
14'-0"	12"	20"	48"	—
14'-6"	12"	20"	48"	—
15'-0"	12"	20"	48"	—
15'-6"	12"	20"	48"	—
16'-0"	12"	20"	48"	—
16'-6"	12"	20"	48"	—
17'-0"	12"	20"	48"	—
17'-6"	12"	20"	48"	—
18'-0"	12"	20"	48"	—
18'-6"	12"	20"	48"	—
19'-0"	12"	20"	48"	—
19'-6"	12"	20"	48"	—
20'-0"	12"	20"	48"	—
20'-6"	12"	20"	48"	—
21'-0"	12"	20"	48"	—
21'-6"	12"	20"	48"	—
22'-0"	12"	20"	48"	—
22'-6"	12"	20"	48"	—
23'-0"	12"	20"	48"	—
23'-6"	12"	20"	48"	—
24'-0"	12"	20"	48"	—
24'-6"	12"	20"	48"	—
25'-0"	12"	20"	48"	—
25'-6"	12"	20"	48"	—
26'-0"	12"	20"	48"	—
26'-6"	12"	20"	48"	—
27'-0"	12"	20"	48"	—
27'-6"	12"	20"	48"	—
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28'-6"	12"	20"	48"	—
29'-0"	12"	20"	48"	—
29'-6"	12"	20"	48"	—
30'-0"	12"	20"	48"	—
30'-6"	12"	20"	48"	—
31'-0"	12"	20"	48"	—
31'-6"	12"	20"	48"	—
32'-0"	12"	20"	48"	—
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36'-0"	12"	20"	48"	—
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37'-0"	12"	20"	48"	—
37'-6"	12"	20"	48"	—
38'-0"	12"	20"	48"	—
38'-6"	12"	20"	48"	—
39'-0"	12"	20"	48"	—
39'-6"	12"	20"	48"	—
40'-0"	12"	20"	48"	—
40'-6"	12"	20"	48"	—
41'-0"	12"	20"	48"	—
41'-6"	12"	20"	48"	—
42'-0"	12"	20"	48"	—
42'-6"	12"	20"	48"	—
43'-0"	12"	20"	48"	—
43'-6"	12"	20"	48"	—
44'-0"	12"	20"	48"	—
44'-6"	12"	20"	48"	—
45'-0"	12"	20"	48"	—
45'-6"	12"	20"	48"	—
46'-0"	12"	20"	48"	—
46'-6"	12"	20"	48"	—
47'-0"	12"	20"	48"	—
47'-6"	12"	20"	48"	—
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51'-0"	12"	20"	48"	—
51'-6"	12"	20"	48"	—
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58'-0"	12"	20"	48"	—
58'-6"	12"	20"	48"	—
59'-0"	12"	20"	48"	—
59'-6"	12"	20"	48"	—
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60'-6"	12"	20"	48"	—
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61'-6"	12"	20"	48"	—
62'-0"	12"	20"	48"	—
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63'-6"	12"	20"	48"	—
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66'-6"	12"	20"	48"	—
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67'-6"	12"	20"	48"	—
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73'-6"	12"	20"	48"	—
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84'-6"	12"	20"	48"	—
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85'-6"	12"	20"	48"	—
86'-0"	12"	20"	48"	—
86'-6"	12"	20"	48"	—
87'-0"	12"	20"	48"	—
87'-6"	12"	20"	48"	—
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89'-6"	12"	20"	48"	—
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90'-6"	12"	20"	48"	—
91'-0"	12"	20"	48"	—
91'-6"	12"	20"	48"	—
92'-0"	12"	20"	48"	—
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94'-6"	12"	20"	48"	—
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95'-6"	12"	20"	48"	—
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100'-6"	12"	20"	48"	—

CENTER STILES
BQA (1,000,000) GALVANIZED STEEL
PAVING AND POTWELDE CO PAVING

SECTION B-B

18. PUSH ON RETAINING NUT
 19. REQUIRED PER ROLLER
 SINGLE EDGE HINGE
 20A (2000MM) GALVANIZED STEEL

LIFTING CABLES
PRE-FORMED GALVANIZED
AIRCRAFT-TYPE CABLE
SAFETY FACTOR 5:1 MINIMUM

TOP FUTURE
130A. (continued)

SELF-TAPPING SCREWS
-RIGHT

GLAZING (OPTIONAL) —
NONIMPACT RESISTANT
GLAZING NOT AVAILABLE IN

COLONIAL OLIVES & HONEY

INTERIOR SIDE LOCKS
OR EXTERIOR AUTO LOCK

(1) 1 BAR PER SECTION
FASTEN TO ALL CANTER AND
END STILES USING (2) 1/4" X 5/8"

CORNER BRACKET

STEEL FASTENED WITH (4)
1/4" X 5/8" THREAD-FORMING
SELF-TAPPING SCREWS

VENTS (OPTIONAL)
OPENINGS MAY BE LOCATED IN
AS REQUIRED BY CODE

SECTION A-A

TYPICAL TRACK INSTALLATION

DOORS TESTED PER ASTM E-330

CHARLESTON CLASSIC DECADÉ						
QTY OF CENTER STILES	NO GLASS		COLONIAL GLASS		RANCH GLASS	
	DESIGN	TEST	DESIGN	TEST	DESIGN	TEST
7	1/2"	1/2"	1/2"	1/2"	N/A	N/A
	*18.3	*27.5	*18.3	*27.5		
	10.6	10.6	10.6	10.6		

INTERIOR ELEVATION

4718	07/13/04	DATE	ECO 4718	RELEASED FOR PRODUCTION	4718	DATE	ECO 4718	RELEASED FOR PRODUCTION	4718	DATE	ECO 4718
											
DRAWN BY: M. McGinnis CHECKED BY: D. Wessinger DATE: 07/13/04											

PLAYING



ELK

ROOFING PRODUCTS SPECIFICATIONS - TUUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

Prestique Plus High Definition and Prestique Gallery Collection

Product size	13 1/4" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	11

30-year limited warranty period:
5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Raised Profile

Product size	13 1/4" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16

30-year limited warranty period:
5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

Prestique Gallery Collection

Product size	13 1/4" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq. ft.
Squares/Pallet	14

40-year limited warranty period:
5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size:	12" x 12"
Exposure:	6 1/2"
Pieces/Bundle:	45
Coverage:	4 Bundles = 100 linear feet

Vented RidgeCrest™ w/FLX

Size:	13" x 13"
Exposure:	9 1/2"
Pieces/Box:	26
Coverage:	5 boxes = 100 linear feet

Prestique High Definition

Product size	13 1/4" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16

30-year limited warranty period:
5-7** years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood, Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard™ treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

Effective January 1, 2004, the seven year non-prorated Underlayment Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all eaves and gable edges, an Elk vented roof system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the eaves and gable edges of the roof in and north of the states of VA, KY, OH, IN, CO, UT, AK & OR. *For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 8" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Sales Center for additional information.

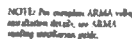
MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low Slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two pieces of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

Please read carefully. Failure to follow these instructions may void the product warranty.
Typical instruction for illustration purposes only.



These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty in some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attic should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

Roof decks should be dry, well-seasoned 1" x 6 boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16 oriented strandboard, or 7/16" chipboard.

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt, Elk Versashield[®] or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slopes (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 18". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

For steeper slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

USE AN ELK STARTER STRIP ON THE HEADLAP OF A STRIP SINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" 3/4". Fasten 2" from the lower edge and 1" from each side.

Start at rake and continue course with full shingles laid flush with a starter course. Shingles may be applied with a course alignment of 45° on the roof.

fast the second course of shingles with respect to the first by approximately 8". Other offsets are approved if greater than 4".

Set the next course by 6" with respect to the second course, consistent with the original offset.

Start at the rake and continue with full shingles across roof.

Install application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be trusted around valleys and penetrations.

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

for ridge construction Elk recommend Class "A" Z[®]Ridge or Seal-A-Ridge[®] with formula FLX[™] or RidgeCrest[®] with FLX (See ridge package for installation instruction. Vented RidgeCrest or 3-tab shingles are also approved.

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with nails.

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

For a Limited Wind Warranty, all Prestige and Reload Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.

For a Limited Wind Warranty up to 110 MPH for Prestige Gallery Collection or Prestige Plus or 90 MPH for Prestige Shingles must be applied with 5 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestige Plus, Prestige Gallery Collection and Prestige Shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Starter Strip or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along - and through - the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION. Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

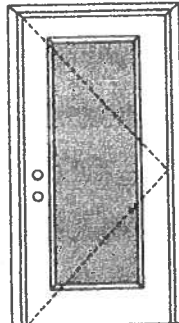
All Pretrique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on ra-roofs as well as new construction.

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. **DO NOT DOUBLE STACK.** Symmetrically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK 

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0011-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection
Premium Quality Doors



Exclusively from
Masonite
Masonite International Corporation

X

Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



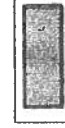
410 Series



450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533

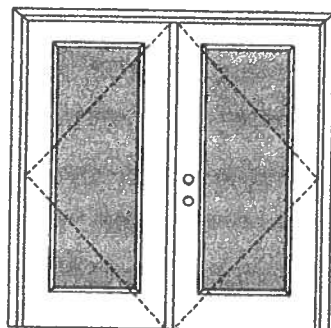


Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door

Maximum unit size = 6'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

* This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



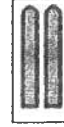
450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsenrko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

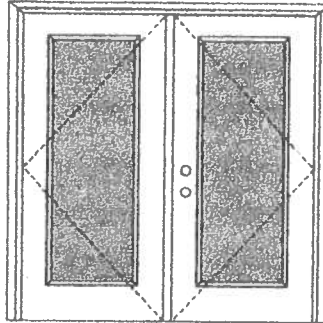
XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

* This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

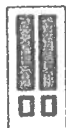
3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthaz

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.atlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center

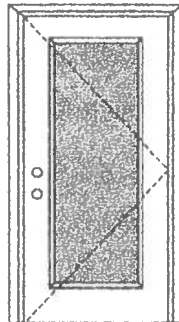
X

Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3020447A and CDP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etscmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0011-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

* This glass kit may also be used in the following door styles: 5-panel, 5-panel with scroll, Eyebrow 5-panel, Eyebrow 5-panel with scroll.

X

Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hervey



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center

Johnson
EntrySystemsExclusively from
Masonite



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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650

TYPE: Aluminum Triple Single Hung Window

Title of Test	Summary of Results
AAMA Rating	H-R35 112 x 72
Uniform Load Deflection Test Pressure	+35.3 psf -47.2 psf
Operating Force	25 lb max.
Air Infiltration	0.16 cfm/ft ²
Water Resistance Test Pressure	5.25 psf
Uniform Load Structural Test Pressure	+53.0 psf -52.5 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 01-41641.01 for complete description and data.





Architectural Testing

AAMA/NWWDA 101/L.S.2-97 TEST REPORT

Rendered to

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

Report No: 01-41641.01
Test Date: 05/13/02
And: 05/16/02
Report Date: 06/05/02
Expiration Date: 05/16/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on a Series/Model 650, aluminum triple single hung window at their facility located in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R35 112 x 72 rating.

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

Test Specimen Description:

Series/Model: 650

Type: Aluminum Triple Single Hung Window

Overall Size: 9' 3-1/2" wide by 5' 11-11/16" high

Active Sash Size (3): 3' 0-1/4" wide by 2' 10-3/4" high

Fixed Daylight Opening Size (3): 2' 8-1/4" wide by 2' 9-1/8" high

Screen Size (3): 2' 9-1/8" wide by 2' 11" high

Finish: All aluminum was painted white.





Test Specimen Description: (Continued)

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" by 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. The meeting rail was secured to the frame utilizing two 1-1/4" screws. The mullions were secured utilizing four #8 x 1-1/4" screws through the head and sill into the mullion screw boss.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each stiles' screw boss.

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



Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper	1	Midspan of each active meeting rail with adjacent keepers
Plastic tilt latch	2	Each active sash meeting rail ends
Metal tilt pin	2	Each active sash bottom rail ends
Balance assembly	2	Each active sash contained one in each jamb
Screen plunger	2	Each screen contained two 4" from rail ends on top rail

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows.

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	25 lbs	30 lbs max.
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.16 cfm/ft ²	0.3 cfm/ft ² max

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

Water Resistance (ASTM E 547-00)
(with and without screen)
WTP = 2.86 psf

No leakage





Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds) @ 15.0 psf (positive) @ 15.0 psf (negative)	0.15" 0.29"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds) @ 22.5 psf (positive) @ 22.5 psf (negative)	0.01" 0.01"	0.29" max. 0.29" max.
2.2 .6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs Right sash, meeting rail Right sash, bottom rail Middle sash, meeting rail Middle sash, bottom rail Left sash, meeting rail Left sash, bottom rail In remaining direction at 50 lbs Right sash, right stile Right sash, left stile Middle sash, right stile Middle sash, left stile Left sash, right stile Left sash, left stile	0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100%
2 .8	Forced Entry Resistance (ASTM F 588-97) Type: A Grade: 10 Lock Manipulation Test Test A1 through A5 Test A7 Lock Manipulation Test	No entry No entry No entry No entry	No entry No entry No entry No entry



Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds)		
	@ 35.3 psf (positive)	0.46"**	0.41" max
	@ 47.2 psf (negative)	0.67"**	0.41" max

**Exceeds L/175 for deflection, but meets all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds)		
@ 53.0 psf (positive)	0.03"	0.29" max
@ 52.5 psf (negative)	0.02"	0.29" max

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

For ARCHITECTURAL TESTING, INC.


Mark A. Hess
Technician

MAH:nlb
01-41641.01


Allen N. Reeves, P.E.
Director - Engineering Services
7 JUNE 2002



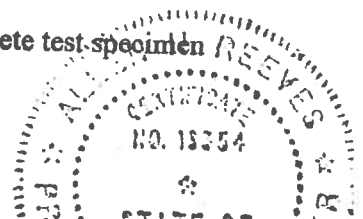
MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

Mark A. Lewis

Mark A. Hosen





Architectural Testing

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

Rendered to

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

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

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

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

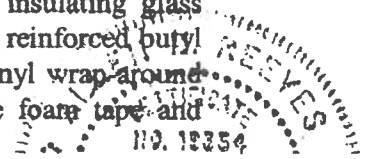
Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.





Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

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

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

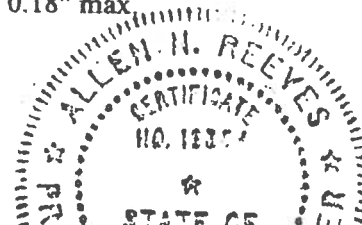
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

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

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Test Specimen Description: (Continued)

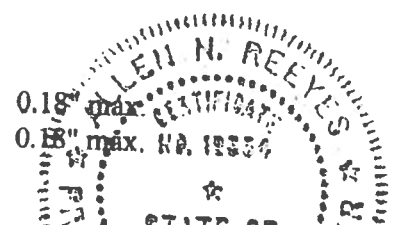
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	
	@ 70.8 psf (negative)	0.05"	



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

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41134.01



Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant **Plans Examiner**

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

Site Plan including:

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

Wind-load Engineering Summary, calculations and any details required

Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
- b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation

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- d) Location, size and height above roof of chimneys.
- e) Location and size of skylights
- f) Building height
- e) Number of stories
- Floor Plan including:**
 - a) Rooms labeled and dimensioned.
 - b) Shear walls identified.
 - c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
 - d) Show safety glazing of glass, where required by code.
 - e) Identify egress windows in bedrooms, and size.
 - f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
 - g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
 - h) Must show and identify accessibility requirements (accessible bathroom)
- Foundation Plan including:**
 - a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
 - b) All posts and/or column footing including size and reinforcing
 - c) Any special support required by soil analysis such as piling
 - d) Location of any vertical steel.
- Roof System:**
 - a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
 - b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- Wall Sections including:**
 - a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
 - 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termiticide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:

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- 100 101

10/10/2016

10/10

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

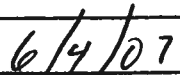
PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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


APPLICANT SIGNATURE


DATE

SCHAFER ENGINEERING, LLC

**7104 N. W. 42ND LANE
GAINESVILLE, FLORIDA 32606**

**JASON ELIXSON CONSTRUCTION \ LOT 59 ROLLING
MEADOWS**

**DESIGNED FOR ONE USE ONLY
NO COPIES ARE TO BE PERMITTED
Florida Building Code \ Latest Edition**

386-462-1340 / 352-375-6329

SCHAFFER ENGINEERING LLC

Trusses: Pre-engineered with manufacturer's required bracing system installed.

Roof sheathing: Type OSB Size 7/16 Fastener type Nails Size 8d/.113 Ring Shank

Interior zone spacing: Interior 6 in. Periphery 4 in.
Edge and end zone spacing: Interior 6 in. Periphery 4 in.

Top double pl: Type Spruce Grade #1 #2 Size 2 x 4 Nail spacing 10 in.

Studs: Wood or Steel: Wood Type Spruce Grade #1 #2 Size 2 x 4

Interior stud spacing 16 in. Composite (yes or no) Y

End stud spacing 16 in. Composite (yes or no) Y

Shearwall siding: Type OSB Thickness 7/16 in.

60' - Trans: Fastener 8d / 13' Spacing: Int 8 in. Edge 4 in.
37' - Long: Fastener 8d / 13' Spacing: Int 8 in. Edge 4 in.

Allowable unit shear on shearwalls: 314 pounds per linear foot

Unit shear transferred from diaphragm: Trans: 62 Long: 52

Wall tension transferred by: Siding nails 8d/13' @ 4 O.C. edges

Foundation anchor bolts: Concrete strength 3000 psi

Size 1/2 in. Shape L Washer 2" Embedment 7 in.

Location of first anchor bolt from corner 8 in.

Anchor Bolts @ 48" O.C. Model A307 Loc. from corner 8 in.

Type of foundation: 1 #5 rebar continuous required in bond beam.

Floor slab 4 in. CMU: Size 8 x 16 in. Height 24 in. Reinf. #5 at 72 in.
Monolithic footing: Depth 20 in. Bottom width 12 in.

Footing: Width 20 in. Depth 10 in. Reinforcing 2 -# 5 bars
Interior Footings: 16" W X 10" D

Porch Columns: 4x4x8 5/8" x 8' RT @ 120" O.C. max.

Porch Column Fasteners: Simpson - C1544 / CC 44 or ECUAL

NOTE:

1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shearwalls.
4. This is a windload only, NOT a structural analysis.
5. This windload is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

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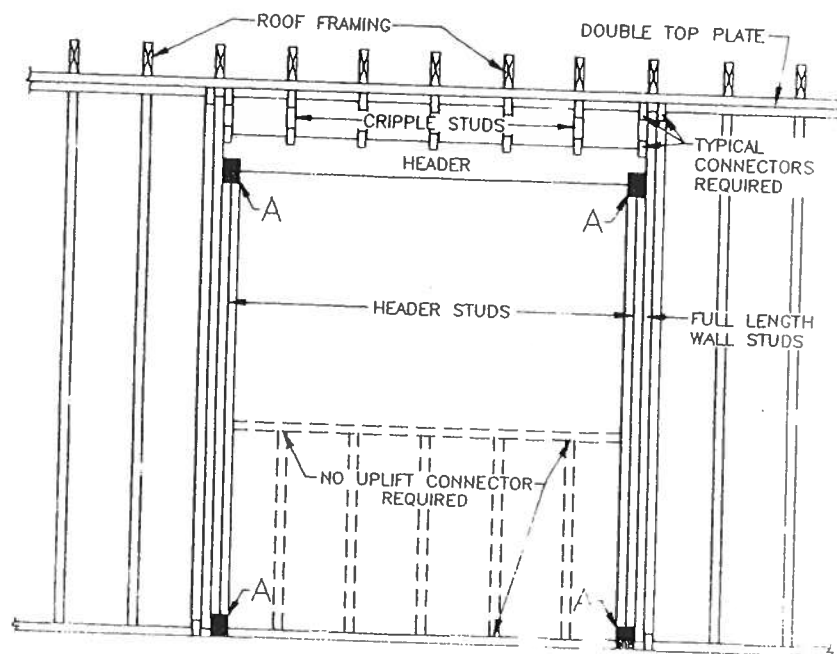
7104 NW 42nd Ln
Gainesville, FL

		Maximum Header Span (ft.)					
		3'	6'	9'	12'	15'	18'
		Number of Header Studs Supporting End of Header					
		1 ¹	1	2	2	2	2
Unsupported Wall Height	Stud Spacing	Number of Full-Length Studs at Each End of Header					
10' or less	12 in.	2	2	3	3	3	3
	16 in.	2	2	3	3	3	3
	24 in.	1	2	2	2	2	2
greater than 10'	12 in.	2	2	3	4	5	5
	16 in.	2	2	3	3	4	4
	24 in.	1	2	2	2	3	3

1. The header stud shall not be required if the header is supported by a suitable framing anchor.

Uplift connection requirement at points A (top and bottom of header studs). Uplift load per framing member above the header from Table 307F-1 or 307A, as appropriate, multiplied by the number of framing members displaced divided by two

NOTE Uplift connection is required at each end of header and at bottom of header studs in addition to connectors at wall studs and at top and bottom of cripples



TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700

Total uplift for each truss resting on the header and divide by 2 to determine the uplift force.
Use proper bolt anchors sufficient to support required load.

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A

Two 12d common toenails are required per truss/rafter per bearing point into plate.
Use proper bolt anchors.
Strap rafters to truss or at each end with minimum uplift resistance of 450# each end.
Strap ridge beam at each end with minimum uplift resistance of 1000#.
It is the contractors' responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300

*or per truss engineering
Use proper bolt anchors
All beams to be sheathed or strapped to Double Top Plate when applicable.

CRIPPLES Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS

Wall sheathing nailing Adequate exterior walls bottom w/8d nails.
Use SP1 & SP2 @32" O.C. on all interior non-sheathed bearing walls.
Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 7" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.

NOTE:

1. For nailing into SPF members, multiply table values by .86
2. See truss engineering for anchor tie-down values.

ASCE 7-02

5/11/07

Wind Load Design per ASCE 7-02

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	8.00	ft
Ridge Height (RHt)	18.41	ft
Mean Roof Height (Ht)	13.52	ft
Width Perp. to Wind (B)	50.67	ft
Width Parallel to Wind (L)	60.84	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.27
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
I =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method		
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
Gust Factor Category II: Rigid Structures - Complete Analysis		
Zm	Zmin	30.00 ft
Izm	Cc * (33/z)^0.167	0.3048
Lzm	I*(zm/33)^Epsilon	309.99 ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9003
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8662
Gust Factor Category III: Flexible or Dynamically Sensitive Structures		
Vhref	V*(5280/3600)	161.33 ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89 ft/s
NF1	NatFreq*Lzm/Vzm	4.37 Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552
Nh	4.6*NatFreq*Ht/Vzm	0.88
Nb	4.6*NatFreq*B/Vzm	3.29
Nd	15.4*NatFreq*Depth/Vzm	13.22
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.6026
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2580
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0728
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6956
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.07

Gust Factor Summary			
Main Wind-force resisting system:		Components and Cladding:	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.87	Gust Factor (G)	0.87

ASCE 7-02

5/11/07

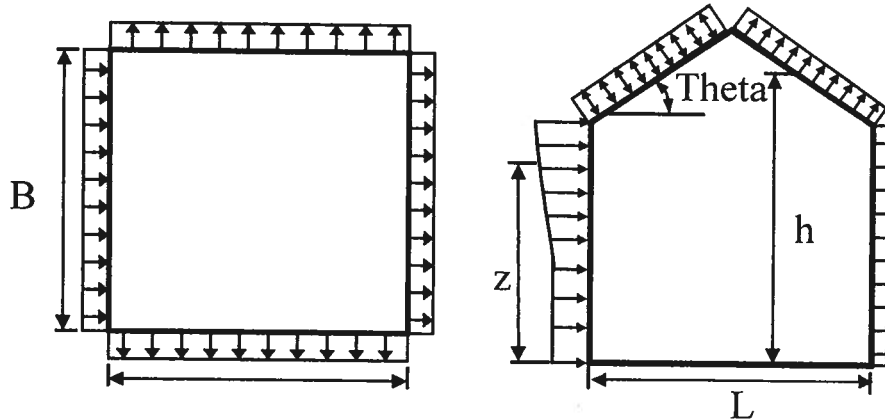
Wind Load Design per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd	qz lb/ft ²	Pressure (lb/ft ²)	
					Windward Wall*	
					+GCpi	-GCpi
18.41	0.70	1.00	1.00	21.70	11.83	18.24
15	0.70	1.00	1.00	21.70	11.83	18.24

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/z_g)^{2/\alpha}$	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	17.80	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 50.67 ft wall)	-0.46	-10.30	-3.89
Leeward Walls (Wind Dir Parallel to 60.84 ft wall)	-0.50	-10.91	-4.51
Side Walls	-0.70	-14.00	-7.59
Roof - Normal to Ridge (Theta >= 10)			
Windward - Max Negative	-0.20	-6.29	0.12
Windward - Max Positive	0.30	1.42	7.83
Leeward Normal to Ridge	-0.60	-12.46	-6.05
Overhang Top	-0.20	-3.08	-3.08
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 6.76 ft	-0.90	-17.08	-10.67
Dist from Windward Edge: 6.76 ft to 13.52 ft	-0.90	-17.08	-10.67
Dist from Windward Edge: 13.52 ft to 27.04 ft	-0.50	-10.91	-4.51

ASCE 7-02

5/11/07

Wind Load Design per ASCE 7-02

Dist from Windward Edge: > 27.04 ft	-0.30	-7.83	-1.42
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* Horizontal distance from windward edge

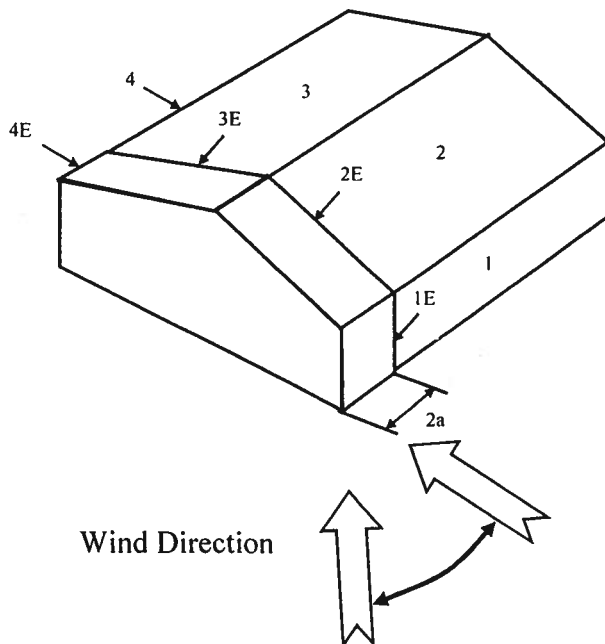
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	$2.01 \cdot (15/z_g)^{(2/\alpha)}$	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	$0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	=	17.80

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* $p = q_h \cdot (GC_{pf} - GC_{pi})$



ASCE 7-02

5/11/07

Wind Load Design per ASCE 7-02

Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht ≤ 60 ft

$$\begin{aligned}
 K_h &= 2.01 \cdot (15/z_g)^{2/\alpha} &= & 0.57 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 17.80
 \end{aligned}$$

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

$$* p = q_h * (GCpf - GCpi)$$

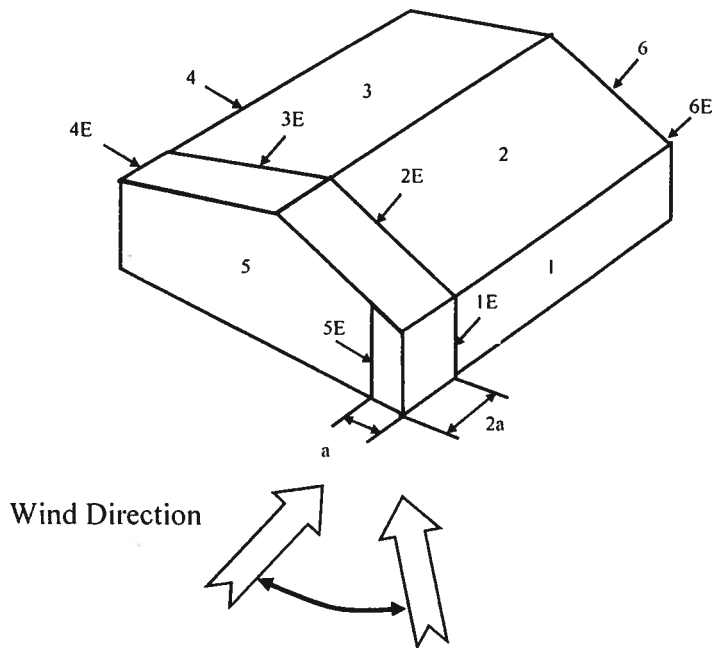


Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht ≤ 60 ft

Wind Load Design per ASCE 7-02

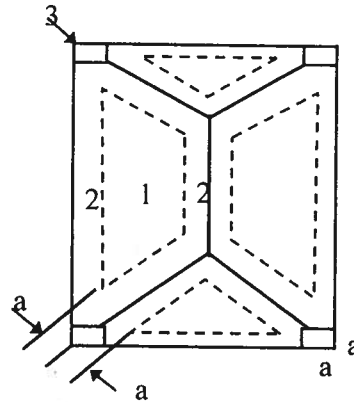

$$a = 5.067 \quad \Rightarrow \quad \boxed{5.07 \text{ ft}}$$
[illegible]

Table 6-7 Internal Pressure Coefficients for Buildings, G_{cpi}

Condition	Gcpi	
	Max +	Max -

ASCE 7-02

5/11/07

Wind Load Design per ASCE 7-02

Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	0.18	-0.18

Table 6-8 External Pressure Coefficients for Arched Roofs, C_p

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	C_p		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	C_p	0.13	-1	-0.5
	P (+GCpi) - psf	-1.28	-18.62	-10.91
	P (-GCpi) -psf	5.13	-12.22	-4.51
Roof Springing from Ground	C_p	0.42	-1	-0.5
	P (+GCpi) - psf	3.27	-18.62	-10.91
	P (-GCpi) -psf	3.27	-18.62	-10.91

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, C_f

Variable	Description	Value	
L	Roof dimension normal to wind direction	60.84	ft
B	Roof dimension parallel to wind direction	50.67	ft
L/B	Ratio of L to B	1.201	
Theta	Slope of Roof	26.6	Deg
C_f	Force Coefficient	1.16	
X	Distance to center of pressure from windward edge	0.41	ft

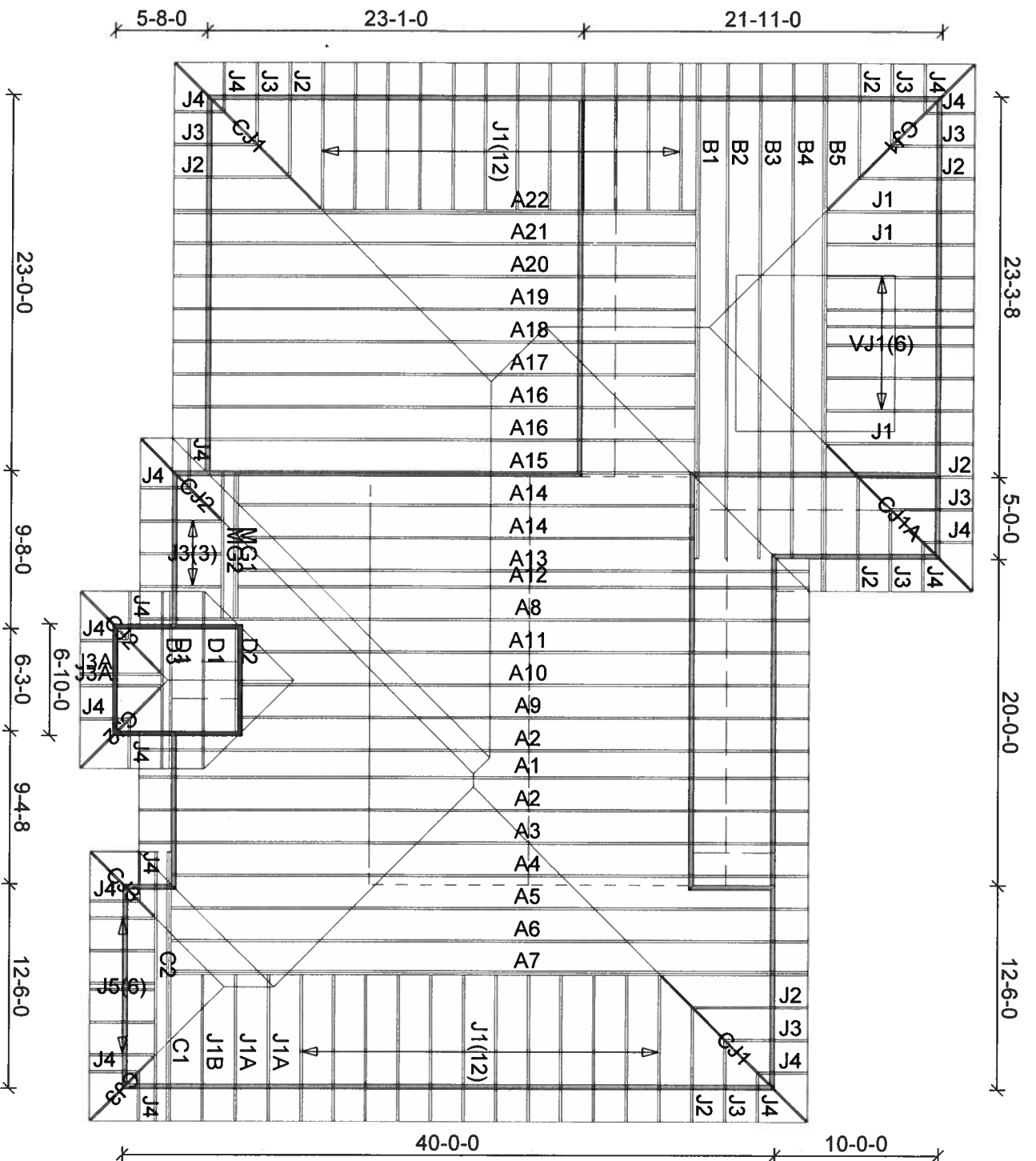
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

ROLLING MEADOWS - LOT 59

110 MPH ASCE WIND LOAD

Roof Loading
 TC Live: 20.00 psf
 TC Dead: 10.00 psf
 BC Live: 0.00 psf
 BC Dead: 10.00 psf
 TC Stress Inc: 25.00
 BC Stress Inc: 25.00
 Spacing: 2'-0" 0 o.c.

Account: CONTRACT
Job: kh-rm59
Designer: M.MURRAY
Checker:
Date: 06-01-07





RE: KH-RM59 -

Site Information:

Project Customer: K & H FRAMING Project Name: ROLLING MEADOWS - 59
Lot/Block: 59 Subdivision: ROLLING MEADOWS
Address: -
City: COLUMBIA COUNTY State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2004/TPI2002 Design Program: Robbins OnLine Plus 21.0.032
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 47 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T2560308	A1	5/31/07	18	T2560325	A18	5/31/07
2	T2560309	A2	5/31/07	19	T2560326	A19	5/31/07
3	T2560310	A3	5/31/07	20	T2560327	A20	5/31/07
4	T2560311	A4	5/31/07	21	T2560328	A21	5/31/07
5	T2560312	A5	5/31/07	22	T2560329	A22	5/31/07
6	T2560313	A6	5/31/07	23	T2560330	B1	5/31/07
7	T2560314	A7	5/31/07	24	T2560331	B2	5/31/07
8	T2560315	A8	5/31/07	25	T2560332	B3	5/31/07
9	T2560316	A9	5/31/07	26	T2560333	B4	5/31/07
10	T2560317	A10	5/31/07	27	T2560334	B5	5/31/07
11	T2560318	A11	5/31/07	28	T2560335	C1	5/31/07
12	T2560319	A12	5/31/07	29	T2560336	C2	5/31/07
13	T2560320	A13	5/31/07	30	T2560337	CJ1	5/31/07
14	T2560321	A14	5/31/07	31	T2560338	CJ1A	5/31/07
15	T2560322	A15	5/31/07	32	T2560339	CJ2	5/31/07
16	T2560323	A16	5/31/07	33	T2560340	CJ3	5/31/07
17	T2560324	A17	5/31/07	34	T2560341	D1	5/31/07

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Magid, Michael

My license renewal date for the state of Florida is February 28, 2009.

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

6904 Parke East Boulevard
Tampa, FL 33610-4115

Phone: 813-972-1135 • Fax: 813-971-6117
www.robbseng.com

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007

DALLAS

TAMPA

FT. WORTH

RE: KH-RM59 -

Site Information:

Project Customer: K & H FRAMING Project Name: ROLLING MEADOWS - 59

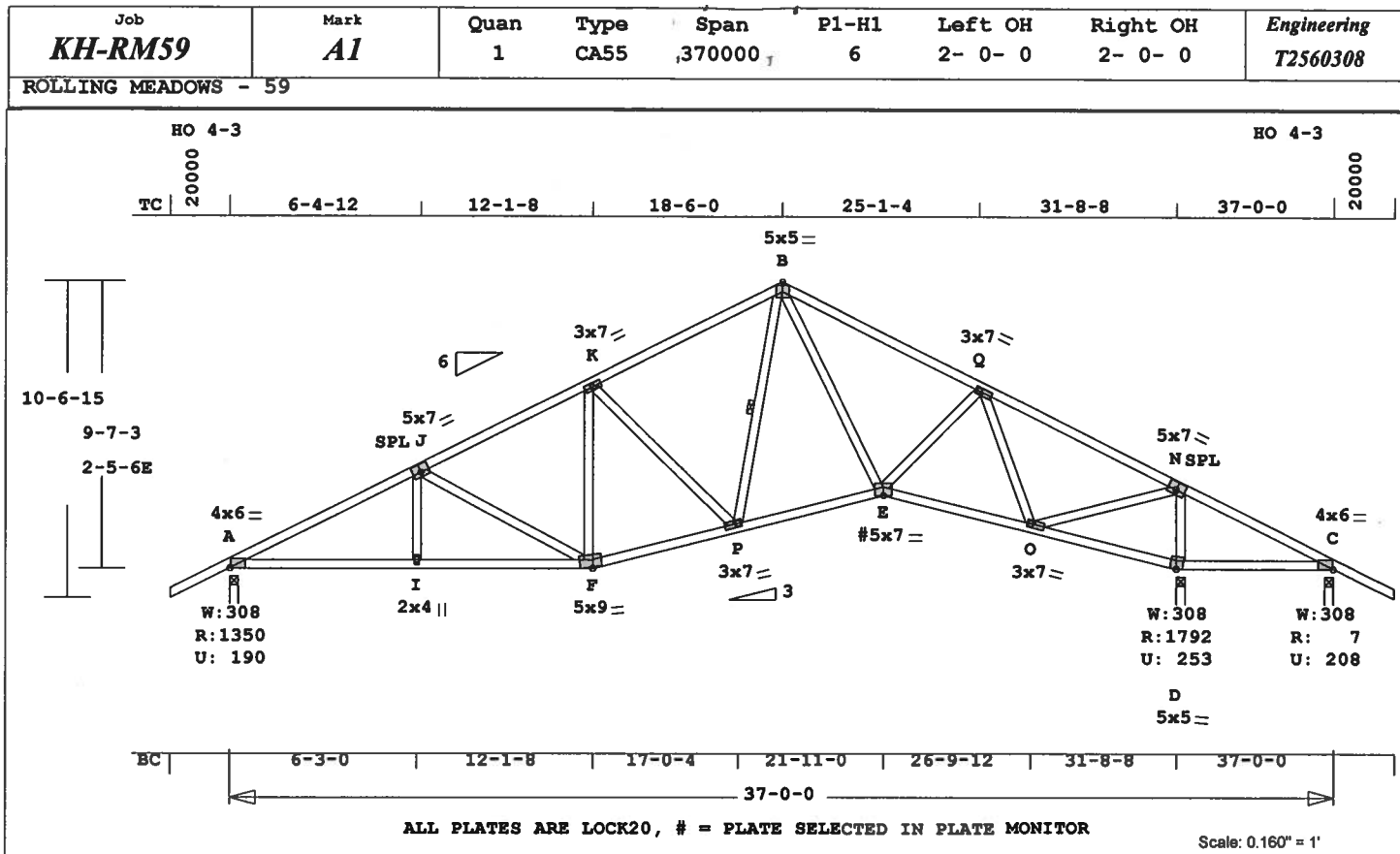
Lot/Block: 59 Subdivision: ROLLING MEADOWS

Address: -

City: COLUMBIA COUNTY

State: FL

No.	Seal#	Truss Name	Date
35	T2560342	D2	5/31/07
36	T2560343	D3	5/31/07
37	T2560344	J1	5/31/07
38	T2560345	J1A	5/31/07
39	T2560346	J1B	5/31/07
40	T2560347	J2	5/31/07
41	T2560348	J3	5/31/07
42	T2560349	J3A	5/31/07
43	T2560350	J4	5/31/07
44	T2560351	J5	5/31/07
45	T2560352	MG1	5/31/07
46	T2560353	MG2	5/31/07
47	T2560354	VJ1	5/31/07



Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
 TC 0.51 2x 4 SP-#2
 BC 0.50 2x 4 SP-#2
 WB 0.28 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 37- 0- 0
 BC Cont. 0- 0- 0 37- 0- 0
 WB 1 rows CLB on P -B
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 1351 191 U 199 R
 D 1792 254 U
 C 7 209 U 197 R

Jt Brg Size Required
 A 3.5" 1.6"
 D 3.5" 1.9"
 C 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -J	0.36	2149 C	0.13	0.23
J -K	0.41	1652 C	0.11	0.30
K -B	0.40	1383 C	0.01	0.39
B -Q	0.44	1599 C	0.11	0.33
Q -N	0.41	1093 C	0.08	0.33
N -C	0.51	576 T	0.10	0.41
-----Bottom Chords-----				
A -I	0.42	1923 T	0.32	0.10
I -F	0.40	1923 T	0.32	0.08
F -P	0.31	1529 T	0.25	0.06
P -E	0.26	1185 T	0.20	0.06
E -O	0.33	1289 T	0.21	0.12
O -D	0.50	518 C	0.00	0.50

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 259.3 LBS
 D -C 0.34 489 C 0.00 0.34
 -----Webs-----
 I -J 0.03 240 T
 J -F 0.26 499 C
 F -K 0.01 110 T
 K -P 0.21 353 C
 P -B 0.07 441 T 1 Br
 B -E 0.17 596 T
 E -Q 0.04 257 T
 Q -O 0.27 849 C
 O -N 0.28 1519 T
 D -N 0.18 1540 C

TL Defl -0.11" in D -C L/528
 LL Defl -0.05" in D -C L/999
 Hz Disp LL DL TL
 Jt D 0.05" 0.05" 0.10"
 Shear // Grain in K -B 0.24

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 4.0x 6.0 Ctr 0.1 0.71
 J LOCK 5.0x 7.0-0.2 0.5 0.75
 K LOCK 3.0x 7.0 Ctr Ctr 0.43
 B LOCK 5.0x 5.0 Ctr Ctr 0.76
 Q LOCK 3.0x 7.0 Ctr Ctr 0.40
 N LOCK 5.0x 7.0 0.2 0.5 0.75
 C LOCK 4.0x 6.0 Ctr 0.1 0.71
 I LOCK 2.0x 4.0 Ctr Ctr 0.46
 F LOCK 5.0x 9.0-0.9 3.0 0.70
 P LOCK 3.0x 7.0 Ctr Ctr 0.41
 E# LOCK 5.0x 7.0 Ctr-1.1 0.65
 O LOCK 3.0x 7.0 Ctr Ctr 0.45
 D LOCK 5.0x 5.0 0.3 2.8 0.65

= Plate Monitor used

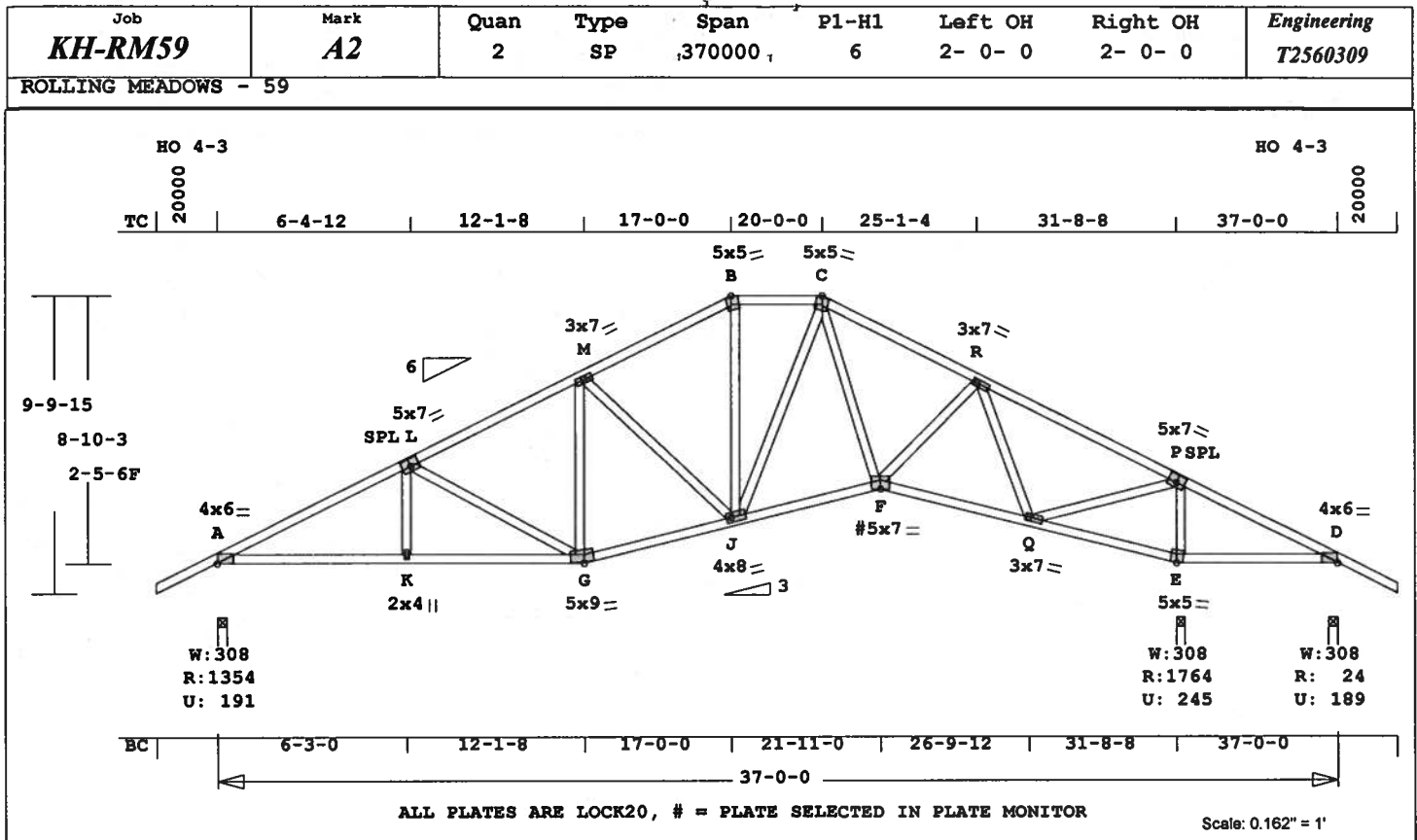
REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.

Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 31- 8- 8 37- 0- 0
 Max comp. force 2149 Lbs
 Max tens. force 1923 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.7 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----

TC	0.51	2x 4	SP-#2
BC	0.49	2x 4	SP-#2
WB	0.27	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	37- 0- 0
BC Cont.	0- 0- 0	37- 0- 0

psf-Ld Dead Live

TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15 Fc=1.10 Ft=1.10		
BC Fb=1.10 Fc=1.10 Ft=1.10		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1355	192 U	183 R
E	1764	245 U	
D	25	189 U	182 R

Jt Brg Size Required

A	3.5"	1.6"
E <th>3.5"</th> <th>1.9"</th>	3.5"	1.9"
D <th>3.5"</th> <th>1.5"</th>	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI F Lbs Axl-CSt-Bnd

-----Top Chords-----				
A -L	0.37	2161 C	0.13	0.24
L -M	0.35	1655 C	0.11	0.24
M -B	0.33	1411 C	0.10	0.23
B -C	0.18	1255 C	0.10	0.08
C -R	0.39	1637 C	0.11	0.28
R -P	0.43	1121 C	0.01	0.42
P -D	0.51	522 T	0.09	0.42
-----Bottom Chords-----				
A -K	0.42	1935 T	0.32	0.10
K -G	0.39	1935 T	0.32	0.07
G -J	0.31	1525 T	0.25	0.06
J -F	0.29	1313 T	0.22	0.07
F -Q	0.34	1305 T	0.21	0.13
Q -E	0.49	467 C	0.00	0.49
E -D	0.34	439 C	0.00	0.34

-----Wabs-----

K	-L	0.03	239 T
L <td>-G</td> <td>0.27</td> <td>516 C</td>	-G	0.27	516 C
G <td>-M</td> <td>0.01</td> <td>119 T</td>	-M	0.01	119 T
M <td>-J</td> <td>0.18</td> <td>306 C</td>	-J	0.18	306 C
J <td>-B</td> <td>0.14</td> <td>396 T</td>	-B	0.14	396 T
J <td>-C</td> <td>0.09</td> <td>129 C</td>	-C	0.09	129 C
C <td>-F</td> <td>0.11</td> <td>580 T</td>	-F	0.11	580 T
F <td>-R</td> <td>0.04</td> <td>267 T</td>	-R	0.04	267 T
R <td>-Q</td> <td>0.26</td> <td>830 C</td>	-Q	0.26	830 C
Q <td>-P</td> <td>0.27</td> <td>1492 T</td>	-P	0.27	1492 T
E <td>-P</td> <td>0.18</td> <td>1526 C</td>	-P	0.18	1526 C

TL Defl -0.10" in E -D L/539
LL Defl -0.05" in E -D L/999
Hx Disp LL DL TL
Jt E 0.05" 0.05" 0.10"
Shear // Grain in R -P 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.71
L LOCK 5.0x 7.0-0.2 0.5 0.75
M LOCK 3.0x 7.0 Ctr Ctr 0.43
B LOCK 5.0x 5.0 0.7-3.0 0.65
C LOCK 5.0x 5.0-0.3-3.2 0.80
R LOCK 3.0x 7.0 Ctr Ctr 0.40
P LOCK 5.0x 7.0 0.2 0.5 0.75
D LOCK 4.0x 6.0 Ctr 0.1 0.71
K LOCK 2.0x 4.0 Ctr Ctr 0.46
G LOCK 5.0x 9.0-0.9 3.0 0.70
J LOCK 4.0x 8.0 Ctr Ctr 0.51
F# LOCK 5.0x 7.0 Ctr-1.1 0.65
Q LOCK 3.0x 7.0 Ctr Ctr 0.44
E LOCK 5.0x 5.0 0.3 2.8 0.65

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as Components and Claddings* for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC regions --From-- --To--

31- 8- 8 37- 0- 0

Max comp. force 2161 Lbs

Max tens. force 1935 Lbs

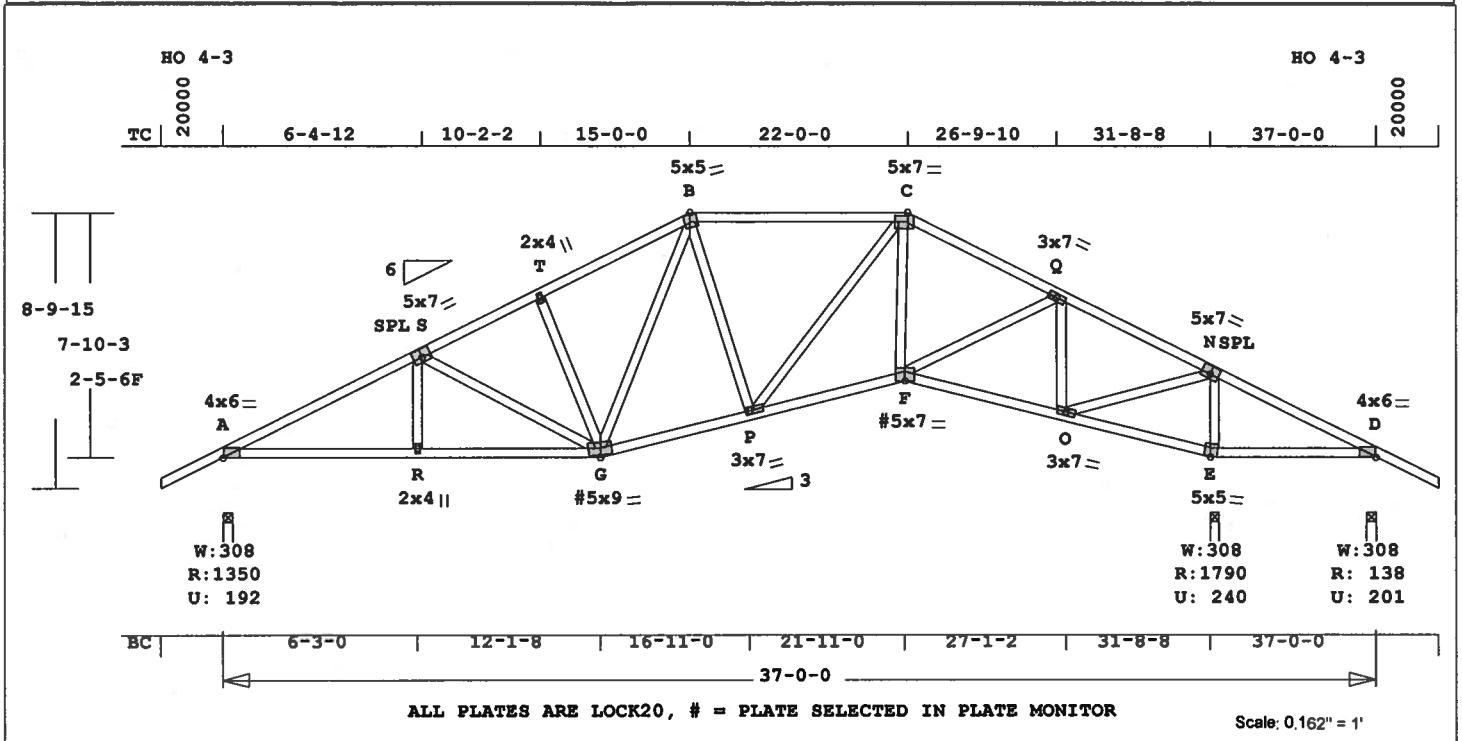
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007

Job KH-RM59	Mark A3	Quan 1	Type SP	Span 370000	P1-H1 6	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T2560310
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ROLLING MEADOWS - 59



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 265.1 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
TC 0.49 2x 4 SP-#2
BC 0.50 2x 4 SP-#2
WB 0.28 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 37- 0- 0
BC Cont. 0- 0- 0 37- 0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1351 192 U 161 R
E 1791 240 U
D 138 201 U 160 R

Jt Brg Size Required
A 3.5" 1.6"
E 3.5" 1.9"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CST-Bnd
-----Top Chords-----
A -S 0.34 2139 C 0.06 0.28
S -T 0.30 1687 C 0.10 0.20
T -B 0.28 1591 C 0.11 0.17
B -C 0.49 1411 C 0.02 0.47
C -Q 0.31 1663 C 0.01 0.30
Q -N 0.33 1104 C 0.00 0.33
N -D 0.43 586 T 0.10 0.33
-----Bottom Chords-----
A -R 0.43 1912 T 0.32 0.11
R -G 0.46 1912 T 0.32 0.14
G -P 0.32 1403 T 0.23 0.09
P -F 0.37 1530 T 0.25 0.12
F -O 0.32 1007 T 0.16 0.16
O -E 0.50 532 C 0.00 0.50
E -D 0.34 502 C 0.00 0.34
-----Webs-----

R -S 0.03 236 T
S -G 0.24 456 C
T -G 0.08 236 T
G -B 0.14 198 T
B -P 0.03 236 T
P -C 0.11 145 C
F -C 0.08 467 T
F -Q 0.10 574 T
O -Q 0.15 759 C
O -N 0.28 1541 T
E -N 0.18 1535 C

TL Defl -0.11" in E -D L/510
LL Defl -0.05" in E -D L/999
Hx Disp LL DL TL
Jt E 0.05" 0.05" 0.11"
Shear // Grain in B -C 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RES 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.71
S LOCK 5.0x 7.0-0.2 0.5 0.75
T LOCK 2.0x 4.0 Ctr Ctr 0.46
B LOCK 5.0x 5.0 0.3-3.2 0.79
C LOCK 5.0x 7.0 0.5-0.1 0.96
Q LOCK 3.0x 7.0 Ctr Ctr 0.41
N LOCK 5.0x 7.0 0.2 0.5 0.75
D LOCK 4.0x 6.0 Ctr 0.1 0.71
R LOCK 2.0x 4.0 Ctr Ctr 0.46
G# LOCK 5.0x 9.0-0.3 3.5 0.75
P LOCK 3.0x 7.0 Ctr Ctr 0.43
F# LOCK 5.0x 7.0 Ctr-1.1 0.65
O LOCK 3.0x 7.0 Ctr Ctr 0.49
E LOCK 5.0x 5.0 0.3 2.8 0.65

= Plate Monitor used

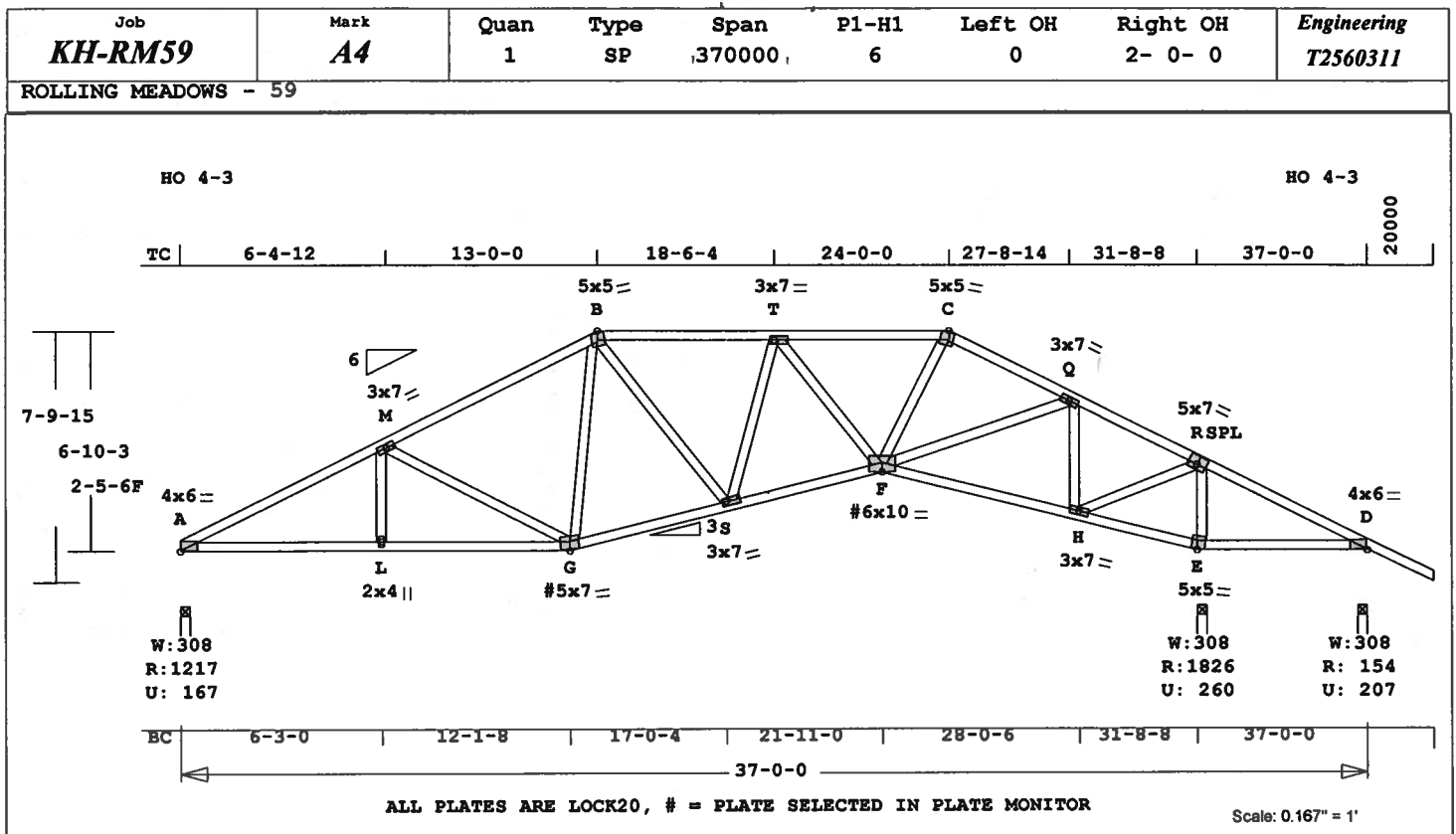
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
31- 8- 8 37- 0- 0
Max comp. force 2139 Lbs
Max tens. force 1912 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 250.8 LBS
 Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
 TC 0.46 2x 4 SP-#2
 BC 0.52 2x 4 SP-#2
 WB 0.32 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 37- 0- 0
 BC Cont. 0- 0- 0 37- 0- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 1218 167 U 140 R
 E 1826 260 U
 D 154 208 U 139 R

Jt Brg Size Required
 A 3.5" 1.5"
 E 3.5" 1.9"
 D 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 A -M 0.46 2152 C 0.12 0.34
 M -B 0.44 1597 C 0.04 0.40
 B -T 0.33 1687 C 0.01 0.32
 T -C 0.26 1776 C 0.01 0.25
 C -Q 0.22 1713 C 0.10 0.12
 Q -R 0.30 852 C 0.00 0.30
 R -D 0.42 656 T 0.12 0.30
 -----Bottom Chords-----
 A -L 0.41 1934 T 0.32 0.09
 L -G 0.49 1934 T 0.32 0.17
 G -S 0.34 1461 T 0.24 0.10
 S -F 0.48 1834 T 0.30 0.18
 F -H 0.31 771 T 0.13 0.18
 H -E 0.52 601 C 0.00 0.52

E -D 0.34 565 C 0.00 0.34
 -----Webs-----
 L -M 0.03 233 T
 M -G 0.32 577 C
 G -B 0.02 137 T
 B -S 0.07 427 T
 S -T 0.13 342 C
 T -F 0.01 116 T
 F -C 0.09 540 T
 C -Q 0.15 830 T
 H -Q 0.15 848 C
 H -R 0.26 1425 T
 E -R 0.18 1548 C

TL Defl -0.11" in E -D L/504
 LL Defl -0.05" in E -D L/999
 Hz Disp LL DL TL
 Jt E 0.06" 0.05" 0.11"
 Shear // Grain in M -B 0.26

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 4.0x 6.0 Ctr 0.1 0.71
 M LOCK 3.0x 7.0 Ctr Ctr 0.41
 B LOCK 5.0x 5.0 0.3-3.2 0.93
 T LOCK 3.0x 7.0 Ctr Ctr 0.43
 C LOCK 5.0x 5.0-0.7-3.0 0.65
 Q LOCK 3.0x 7.0 Ctr Ctr 0.41
 R LOCK 5.0x 7.0 0.2 0.5 0.75
 D LOCK 4.0x 6.0 Ctr 0.1 0.71
 L LOCK 2.0x 4.0 Ctr Ctr 0.46
 G# LOCK 5.0x 7.0-0.1 3.2 0.71
 S LOCK 3.0x 7.0 Ctr Ctr 0.42
 F# LOCK 6.0x10.0 Ctr-0.5 0.68
 H LOCK 3.0x 7.0 Ctr Ctr 0.48
 E LOCK 5.0x 5.0 0.3 2.8 0.65

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.
 NOTES:

Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 31- 8- 8 37- 0- 0
 Max comp. force 2152 Lbs
 Max tens. force 1934 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31,2007

HO 4-3

HO 4-3

TC 5-10-15 11-0-0 18-6-0 26-0-0 31-1-1 37-0-0 20000

6-9-15 5-10-3

4x6 = A

3x7 = J

2x4 || I

5x7 = B

2x4 || K

5x7 = C

3x7 = L

4x8 = H

5x7 = E

2x4 || G

4x6 = D

HGR R:1479 U: 197

SPL

SPL

W:308 R:1608 U: 219

BC 5-9-3 11-1-12 18-6-0 25-10-4 31-2-13 37-0-0

37-0-0

ALL PLATES ARE LOCK20

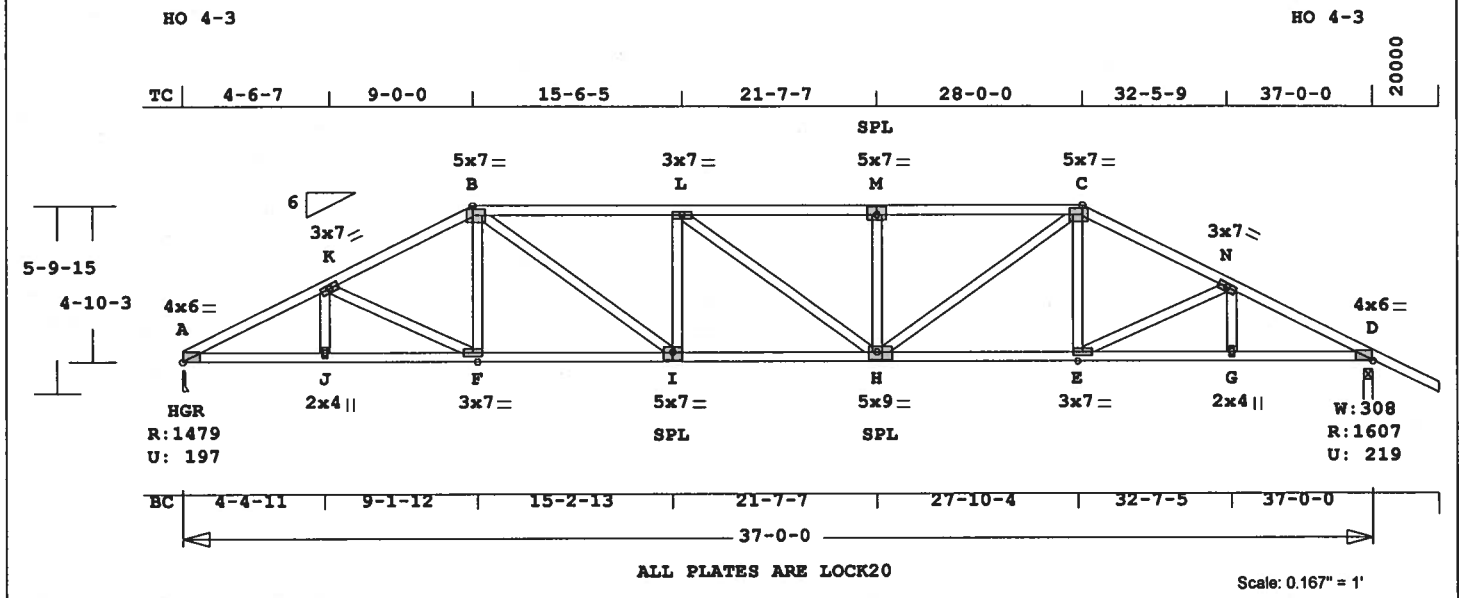
Scale: 0.167" = 1'

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Robbins Engineering, Inc./Online Plus™ © 1996-2007 Version 21.0.032 Engineering - Portrait 5/31/2007 11:00:37 AM Page 1

Job KH-RM59	Mark A6	Quan 1	Type HIPP	Span 370000,	P1-H1 6	Left OH 0	Right OH 2- 0- 0	Engineering T2560313
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ROLLING MEADOWS - 59



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 248.3 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

TC	CSI	Size	-----Lumber-----
TC	0.43	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
A	1480	197 U	95 R
D	1608	220 U	95 R

Jt	Brg Size	Required
A	3.5"	1.7"
D	3.5"	1.9"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -K	0.29	2766 C	0.15 0.14
K -B	0.30	2464 C	0.14 0.16
B -L	0.43	2927 C	0.10 0.33
L -M	0.41	2926 C	0.05 0.36
M -C	0.43	2926 C	0.10 0.33
C -N	0.30	2464 C	0.14 0.16
N -D	0.28	2765 C	0.15 0.13
-----Bottom Chords-----			
A -J	0.53	2464 T	0.41 0.12
J -F	0.51	2464 T	0.41 0.10
F -I	0.47	2207 T	0.37 0.10
I -H	0.59	2926 T	0.49 0.10

H -E	0.48	2207 T	0.37	0.11
E -G	0.52	2464 T	0.41	0.11
G -D	0.53	2464 T	0.41	0.12

-----Webs-----				
J -K	0.02	134 T		
K -F	0.09	276 C		
F -B	0.04	320 T		
B -I	0.24	884 T		
I -L	0.10	390 C		
L -H	0.03	48 C		
H -M	0.10	390 C		
M -C	0.24	883 T		
E -C	0.04	320 T		
E -N	0.09	276 C		
G -N	0.02	134 T		

TL Defl -0.41" in I -H L/999
LL Defl -0.20" in I -H L/999
Shear // Grain in B -L 0.26

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga, Gross Area
Plate - LOCK 20 Ga, Gross Area		
Plate - RHS 20 Ga, Gross Area		
Jt Type	Plt Size	X Y JSI
A LOCK	4.0x 6.0	Ctr 0.1 0.71
K LOCK	3.0x 7.0	Ctr Ctr 0.41
B LOCK	5.0x 7.0	0.5-0.1 0.96
L LOCK	3.0x 7.0	Ctr Ctr 0.43
M LOCK	5.0x 7.0	Ctr 0.5 0.76
C LOCK	5.0x 7.0	0.5-0.1 0.96
N LOCK	3.0x 7.0	Ctr Ctr 0.41
D LOCK	4.0x 6.0	Ctr 0.1 0.71
J LOCK	2.0x 4.0	Ctr Ctr 0.46
F LOCK	3.0x 7.0	Ctr Ctr 0.46
I LOCK	5.0x 7.0	Ctr-0.5 0.76
H LOCK	5.0x 9.0	0.5-0.5 0.76
E LOCK	3.0x 7.0	Ctr Ctr 0.46
G LOCK	2.0x 4.0	Ctr Ctr 0.46

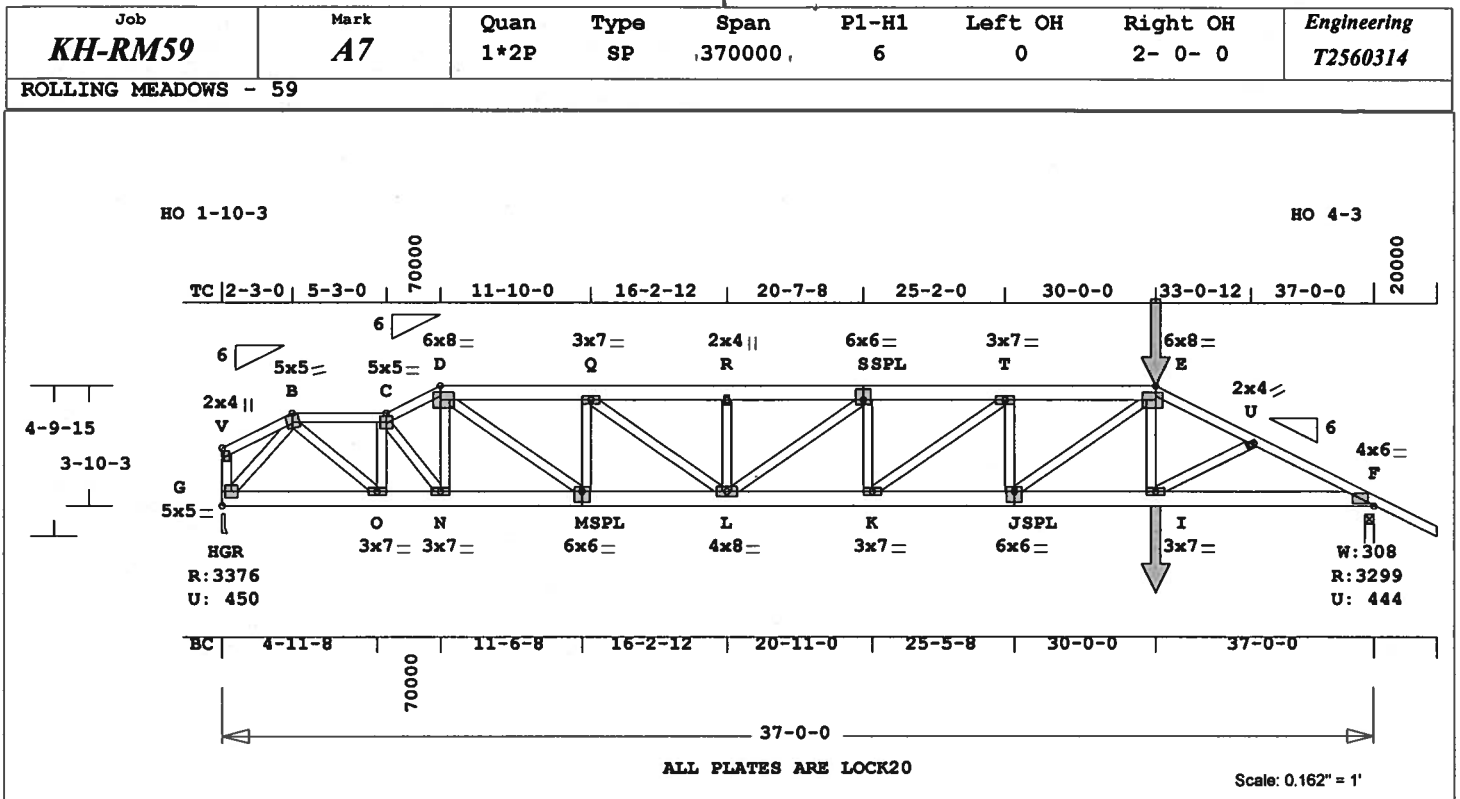
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2927 Lbs
Max tens. force 2926 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

May 31, 2007



Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

 * 2-Ply Truss *

CSI -Size- ----Lumber-----
 TC 0.67 2x 4 SP-#2
 -- 0.25 2x 6 SP-#2
 D -S S -E
 BC 0.68 2x 6 SP-#2
 WB 0.37 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 37- 0- 0
 BC Cont. 0- 0- 0 37- 0- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.00 Fc=1.00 Ft=1.00
 BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz
 G 3376 450 U 91 R
 F 3300 445 U 64 R

Jt Brg Size Required
 G 3.5" 2.0"
 F 3.5" 1.9"

LC# 1 Standard Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 37.0'
 BC V 20 0 0.0' 37.0'
 TC V 25 50 7.0' 30.0'
 BC V 50 50 0.0' 7.0'
 TC V 25 0 7.0' 30.0'
 BC V 120 120 30.0' CL-LB
 BC V 174 174 30.0' CL-LB

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
 -----Top Chords-----
 V -B 0.66 144 C 0.00 0.66
 B -C 0.67 5489 C 0.06 0.61
 C -D 0.34 5987 C 0.07 0.27
 D -Q 0.23 7919 C 0.17 0.06
 Q -R 0.24 9040 C 0.19 0.05
 R -S 0.24 9040 C 0.19 0.05
 S -T 0.25 9104 C 0.19 0.06
 T -E 0.23 8118 C 0.17 0.06
 E -U 0.33 6399 C 0.08 0.25
 U -F 0.24 6482 C 0.19 0.05
 -----Bottom Chords-----
 G -O 0.36 2344 T 0.15 0.21

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 316.6 LBS

O -N 0.43 5572 T 0.37 0.06
 N -M 0.42 5478 T 0.36 0.06
 M -L 0.59 7919 T 0.52 0.07
 L -K 0.68 9105 T 0.60 0.08
 K -J 0.60 8118 T 0.54 0.06
 J -I 0.46 5754 T 0.38 0.08
 I -F 0.47 5772 T 0.38 0.09

-----Webs-----
 G -V 0.01 390 C WindLd
 G -B 0.17 3539 C
 B -O 0.37 4074 T
 O -C 0.10 2224 C
 C -N 0.01 240 C
 N -D 0.03 441 T
 D -M 0.27 2991 T
 M -Q 0.07 1501 C
 Q -L 0.12 1399 T
 L -R 0.02 598 C
 L -S 0.00 79 C
 K -S 0.02 548 C
 K -T 0.11 1231 T
 J -T 0.07 1423 C
 J -E 0.26 2895 T
 I -E 0.04 587 T
 I -U 0.01 165 T

TL Defl -0.50" in L -K L/869
 LL Defl -0.25" in L -K L/999
 Shear // Grain in V -B 0.22

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 V LOCK 2.0x 4.0 Ctr Ctr 0.51
 B LOCK 5.0x 5.0 0.3-3.2 0.82
 C LOCK 5.0x 5.0 Ctr Ctr 0.91
 D LOCK 6.0x 8.0-0.5 Ctr 0.91
 Q LOCK 3.0x 7.0 Ctr Ctr 0.43
 R LOCK 2.0x 4.0 Ctr Ctr 0.46
 S LOCK 6.0x 6.0 Ctr 1.2 0.61
 T LOCK 3.0x 7.0 Ctr Ctr 0.43
 E LOCK 6.0x 8.0 0.5 Ctr 0.91
 U LOCK 2.0x 4.0 Ctr Ctr 0.46
 F LOCK 4.0x 6.0 Ctr Ctr 0.74
 G LOCK 5.0x 5.0 Ctr Ctr 0.79
 O LOCK 3.0x 7.0 Ctr Ctr 0.75
 N LOCK 3.0x 7.0 Ctr Ctr 0.48
 M LOCK 6.0x 6.0 Ctr-1.2 0.69
 L LOCK 4.0x 8.0 Ctr Ctr 0.44
 K LOCK 3.0x 7.0 Ctr Ctr 0.43
 J LOCK 6.0x 6.0 Ctr-1.2 0.70
 I LOCK 3.0x 7.0 Ctr Ctr 0.44

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

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

NOTES:

Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:

FBC2004

2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)

-----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 12 24 0
 WB 1 8 8

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as
 Components and Claddings*
 for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

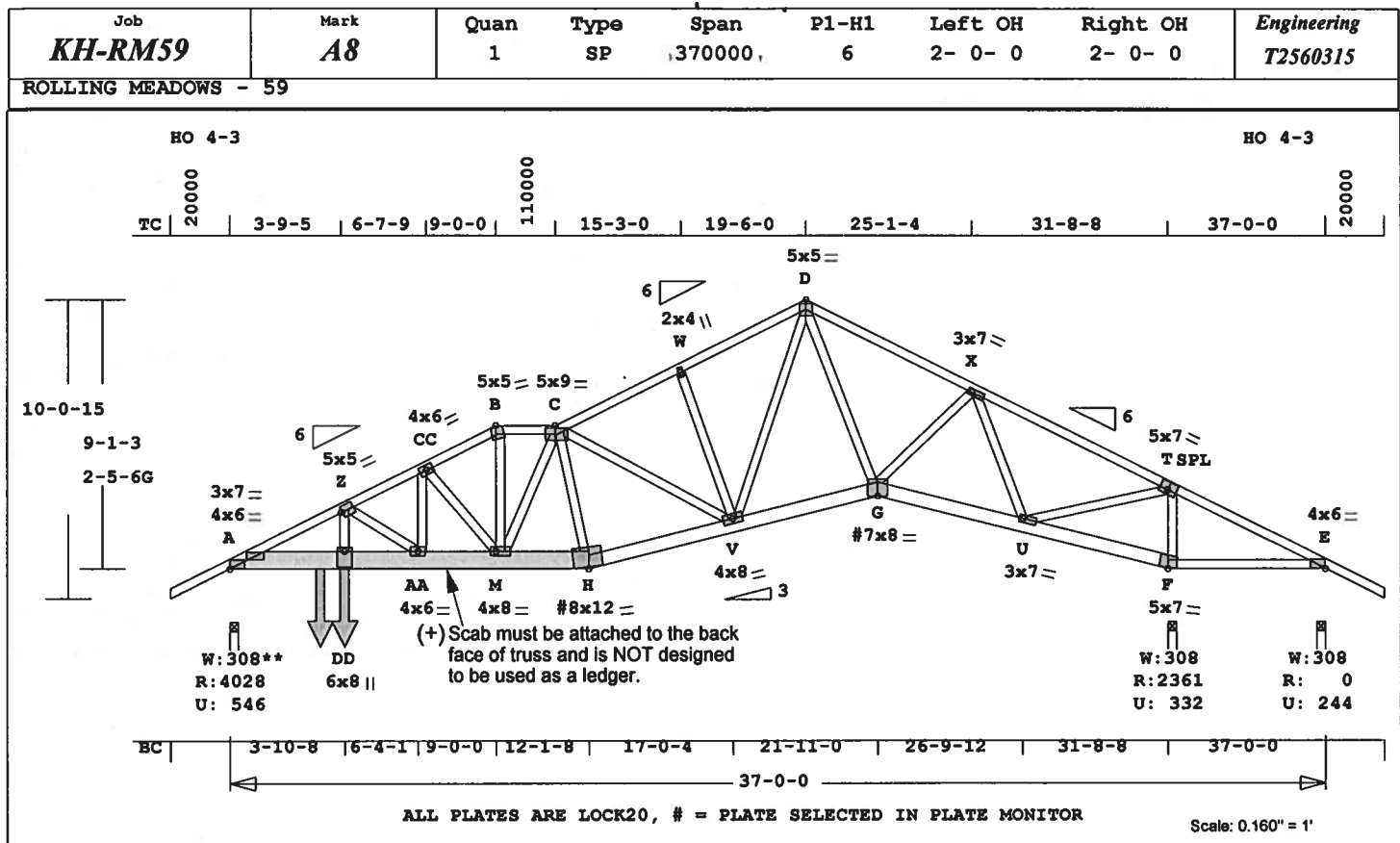
Max comp. force 9104 Lbs

Max tens. force 9105 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31, 2007



Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

TC 0.88 2x 4 SP-#2
BC 0.59 2x 6 SP-#2
-- 0.55 2x 8 SP-SS
A -H
-- 0.42 2x 4 SP-#2
F -E
WB 0.67 2x 4 SP-#2
(+) SCAB (1) 2x 8 SP-SS

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	37- 0- 0	0- 0
BC Cont.	0- 0- 0	37- 0- 0	0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	4028	547 U	187 R
F	2361	333 U	
E		244 U	184 R

Jt	Brg Size	Required
A	3.5"	4.8" **
F	3.5"	2.5"
E	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 37.0'
BC V 20 0 0.0' 37.0'
BC V 186 186 3.1' CL-LB
BC V 1350 1350 3.9' CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CST-Bnd

	Top Chords
A -Z	0.88 7961 C 0.59 0.29
Z -CC	0.42 5263 C 0.37 0.05
CC-B	0.41 3894 C 0.12 0.29
B -C	0.31 3511 C 0.26 0.05
C -W	0.35 2517 C 0.18 0.17
W -D	0.36 2436 C 0.19 0.17
D -X	0.50 2276 C 0.16 0.34
X -T	0.52 1366 C 0.01 0.51
T -E	0.69 962 T 0.18 0.51

	Bottom Chords
A -DD	0.55 7130 T 0.40 0.15
DD-AA	0.53 7130 T 0.40 0.13
AA-M	0.28 4708 T 0.26 0.02
M -H	0.21 3514 T 0.19 0.02

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 368.6 LBS

	H -V	0.59	3447 T	0.45	0.14
V -G	0.30	1836 T	0.24	0.06	
G -U	0.36	1675 T	0.22	0.14	
U -F	0.45	883 C	0.00	0.45	
F -E	0.42	829 C	0.00	0.42	

	DD-Z <th>0.50 <th>2773 T </th></th>	0.50 <th>2773 T </th>	2773 T
Z -AA	0.40	2953 C	
AA-CC	0.35	1936 T	
CC-M	0.37	1846 C	
M -B	0.29	1577 T	
B -C	0.01	116 T	
C -H	0.18	778 C	
H -V	0.67	1227 C	
V -W	0.09	257 T	
W -D	0.53	1279 T	
D -G	0.13	653 T	
G -X	0.10	558 T	
X -U	0.37	1239 C	
U -T	0.39	2114 T	
T -F	0.23	1969 C	

	TL Defl	-0.12"	in F -E	L/484
LL Defl	-0.05" <th>in F -E</th> <th>L/999</th>	in F -E	L/999	
Hs Disp	LL	DL	TL	
Jt F	0.07"	0.07"	0.13"	

Shear // Grain in T -E 0.25

Plates for each ply each face.

REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	Ctr	0.2	0.85
Z LOCK	3.0x 7.0	Ctr	0.83	
CC LOCK	5.0x 5.0	Ctr	0.2	0.94
B LOCK	4.0x 6.0	Ctr	0.79	
C LOCK	5.0x 5.0	0.7-3.0	0.65	
D LOCK	5.0x 9.0	0.5	Ctr	0.91
W LOCK	2.0x 4.0	Ctr	Ctr	0.46
X LOCK	5.0x 5.0	Ctr	Ctr	0.68
T LOCK	3.0x 7.0	Ctr	Ctr	0.40
E LOCK	5.0x 7.0	0.2	0.5	0.75
DD LOCK	4.0x 6.0	Ctr	0.1	0.71
AA LOCK	6.0x 8.0	Ctr	2.3	0.99
M LOCK	4.0x 6.0	Ctr	Ctr	0.78
H# LOCK	4.0x 8.0	Ctr	Ctr	0.60
V LOCK	8.0x12.0	-0.5	4.9	0.49
G LOCK	4.0x 8.0	Ctr	Ctr	0.55
U LOCK	7.0x 8.0	Ctr	2.2	0.56
F LOCK	3.0x 7.0	Ctr	Ctr	0.61
T LOCK	5.0x 7.0	0.4	2.9	0.65

= Plate Monitor used

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

(+) Fasten each scab with 2 row(s)
of 10d nails at 6 in o.c.
along entire length.

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

31- 9- 1 37- 0- 9

Max comp. force 7961 Lbs

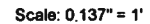
Max tens. force 7130 Lbs

Quality Control Factor 1.25

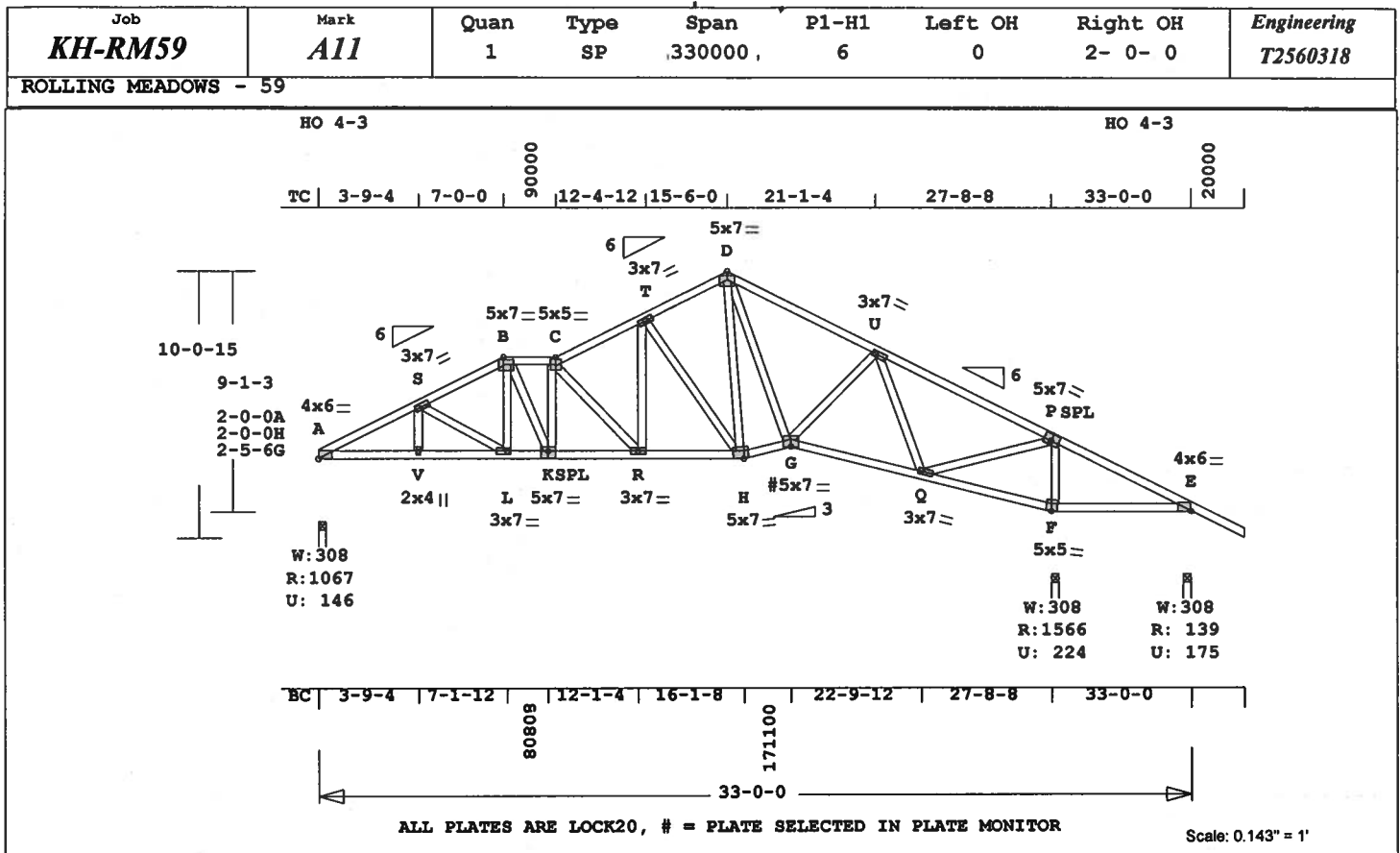
Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007

ROLLING MEADOWS - 59



May 31, 2007



Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
 TC 0.49 2x 4 SP-#2
 BC 0.44 2x 4 SP-#2
 WB 0.31 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 33- 0- 0
 BC Cont. 0- 0- 0 33- 0- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 1068 146 U 160 R
 F 1567 225 U
 E 139 176 U 161 R

Jt Brg Size Required
 A 3.5" 1.5"
 F 3.5" 1.7"
 E 3.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 A-S 0.20 1916 C 0.12 0.08
 S-B 0.20 1707 C 0.11 0.09
 B-C 0.18 1753 C 0.11 0.07
 C-T 0.21 1497 C 0.11 0.10
 T-D 0.22 1086 C 0.09 0.13
 D-U 0.39 1333 C 0.09 0.30
 U-P 0.41 960 C 0.00 0.41
 P-E 0.49 436 T 0.08 0.41
 -----Bottom Chords-----
 A-V 0.35 1705 T 0.28 0.07
 V-L 0.34 1705 T 0.28 0.06
 L-K 0.28 1529 T 0.25 0.03
 K-R 0.33 1764 T 0.29 0.04
 R-H 0.26 1353 T 0.22 0.04
 H-G 0.22 1021 T 0.17 0.05
 G-Q 0.29 1113 T 0.18 0.11
 Q-F 0.44 388 C 0.00 0.44
 F-E 0.30 364 C 0.00 0.30
 -----Webs-----
 V-S 0.01 113 T

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 251.2 LBS

S-L 0.03 196 C
 L-B 0.03 188 T
 B-K 0.09 516 T
 K-C 0.07 434 C
 C-R 0.17 587 C
 R-T 0.09 492 T
 T-H 0.31 643 C
 D-H 0.13 325 T
 D-G 0.12 534 T
 G-U 0.02 160 T
 U-Q 0.22 690 C
 Q-P 0.23 1266 T
 F-P 0.16 1349 C

TL Defl -0.10" in F-E L/585
 LL Defl -0.04" in F-E L/999
 Hz Disp LL DL TL
 Jt F 0.04" 0.04" 0.08"
 Shear // Grain in U-P 0.23

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 4.0x 6.0 Ctr 0.1 0.67
 S LOCK 3.0x 7.0 Ctr Ctr 0.40
 B LOCK 5.0x 7.0-0.5-0.1 0.91
 C LOCK 5.0x 5.0 Ctr Ctr 0.86
 T LOCK 3.0x 7.0 Ctr Ctr 0.46
 D LOCK 5.0x 7.0 Ctr-0.3 0.89
 U LOCK 3.0x 7.0 Ctr Ctr 0.39
 P LOCK 5.0x 7.0 0.2 0.5 0.71
 E LOCK 4.0x 6.0 Ctr 0.1 0.67
 V LOCK 2.0x 4.0 Ctr Ctr 0.43
 L LOCK 3.0x 7.0 Ctr Ctr 0.42
 K LOCK 5.0x 7.0 Ctr-0.5 0.72
 R LOCK 3.0x 7.0 Ctr Ctr 0.45
 H LOCK 5.0x 7.0-1.4 2.9 0.79
 G# LOCK 5.0x 7.0 Ctr-1.1 0.62
 Q LOCK 3.0x 7.0 Ctr Ctr 0.43
 F LOCK 5.0x 5.0 0.3 2.8 0.62

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

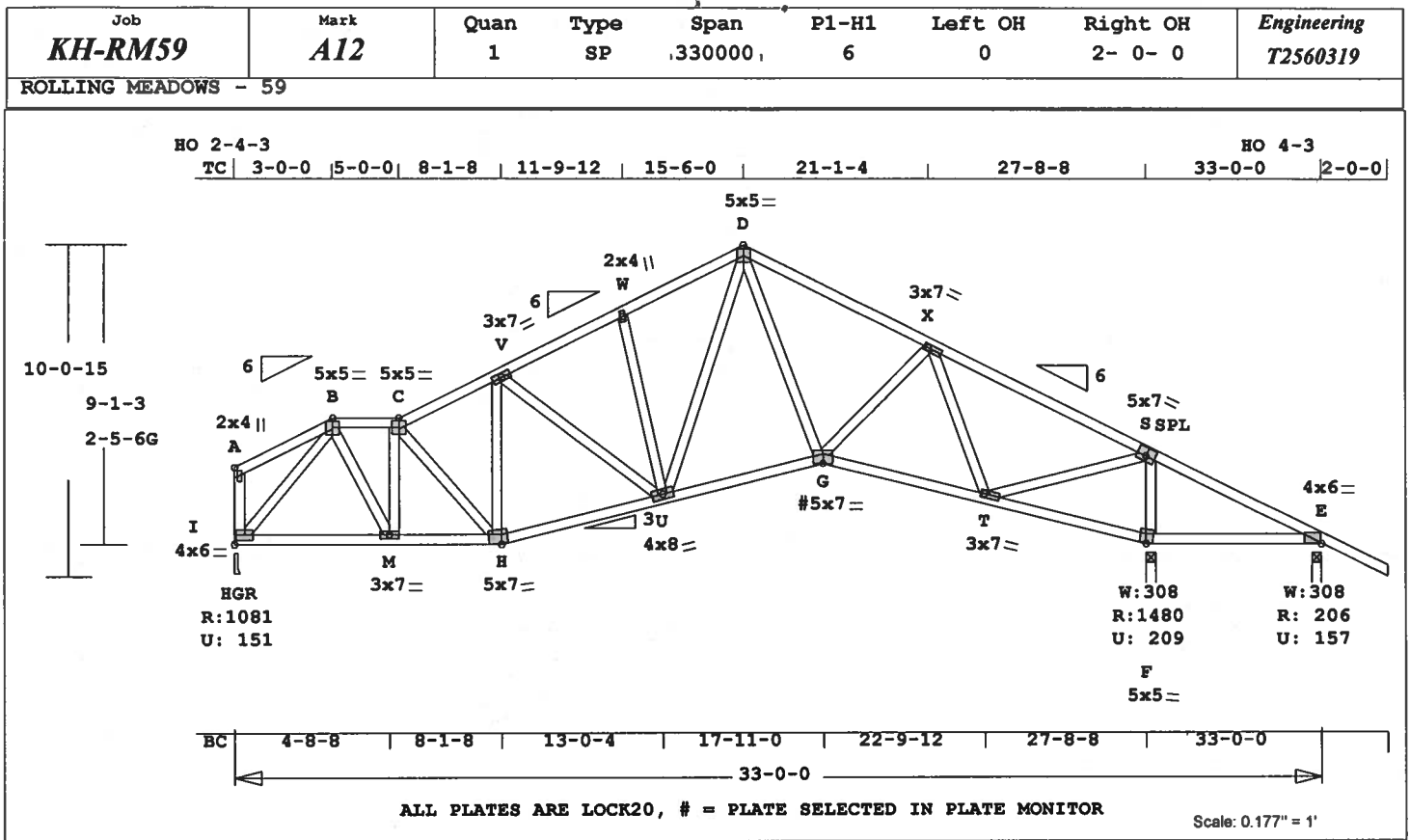
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:

Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 27- 8- 8 33- 0- 0
 Max comp. force 1916 Lbs
 Max tens. force 1764 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31,2007



Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----

TC	0.45	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.30	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	33- 0- 0
BC Cont.	0- 0- 0	33- 0- 0

psf-Ld Dead Live

TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
I	1081	151 U	212 R
F	1481	209 U	
E	206	157 U	173 R

Jt	Brg Size	Required
I	3.5"	1.5"
F	3.5"	1.6"
E	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.23	113 T	0.00	0.23
B -C	0.29	1179 C	0.00	0.29
C -V	0.18	1314 C	0.09	0.09
V -W	0.20	1312 C	0.09	0.11
W -D	0.21	1262 C	0.10	0.11
D -X	0.39	1386 C	0.09	0.30
X -S	0.40	1048 C	0.00	0.40
S -E	0.45	277 T	0.05	0.40
-----Bottom Chords-----				
I -M	0.20	772 T	0.12	0.08
M -H	0.24	1195 T	0.20	0.04
H -U	0.27	1232 T	0.20	0.07
U -G	0.23	1038 T	0.10	0.13
G -T	0.30	1182 T	0.19	0.11
T -F	0.42	243 C	0.00	0.42
F -E	0.28	224 C	0.00	0.28
-----Webs-----				
I -A	0.03	169 T	WindLd	

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 259.6 LBS

I	-B	0.30	1187 C
B	-M	0.15	823 T
M	-C	0.10	625 C
C	-H	0.00	54 T
H	-V	0.07	216 C
V	-U	0.02	118 T
U	-W	0.08	229 T
W	-D	0.23	376 T
D	-G	0.13	602 T
G	-X	0.02	154 T
X	-T	0.20	653 C
T	-S	0.22	1202 T
F	-S	0.15	1300 C

TL Defl -0.09" in F -E L/617
LL Defl -0.04" in F -E L/999
Hz Disp LL DL TL
Jt F 0.04" 0.04" 0.07"
Shear // Grain in X -S 0.23

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.46
B LOCK 5.0x 5.0 Ctr-0.2 0.96
C LOCK 5.0x 5.0 Ctr Ctr 0.86
V LOCK 3.0x 7.0 Ctr Ctr 0.40
W LOCK 2.0x 4.0 Ctr Ctr 0.43
D LOCK 5.0x 5.0 Ctr Ctr 0.64
X LOCK 3.0x 7.0 Ctr Ctr 0.39
S LOCK 5.0x 7.0 0.2 0.5 0.71
E LOCK 4.0x 6.0 Ctr 0.1 0.67
I LOCK 4.0x 6.0 Ctr Ctr 0.69
M LOCK 3.0x 7.0 Ctr Ctr 0.51
H LOCK 5.0x 7.0-1.4 2.9 0.74
U LOCK 4.0x 8.0 Ctr Ctr 0.45
G# LOCK 5.0x 7.0 Ctr-1.1 0.62
T LOCK 3.0x 7.0 Ctr Ctr 0.43
F LOCK 5.0x 5.0 0.3 2.8 0.62

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates selected through a plate monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

27- 8- 8 33- 0- 0

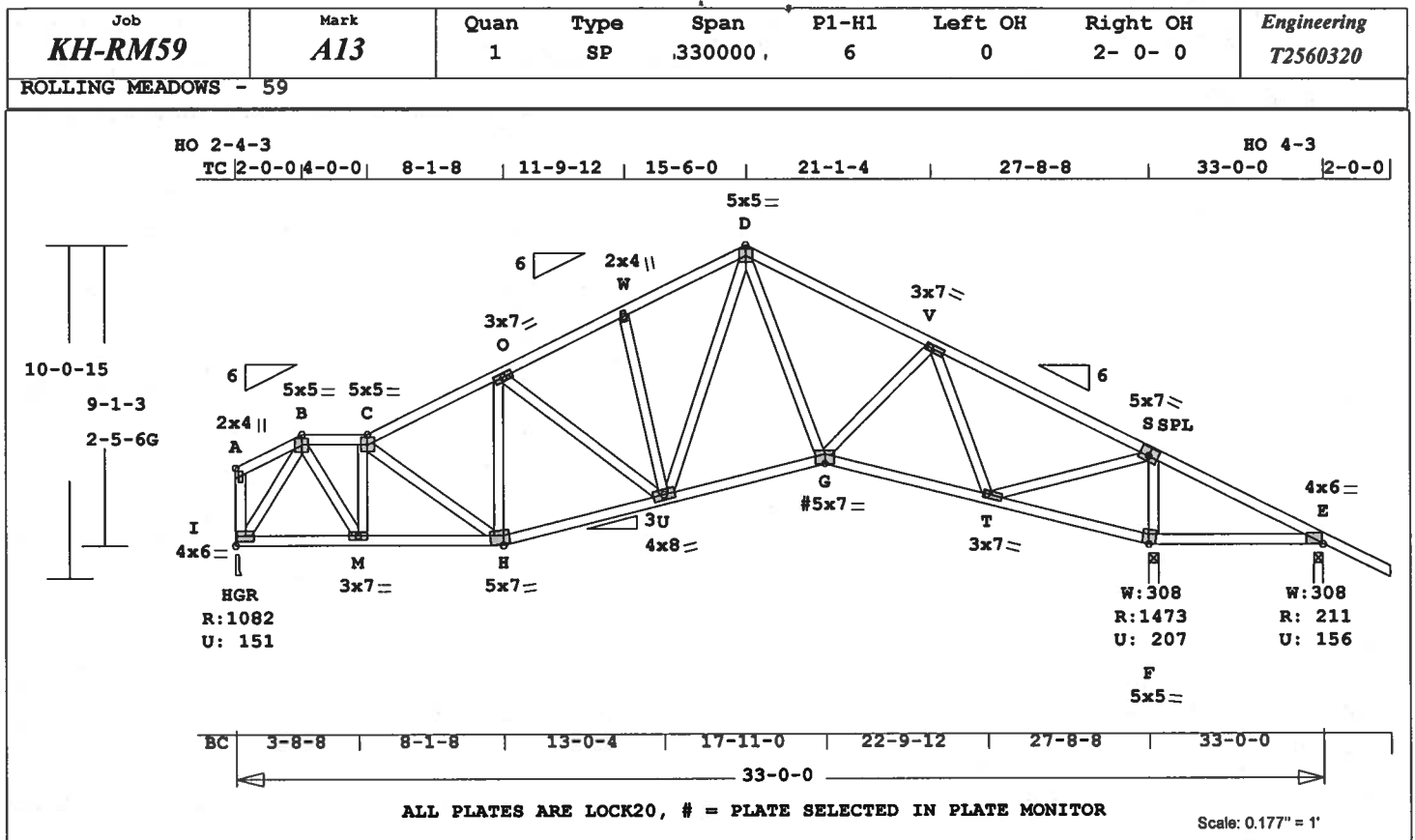
Max comp. force 1386 Lbs

Max tens. force 1232 Lbs

Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----

TC	BC	WB	Size	SP	#2
0.45	0.42	0.22	2x 4	SP-#2	
			2x 4	SP-#2	
			2x 4	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	33- 0- 0
BC Cont.	0- 0- 0	33- 0- 0

psf-Ld Dead Live

TC	BC	TC+BC	Total	Spacing	24.0"
10.0	10.0	20.0	40.0		
20.0	0.0	20.0			
20.0	20.0				

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
I	1082	151 U	212 R
F	1474	208 U	
E	212	156 U	173 R

Jt	Brg Size	Required
I	3.5"	1.5"
F	3.5"	1.6"
E	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.23	98 T	0.00	0.23
B -C	0.24	1136 C	0.00	0.24
C -O	0.21	1327 C	0.09	0.12
O -W	0.21	1315 C	0.09	0.12
W -D	0.21	1263 C	0.10	0.11
D -V	0.39	1391 C	0.09	0.30
V -S	0.40	1055 C	0.00	0.40
S -E	0.45	265 T	0.05	0.40
-----Bottom Chords-----				
I -M	0.14	597 T	0.10	0.04
M -H	0.25	1159 T	0.19	0.06
H -U	0.29	1239 T	0.20	0.09
U -G	0.23	1041 T	0.10	0.13
G -T	0.30	1187 T	0.19	0.11
T -F	0.42	232 C	0.00	0.42
F -E	0.28	213 C	0.00	0.28
-----Webs-----				
I -A	0.03	141 T	WindLd	

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 256.7 LBS

I	-B	0.18	1089 C
B	-M	0.17	974 T
M	-C	0.10	724 C
C	-H	0.00	48 T
H	-O	0.07	233 C
O	-U	0.03	117 T
U	-W	0.08	222 T
W	-D	0.22	373 T
D	-G	0.13	606 T
G	-V	0.02	154 T
V	-T	0.20	650 C
T	-S	0.22	1197 T
F	-S	0.15	1296 C

TL Defl -0.09" in F -E L/620
LL Defl -0.04" in F -E L/999
Hz Disp LL DL TL
Jt F 0.04" 0.04" 0.07"
Shear // Grain in V -S 0.23

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.46
B LOCK 5.0x 5.0 Ctr-0.2 0.96
C LOCK 5.0x 5.0 Ctr Ctr 0.86
O LOCK 3.0x 7.0 Ctr Ctr 0.40
W LOCK 2.0x 4.0 Ctr Ctr 0.43
D LOCK 5.0x 5.0 Ctr Ctr 0.64
V LOCK 3.0x 7.0 Ctr Ctr 0.39
S LOCK 5.0x 7.0 0.2 0.5 0.71
E LOCK 4.0x 6.0 Ctr 0.1 0.67
I LOCK 4.0x 6.0 Ctr Ctr 0.69
M LOCK 3.0x 7.0 Ctr Ctr 0.52
H LOCK 5.0x 7.0-1.4 2.9 0.73
U LOCK 4.0x 8.0 Ctr Ctr 0.45
G# LOCK 5.0x 7.0 Ctr-1.1 0.62
T LOCK 3.0x 7.0 Ctr Ctr 0.43
F LOCK 5.0x 5.0 0.3 2.8 0.62

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

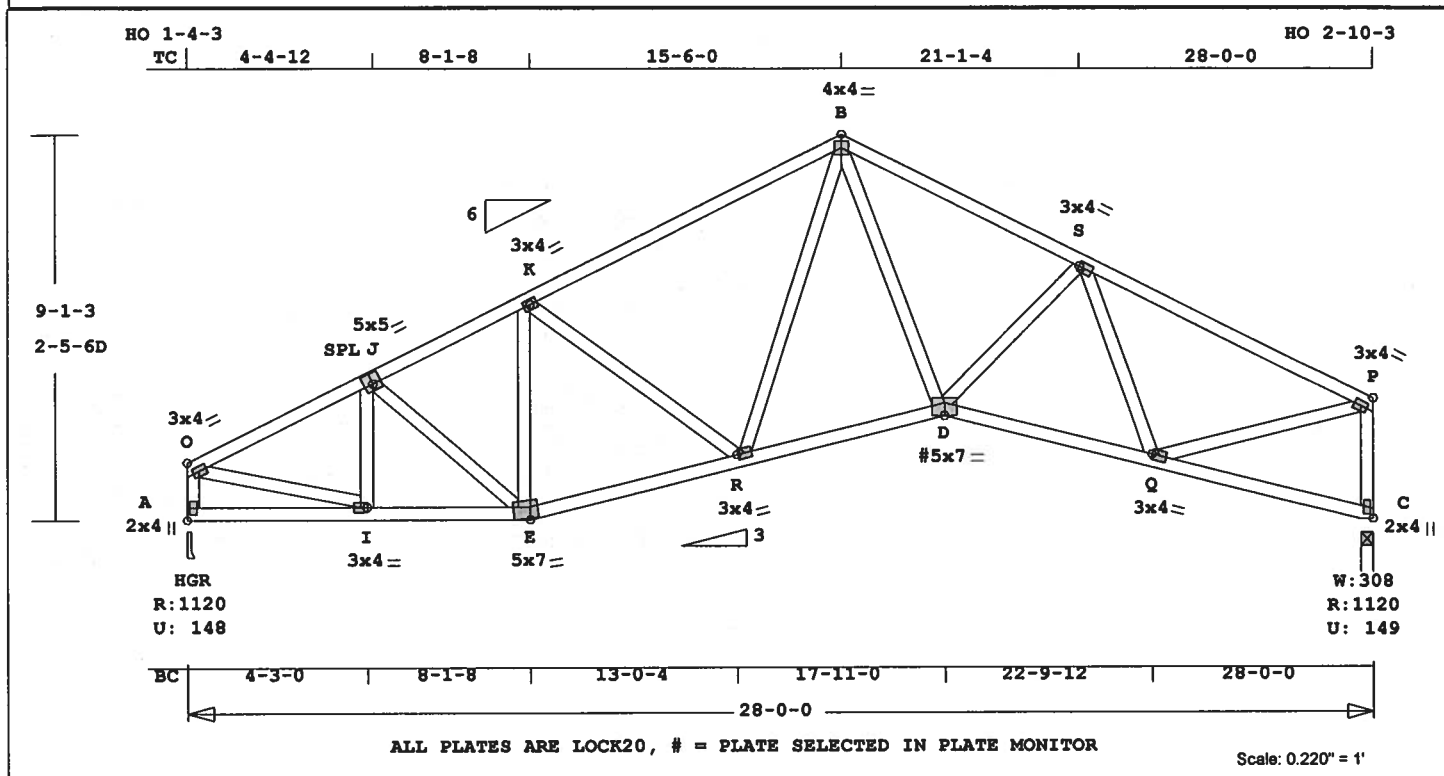
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
27- 8- 8 33- 0- 0
Max comp. force 1391 Lbs
Max tens. force 1239 Lbs
Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007

Job KH-RM59	Mark A14	Quan 2	Type SP	Span 280000	P1-H1 6	Left OH 0	Right OH 0	Engineering T2560321
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ROLLING MEADOWS - 59



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 215.8 LBS
Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
TC 0.55 2x 4 SP-#2
BC 0.32 2x 4 SP-#2
WB 0.23 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 28- 0- 0
BC Cont. 0- 0- 0 28- 0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1120 148 U 184 R
C 1120 150 U 213 R

Jt Brg Size Required
A 3.5" 1.5"
C 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
O -J 0.27 1388 C 0.08 0.19
J -K 0.47 1414 C 0.01 0.46
K -B 0.55 1327 C 0.04 0.51
B -S 0.44 1541 C 0.10 0.34
S -P 0.51 1292 C 0.03 0.48
-----Bottom Chords-----
A -I 0.09 169 T 0.00 0.09
I -E 0.25 1246 T 0.20 0.05
E -R 0.31 1333 T 0.22 0.09
R -D 0.25 1137 T 0.18 0.07
D -Q 0.32 1390 T 0.23 0.09
Q -C 0.16 185 T 0.00 0.16
-----Webs-----

A -O 0.10 1082 C WindLd
O -I 0.23 1291 T
I -J 0.03 243 C
J -E 0.00 53 T
E -K 0.08 273 C
K -R 0.07 230 T
R -B 0.11 297 T
B -D 0.14 726 T
D -S 0.02 149 T
S -Q 0.18 568 C
Q -P 0.22 1211 T
C -P 0.13 1075 C WindLd

TL Defl -0.13" in R -D L/999
LL Defl -0.06" in R -D L/999
Hz Disp LL DL TL
Jt C 0.04" 0.04" 0.08"
Shear // Grain in K -B 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
O LOCK 3.0x 4.0 Ctr Ctr 0.80
J LOCK 5.0x 5.0-0.2 0.5 0.66
K LOCK 3.0x 4.0 Ctr Ctr 0.67
B LOCK 4.0x 4.0 Ctr Ctr 0.75
S LOCK 3.0x 4.0 Ctr Ctr 0.63
P LOCK 3.0x 4.0 Ctr Ctr 0.80
A LOCK 2.0x 4.0 Ctr Ctr 0.62
I LOCK 3.0x 4.0 Ctr Ctr 0.81
E LOCK 5.0x 7.0-1.4 2.9 0.68
R LOCK 3.0x 4.0 Ctr Ctr 0.78
D# LOCK 5.0x 7.0 Ctr-1.1 0.57
Q LOCK 3.0x 4.0 Ctr Ctr 0.72
C LOCK 2.0x 4.0 Ctr Ctr 0.45

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

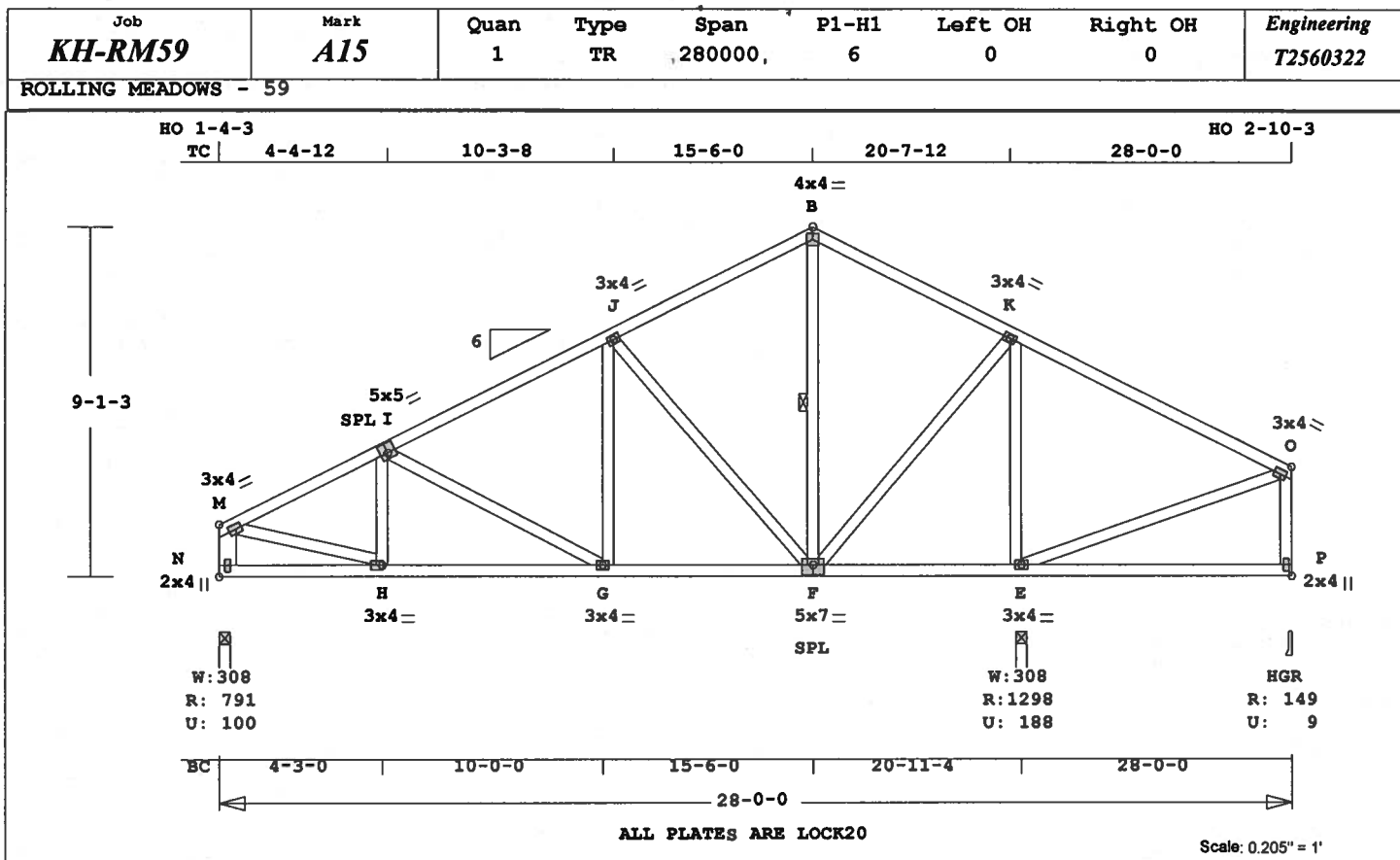
REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1541 Lbs
Max tens. force 1390 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 225.5 LBS
 Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

	CSI	-Size-	---Lumber---
TC	0.55	2x 4	SP-#2
BC	0.30	2x 4	SP-#2
WB	0.53	2x 4	SP-#2
--	0.04	2x 6	SP-#2
N -M			

Brace truss as follows:

	O.C.	From	To
TC Cont.	0-	0- 0	28- 0- 0
BC Cont.	0-	0- 0	28- 0- 0

WB 1 rows CLB on F -B
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
N	791	101 U	185 R
E	1299	188 U	
P	150	9 U	213 R

Jt	Brg Size	Required
N	3.5"	1.5"
E	3.5"	1.5"
P	3.5"	1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
M -I	0.27	917 C	0.06 0.21
I -J	0.32	722 C	0.05 0.27
J -B	0.32	355 T	0.00 0.32
B -K	0.52	367 T	0.00 0.52
K -O	0.55	133 T	0.03 0.52

-----Bottom Chords-----					
N -H	0.14	170 T	0.00	0.14	
H -G	0.26	833 T	0.08	0.18	
G -F	0.24	649 T	0.06	0.18	
F -E	0.30	202 T	0.00	0.30	
E -P	0.30	178 T	0.00	0.30	

-----Webs-----					
N -M	0.04	756 C	WindLd		
M -H	0.16	867 T			
H -I	0.02	149 T			
I -G	0.11	209 C			
G -J	0.04	314 T			
J -F	0.43	541 C			
F -B	0.01	121 T			1 Br
B -K	0.15	605 T			
K -O	0.53	1109 C			
O -P	0.07	160 T			
P -O	0.02	138 T	WindLd		

TL Defl -0.14" in E -P L/558
 LL Defl -0.07" in E -P L/999
 Shear // Grain in K -O 0.29

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 M LOCK 3.0x 4.0-0.4-0.2 0.80
 I LOCK 5.0x 5.0-0.2 0.5 0.66
 J LOCK 3.0x 4.0 Ctr Ctr 0.67
 B LOCK 4.0x 4.0 Ctr Ctr 0.75
 K LOCK 3.0x 4.0 Ctr Ctr 0.67
 O LOCK 3.0x 4.0 Ctr Ctr 0.80
 N LOCK 2.0x 4.0 Ctr Ctr 0.66
 H LOCK 3.0x 4.0 Ctr Ctr 0.82
 G LOCK 3.0x 4.0 Ctr Ctr 0.60
 F LOCK 5.0x 7.0 Ctr-0.5 0.67
 E LOCK 3.0x 4.0 Ctr Ctr 0.60
 P LOCK 2.0x 4.0 Ctr Ctr 0.40

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.

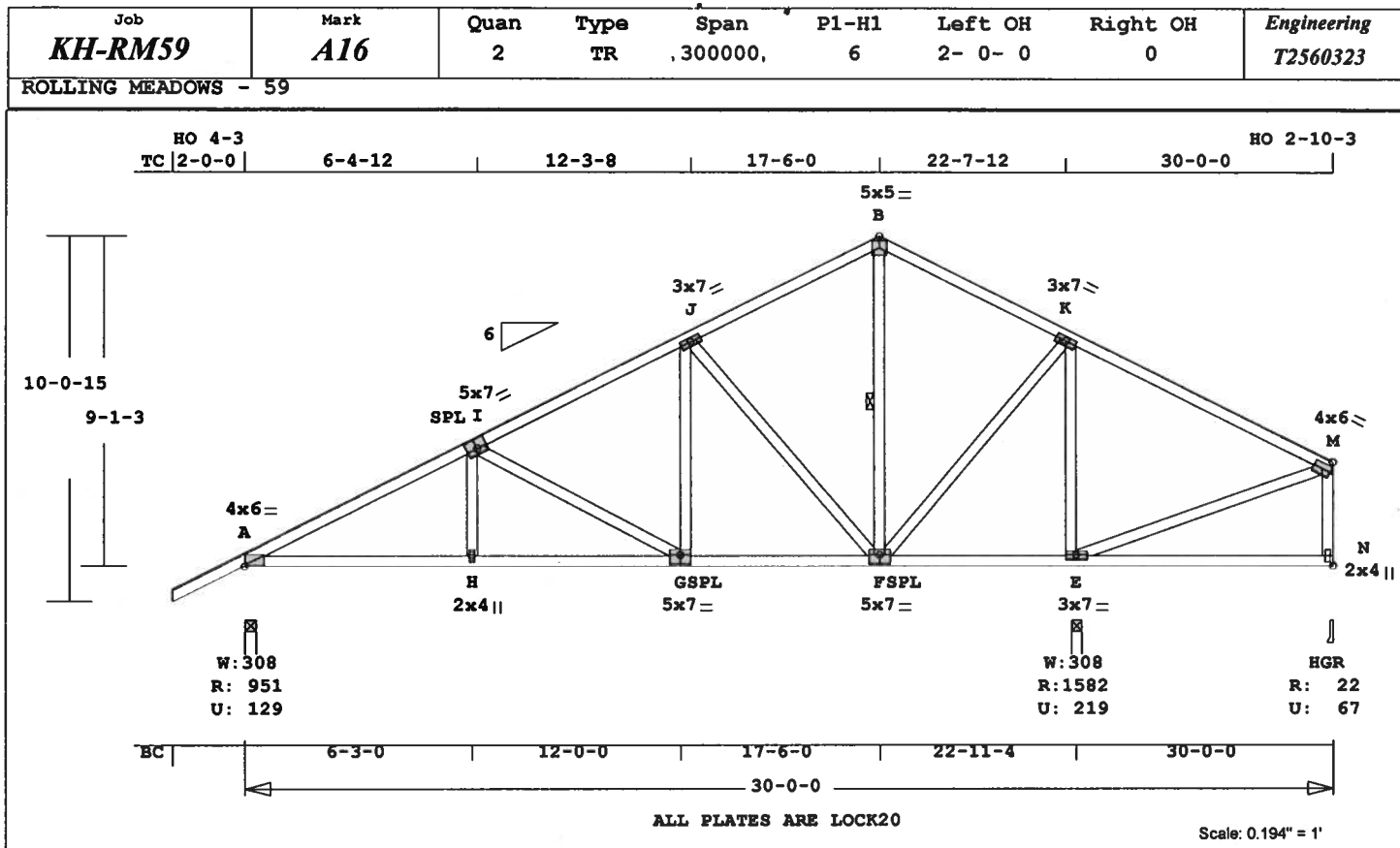
Tampa, FL 33610

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

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 1109 Lbs
 Max tens. force 867 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 227.8 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
TC 0.59 2x 4 SP-#2
BC 0.31 2x 4 SP-#2
WB 0.63 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 30- 0- 0
BC Cont. 0- 0- 0 30- 0- 0
WB 1 rows CLB on F -B
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 952 129 U 169 R
E 1582 220 U
N 23 67 U 217 R

Jt Brg Size Required
A 3.5" 1.5"
E 3.5" 1.7"
N 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -I 0.34 1303 C 0.08 0.26
I -J 0.32 770 C 0.00 0.32
J -B 0.31 339 T 0.00 0.31
B -K 0.52 349 T 0.00 0.52
K -M 0.59 332 T 0.07 0.52
-----Bottom Chords-----
A -H 0.31 1172 T 0.19 0.12

H -G 0.31 1172 T 0.19 0.12
G -F 0.24 688 T 0.07 0.17
F -E 0.30 281 C 0.00 0.30
E -N 0.30 182 T 0.00 0.30

-----Webs-----
H -I 0.03 248 T
I -G 0.30 549 C
G -J 0.06 425 T
J -F 0.54 674 C
F -B 0.01 84 T 1 Br
F -K 0.21 805 T
E -K 0.63 1326 C
E -M 0.20 299 C
N -M 0.02 147 T WindLd

TL Defl -0.14" in E -N L/562
LL Defl -0.07" in E -N L/999
Shear // Grain in K -M 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.64
I LOCK 5.0x 7.0-0.2 0.5 0.68
J LOCK 3.0x 7.0 Ctr Ctr 0.43
B LOCK 5.0x 5.0 Ctr Ctr 0.61
K LOCK 3.0x 7.0 Ctr Ctr 0.50
M LOCK 4.0x 6.0-0.1 Ctr 0.64
H LOCK 2.0x 4.0 Ctr Ctr 0.41
G LOCK 5.0x 7.0 Ctr-0.5 0.69
F LOCK 5.0x 7.0 Ctr-0.5 0.69
E LOCK 3.0x 7.0 Ctr Ctr 0.47
N LOCK 2.0x 4.0 Ctr Ctr 0.43

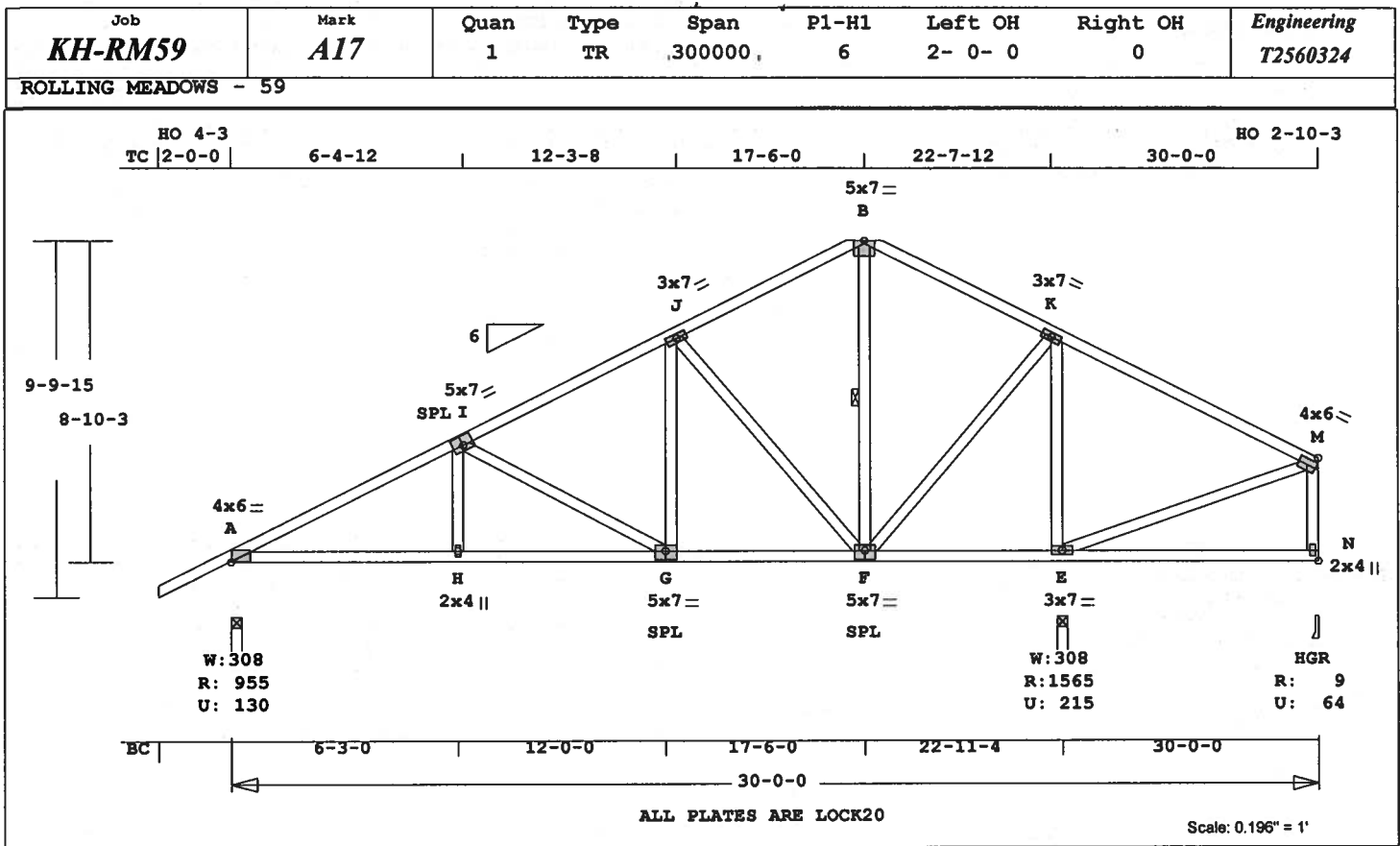
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1326 Lbs
Max tens. force 1172 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 227.4 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
TC 0.58 2x 4 SP-#2
BC 0.31 2x 4 SP-#2
WB 0.63 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 30- 0- 0
BC Cont. 0- 0- 0 30- 0- 0
WB 1 rows CLB on F -B
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 956 130 U 167 R
E 1566 215 U
N 10 65 U 215 R

Jt Brg Size Required
A 3.5" 1.5"
E 3.5" 1.7"
N 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -I 0.34 1311 C 0.08 0.26
I -J 0.32 778 C 0.00 0.32
J -B 0.31 346 T 0.00 0.31
B -K 0.52 355 T 0.00 0.52
K -M 0.58 317 T 0.06 0.52
-----Bottom Chords-----

A -H	0.31	1179	T	0.19	0.12
H -G	0.31	1179	T	0.19	0.12
G -F	0.24	696	T	0.07	0.17
F -E	0.30	267	C	0.00	0.30
E -N	0.30	180	T	0.00	0.30
-----Webs-----					
H -I	0.03	248	T		
I -G	0.30	548	C		
G -J	0.06	426	T		
J -F	0.54	674	C		
F -B	0.01	82	T	1 Br	
F -K	0.20	794	T		
E -K	0.63	1315	C		
E -M	0.19	284	C		
N -M	0.02	148	T	WindLd	

TL Defl -0.14" in E -N L/562
LL Defl -0.07" in E -N L/999
Shear // Grain in K -M 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.64
I LOCK 5.0x 7.0-0.2 0.5 0.68
J LOCK 3.0x 7.0 Ctr Ctr 0.43
B LOCK 5.0x 7.0 Ctr-1.6 0.87
K LOCK 3.0x 7.0 Ctr Ctr 0.49
M LOCK 4.0x 6.0-0.1 Ctr 0.64
H LOCK 2.0x 4.0 Ctr Ctr 0.41
G LOCK 5.0x 7.0 Ctr-0.5 0.69
F LOCK 5.0x 7.0 Ctr-0.5 0.69
E LOCK 3.0x 7.0 Ctr Ctr 0.47
N LOCK 2.0x 4.0 Ctr Ctr 0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

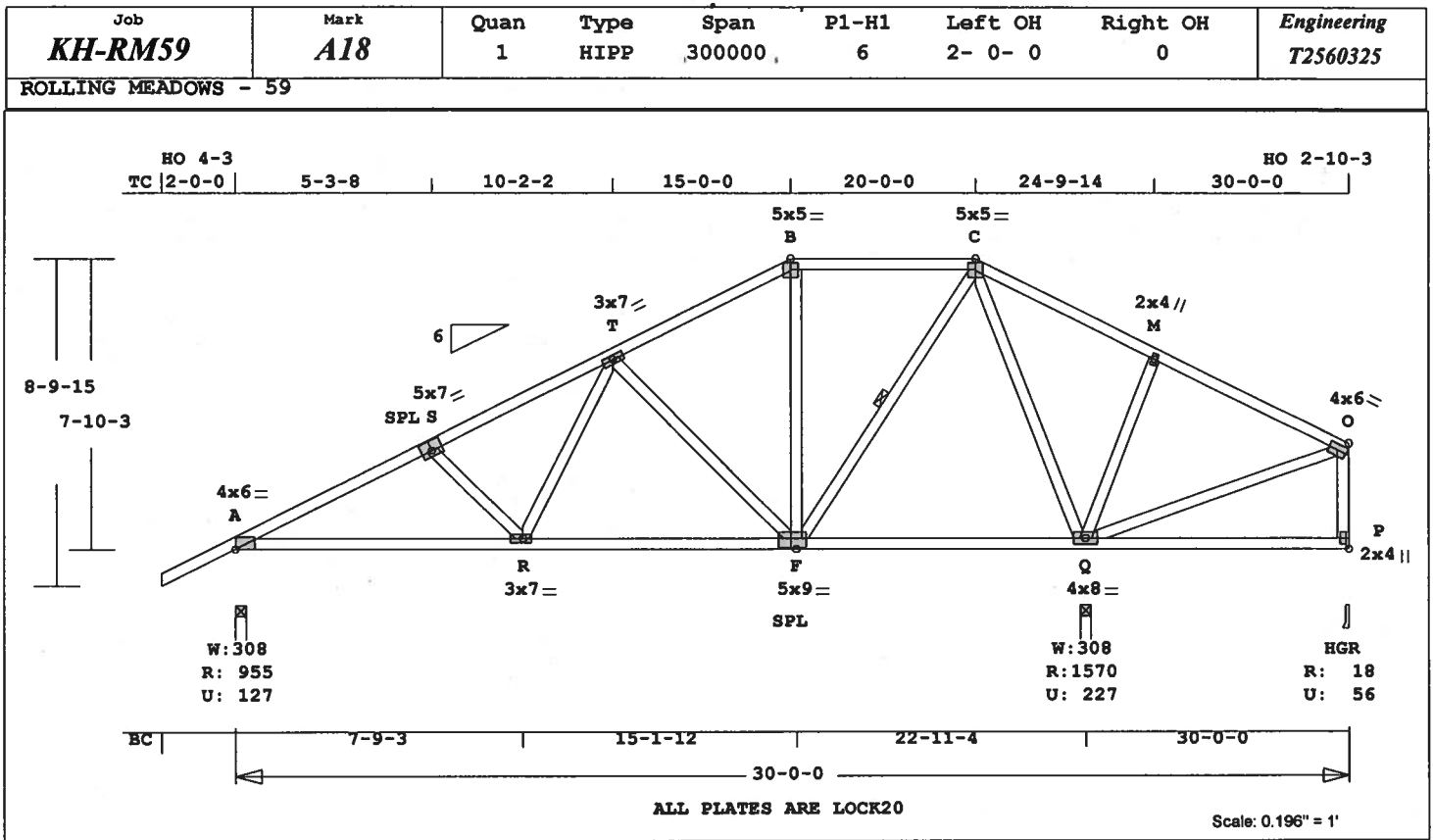
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1315 Lbs
Max tens. force 1179 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 225.7 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

	CSI	-Size-	----	Lumber----
TC	0.39	2x 4	SP-#2	
BC	0.42	2x 4	SP-#2	
WB	0.87	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0	
BC Cont.	0- 0- 0	30- 0- 0	
WB 1 rows CLB on F -C			
Attach CLB with (2)-10d nails at each web.			

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	955	128 U	144 R
Q	1570	227 U	
P	19	57 U	192 R

Jt	Brg Size	Required
A	3.5"	1.5"
Q	3.5"	1.7"
P	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----				
A -S	0.26	1336 C	0.08	0.18
S -T	0.28	1114 C	0.07	0.21
T -B	0.25	506 C	0.04	0.21
B -C	0.27	446 C	0.00	0.27
C -M	0.38	343 T	0.04	0.34
M -O	0.39	239 T	0.05	0.34

-----Bottom Chords-----

A -R	0.42	1202 T	0.12	0.30
R -F	0.38	830 T	0.08	0.30
F -Q	0.36	169 T	0.00	0.36
Q -P	0.36	157 T	0.00	0.36

-----Webs-----

S -R	0.05	289 C		
R -T	0.07	431 T		
T -F	0.34	552 C		
F -B	0.02	92 T		
F -C	0.12	694 T	1 Br	
C -Q	0.87	1084 C		
Q -M	0.13	339 C		
M -O	0.14	212 C		
P -O	0.02	112 T	WindLd	

TL Defl	-0.12"	in Q -P	L/674
LL Defl	-0.06"	in Q -P	L/999
Shear //	Grain	in C -M	0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area				
Plate - RHS 20 Ga, Gross Area				
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x	6.0	Ctr	0.1 0.64
S LOCK	5.0x	7.0-0.2	0.5	0.68
T LOCK	3.0x	7.0	Ctr	0.49
B LOCK	5.0x	5.0	Ctr-0.2	0.92
C LOCK	5.0x	5.0	Ctr-0.2	0.92
M LOCK	2.0x	4.0	Ctr	0.41
O LOCK	4.0x	6.0-0.1	Ctr	0.64
R LOCK	3.0x	7.0-0.8	Ctr	0.50
F LOCK	5.0x	9.0	0.5-0.5	0.69
Q LOCK	4.0x	8.0	Ctr	0.52
P LOCK	2.0x	4.0	Ctr	0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

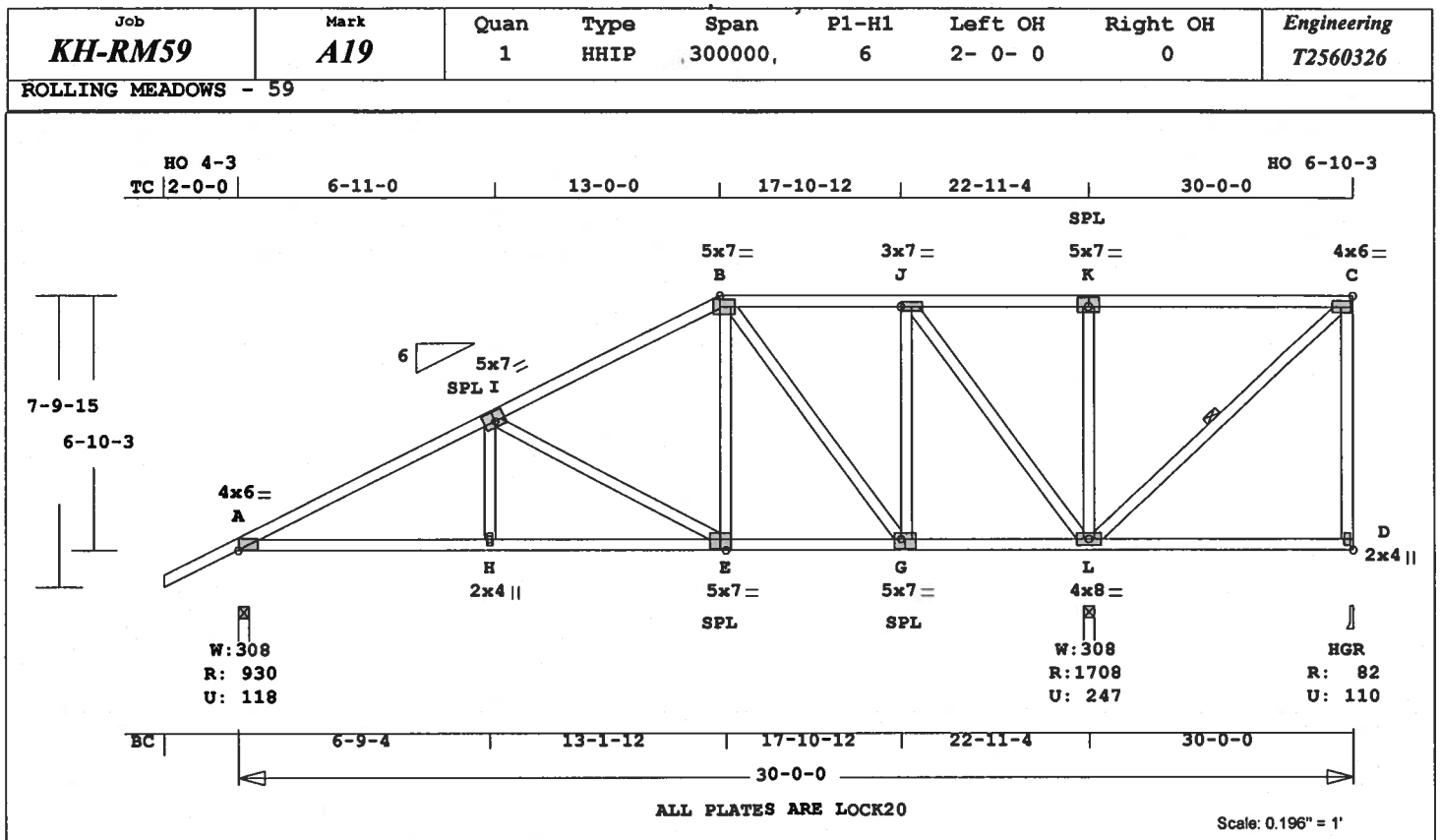
Max comp. force 1336 Lbs

Max tens. force 1202 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



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

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI	Size	Lumber
TC	0.54	2x 4 SP-#2
BC	0.35	2x 4 SP-#2
WB	0.80	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0
BC Cont.	0- 0- 0	30- 0- 0
WB 1 rows CLB on L -C		
Attach CLB with (2)-10d nails at each web.		

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	930	119 U	122 R
L	1709	248 U	
D	82	111 G	233 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
L	3.5"	1.8"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-------	-----	-------	-----	---------

-----Top Chords-----				
A -I	0.41	1229 C	0.00	0.41
I -B	0.41	636 C	0.00	0.41
B -J	0.18	222 C	0.00	0.18
J -K	0.54	365 T	0.06	0.48
K -C	0.54	365 T	0.06	0.48

-----Bottom Chords-----					
A -H	0.35	1108 T	0.11	0.24	
H -E	0.35	1108 T	0.11	0.24	
E -G	0.22	554 T	0.05	0.17	
G -L	0.31	222 T	0.02	0.29	
L -D	0.29	183 T	0.00	0.29	

-----Webs-----					
H -I	0.04	277 T			
I -E	0.39	621 C			
E -B	0.07	447 T			
B -G	0.45	553 C			
G -J	0.11	518 T			
J -L	0.80	982 C			
L -K	0.22	426 C			
L -C	0.15	504 C			1 Br
D -C	0.18	197 T	WindLd		

TL Defl -0.13" in L -D L/609
LL Defl -0.07" in L -D L/999
Shear // Grain in K -C 0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.64
I LOCK 5.0x 7.0-0.2 0.5 0.68
B LOCK 5.0x 7.0-0.5-0.1 0.87
J LOCK 3.0x 7.0 Ctr Ctr 0.46
K LOCK 5.0x 7.0 Ctr 0.5 0.69
C LOCK 4.0x 6.0 Ctr Ctr 0.64
H LOCK 2.0x 4.0 Ctr Ctr 0.41
E LOCK 5.0x 7.0 Ctr-0.5 0.69
G LOCK 5.0x 7.0 Ctr-0.5 0.69
L LOCK 4.0x 8.0 Ctr Ctr 0.42
D LOCK 2.0x 4.0 Ctr Ctr 0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

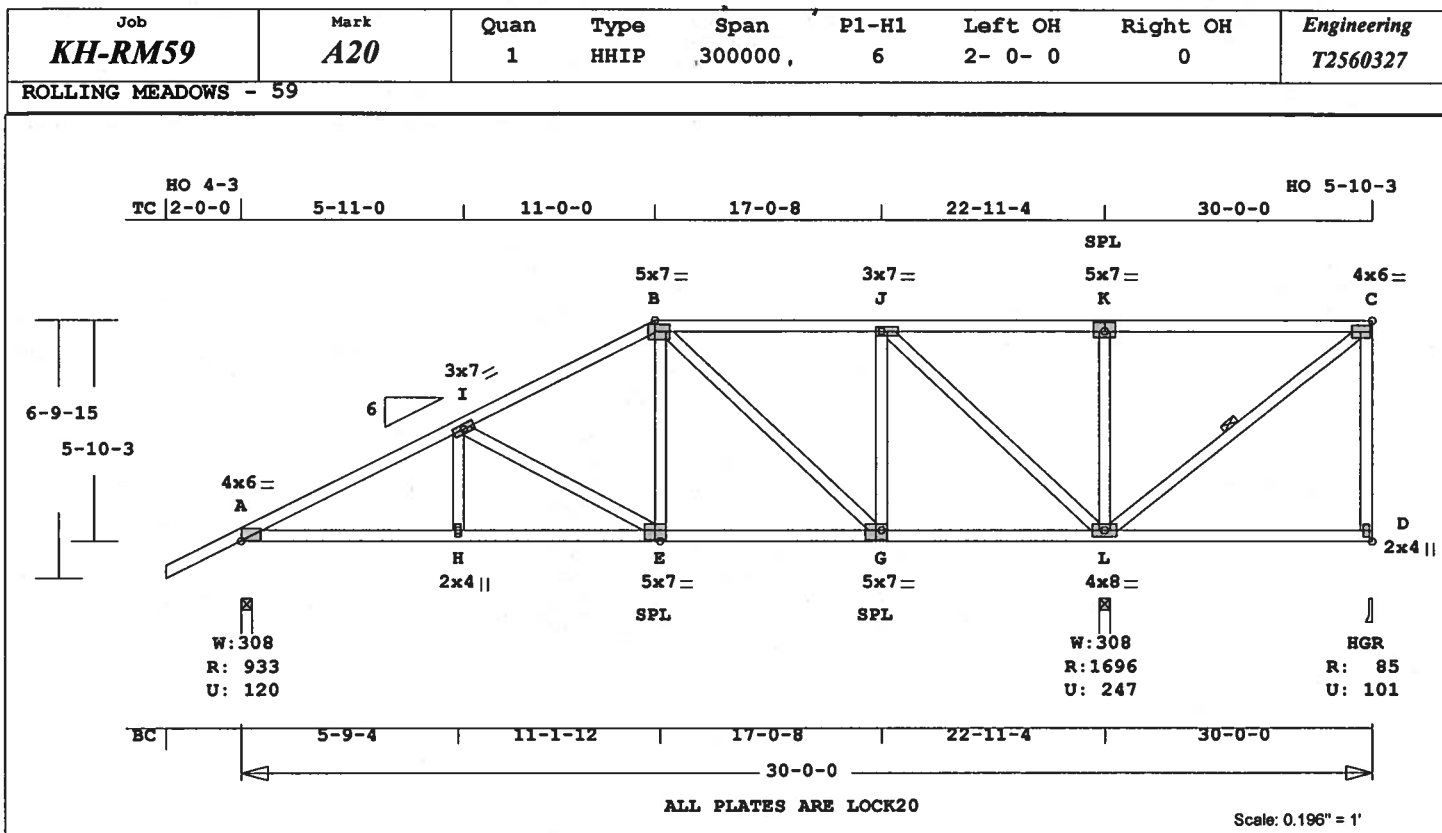
Max comp. force 1229 Lbs

Max tens. force 1108 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 221.0 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

	CSI	Size	---Lumber---
TC	0.57	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
WB	0.89	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	30- 0- 0
BC	Cont.	0- 0- 0	30- 0- 0
WB	1 rows	CLB on L	-C

Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	933	120 U	110 R
L	1697	247 U	
D	85	102 G	197 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
L	3.5"	1.8"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - I	0.31	1287 C	0.07	0.24
I - B	0.29	816 C	0.05	0.24
B - J	0.31	397 C	0.00	0.31
J - K	0.57	417 T	0.07	0.50
K - C	0.57	417 T	0.07	0.50

-----Bottom Chords-----					
A - H	0.29	1156 T	0.19	0.10	
H - E	0.28	1156 T	0.19	0.09	
E - G	0.23	721 T	0.07	0.16	
G - L	0.34	397 T	0.04	0.30	
L - D	0.30	154 T	0.00	0.30	
-----Webs-----					
H - I	0.03	221 T			
I - E	0.22	487 C			
E - B	0.06	398 T			
B - G	0.35	443 C			
G - J	0.07	448 T			
J - L	0.89	1119 C			
L - K	0.17	441 C			
L - C	0.13	535 C	1 Br		
D - C	0.13	189 T	WindLd		

TL Defl -0.13" in L -D L/628
LL Defl -0.06" in L -D L/999
Shear // Grain in K -C 0.32

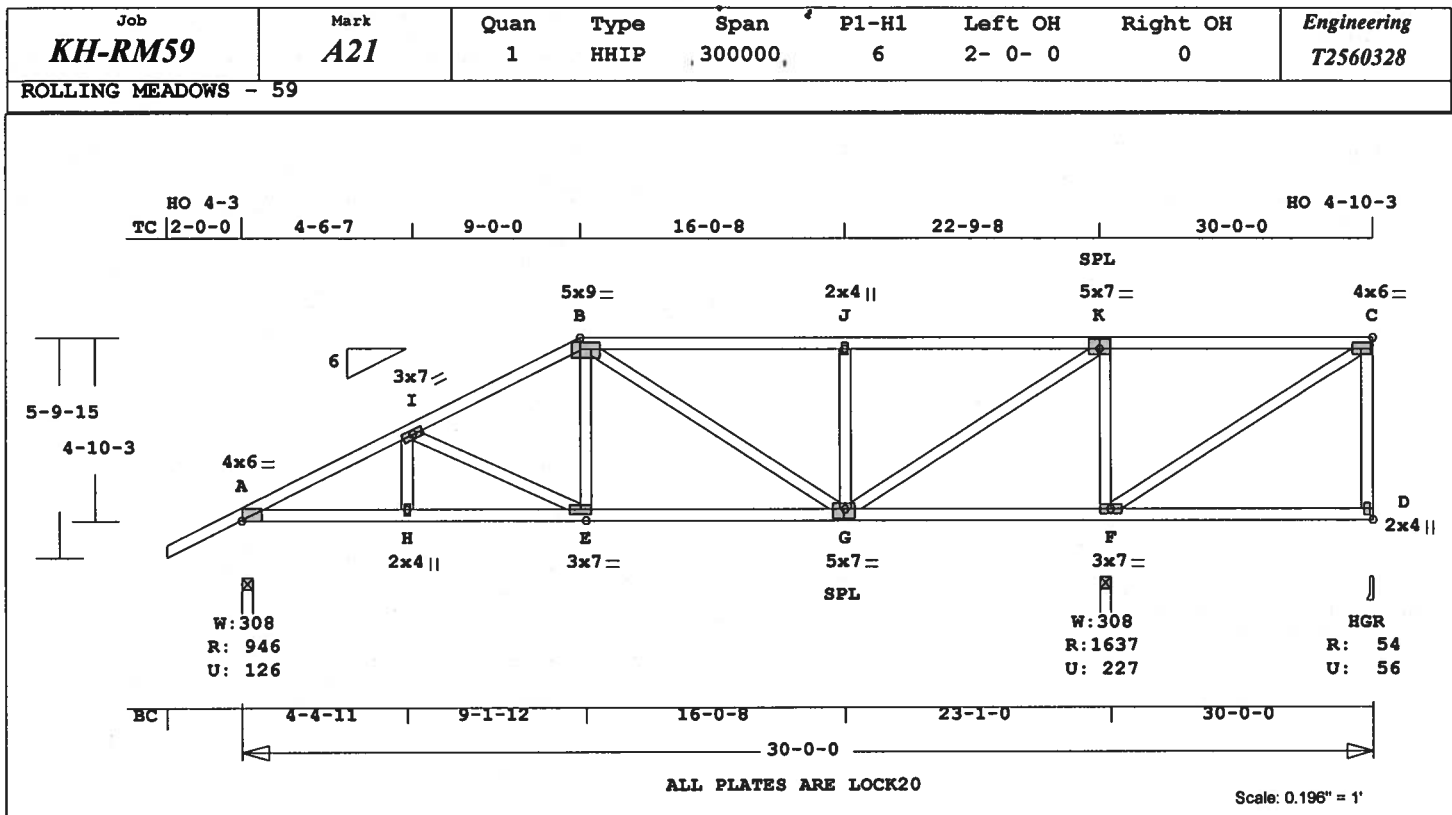
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.64
I LOCK 3.0x 7.0 Ctr Ctr 0.39
B LOCK 5.0x 7.0-0.5-0.1 0.87
J LOCK 3.0x 7.0 Ctr Ctr 0.43
K LOCK 5.0x 7.0 Ctr 0.5 0.69
C LOCK 4.0x 6.0 Ctr Ctr 0.64
H LOCK 2.0x 4.0 Ctr Ctr 0.41
E LOCK 5.0x 7.0 Ctr-0.5 0.69
G LOCK 5.0x 7.0 Ctr-0.5 0.69
L LOCK 4.0x 8.0 Ctr Ctr 0.41
D LOCK 2.0x 4.0 Ctr Ctr 0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1287 Lbs
Max tens. force 1156 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 209.7 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
TC 0.61 2x 4 SP-#2
BC 0.32 2x 4 SP-#2
WB 0.46 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0
BC Cont.	0- 0- 0	30- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15 Fc=1.10 Ft=1.10		
BC Fb=1.10 Fc=1.10 Ft=1.10		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	947	126 U	98 R
F	1638	227 U	
D	54	56 G	161 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
F	3.5"	1.7"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----				
A -I	0.23	1385 C	0.08	0.15
I -B	0.24	1025 C	0.00	0.24
B -J	0.46	668 C	0.00	0.46
J -K	0.54	668 C	0.00	0.54
K -C	0.61	433 T	0.07	0.54
-----Bottom Chords-----				
A -H	0.24	1238 T	0.20	0.04

H -E	0.32	1238 T	0.12	0.20
E -G	0.32	917 T	0.09	0.23
G -F	0.32	433 C	0.00	0.32
F -D	0.32	126 T	0.00	0.32

-----Webs-----				
H -I	0.02	154 T		
I -E	0.11	347 C		
E -B	0.05	352 T		
B -G	0.24	295 C		
G -J	0.11	434 C		
J -K	0.46	1321 T		
F -K	0.31	1192 C		
F -C	0.43	519 C		
D -C	0.08	161 T	WindLd	

TL Defl -0.12" in F -D L/674
LL Defl -0.06" in F -D L/999
Shear // Grain in K -C 0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.64
I	LOCK	3.0x 7.0	Ctr	Ctr	0.39
B	LOCK	5.0x 9.0	Ctr	-0.4	0.97
J	LOCK	2.0x 4.0	Ctr	Ctr	0.41
K	LOCK	5.0x 7.0	Ctr	0.5	0.69
C	LOCK	4.0x 6.0	Ctr	Ctr	0.64
H	LOCK	2.0x 4.0	Ctr	Ctr	0.41
E	LOCK	3.0x 7.0	Ctr	Ctr	0.44
G	LOCK	5.0x 7.0	Ctr	-0.5	0.95
F	LOCK	3.0x 7.0	Ctr	Ctr	0.40
D	LOCK	2.0x 4.0	Ctr	Ctr	0.43

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

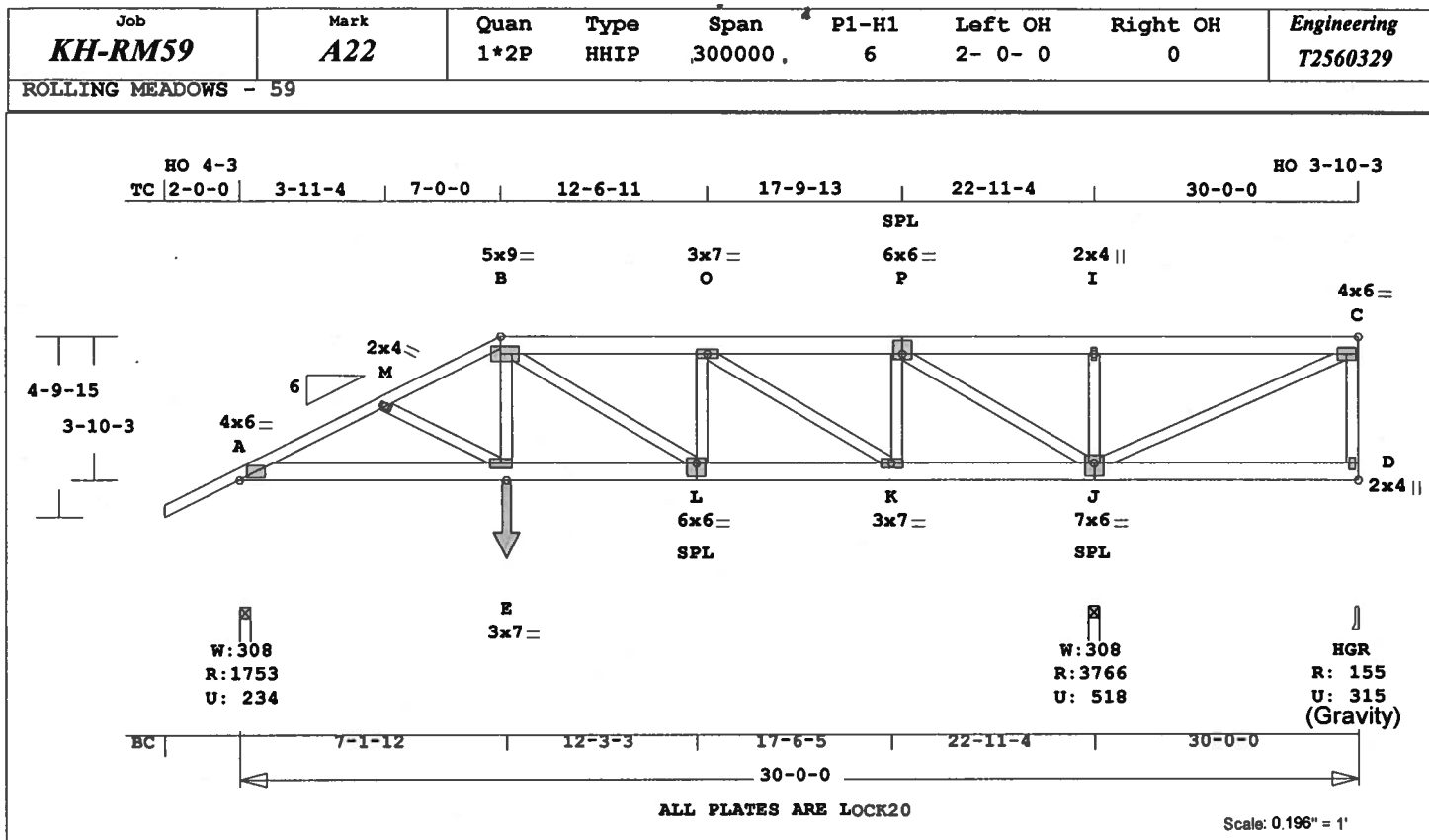
Max comp. force 1385 lbs

Max tens. force 1321 lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

 * 2-Ply Truss *

CSI	Size	-----Lumber-----
TC	0.42	2x 6 SP-#2
BC	0.25	2x 6 SP-#2
WB	0.23	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0
BC Cont.	0- 0- 0	30- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1753	235 U	89 R
J	3767	518 U	
D	156	316 G	118 R

G = Gravity Uplift

Jt	Brg	Size	Required
A	3.5"	1.5"	
J	3.5"	2.0"	
D	3.5"	1.5"	

LC# 1 Girder Loading

plf - Dead	Live*	From	To
TC V	20	40	0.0' 30.0'
BC V	20	0	0.0' 30.0'
TC V	25	50	7.0' 29.0'
TC V	-20	-40	29.0' 30.0'
BC V	25	0	7.1' 29.0'
BC V	-20	0	29.0' 30.0'
BC V	280	280	7.1' CL-LB

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -M	0.11	3117	C	0.02 0.09
M -B	0.24	2994	C	0.01 0.23
B -O	0.20	2916	C	0.00 0.20
O -P	0.20	1363	C	0.00 0.20
P -I	0.42	1329	T	0.08 0.34

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 250.2 LBS

I -C	0.42	1329	T	0.08	0.34
-----Bottom Chords-----					
A -E	0.25	2777	T	0.18	0.07
E -L	0.23	2688	T	0.17	0.06
L -K	0.24	2916	T	0.19	0.05
K -J	0.24	1363	T	0.09	0.15
J -D	0.19	92	T	0.00	0.19
-----Webs-----					
M -E	0.01	195	T		
E -B	0.06	768	T		
B -L	0.02	266	T		
L -O	0.03	427	T		
O -K	0.13	1846	C		
K -P	0.10	1160	T		
P -J	0.23	3203	C		
J -I	0.05	1008	C		
J -C	0.14	1480	C		
D -C	0.03	398	T	WindLd	

TL Defl -0.10" in E -L L/999
 LL Defl -0.05" in E -L L/999
 Shear // Grain in I -C 0.23

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 4.0x 6.0 Ctr Ctr 0.67
 M LOCK 2.0x 4.0 Ctr Ctr 0.41
 B LOCK 5.0x 9.0-0.5 Ctr 0.93
 O LOCK 3.0x 7.0 Ctr Ctr 0.40
 P LOCK 6.0x 6.0 Ctr 1.2 0.55
 I LOCK 2.0x 4.0 Ctr Ctr 0.41
 C LOCK 4.0x 6.0 Ctr Ctr 0.82
 E LOCK 3.0x 7.0 Ctr Ctr 0.42
 L LOCK 6.0x 6.0 Ctr-1.2 0.55
 K LOCK 3.0x 7.0 Ctr Ctr 0.40
 J LOCK 7.0x 6.0 Ctr-0.8 0.85
 D LOCK 2.0x 4.0 Ctr Ctr 0.70

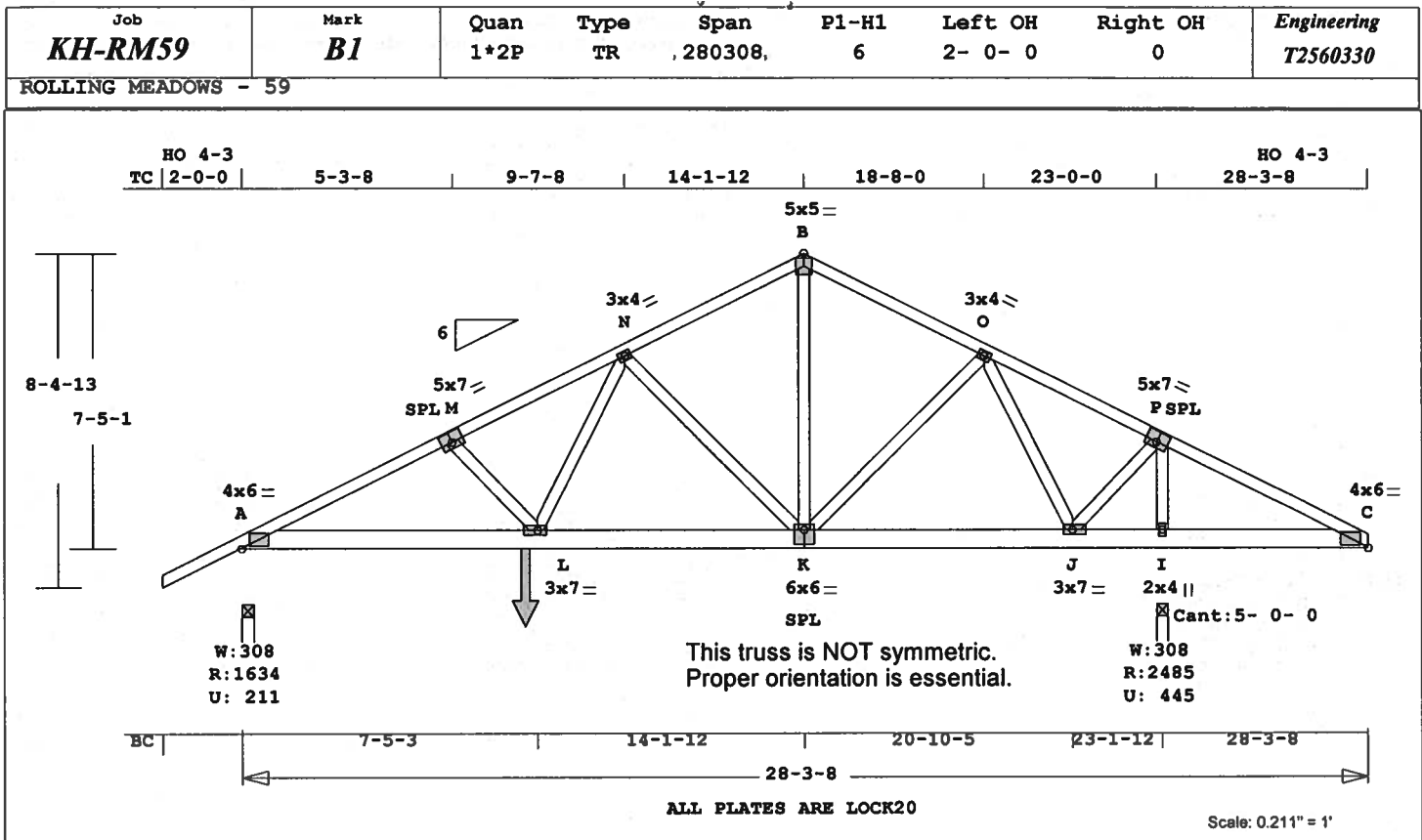
REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 Girder Half Hip
 Framing King Jacks

Jack Open Faced
 Setback 7- 0- 0
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)
 ----Spacing (In)----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 12 24 0
 WB 1 8 8
 Plus clusters of nails where
 shown.
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 3203 Lbs
 Max tens. force 2916 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 215.0 LBS

Online Plus -- Version 21.0.032

RUN DATE: 31-MAY-07

* 2-Ply Truss *

CSI	Size	Lumber
TC	0.17	2x 4 SP-#2
BC	0.39	2x 6 SP-#2
WB	0.16	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	28- 3- 8
BC Cont.	0- 0- 0	28- 3- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	24.0
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1635	211 U	141 R
I	2485	446 U	139 R

Jt	Brg Size	Required
A	3.5"	1.5"
I	3.5"	1.5"

LC# 1 Standard Loading

Dur Fctrs	Lbr	Plt	1.25
plf - Dead	Live*	From	To
TC V	20	40	0.0' 28.3'
BC V	20	0	0.0' 28.3'
BC V	51	51	8.0' 23.3'
BC V	78	78	7.1' CL-LB

Plus 9 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -M	0.16	2881 C	0.09 0.07
M -N	0.17	2698 C	0.08 0.09
N -B	0.15	1699 C	0.06 0.09
B -O	0.15	1699 C	0.06 0.09
O -P	0.12	1042 C	0.03 0.09
P -C	0.15	365 C	0.03 0.12

-----Bottom Chords-----

A -L	0.28	2578 T	0.17 0.11
L -K	0.39	2071 T	0.13 0.26
K -J	0.34	1291 T	0.08 0.26
J -I	0.13	429 T	0.00 0.13
I -C	0.09	429 T	0.02 0.07

-----Webs-----

M -L	0.01	245 C
L -N	0.07	849 T
N -K	0.06	804 C
K -B	0.11	1267 T
K -O	0.03	329 T
O -J	0.05	874 C
J -P	0.16	1828 T
I -P	0.10	2254 C

TL Defl -0.09" in L -K L/999

LL Defl -0.04" in L -K L/999

LL Cant 0.01" in I -C L/999

Shear // Grain in L -K 0.18

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate	LOCK	20 Ga.	Gross Area
Plate - LOCK	20 Ga. <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X	Y JSI
A LOCK	4.0x	6.0	Ctr Ctr 0.65
M LOCK	5.0x	7.0-0.2	0.5 0.66
N LOCK	3.0x	4.0	Ctr Ctr 0.62
B LOCK	5.0x	5.0	Ctr Ctr 0.60
O LOCK	3.0x	4.0	Ctr Ctr 0.62
P LOCK	5.0x	7.0	0.2 0.5 0.66
C LOCK	4.0x	6.0	Ctr Ctr 0.65
L LOCK	3.0x	7.0-0.8	Ctr 0.50
K LOCK	6.0x	6.0	Ctr-1.2 0.57
J LOCK	3.0x	7.0	0.8 Ctr 0.50
I LOCK	2.0x	4.0	Ctr Ctr 0.63

REVIEWED BY:

Robbins Engineering, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

2 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 2881 Lbs

Max tens. force 2578 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681

Robbins Engineering

6904 Parke East Blvd

Tampa, FL, 33610

FL Cert.#5555

May 31,2007

ROLLING MEADOWS - 59

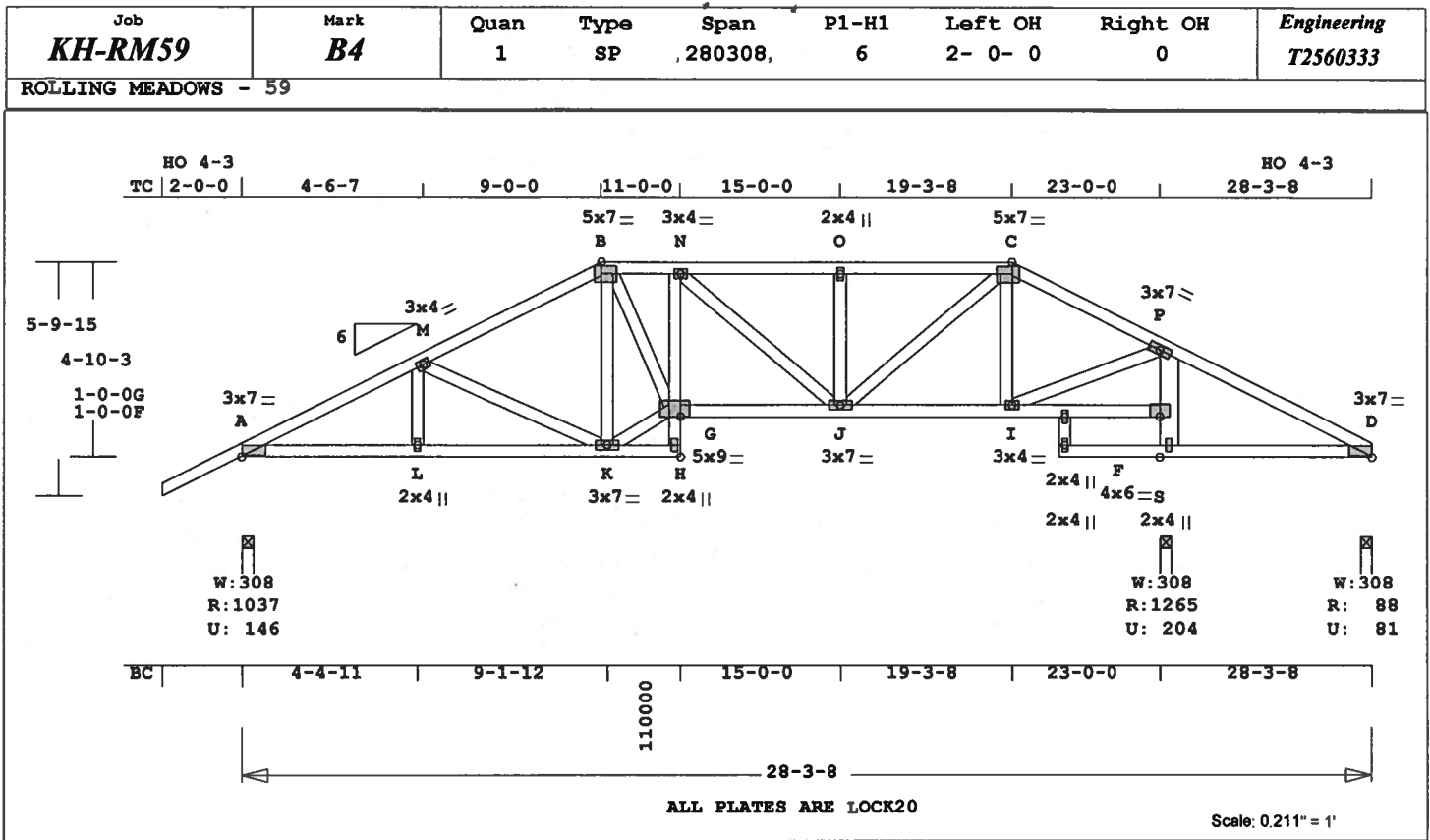


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ROLLING MEADOWS - 59



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Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 206.6 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ---Lumber---
TC 0.32 2x 4 SP-#2
BC 0.31 2x 4 SP-#2
CW 0.17 2x 6 SP-#2
-- 0.06 2x 4 SP-#2
E -N
WB 0.22 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 28- 3- 8
BC Cont. 0- 0- 0 28- 3- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1037 147 U 91 R
S 1266 205 U
D 88 81 U 90 R

Jt Brg Size Required
A 3.5" 1.5"
S 3.5" 1.5"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -M 0.26 1586 C 0.09 0.17
B -B 0.26 1206 C 0.08 0.18
M -N 0.16 1415 C 0.09 0.07
N -O 0.16 1299 C 0.01 0.15
O -C 0.16 1299 C 0.01 0.15
C -P 0.28 842 C 0.00 0.28
P -D 0.32 206 T 0.04 0.28
-----Bottom Chords-----
A -L 0.28 1421 T 0.23 0.05
L -K 0.31 1421 T 0.23 0.08
K -E 0.10 31 T 0.00 0.10
G -J 0.29 1422 T 0.23 0.06
J -I 0.17 748 T 0.12 0.05

I -F 0.13 234 C 0.00 0.13
S -D 0.16 170 C 0.00 0.16
-----Chord-Webs-----
H -G 0.06 8 C 0.00 0.06
G -N 0.05 80 T 0.00 0.05
S -F 0.17 1208 C 0.00 0.17
F -P 0.10 1154 C 0.00 0.10
-----Webs-----
L -M 0.02 168 T
M -K 0.12 381 C
K -B 0.09 355 C
K -G 0.22 1219 T
B -G 0.14 766 T
N -J 0.05 162 C
J -O 0.04 261 C
J -C 0.13 718 T
I -C 0.05 309 C
I -P 0.19 1043 T

TL Defl -0.05" in S -D L/999
LL Defl -0.02" in S -D L/999
Shear // Grain in P -D 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 7.0 0.3 0.1 0.69
M LOCK 3.0x 4.0 Ctr Ctr 0.67
B LOCK 5.0x 7.0-0.5-0.1 0.85
N LOCK 3.0x 4.0 Ctr Ctr 0.49
O LOCK 2.0x 4.0 Ctr Ctr 0.40
C LOCK 5.0x 7.0 0.5-0.1 0.85
P LOCK 3.0x 7.0 Ctr Ctr 0.51
D LOCK 3.0x 7.0-0.3 0.1 0.69
L LOCK 2.0x 4.0 Ctr Ctr 0.40
K LOCK 3.0x 7.0 Ctr Ctr 0.83
H LOCK 2.0x 4.0 Ctr Ctr 0.58
G LOCK 5.0x 9.0 Ctr 0.8 0.67
J LOCK 3.0x 7.0 Ctr Ctr 0.53
I LOCK 3.0x 4.0 Ctr Ctr 0.60
F LOCK 4.0x 6.0 Ctr 0.2 0.76
S LOCK 2.0x 4.0 Ctr Ctr 0.91

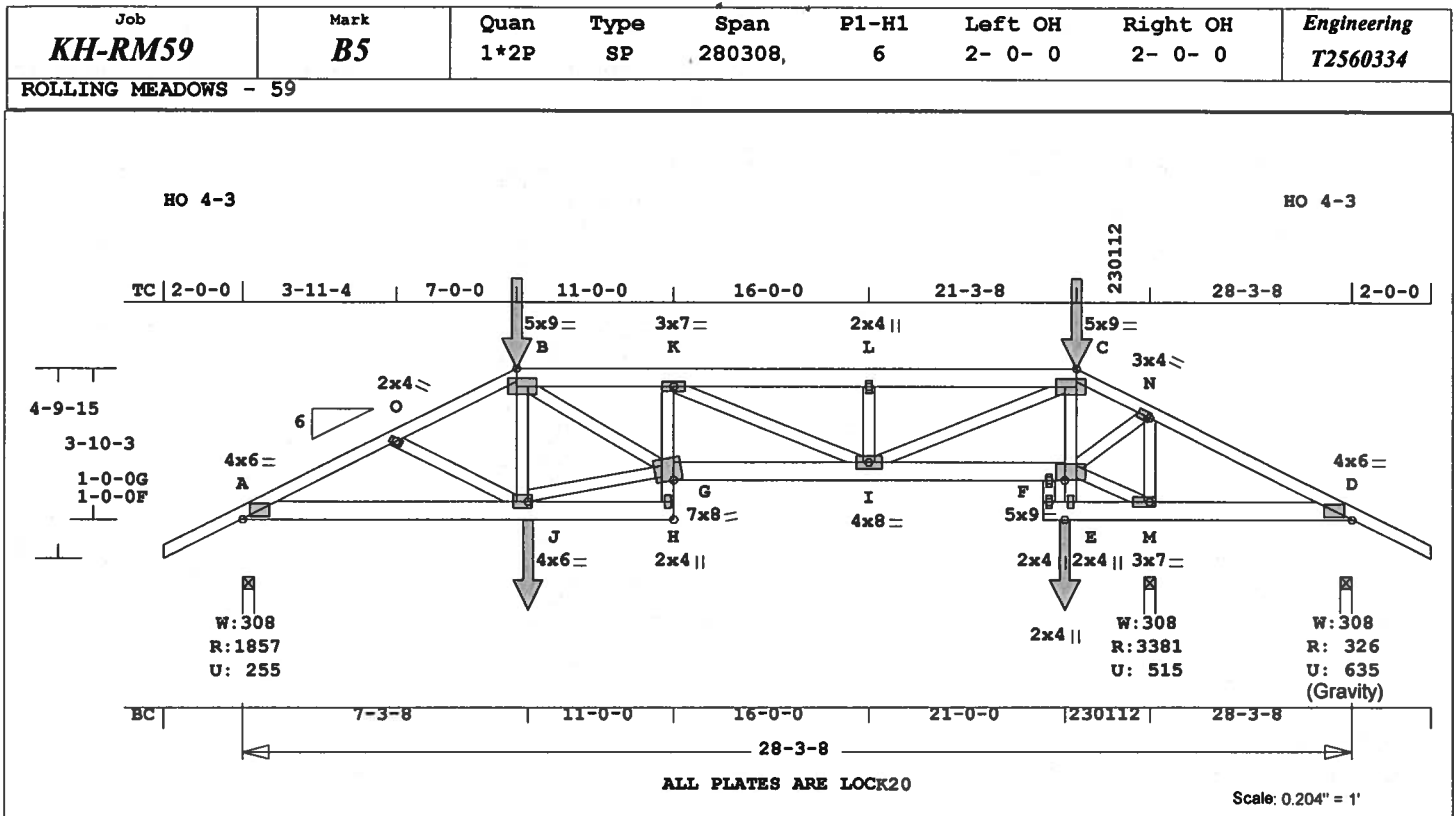
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
23- 0- 0 28- 3- 8
Max comp. force 1586 Lbs
Max tens. force 1422 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 234.5 LBS

Online Plus -- Version 21.0.032

RUN DATE: 31-MAY-07

* 2-Ply Truss *

TC	Size	SP	SP-#2
0.36	2x 4	SP-#2	
0.23	2x 6	SP-#2	
B - C			
BC	0.42	2x 6	SP-#2
CW	0.25	2x 4	SP-#2
WB	0.31	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC	Cont.	0- 0- 0 28- 3- 8
BC	Cont.	0- 0- 0 28- 3- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=1.00 Fc=1.00 Ft=1.00		
BC Fb=1.00 Fc=1.00 Ft=1.00		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1858	255 U	68 R
M	3381	516 U	
D	326	635 G	67 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	1.8"
D	3.5"	1.5"

LC# 1 Standard Loading

Dur Fctrs	Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	28.3'
BC V	20	0	0.0'	28.3'
TC V	25	50	7.0'	21.3'
BC V	25	0	7.3'	21.0'
TC V	120	120	7.0'	CL-LB
BC V	174	174	7.3'	CL-LB
TC V	56	56	21.3'	CL-LB
BC V	49	49	21.0'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - O	0.14	3389 C	0.10	0.04
O - B	0.15	3213 C	0.10	0.05
B - K	0.15	4523 C	0.10	0.05
K - L	0.18	3309 C	0.01	0.17
L - C	0.23	3309 C	0.01	0.22
C - N	0.26	207 C	0.00	0.26

N - D	0.36	1703 T	0.16	0.20
-----Bottom Chords-----				
A - J	0.26	3028 T	0.20	0.06
J - H	0.04	172 T	0.01	0.03
G - I	0.42	4552 T	0.30	0.12
I - F	0.14	190 T	0.01	0.13
E - M	0.11	241 C	0.00	0.11
M - D	0.11	1507 C	0.00	0.11
-----Chord Webs-----				
H - G	0.18	96 T	0.00	0.18
G - K	0.07	215 T	0.00	0.07
F - C	0.07	1663 C	0.07	0.00
E - F	0.25	45 T	0.00	0.25
-----Webs-----				
O - J	0.01	228 T		
J - B	0.00	149 C		
B - G	0.25	2812 T		
J - G	0.17	1901 T		
K - I	0.09	1371 C		
I - L	0.03	587 C		
I - C	0.31	3390 T		
F - N	0.18	2000 T		
F - M	0.06	1415 C		
M - N	0.11	2493 C		

TL Defl -0.17" in G - I L/999
LL Defl -0.08" in G - I L/999
Shear // Grain in C - N 0.18

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr Ctr 0.65
O LOCK 2.0x 4.0 Ctr Ctr 0.40
B LOCK 5.0x 9.0 Ctr Ctr 0.98
K LOCK 3.0x 7.0 Ctr Ctr 0.45
L LOCK 2.0x 4.0 Ctr Ctr 0.40
C LOCK 5.0x 9.0 Ctr Ctr 0.98
N LOCK 3.0x 4.0 Ctr Ctr 0.67
D LOCK 4.0x 6.0 Ctr Ctr 0.65
J LOCK 4.0x 6.0 Ctr Ctr 0.98
H LOCK 2.0x 4.0 Ctr Ctr 0.91
G LOCK 7.0x 8.0 Ctr 0.5 0.57
I LOCK 4.0x 8.0 Ctr Ctr 0.65
F LOCK 5.0x 9.0 Ctr Ctr 0.68
E LOCK 2.0x 4.0 Ctr Ctr 0.91
M LOCK 3.0x 7.0 Ctr Ctr 0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

Trusses Manufactured by:

Mayo Truss Co., Inc.

Analysis Conforms To:

FBC2004

2 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)

Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

23- 1-12 28- 3- 8

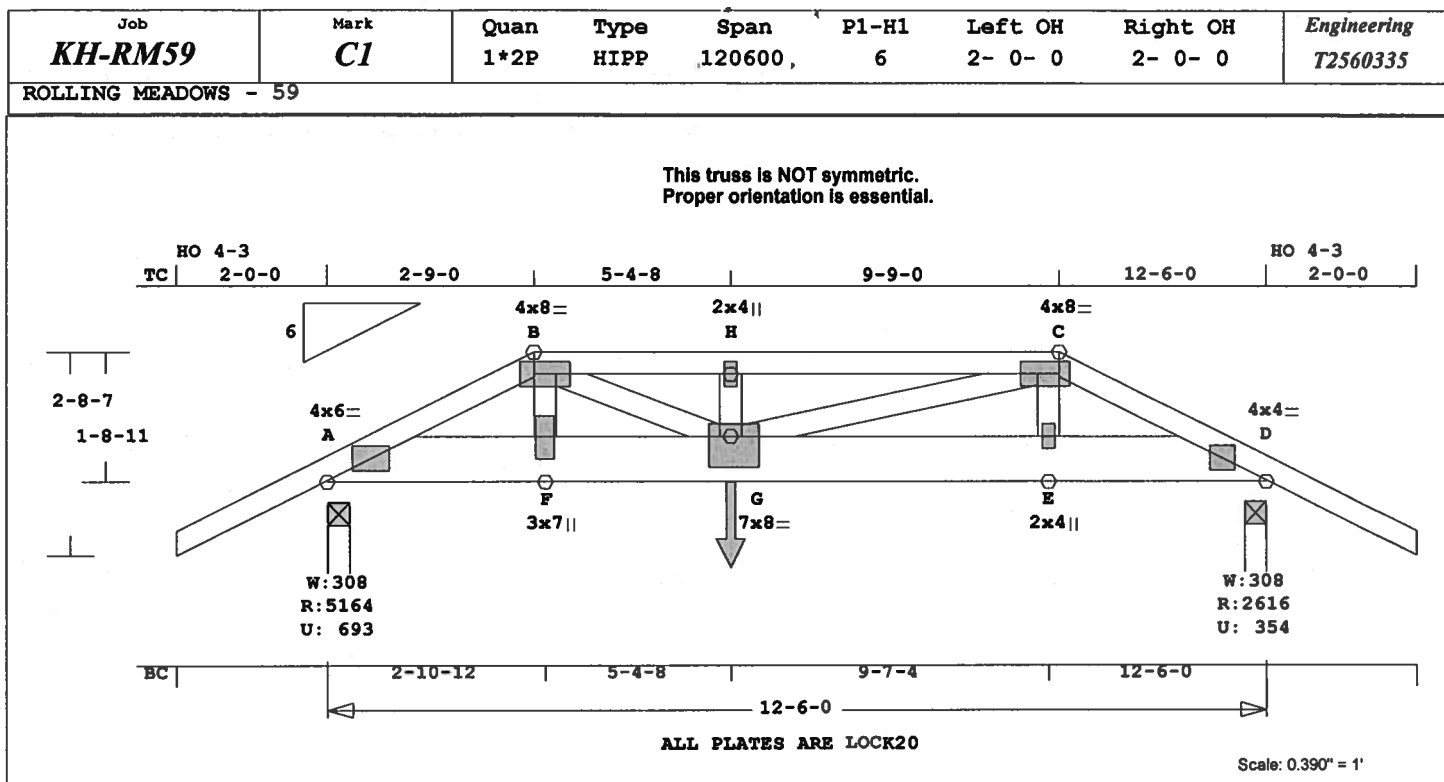
Max comp. force 4523 Lbs

Max tens. force 4552 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 97.8 LBS

Online Plus -- Version 21.0.032

RUN DATE: 31-MAY-07

* 2-Ply Truss *

CSI	Size	---Lumber---
TC	0.63	2x 4 SP-#2
BC	0.99	2x 8 SP-#2
WB	0.50	2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	12- 6- 0	
BC Cont.	0- 0- 0	12- 6- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	5165	693 U	78 R
D	2617	354 U	36 R

Jt	Brg Size	Required
A	3.5"	3.0"
D	3.5"	1.5"

LC# 1 Standard Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	12.5'
BC V	20	0	0.0'	12.5'
BC V	350	350	0.0'	4.5'
BC V	1688	1688	5.4'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.57	8440 C	0.40	0.17
B -H	0.62	10302 C	0.48	0.14
H -C	0.63	10302 C	0.48	0.15

C -D 0.32 5730 C 0.27 0.05

-----Bottom Chords-----

A -F	0.70	7732 T	0.43	0.27
F -G	0.99	7528 T	0.42	0.57
G -E	0.85	5072 T	0.28	0.57
E -D	0.35	5173 T	0.29	0.06

-----Webs-----

F -B	0.16	1853 T
B -G	0.28	3066 T
G -H	0.01	244 T
G -C	0.50	5421 T
E -C	0.06	771 T

TL Defl	-0.24"	in F -G	L/603
LL Defl	-0.12"	in F -G	L/999
Shear //	Grain	in F -G	0.39

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt	Size	X	Y	JSI
A	LOCK	4.0x	6.0	Ctr	Ctr	0.95
B	LOCK	4.0x	8.0	Ctr	Ctr	0.85
H	LOCK	2.0x	4.0	Ctr	Ctr	0.38
C	LOCK	4.0x	8.0-0.5	Ctr	0.85	
D	LOCK	4.0x	4.0	Ctr	Ctr	0.96
F	LOCK	3.0x	7.0	Ctr-0.1	0.66	
G	LOCK	7.0x	8.0	0.5-1.4	0.82	
E	LOCK	2.0x	4.0	Ctr	Ctr	0.41

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)

-----Spacing (In)-----

Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	10.5	20	0
WB 1	8	8	

Plus clusters of nails where
shown.

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

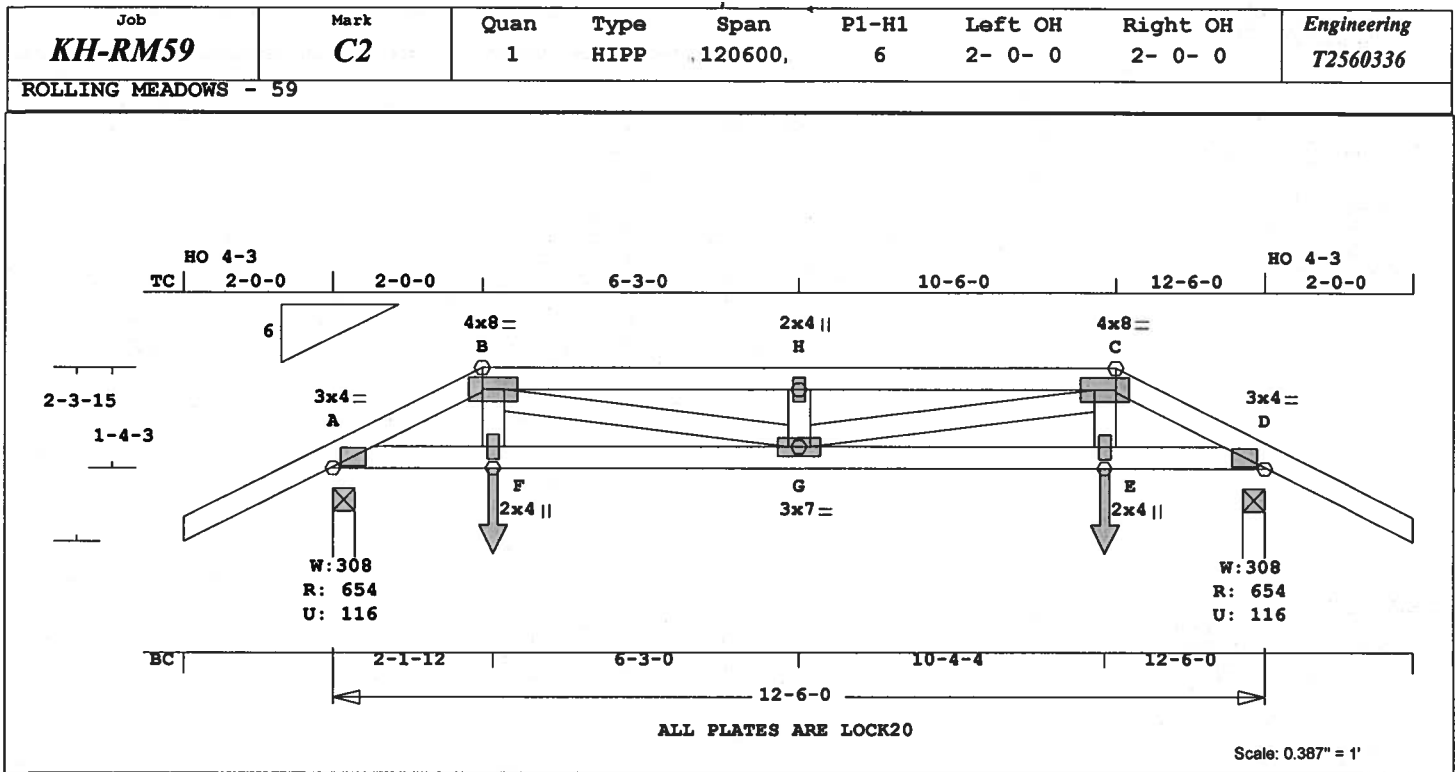
Max comp. force 10302 Lbs

Max tens. force 7732 Lbs

Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 76.1 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

TC	0.20	2x 4	SP-#2
BC	0.22	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	12- 6- 0
BC	Cont.	0- 0- 0	12- 6- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	655	117 U	16 R
D	655	117 U	16 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	1.5"

LC# 1 Girder Loading

Dur Fctrs	Lbr	Plt	1.25
plf - Dead	Live*	From	To
TC V	20	40	0.0' 12.5'
BC V	20	0	0.0' 12.5'
BC V	13	13	2.1' CL-LB
BC V	13	13	10.4' CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.10	904 C	0.07	0.03
B -H	0.20	1473 C	0.11	0.09
H -C	0.20	1473 C	0.11	0.09
C -D	0.10	904 C	0.07	0.03

-----Bottom Chords-----					
A -F	0.17	798 T	0.14	0.03	
F -G	0.22	790 T	0.14	0.08	
G -E	0.22	790 T	0.14	0.08	
E -D	0.17	798 T	0.14	0.03	

-----Webs-----					
F -B	0.02	148 T			
B -G	0.12	697 T			
G -H	0.02	218 C			
G -C	0.12	697 T			
E -C	0.02	148 T			

TL Defl -0.09" in F -G L/999
LL Defl -0.05" in F -G L/999
Shear // Grain in B -H 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - LOCK 20 Ga, Gross Area			
Plate - RHS 20 Ga, Gross Area			
Jt	Type	Plt Size	X Y JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.64
B	LOCK	4.0x 8.0	Ctr Ctr 0.72
H	LOCK	2.0x 4.0	Ctr Ctr 0.38
C	LOCK	4.0x 8.0	Ctr Ctr 0.72
D	LOCK	3.0x 4.0	Ctr Ctr 0.64
F	LOCK	2.0x 4.0	Ctr Ctr 0.38
G	LOCK	3.0x 7.0	Ctr Ctr 0.58
E	LOCK	2.0x 4.0	Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip

Framing King Jacks
Jack Open Faced
Setback 2- 0- 0

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.

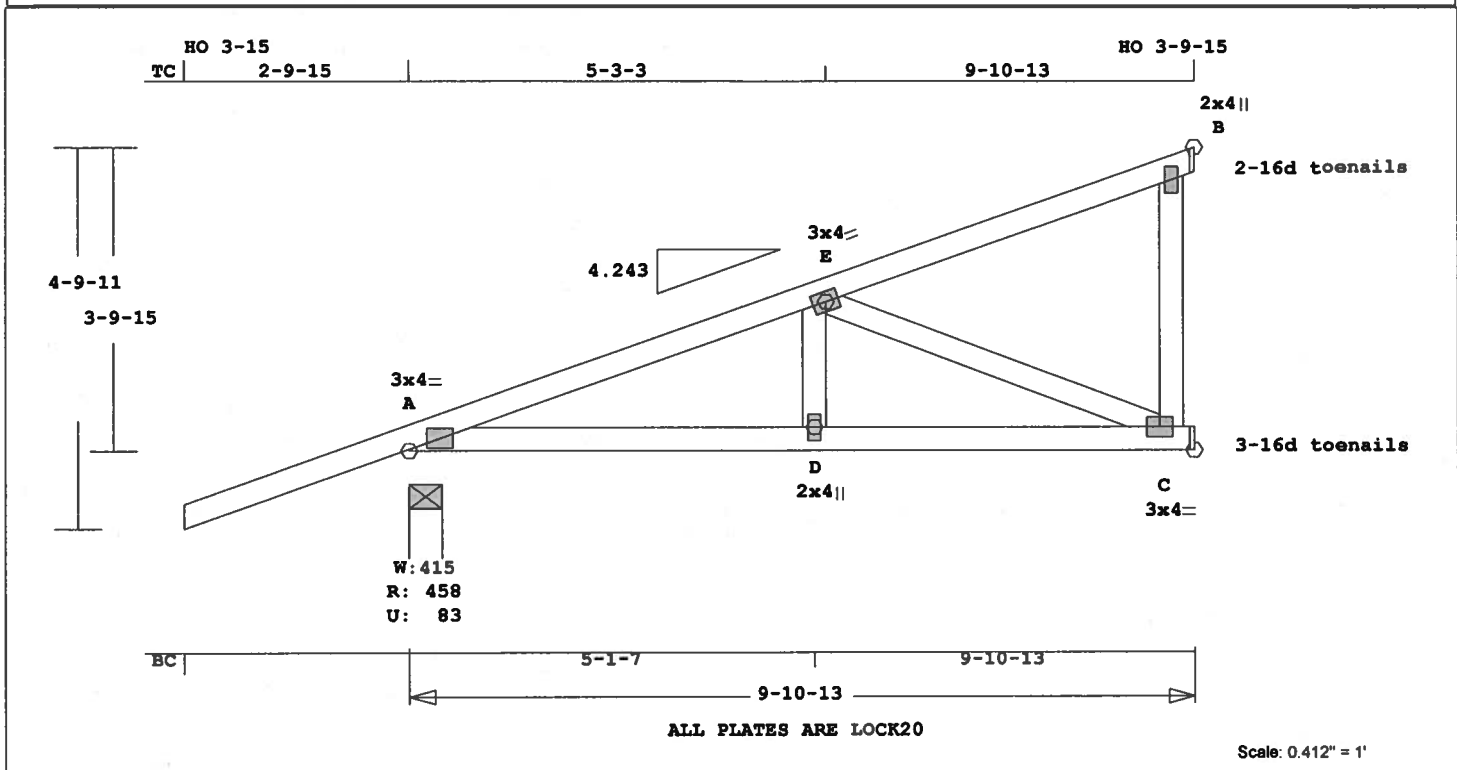
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1473 Lbs
Max tens. force 798 Lbs
Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31,2007

Job KH-RM59	Mark CJI	Quan 3	Type MONO.DD	Span 91013	P1-H1 4.243	Left OH 2- 9-15	Right OH 0	Engineering T2560337
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ROLLING MEADOWS - 59



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 61.9 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber-----
TC 0.38 2x 4 SP-#2
BC 0.27 2x 4 SP-#2
WB 0.19 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 9-10-13
BC Cont. 0- 0- 0 9-10-13

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 458 83 U 91 R
C 348 8 U
B 240 84 U 127 R

Jt Brg Size Required
A 4.9" 1.5"
C 1.5" 1.5"
B 1.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 9.9'
BC V 20 0 0.0' 9.9'
TC V -20 -40 0.0' 9.9'
BC V -20 0 0.0' 9.9'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----

A -E 0.31 632 C 0.03 0.28
E -B 0.38 77 T 0.00 0.38
-----Bottom Chords-----
A -D 0.23 612 T 0.07 0.16
D -C 0.27 612 T 0.07 0.20
-----Webs-----
D -E 0.03 234 T
E -C 0.19 661 C
C -B 0.05 0 T WindLd

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.64
E LOCK 3.0x 4.0 Ctr Ctr 0.43
B LOCK 2.0x 4.0 Ctr Ctr 0.38
D LOCK 2.0x 4.0 Ctr Ctr 0.38
C LOCK 3.0x 4.0 Ctr Ctr 0.54

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

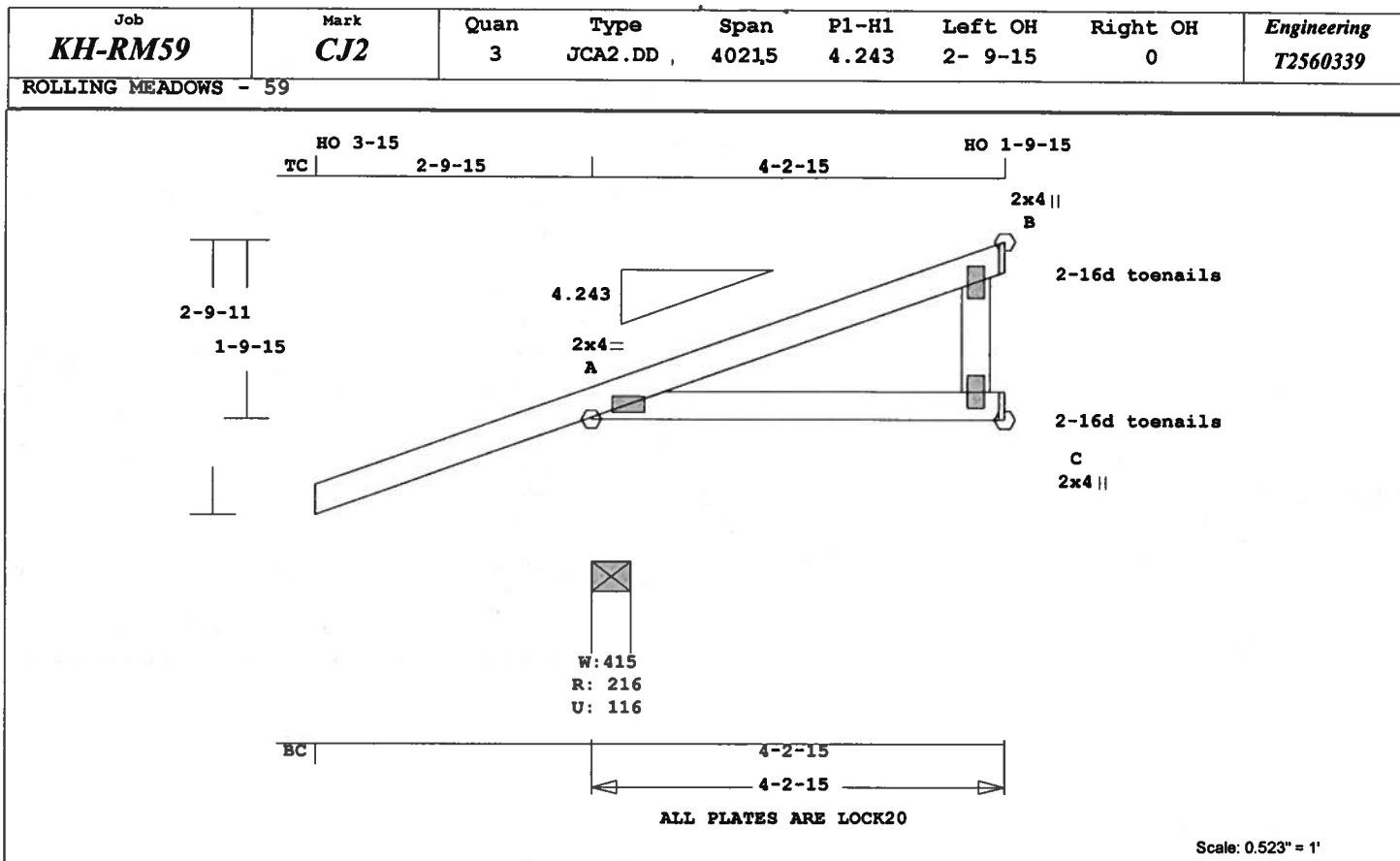
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction
NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack

Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 661 Lbs
Max tens. force 612 Lbs
Quality Control Factor 1.25

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FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.6 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

	CSI	-Size-	-----Lumber-----
TC	0.18	2x 4	SP-#2
BC	0.23	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 2-15
BC	Cont.	0- 0- 0	4- 2-15

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	217	117 U	50 R
C	36	30 U	30 R
B	53	21 U	

Jt	Brg Size	Required
A	4.9"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

LC# 1 Girder Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	4.2'
BC V	20	0	0.0'	4.2'
TC V	-20	-40	0.0'	
	-6	-12		4.2'
BC V	-20	0	0.0'	
	-6	0		4.2'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSt-Bnd

-----Top Chords-----
A -B 0.18 29 C 0.00 0.18
-----Bottom Chords-----
A -C 0.23 41 T 0.00 0.23
-----Webs-----
C -B 0.00 0 T WindLd

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.72
B LOCK 2.0x 4.0 Ctr Ctr 0.38
C LOCK 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Girder King Jack
Loading TC and BC
Setback 3- 0- 0
OH Loading
Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Use properly rated hangers for
loads framing into girder
truss.

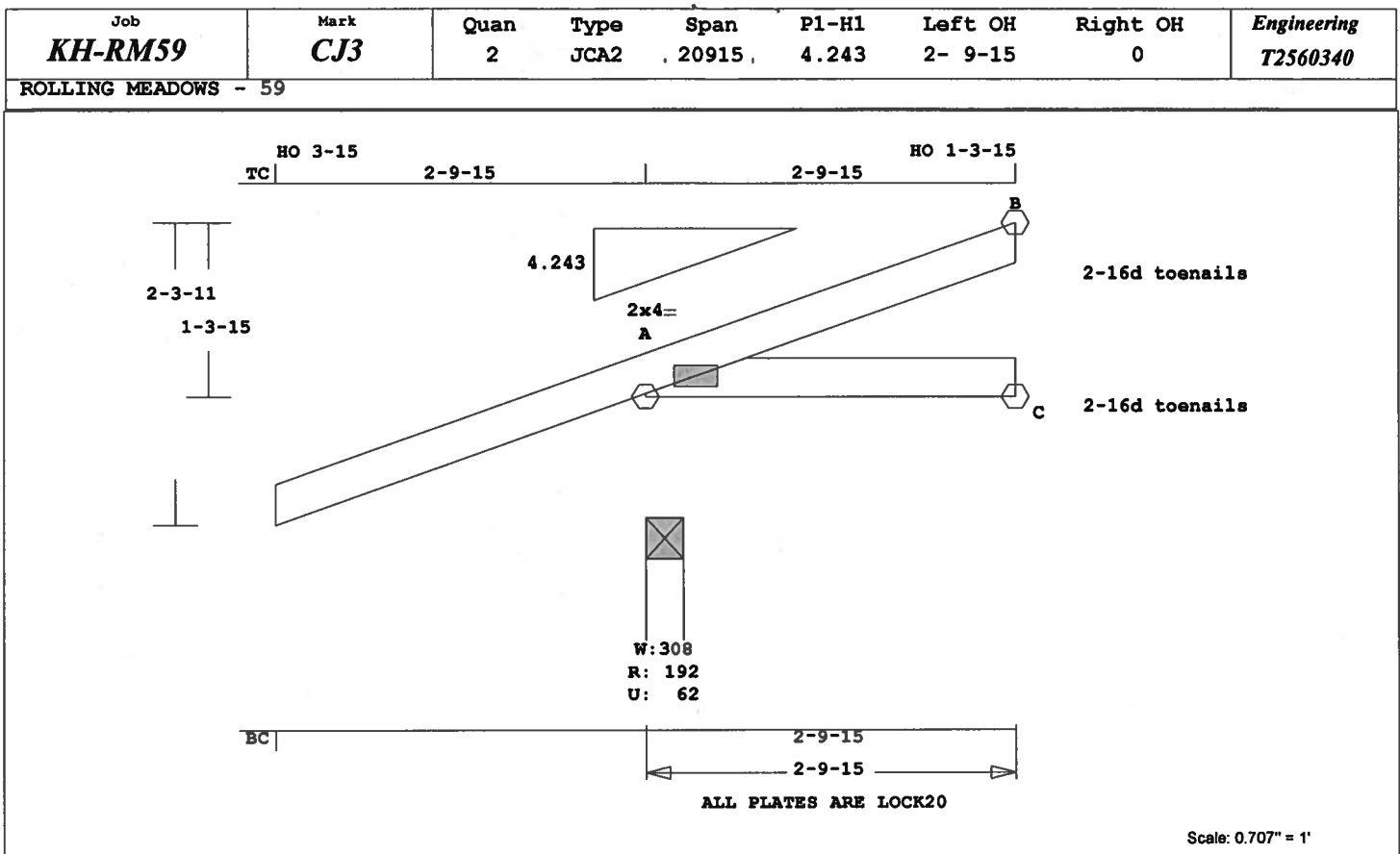
Wind Loads - ANSI / ASCE 7-02
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 4- 2-15
Max comp. force 30 Lbs
Max tens. force 41 Lbs
Quality Control Factor 1.25

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Robbins Engineering
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Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.9 LBS

Online Plus -- Version 21.0.032 Plus 1 UBC LL Load Case(s)
RUN DATE: 31-MAY-07

	CSI	-Size-	-----Lumber-----
TC	0.01	2x 4	SP-#2
BC	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2- 9-15
BC	Cont.	0- 0- 0	2- 9-15

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00 Fc=1.00 Ft=1.00		
BC Fb=1.00 Fc=1.00 Ft=1.00		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	192	63 U	20 R
C	13		
B	21	8 U	4 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

LC# 1 Girder Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	2.8'
BC V	20	0	0.0'	2.8'
TC V	-20	-40	0.0'	
	-13	-26		2.8'
BC V	-20	0	0.0'	
	-13	0		2.8'

Plus 8 Wind Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.01	13	C	0.00	0.01
-----Bottom Chords-----					
A -C	0.01	0	T	0.00	0.01

TL Defl	0.00"	in A -C	L/999
LL Defl	0.00"	in A -C	L/999
Shear // Grain	in A -B	0.02	

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.72

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Girder King Jack
Loading TC and BC

Setback 2- 0- 0

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Use properly rated hangers for
loads framing into girder
truss.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

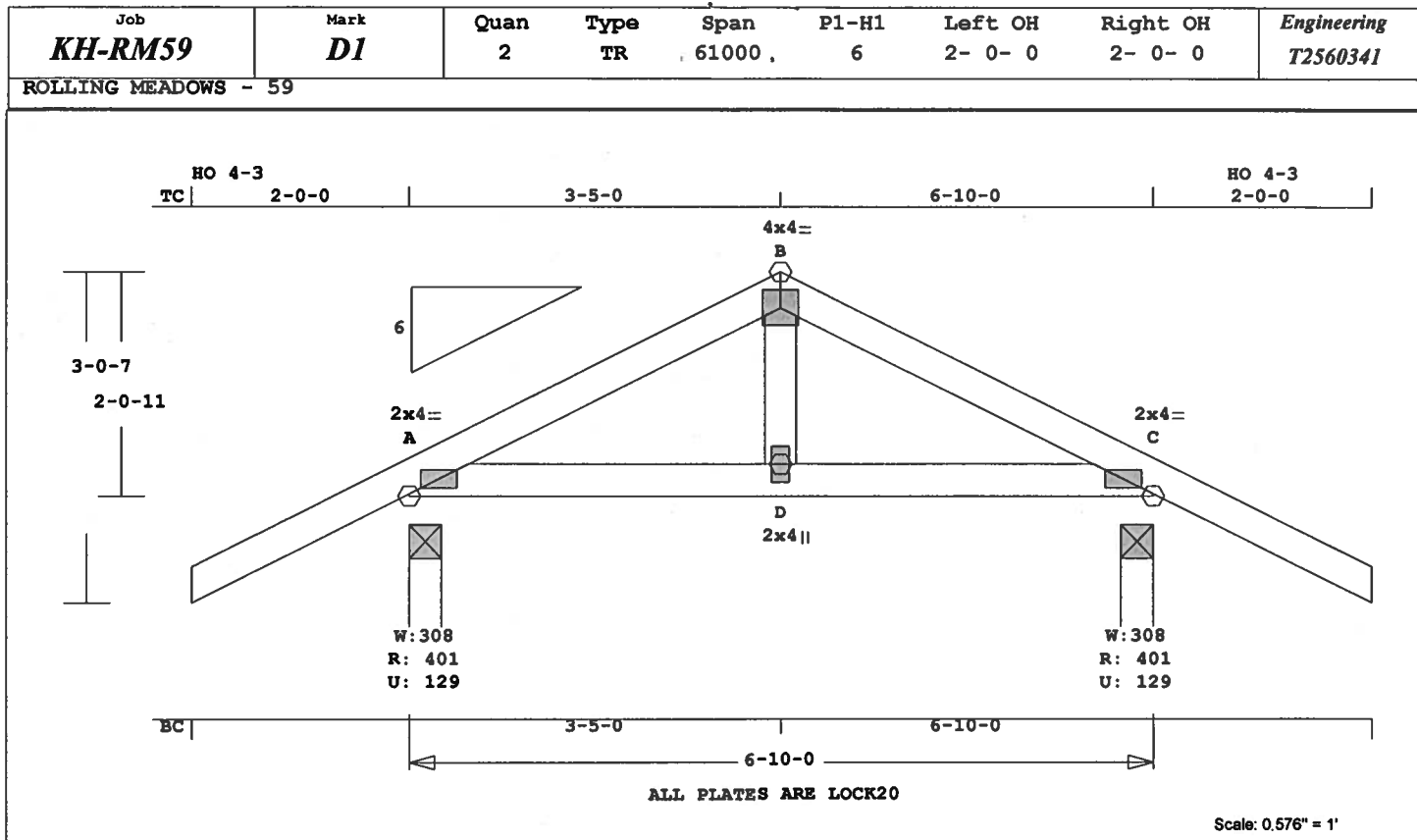
Max comp. force 13 Lbs

Max tens. force 2 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
Robbins Engineering
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Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 39.1 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI	-Size-	---	Lumber----
TC	0.21	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	6-10- 0
BC	Cont.	0- 0- 0	6-10- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=	1.15	Fc=1.10 Ft=1.10
BC Fb=	1.10	Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	401	129 U	27 R
C	401	129 U	27 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -B	0.20	685 T	0.08 0.12
B -C	0.21	690 T	0.09 0.12
-----Bottom Chords-----			
A -D	0.13	526 C	0.00 0.13

D -C	0.13	526 C	0.00 0.13
-----Webs-----			
D -B	0.02	317 C	

TL Defl	-0.01"	in D -C	L/999
LL Defl	0.00"	in D -C	L/999
Shear // Grain		in A -B	0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK	20 Ga,	Gross Area
Plate - RHS	20 Ga,	Gross Area
Jt Type	Plt Size	X Y JSI
A	LOCK	2.0x 4.0 Ctr Ctr 0.69
B	LOCK	4.0x 4.0 Ctr Ctr 0.46
C	LOCK	2.0x 4.0 Ctr Ctr 0.69
D	LOCK	2.0x 4.0 Ctr Ctr 0.38

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Tampa, FL 33610

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions	--From--	---To---
	0- 0- 0	6-10- 0

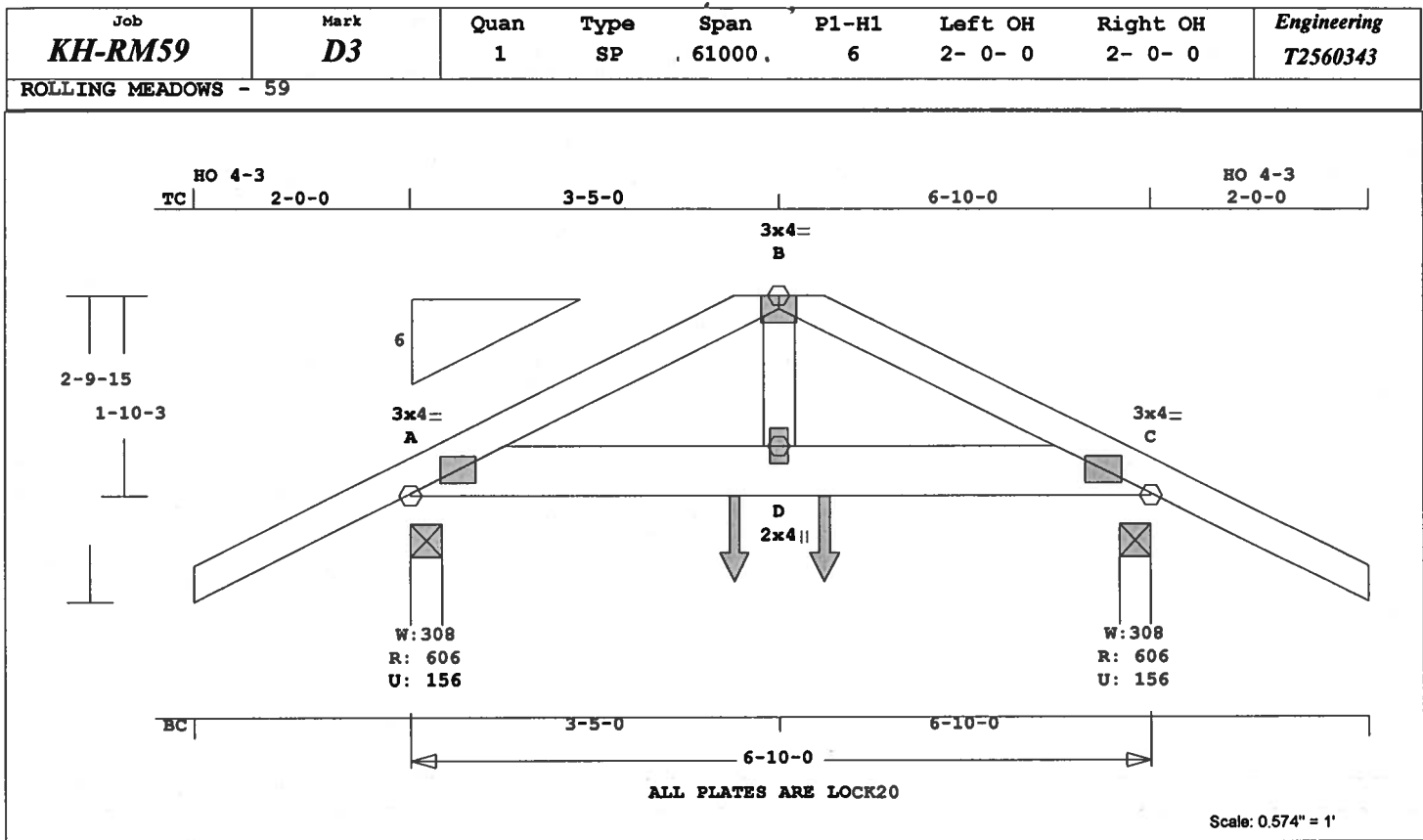
Max comp. force 526 Lbs

Max tens. force 690 Lbs

Quality Control Factor 1.25

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FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 44.8 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
TC 0.27 2x 4 SP-#2
BC 0.14 2x 6 SP-#2
WB 0.08 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	6-10- 0
BC Cont.	0- 0- 0	6-10- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	606	156 U	26 R
C	606	156 U	26 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

LC# 1 Standard Loading

Dur Fctrs - Lbr 1.25	Plt 1.25
plf - Dead	Live* From To
TC V 20	40 0.0' 6.8'
BC V 20	0 0.0' 6.8'
BC V 103	103 3.0' CL-LB
BC V 103	103 3.8' CL-LB

LC# 2 NonStandard Loading

Dur Fctrs - Lbr 1.25	Plt 1.25
plf - Dead	Live* From To
TC V 20	40 0.0' 6.8'
BC V 20	0 0.0' 6.8'

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.27	1115 T	0.16	0.11
B -C	0.27	1119 T	0.16	0.11
-----Bottom Chords-----				
A -D	0.14	905 C	0.08	0.06
D -C	0.14	905 C	0.08	0.06
-----Webs-----				
D -B	0.08	721 C		

TL Defl -0.01" in A -D L/999
LL Defl -0.01" in A -D L/999
Shear // Grain in A -D 0.23

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 4.0 Ctr Ctr 0.73

B LOCK 3.0x 4.0 Ctr-0.1 0.57

C LOCK 3.0x 4.0 Ctr Ctr 0.73

D LOCK 2.0x 4.0 Ctr Ctr 0.54

REVIEWED BY:

Robbins Engineering, Inc.

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Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- --To--

0- 0- 0 6-10- 0

Max comp. force 905 Lbs

Max tens. force 1119 Lbs

Quality Control Factor 1.25

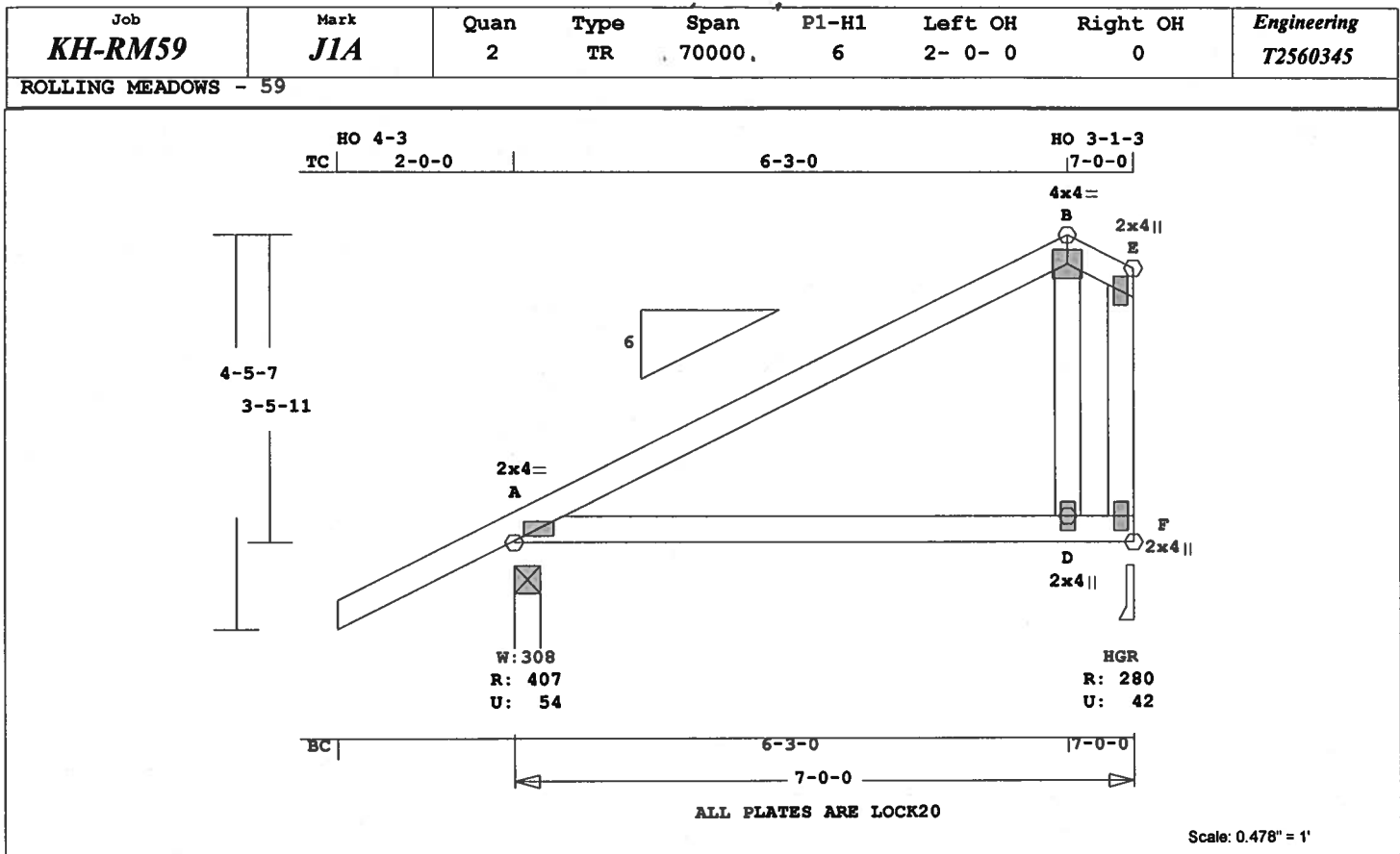
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FL Cert.#5555

May 31,2007

ROLLING MEADOWS - 59



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Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 43.1 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----

TC	0.34	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	408	55 U	71 R
F	280	42 U	103 R

Jt	Brg Size	Required
A	3.5"	1.5"
F	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.34	130 C	0.01	0.33
B -E	0.15	172 T	0.02	0.13
-----Bottom Chords-----				

A -D	0.25	119 T	0.00	0.25
D -F	0.15	72 T	0.00	0.15
-----Webs-----				
D -B	0.22	133 T	0.00	0.22
F -E	0.17	146 T	0.02	0.15

TL Defl -0.07" in A -D L/999
LL Defl -0.03" in A -D L/999
Shear // Grain in A -B 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.69
B LOCK 4.0x 4.0 Ctr Ctr 0.46
E LOCK 2.0x 4.0 Ctr Ctr 0.38
D LOCK 2.0x 4.0 Ctr Ctr 0.38
F LOCK 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

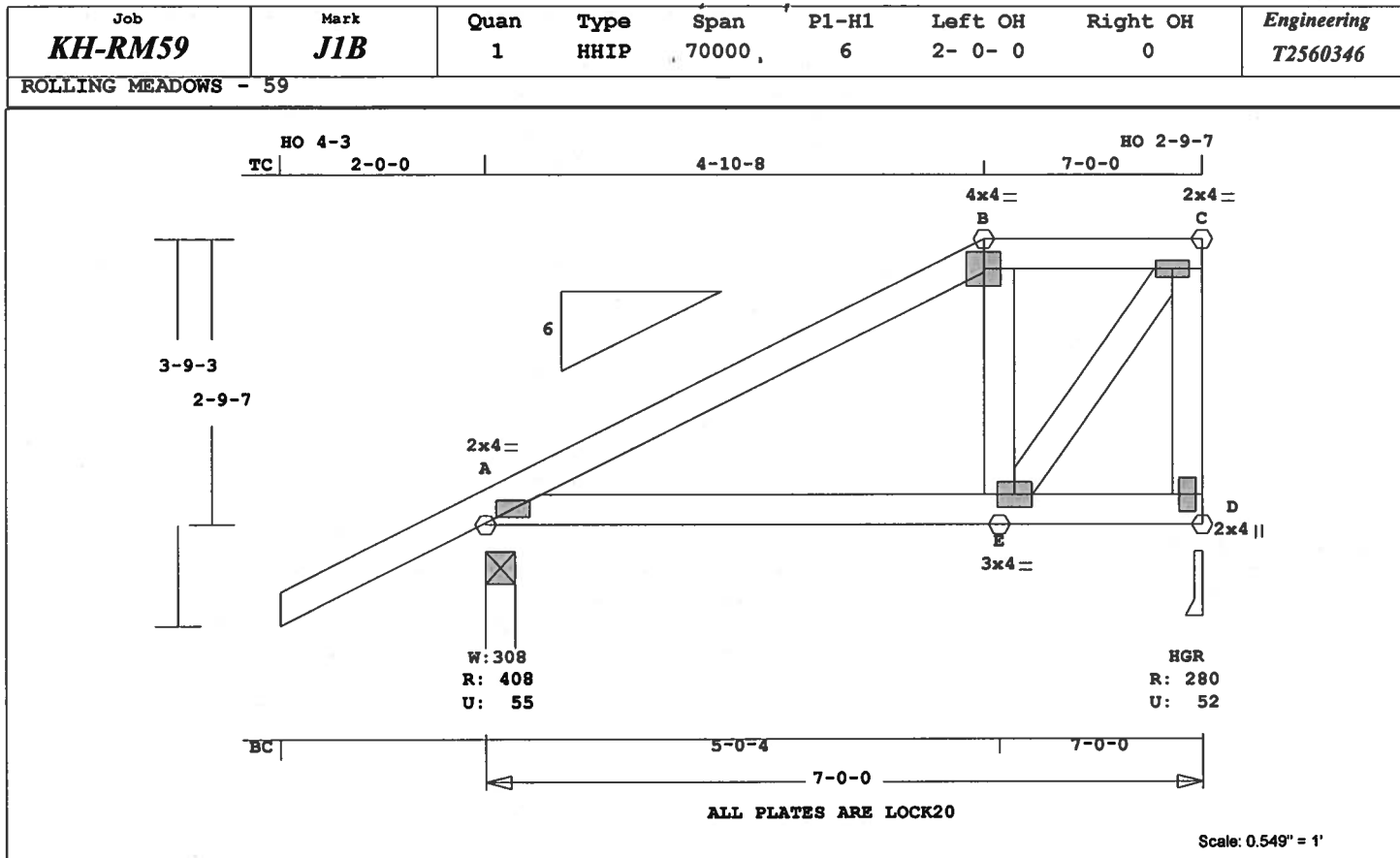
NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading

Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 143 Lbs
Max tens. force 172 Lbs
Quality Control Factor 1.25

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Tampa, FL, 33610
FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 45.4 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI	-Size-	-----Lumber-----
TC	0.28	2x 4 SP-#2
BC	0.16	2x 4 SP-#2
WB	0.05	2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	408	55 U	87 R
D	280	52 U	87 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A -B	0.28	211 C	0.02	0.26
B -C	0.14	272 T	0.03	0.11
-----Bottom Chords-----				

A -E	0.16	188 T	0.00	0.16
E -D	0.11	69 T	0.00	0.11
-----Webs-----				
E -B	0.03	260 T		
E -C	0.05	357 C		
D -C	0.04	328 T	WindLd	

TL Defl -0.03" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -B 0.21

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	- LOCK	20 Ga,	Gross Area
Plate - RHS	20 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Jt	Type	Plt Size	X Y JSI
A	LOCK	2.0x 4.0	Ctr Ctr 0.69
B	LOCK	4.0x 4.0	Ctr Ctr 0.62
C	LOCK	2.0x 4.0	Ctr Ctr 0.75
E	LOCK	3.0x 4.0	Ctr Ctr 0.38
D	LOCK	2.0x 4.0	Ctr Ctr 0.38

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6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

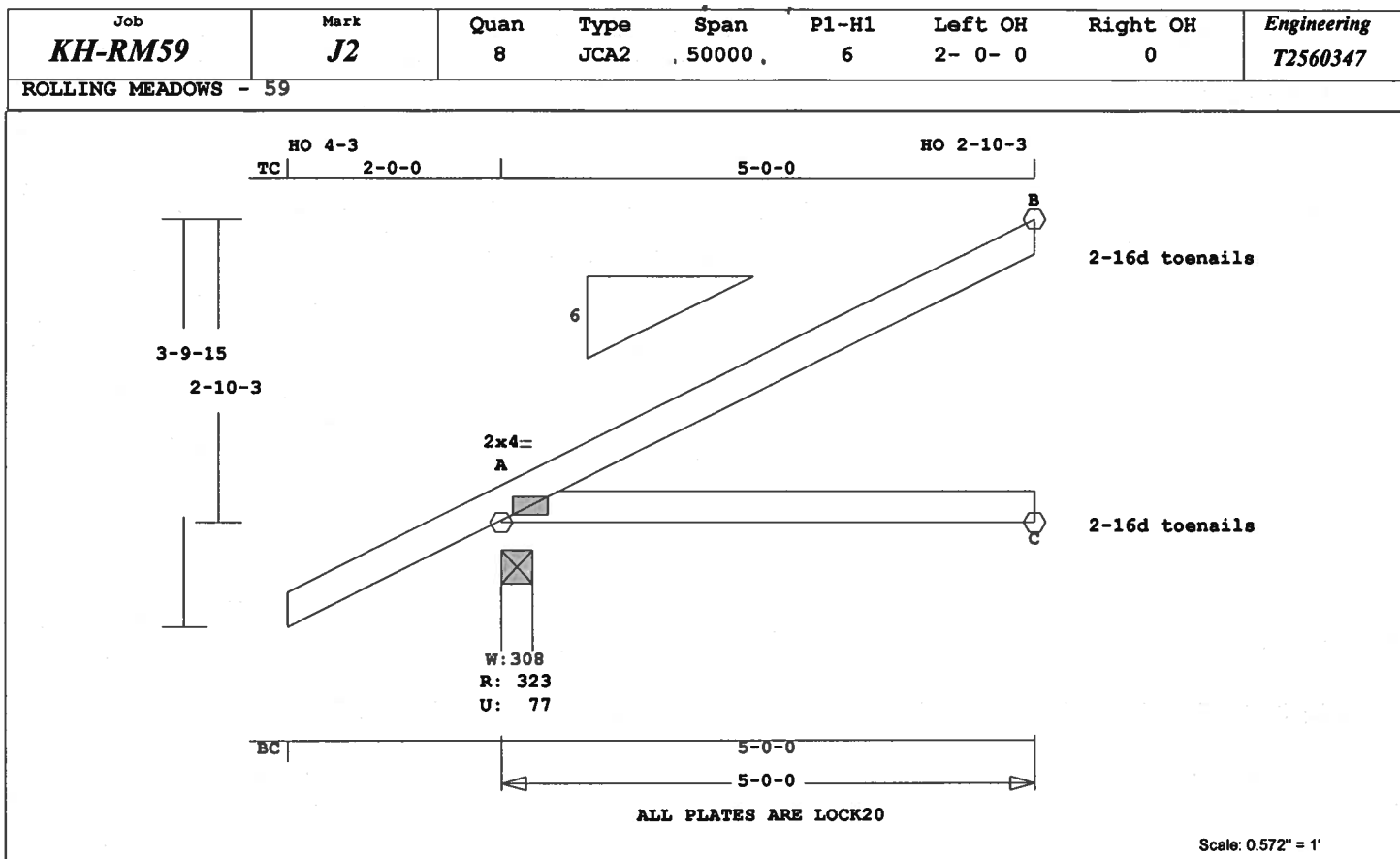
Max comp. force 357 Lbs

Max tens. force 328 Lbs

Quality Control Factor 1.25

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FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.5 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
TC 0.41 2x 4 SP-#2
BC 0.40 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5- 0- 0	
BC Cont.	0- 0- 0	5- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
A	324	77 U	238 R
C	94	33 U	
B	142	68 U	51 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -B	0.41	152 C	0.00	0.41
-----Bottom Chords-----				

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.65

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 5- 0- 0

Max comp. force 152 Lbs

Max tens. force 31 Lbs

Quality Control Factor 1.25

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May 31, 2007

HO 4-3

TC | 2-0-0 | 3-0-0 | HO 1-10-3

2-9-15

1-10-3

6

2x4 =
A

2-16d toenails

2-16d toenails

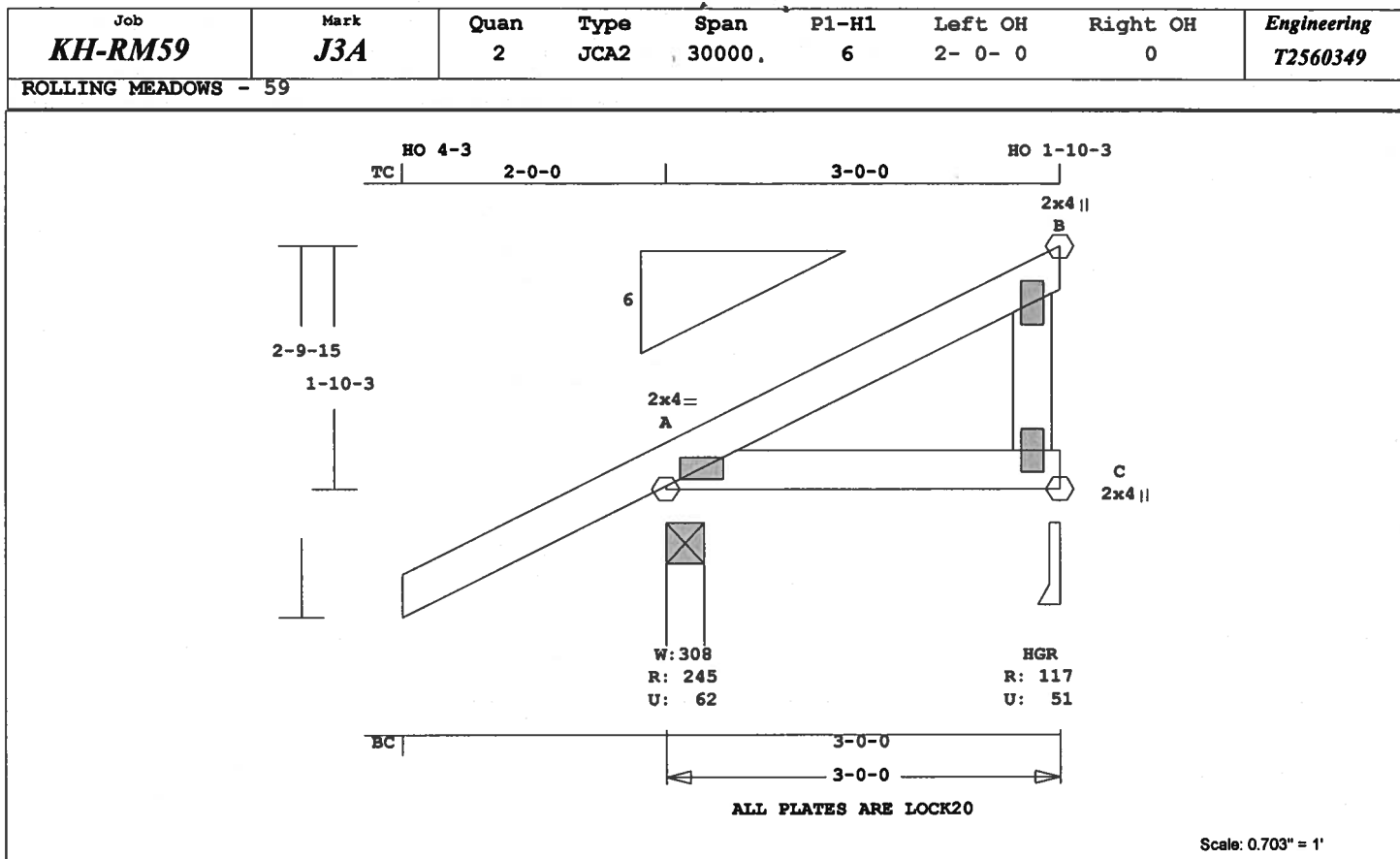
W: 308
R: 243
U: 53

BC | 3-0-0 | 3-0-0

ALL PLATES ARE LOCK20

Scale: 0.731" = 1'

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Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 18.8 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

CSI	Size	Lumber
TC	0.14	2x 4 SP-#2
BC	0.14	2x 4 SP-#2
WB	0.02	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	3- 0- 0
BC Cont.	0- 0- 0	3- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	246	62 U	92 R
C	118	52 U	49 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.14	52 C	0.00	0.14
-----Bottom Chords-----				
A -C	0.14	41 T	0.00	0.14

-----Webs-----
C -B 0.02 170 T WindLd

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.65
B LOCK 2.0x 4.0 Ctr Ctr 0.38
C LOCK 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC
regions --From-- ---To---

0- 0- 0 3- 0- 0

Max comp. force 79 lbs

Max tens. force 170 lbs

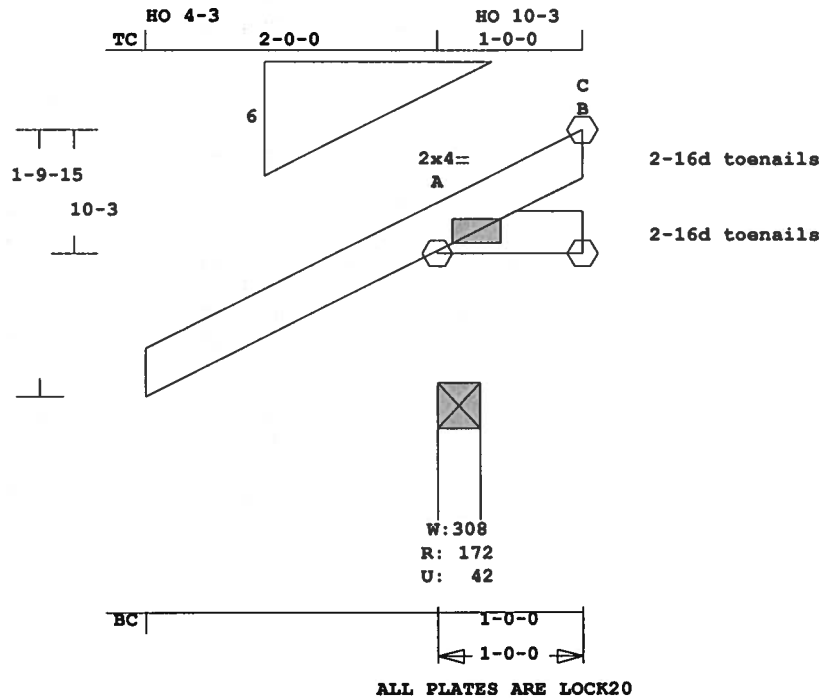
Quality Control Factor 1.25

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FL Cert.#5555

May 31,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-RM59	J4	18	JCA2	10000	6	2- 0- 0	0	T2560350

ROLLING MEADOWS - 59



Scale: 0.75" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.5 LBS

Online Plus -- Version 21.0.032 A -C 0.01 8 T 0.00 0.01
RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
TC 0.01 2x 4 SP-#2
BC 0.01 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	1- 0- 0	0
BC Cont.	0- 0- 0	1- 0- 0	0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	172	43 U	53 R
B	20	10 U	
C	14	6 U	9 R

Jt	Brg Size	Required
A	3.5"	1.5"
B	1.5"	1.5"
C	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -B	0.01	23 C	0.00 0.01
-----Bottom Chords-----			

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.04

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.65

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

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

Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 1- 0- 0

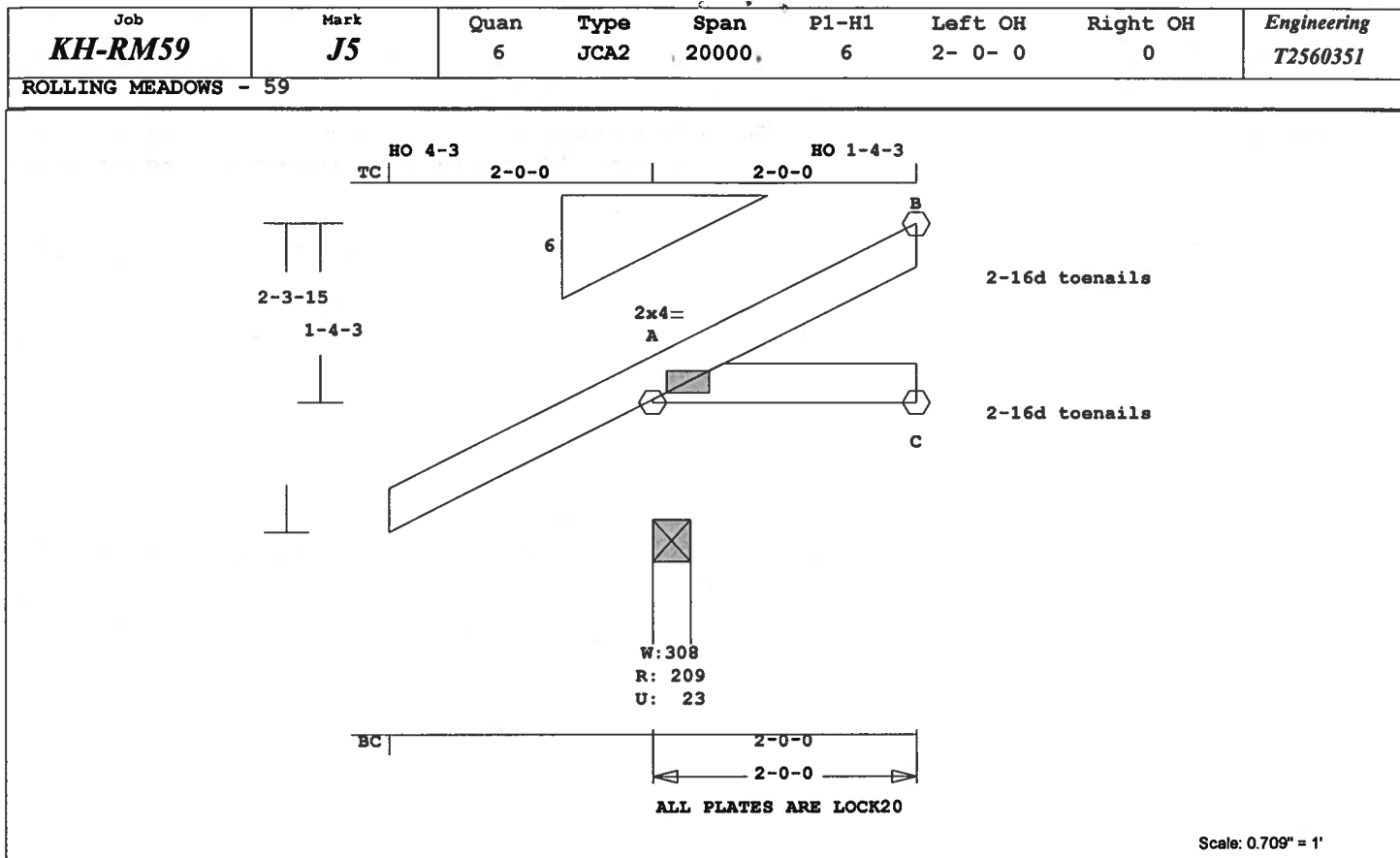
Max comp. force 23 Lbs

Max tens. force 8 Lbs

Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
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6904 Parke East Blvd
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FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 12.5 LBS

Online Plus -- Version 21.0.032 A -C 0.04 19 T 0.00 0.04
 RUN DATE: 31-MAY-07

CSI -Size- ----Lumber----
 TC 0.04 2x 4 SP-#2
 BC 0.04 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	2- 0- 0	
BC Cont.	0- 0- 0	2- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10

BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	210	23 U	109 R
B	54	24 U	
C	33		20 R

Jt	Brg Size	Required
A	3.5"	1.5"
B	1.5"	1.5"
C	1.5"	1.5"

Plus 8 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.04	54 C	0.00	0.04
-----Bottom Chords-----				

TL Defl 0.00" in A -C L/999
 LL Defl 0.00" in A -C L/999
 Shear // Grain in A -B 0.08

Plates for each ply each face.
 PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.65

REVIEWED BY:

Robbins Engineering, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

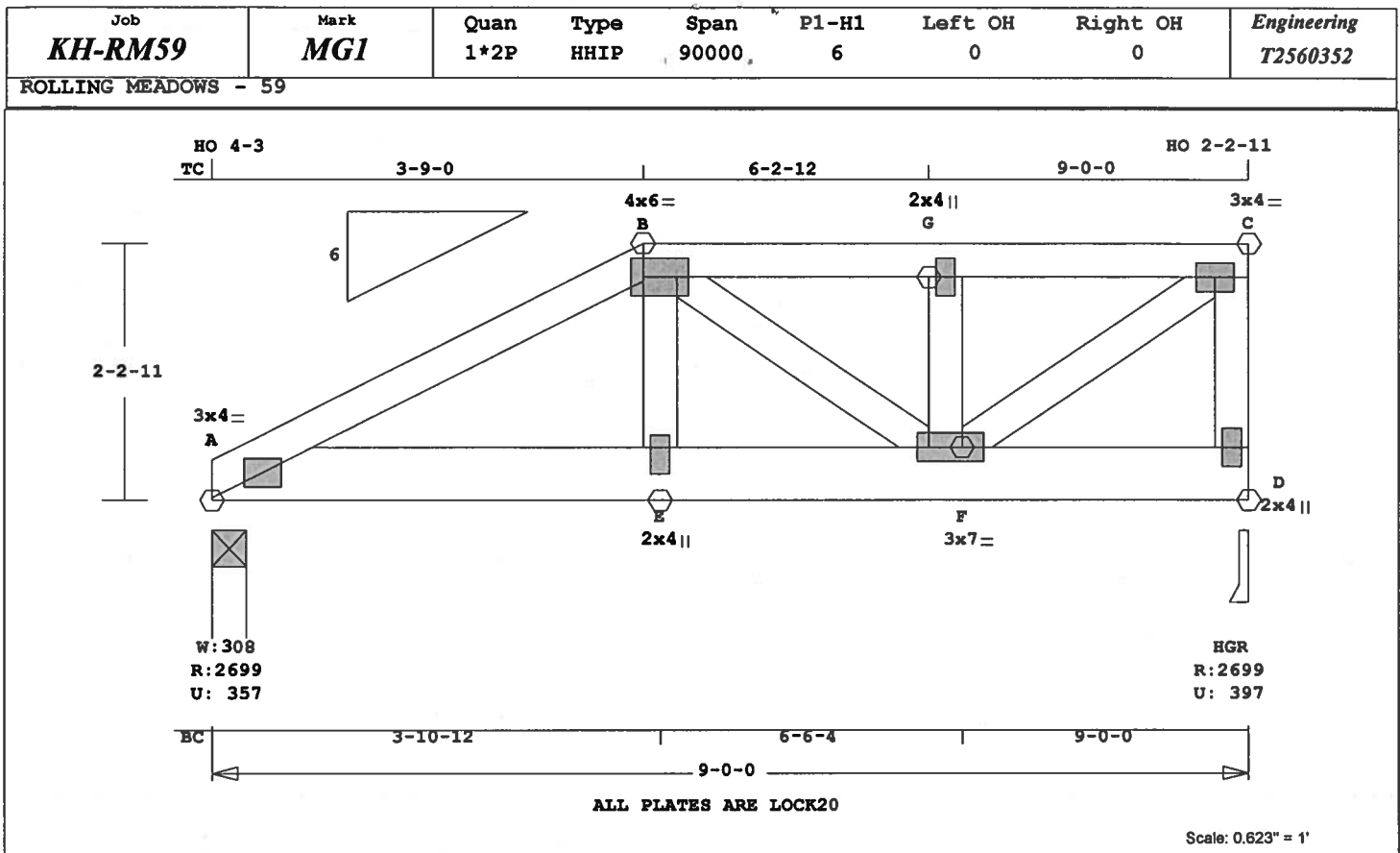
Max comp. force 54 lbs

Max tens. force 19 lbs

Quality Control Factor 1.25

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 FL Cert.#5555

May 31,2007



Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

 * 2-Ply Truss *

CSI	Size	Lumber
TC	0.32 2x 4	SP-#2
BC	0.53 2x 6	SP-#2
WB	0.30 2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 0- 0
BC Cont.	0- 0- 0	9- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00 Fc=1.00 Ft=1.00		
BC Fb=1.00 Fc=1.00 Ft=1.00		

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz
A	2700	357 U	120 R
D	2700	397 U	81 R

Jt	Brg Size	Required
A	3.5"	1.6"
D	3.5"	1.6"

LC# 1 Girder Loading

Dur Fctr	Lbr	Plt	1.25
plf - Dead	Live*	From	To
TC V	20	40	0.0' 9.0'
BC V	280	260	0.0' 9.0'

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.32	3503 C	0.19	0.13
B -G	0.20	2618 C	0.14	0.06
G -C	0.17	2618 C	0.14	0.03
-----Bottom Chords-----				
A -E	0.53	3198 T	0.21	0.32

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 61.9 LBS

E -F	0.32	3094 T	0.20	0.12
F -D	0.16	67 T	0.00	0.16

-----Webs-----

E -B	0.15	1666 T
B -F	0.03 <th>583 C</th>	583 C
F -G	0.01 <th>226 C</th>	226 C
F -C	0.30 <th>3266 T</th>	3266 T
D -C	0.11 <th>2023 C</th>	2023 C

WindLd

TL Defl	-0.05"	in A -E	L/999
LL Defl	-0.02"	in A -E	L/999
Shear //	Grain	in A -E	0.40

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 3.0x 4.0 Ctr Ctr 0.79
 B LOCK 4.0x 6.0 Ctr Ctr 0.65
 G LOCK 2.0x 4.0 Ctr Ctr 0.38
 C LOCK 3.0x 4.0 Ctr Ctr 0.98
 E LOCK 2.0x 4.0 Ctr-0.8 0.89
 F LOCK 3.0x 7.0 0.5 Ctr 0.87
 D LOCK 2.0x 4.0 Ctr Ctr 0.85

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

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

Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004

Girder	Common
Loading	BC
Span	28- 0- 0

2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)

-----Spacing (In)-----

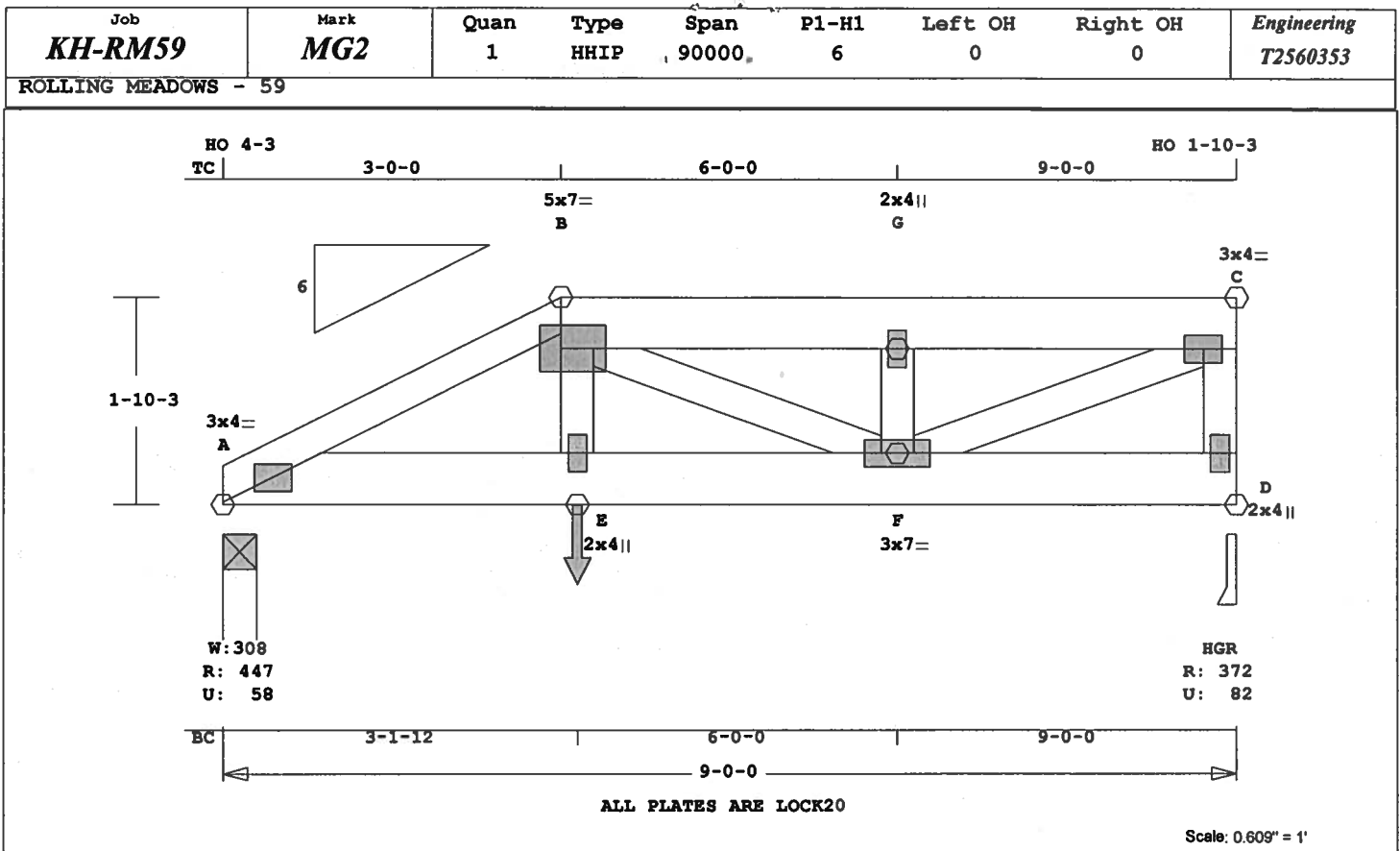
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

Design checked for 10 psf non-
 concurrent LL on BC.
 Use properly rated hangers for
 loads framing into girder
 truss.

Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15'-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 3503 Lbs
 Max tens. force 3266 Lbs
 Quality Control Factor 1.25

Michael S. Magid, FL Lic. #53681
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 64.7 LBS

Online Plus -- Version 21.0.032
RUN DATE: 31-MAY-07

	CSI	-Size-	-----Lumber-----
TC	0.15	2x 4	SP-#2
--	0.10	2x 6	SP-#2
B -C			
BC	0.14	2x 6	SP-#2
WB	0.13	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9- 0- 0
BC	Cont.	0- 0- 0	9- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00 Fc=1.00 Ft=1.00		
BC Fb=1.00 Fc=1.00 Ft=1.00		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	447	58 U	73 R
D	372	82 U	46 R

Jt	Brg	Size	Required
A		3.5"	1.5"
D		3.5"	1.5"

LC# 1 Girder Loading

Dur	Fctrs	- Lbr	1.25	Plt	1.25
plf	- Dead	Live*	From	To	
TC V	20	40	0.0'	9.0'	
BC V	20	0	0.0'	9.0'	
TC V	5	10	3.0'	8.0'	
TC V	-20	-40	8.0'	9.0'	
BC V	5	0	3.1'	8.0'	
BC V	-20	0	8.0'	9.0'	
BC V	40	40	3.1'	CL-LB	

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.15	680 C	0.08	0.07
B -G	0.10	655 C	0.05	0.05
G -C	0.09	655 C	0.05	0.04
-----Bottom Chords-----				
A -E	0.14	620 T	0.08	0.06
E -F	0.14	610 T	0.08	0.06
F -D	0.02	35 T	0.00	0.02
-----Webs-----				
E -B	0.02	141 T		
B -F	0.00	48 T		
F -G	0.03	254 T		
F -C	0.13	728 T		
D -C	0.03	357 C	WindLd	

TL Defl -0.02" in E -F L/999
LL Defl -0.01" in E -F L/999
Shear // Grain in A -B 0.12

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate	RHS	20 Ga,	Gross Area
Jt	Type	Plt Size	X Y JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.73
B	LOCK	5.0x 7.0	0.5 Ctr 0.73
G	LOCK	2.0x 4.0	Ctr Ctr 0.38
C	LOCK	3.0x 4.0	Ctr Ctr 0.67
E	LOCK	2.0x 4.0	Ctr Ctr 0.38
F	LOCK	3.0x 7.0	Ctr Ctr 0.47
D	LOCK	2.0x 4.0	Ctr Ctr 0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

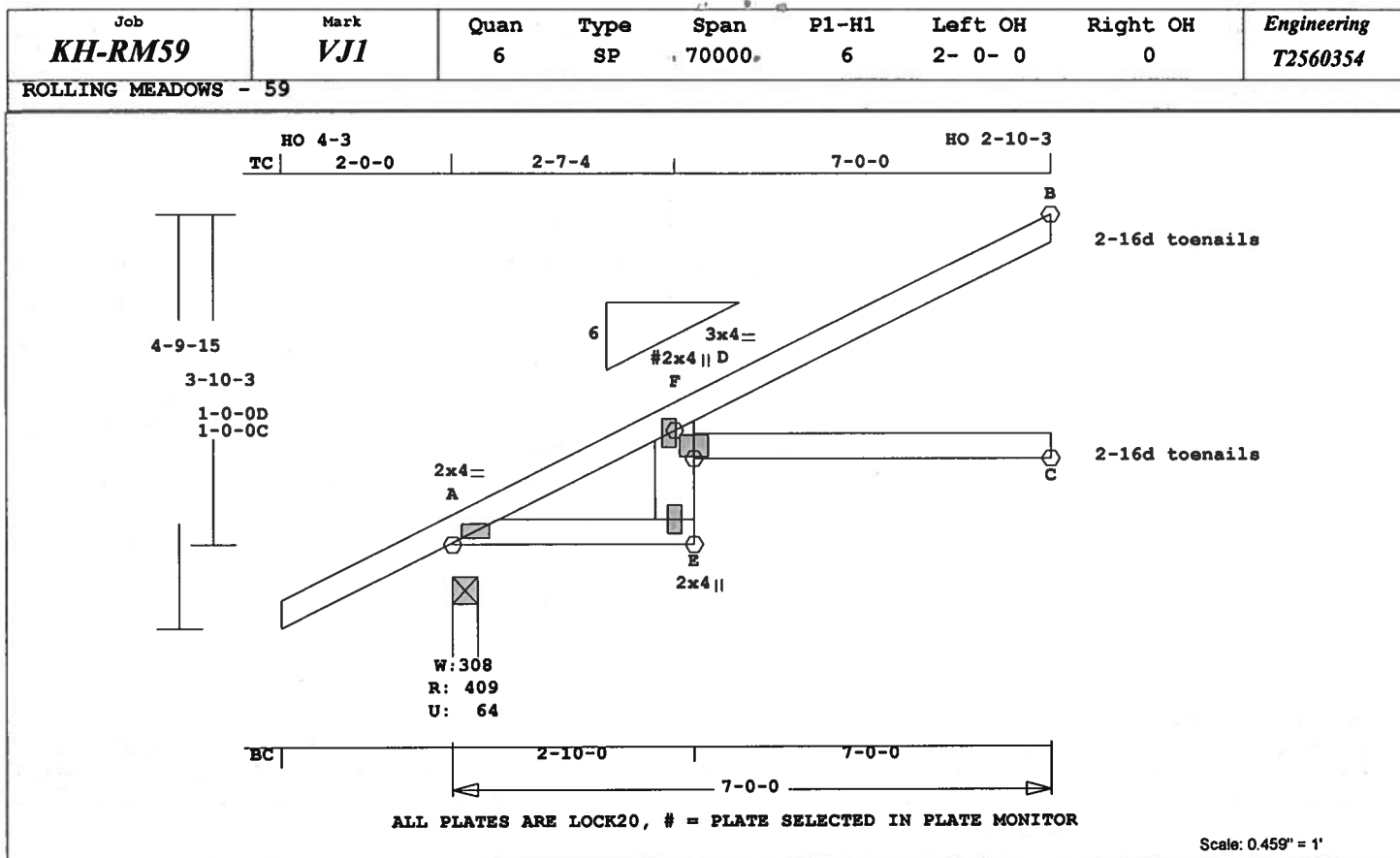
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 3- 0- 0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 680 Lbs
Max tens. force 728 Lbs
Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 31, 2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 35.8 LBS
 Online Plus -- Version 21.0.032
 RUN DATE: 31-MAY-07

	CSI	-Size-	-----Lumber-----
TC	0.39	2x 4	SP-#2
BC	0.56	2x 4	SP-#2
CW	0.16	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	410	65 U	282 R
C	128	2 U	
B	164	65 U	72 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -F	0.22	297 C	0.00	0.22
F -B	0.39	134 C	0.00	0.39
-----Bottom Chords-----				
A -E	0.09	278 C	0.03	0.06
E -D	0.11	27 T	0.00	0.11

	D -C	0.56	0 T	0.00	0.56
-----Chord-Webs-----					
E -D	0.16	43 T	0.00	0.16	
D -F	0.08	115 T	0.00	0.08	
TL Defl	-0.20"	in F -C	L/388		
LL Defl	-0.10"	in F -C	L/809		
Shear // Grain	in F -B	0.23			

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORTS: SBCCI 9761
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 2.0x 4.0 Ctr Ctr 0.69
 F# LOCK 2.0x 4.0-0.8-0.3 0.13
 E LOCK 2.0x 4.0 Ctr Ctr 0.91
 D LOCK 3.0x 4.0 Ctr Ctr 0.91

= Plate Monitor used

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

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

For proper installation of
 toe-nails, refer to the 2001
 National Design Specification
 (NDS) for Wood Construction
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading

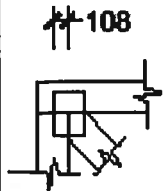
Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 297 Lbs
 Max tens. force 238 Lbs
 Quality Control Factor 1.25

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 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

May 31, 2007

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

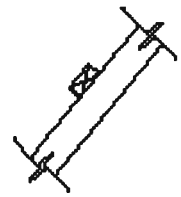
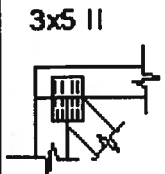


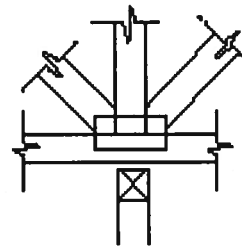
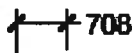
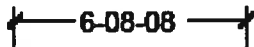
PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

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



W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

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

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.

The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.



6904 Parke East Blvd.
Tampa, FL 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbseng.com

Permit # 25951



Donald F. Lee & Associates, Inc.
Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dflla.com

Tuesday, July 17, 2007

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: K & H Framing

RE: Floor Elevation Check – Lot 59 Rolling Meadows

Permit # 25951

We have obtained elevations on the proposed floor (stemwall) of a house under construction on the above referenced Lot. The elevations are based on Local Benchmark Datum. The results are as follows:

Floor Elevation (stemwall): 105.85'

Highest Adjacent Grade: 105.4'

Lowest Adjacent Grade: 103.9'

Average Adjacent Grade: 104.5'

The minimum required floor elevation for this Lot is based on a letter to the Columbia County Building Department, dated May 3, 2007, from Curtis Keen, PE#23836, the subdivision's project engineer. The letter states that the minimum floor elevation for Lot 59 is to be set at 106.0' or a minimum of 12 inches above the highest adjacent grade.

SIGNED:

Timothy A. Delbene, P.L.S.
Florida Reg. Cert. No. 5594

DATE: 7/17/2007.

COLUMBIA COUNTY OFFICE 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 15-4S-16-03023-559

Building permit No. 000025951

Use Classification SFD/UTILITY

Fire: 51.36

Permit Holder JASON ELIXSON CONSTRUCTION,LLC

Waste: 134.00

Owner of Building A&B MANAGEMENT/JOHN W. KEEN

Total: 185.36

Location: 112 SW MORNING GLORY DRIVE, LAKE CITY, FL

Date: 02/11/2008



John W. Keen

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)