



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

## REVISION APPLICATION

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

RECEIVED  
JUN 30 2016

Date: 06-29-2016

BY: \_\_\_\_\_

Permit Number: 2016-06-005

Original Permit Number Issued

Contact Name Aleksandar Hrkalovic Phone: \_\_\_\_\_

Project Address 4226 Belle Grove Court Belle Isle, FL  32809  32812

Nature of Change Now adding trusswork for porch

Change in Job Cost 0 wo 69303

Do revisions affect:  Site  Architectural  Structural  Mechanical  Electrical  Plumbing

Itemize below for each drawing specific proposed changes. Attach additional sheets, if necessary.

Examiner Approval: [Signature]

Date \_\_\_\_\_ Finalized/Inspected by: \_\_\_\_\_

Fee: \$ 26.00  
Cash/Check #: 1554 Date Rec'd: 8-10-16 Rec'd By: [Signature]  
VISA

# HRKALOVIC RESIDENCE

## 4226 BELLE GROVE COURT ORLANDO, FL

### TRUSS INDEX SHEET

#### GENERAL NOTES AND DESIGN PARAMETERS

1. A SIGNED AND SEALED TRUSS SUMMARY HAS BEEN INCLUDED TO PROVIDE AS AN INDEX OF TRUSS DRAWINGS
2. REFER TO CONSTRUCTION DOCUMENTS FOR TRUSS PLACEMENT
3. DESIGN LOADS:  
ROOF: 37 PSF (SHINGLE) minimum  
45 PSF (TILE) minimum  
FLOOR: 55 PSF minimum
4. WIND DESIGN LOAD INFORMATION-  
(PER 2014 5TH EDITION FBC, REF. ASCE 7-10)  
A) BASIC WIND SPEED = 150 MPH(Vult); 116 MPH(Vasd)  
B) WIND IMPORTANCE FACTOR = 1.00  
C) BUILDING RISK CATEGORY = II  
D) WIND EXPOSURE(ALL SIDES) =D  
E) INTERNAL PRESSURE COEFFICIENTS  
ENCLOSED BUILDINGS = +/- 0.18  
PARTIALLY ENCLOSED BUILDINGS = +/- 0.55  
(NOTE: COEFFICIENTS FOR PARTIALLY ENCLOSED STRUCTURES ARE APPLIED WHEN DESIGN OF MEMBER(S) FALLS UNDER ASCE 7-10 DEFINITIONS CLASSIFYING AS SUCH)
5. REFER TO ROOF AND FLOOR DETAILS AT THE END OF THIS BOOK FOR TYPICAL CONNECTIONS



COPYRIGHT ©

K & M TRUSS

ZELLWOOD, FL



**"STRENGTH BY DESIGN"**  
MONTA CONSULTING & DESIGN  
OF T&R & ASSOCIATES, INC.  
CERT. OF AUTHORIZATION NO. 9177  
222 S. WESTMONTE DRIVE SUITE 100  
ALTAMONTE SPRINGS, FL 32714  
PHONE: 407.270.2704

JUN 28 2016

project no.  
checked:  
drawn:  
date:  
scale:

William M. Ranieri, PE FL Lic # 42704

ssom Trail - P.O Box 1138  
Zellwood, FL 32738

Main Office:407-880-4551  
Fax:407-880-4552

# Uplifts Reactions

Job #: 160273

13

Order Date 5/16/2016

## Customer Information:

Name: **HOUSE ACCOUNT** Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

## Project Information:

Name: **Belle Grove Addition**  
Address: **4226 Belle Grove Ct** Region: \_\_\_\_\_  
City, State, Zip: **ORLANDO, FL**

Salesman: \_\_\_\_\_  
Designer: \_\_\_\_\_

Loading:	TC	BC
LL	20	0
DL	7	10

Notes: \_\_\_\_\_

C-Cust Notes: \_\_\_\_\_

## WoodTruss

Qty	Span	Description	Truss	Bearing1 Reaction/Uplift	Bearing2 Reaction/Uplift	Bearing3 Reaction/Uplift	Bearing4 Reaction/Uplift	Height
<input type="checkbox"/> 4	18-08-00	A1 6/12 88.20 lbs. each		00-08-00 BC100 830 / 428	00-08-00 BC100 830 / 428			05-00-03
<input type="checkbox"/> 2	18-08-00	A2 6/12 88.20 lbs. each		00-08-00 BC100 830 / 419	00-08-00 BC100 830 / 419			04-10-03
<input type="checkbox"/> 1	18-08-00	A3 6/12 88.20 lbs. each		00-08-00 BC100 1668 / 950	00-08-00 BC100 1668 / 950			03-10-03
<input type="checkbox"/> 1	18-08-00	A3A 6/12 82.60 lbs. each		00-08-00 BC100 1677 / 956	00-08-00 BC100 1537 / 842			03-10-03
<input type="checkbox"/> 3	09-10-01	HJ7 4.24/12 42.00 lbs. each		00-10-09 BC100 338 / 546	00-01-08 NAILED 312 / 223	00-01-08 NAILED 39 / 2		03-09-14
<input type="checkbox"/> 1	09-10-01	HJ7A 4.24/12 39.20 lbs. each		00-10-09 BC100 274 / 321	00-01-08 NAILED 371 / 221	00-01-08 NAILED 30 / 7		03-09-14
<input type="checkbox"/> 8	07-00-00	EJ7 6/12 26.60 lbs. each		00-08-00 BC100 416 / 185	00-01-08 NAILED 125 / 18	00-01-08 NAILED 163 / 138		03-10-03
<input type="checkbox"/> 7	05-00-00	CJ5 6/12 18.20 lbs. each		00-08-00 BC100 349 / 166	00-01-08 NAILED 86 / 12	00-01-08 NAILED 107 / 91		02-10-03
<input type="checkbox"/> 1	05-00-00	CJ5A 6/12 15.40 lbs. each		00-08-00 BC100 195 / 63	00-01-08 NAILED 91 / 19	00-01-08 NAILED 123 / 104		02-10-03
<input type="checkbox"/> 7	03-00-00	CJ3 6/12 12.60 lbs. each		00-08-00 BC100 295 / 156	00-01-08 NAILED 77 / 23	00-01-08 NAILED 42 / 88		01-10-03
<input type="checkbox"/> 1	03-00-00	CJ3A 6/12 9.800 lbs. each		00-08-00 BC100 119 / 37	00-01-08 NAILED 53 / 12	00-01-08 NAILED 27 / 62		01-10-03
<input type="checkbox"/> 7	01-00-00	CJ1 6/12 7.000 lbs. each		00-08-00 BC100 394 / 261	00-01-08 NAILED 181 / 52	00-01-08 NAILED 197 / 156		01-10-03
<input type="checkbox"/> 1	01-00-00	CJ1A 6/12 4.200 lbs. each		00-08-00 BC100 44 / 11	00-01-08 NAILED 15 / 6	00-01-08 NAILED 20 / 7		01-10-03



JUN 28 2016

Value Set: 13B (Effective 6/1/2013)

Top chord	2x4	SP #2
Bot chord	2x4	SP #2
Web	2x4	SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
 MAX CSI: TC = 0.80, BC = 0.83, WEBS = 0.19.

Bottom chord checked for 10.00 psf non-concurrent live load.  
 Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load is 1.50.

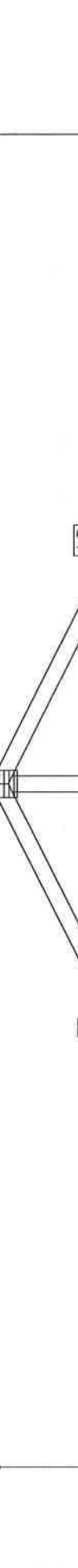
Wind loads and reactions based on MWFRS with additional C&C member design.  
 All wind load cases on this truss have a 1.33 duration factor.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp
0-1	56	628	6-7	512	836
7-13	513	627	10-11	56	0
5-12	928	887	18-19	928	437
6-11	272	504	10-14	271	269

150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18



R-830# U-428# W-8" (Rigid Surface)

RIGHT RAKE = 2'2"13

PLT. TYP. -WAVE

DESIGN CRIT-FBC2014RES/TPI-2007 FT/RT-20X(0.02)/10.00 QTY= 4 TOTAL= 4

**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING**  
**IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER**  
 Follow the latest edition of BSI Building Component Safety Information, by TPI and WCR for practices prior to performing these functions. Installers shall provide temporary bracing per unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BSI sections B3, B7 or B10, as applicable. Apply plates to all truss and position as shown above and on the joint details, unless noted otherwise. For TPI Building Products, call 1-800-251-6002 for standard plate positions. Failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. A seal on this drawing indicates acceptance of professional engineering. The seal is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see this job's general notes page and these web sites: For any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. ITVBCG: www.itvbcg.com; TPI: www.tpi.net; WCR: www.aboindustry.com; ICC: www.iccsafe.org



REV.	DATE	BY	DESCRIPTION
15.01.01A	04.25	CALE	0.3801

TC LL	20.0psf	REF
TC DL	7.0psf	DATE 05-16-2016
BC DL	10.0psf	DRWG
BC LL	0.0psf	
TOT.LD.	37.0psf	O/A LEN. 180800
DUR.FAC.	1.25	JOB #: 160273
SPACING	24.0"	TYPE COMN

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / A3 THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP #2  
Bot chord 2x4 SP #2  
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

MAX CSI: TC = 0.92, BC = 0.97, WEBS = 0.24.

150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP'D, wind TC DL=4.2 psf, wind BC DL=5.0 psf, G<sub>pf</sub>(7/)=0.18

Wind loads and reactions based on MWFRS.

Bottom chord checked for 10.00 psf non-concurrent live load.

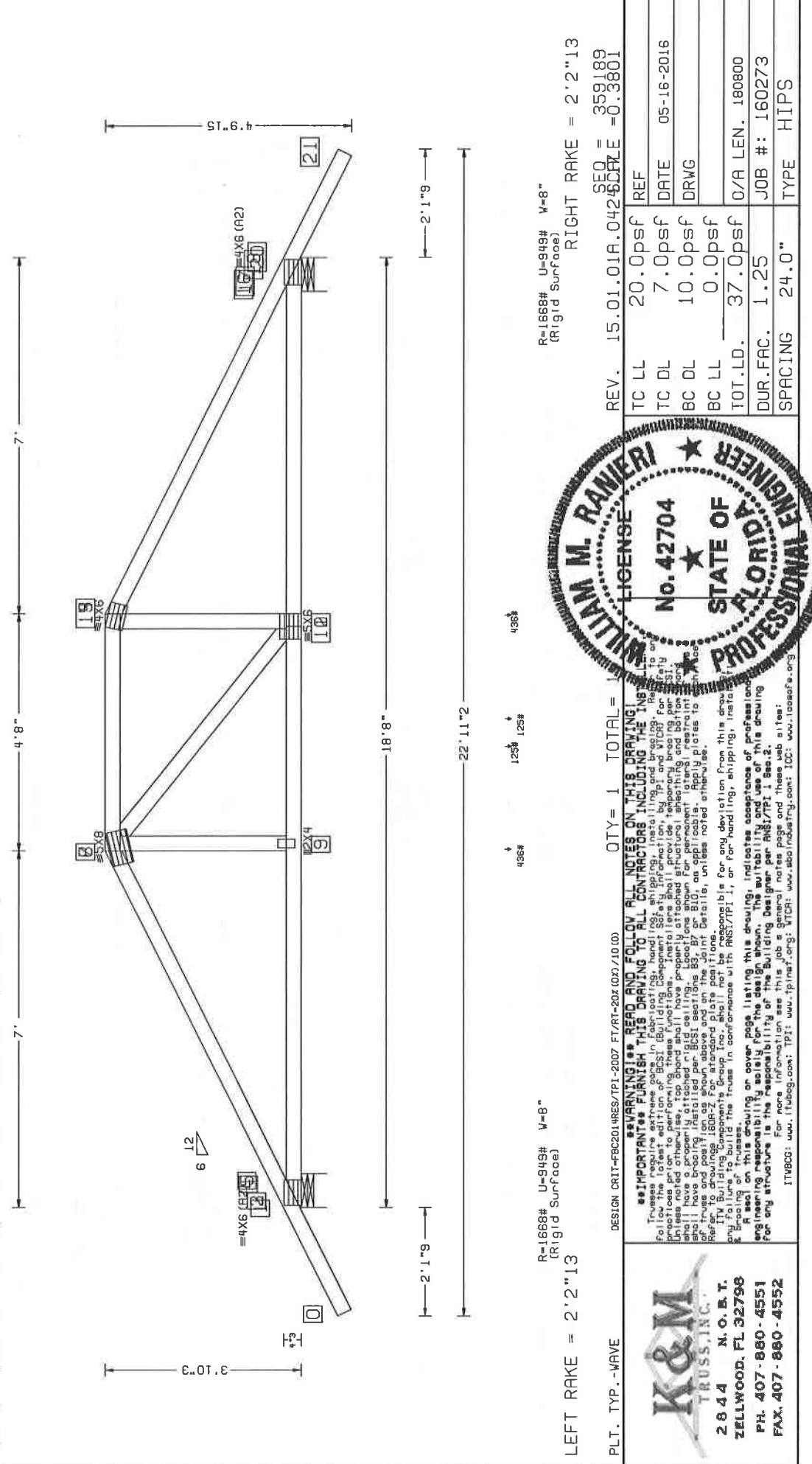
Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load is 1.50.

All wind load cases on this truss have a 1.33 duration factor.

Maximum Forces	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens
0- 1	56	4- 8	1601	2855	2- 4	1568	2868	7- 14	1380	2522	7- 14	1380
13- 17	1600	2848	20- 21	56	45	17- 18	1595	2860	5- 9	2477	1365	5- 9
9- 12	2502	1373	3- 5	2481	1408	11- 16	2470	1363	16- 19	2470	1406	16- 19
6- 9	623	195	6- 10	26	9	15- 10	634	201	15- 10	634	201	15- 10

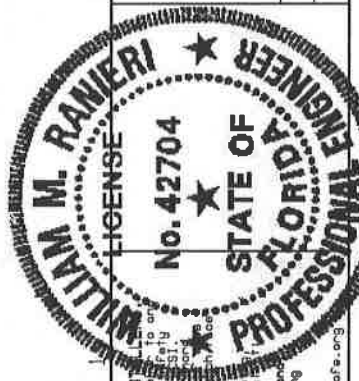
Special loads	Dur.	Fac.	1.25 /	Plate	Dur.	Fac.			
TC- From	56	pif	at	-2.13	to	56	pif	at	7.00
TC- From	28	pif	at	7.00	to	28	pif	at	11.67
TC- From	56	pif	at	11.67	to	56	pif	at	20.80
BC- From	4	pif	at	-2.13	to	4	pif	at	9.00
BC- From	20	pif	at	0.00	to	20	pif	at	7.00
BC- From	10	pif	at	7.00	to	10	pif	at	11.64
BC- From	20	pif	at	11.64	to	20	pif	at	18.67
BC- From	4	pif	at	18.67	to	4	pif	at	20.80
TC- 202.16	b	Conc.	Load	at	7.03	11.64			
TC- 162.89	b	Conc.	Load	at	9.06	9.60			
BC- 436.285	b	Conc.	Load	at	7.03	11.64			
BC- 418.773	b	Conc.	Load	at	7.03	11.64			
BC- 418.773	b	Conc.	Load	at	7.03	11.64			



R=1668# U=949# V=8" (Rigid Surface)  
RIGHT RAKE = 2'2"13

R=1668# U=949# V=8" (Rigid Surface)  
RIGHT RAKE = 2'2"13

PLT. TYP. -WAVE DESIGN CRIT-FBC2014RES/TPI-2007 FT/RT-20X(0.2)/10.0) QTY = 1 TOTAL = 1



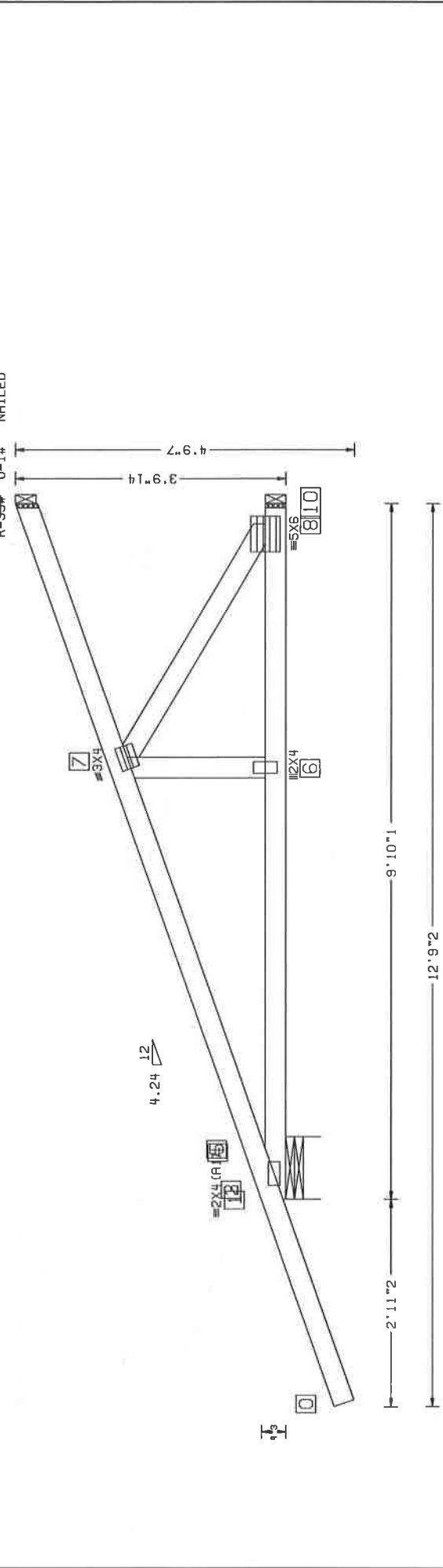
REV. 15.01.01A.0424	SEQ 359189	CRPLE = 0.3801
TC LL	20.0psf	REF
TC DL	7.0psf	DATE 05-16-2016
BC DL	10.0psf	DRWG
BC LL	0.0psf	
TOT.LD.	37.0psf	O/A LEN. 180800
DUR.FAC.	1.25	JOB #: 160273
SPACING	24.0"	TYPE HIPS

**K&M TRUSS, INC.**  
2844 N. O. B. T.  
ZELLWOOD, FL 32798  
PH. 407-880-4551  
FAX. 407-880-4552

Value Set: 13B (Effective 6/1/2013)  
 Top chord 2x4 SP #2  
 Bot chord 2x4 SP #2  
 Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
 MAX CSI: TC = 0.57, BC = 0.39, WEBS = 0.20.  
 150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCpl (t/r)=0.18  
 Wind loads and reactions based on MWFRS.  
 Bottom chord checked for 10.00 psf non-concurrent live load.  
 Deflection meets L/240 live and L/240 dead load. <sup>85#</sup> Deep 2" gage factor for dead load is 1.50.

All wind load cases on this truss have a 1.33 duration factor.



R-338# U-546# W-10\*9 (Rigid Surface)  
 R-312# U-223# NAILED

LEFT RAKE = 3'  
 PLT. TYP. - WAVE  
 DESIGN CRIT - FBC2014RES/TPI-2007 FT/RT-20X (0X) / 10 (00)  
 QTY = 3 TOTAL = 3

<p><b>K&amp;M</b> TRUSS, INC. 2844 N. O. B. T. ZELLWOOD, FL 32798 PH. 407-880-4551 FAX. 407-880-4552</p>	DESIGN CRIT - FBC2014RES/TPI-2007 FT/RT-20X (0X) / 10 (00) QTY = 3 TOTAL = 3		REV. 15.01.01A.0426CARLE = 359182 6CARLE = 0.4961	
	**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS DRAWING. **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE TRUSSES. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The user is responsible for the latest addition of BCSI Building Component Safety Information, by TPI and WTCB for safety practices prior to performing these functions. Installations shall provide temporary bracing per BCSI. Trusses shall have a proper bracing system. Locations shown for permanent bracing shall be maintained until approved by BCSI. All bracing shall be installed per BCSI drawings 83, 87 or 810, as applicable. Apply plates to all bracing connections. Refer to drawings 18042 for additional details. Unless noted otherwise, apply plates to all bracing connections. Refer to drawings 18042 for additional details. Unless noted otherwise, apply plates to all bracing connections. The user is responsible for any deviation from this drawing for handling, shipping, installing and bracing. The user is responsible for the design shown. The suitability and use of this drawing engineering responsibility solely for the design shown. The suitability and use of this drawing engineering responsibility solely for the design shown. For more information see this job's general notes page and these web sites: For any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: TPI Web: www.tpi.com; TPI: www.tpinet.org; WTCB: www.abninetry.com; ICC: www.iccsafe.org	TC LL 20.0psf TC DL 7.0psf BC DL 10.0psf BC LL 0.0psf TOT.LD. 37.0psf DUR.FAC. 1.25 SPACING 24.0"	REF DATE 05-16-2016 DRWG O/A LEN. 91001 JOB #: 160273 TYPE HIP-JACK	
	MAXIMUM FORCES Endpts Tens 516 0-1 28 4-7 7-8 8-10 9-10 491 396 2-4 489 5-6 471 401 6-8 460 396 8-10 499 7-8 241 127 7-8 476 354	Special loads (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC-From 0 plf at -2.93 to 55 plf at -0.10 BC-From 2 plf at -0.10 to 2 plf at 9.84 BC-From 0 plf at -2.93 to 4 plf at -0.10 TC-From 2 plf at 0.00 to 2 plf at 9.84 TC-68.90 lb Conc. Load at 1.41 TC-84.90 lb Conc. Load at 4.24 TC-213.83 lb Conc. Load at 7.07 BC-1.08 lb Conc. Load at 1.41 BC-91.85 lb Conc. Load at 4.24 BC-2192.11 lb Conc. Load at 7.07	Tens 58 61 0 3- 5 491 7- 8 396 8-10 554	Tens 499 2- 4 489 3- 5 447
	Value Set: 13B (Effective 6/1/2013) Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3	Lumber value set "13B" uses design values approved 1/30/2013 by ALSC MAX CSI: TC = 0.57, BC = 0.39, WEBS = 0.20. 150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCpl (t/r)=0.18 Wind loads and reactions based on MWFRS. Bottom chord checked for 10.00 psf non-concurrent live load. Deflection meets L/240 live and L/240 dead load. <sup>85#</sup> Deep 2" gage factor for dead load is 1.50.	All wind load cases on this truss have a 1.33 duration factor.	
	William M. Ranieri, PE FL Lic # 42704			

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP #2  
Bot chord 2x4 SP #2

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
MAX CSI: TC = 0.83, BC = 0.48, WEBS = 0.00.

Bottom chord checked for 10.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.

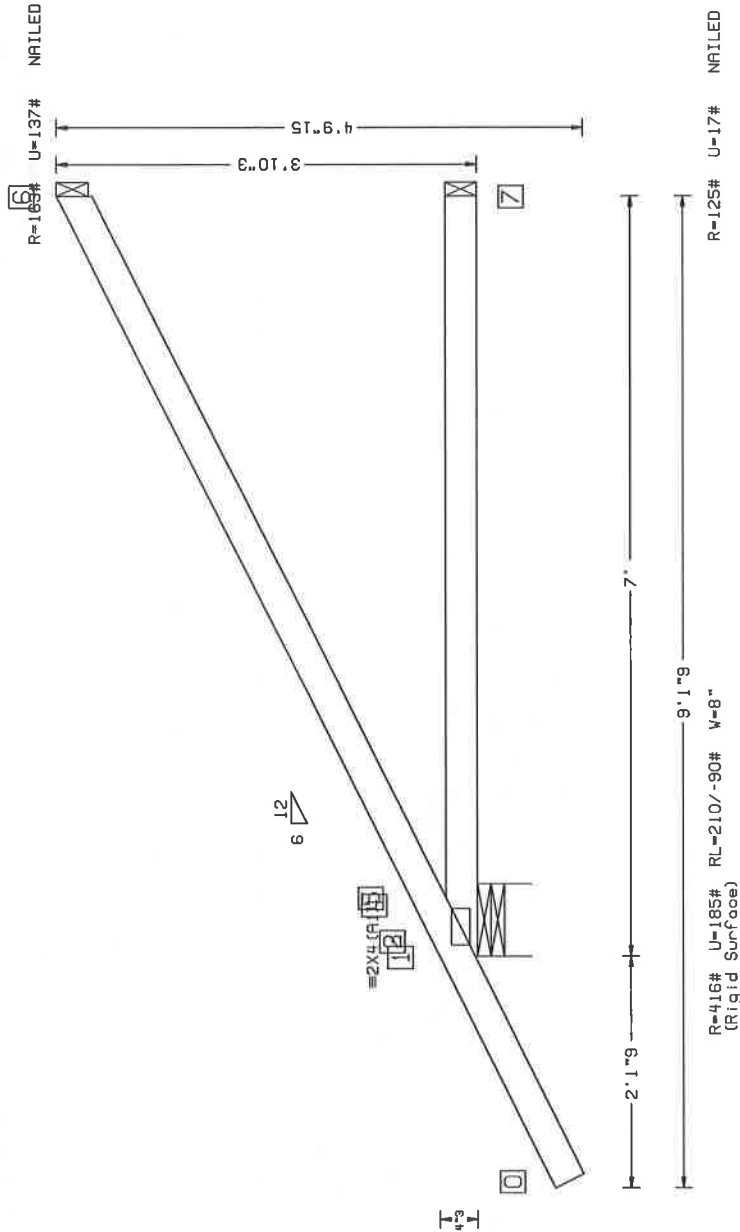
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

Maximum forces  
Endpts Tens 0 1 56 3-5  
Comp Tens 4-6 73 157 2-4 43 160

150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf.  
GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 2'2"13

PLT. TYP. -WAVE

DESIGN CRIT-FBC2014RES/TPI-2007 FT/RT-20X (02/10/02) QTY = 8 TOTAL = 8

**K&M TRUSS, INC.**  
2844 N. O. B. T.  
ZELLWOOD, FL 32798  
PH. 407-880-4551  
FAX. 407-880-4552



REV. 15.01.01A.0424 CARLE = 359176  
=0.5983

TC LL	20.0psf	REF
TC DL	7.0psf	DATE 05-16-2016
BC DL	10.0psf	DRWG
BC LL	0.0psf	O/A LEN. 7
TOT.LD.	37.0psf	JOB #: 160273
DUR.FAC.	1.25	TYPE E JACK
SPACING	24.0"	

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP #2  
Bot chord 2x4 SP #2

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

MAX CSI: TC = 0.53, BC = 0.37, WEBS = 0.00.

Bottom chord checked for 10.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.

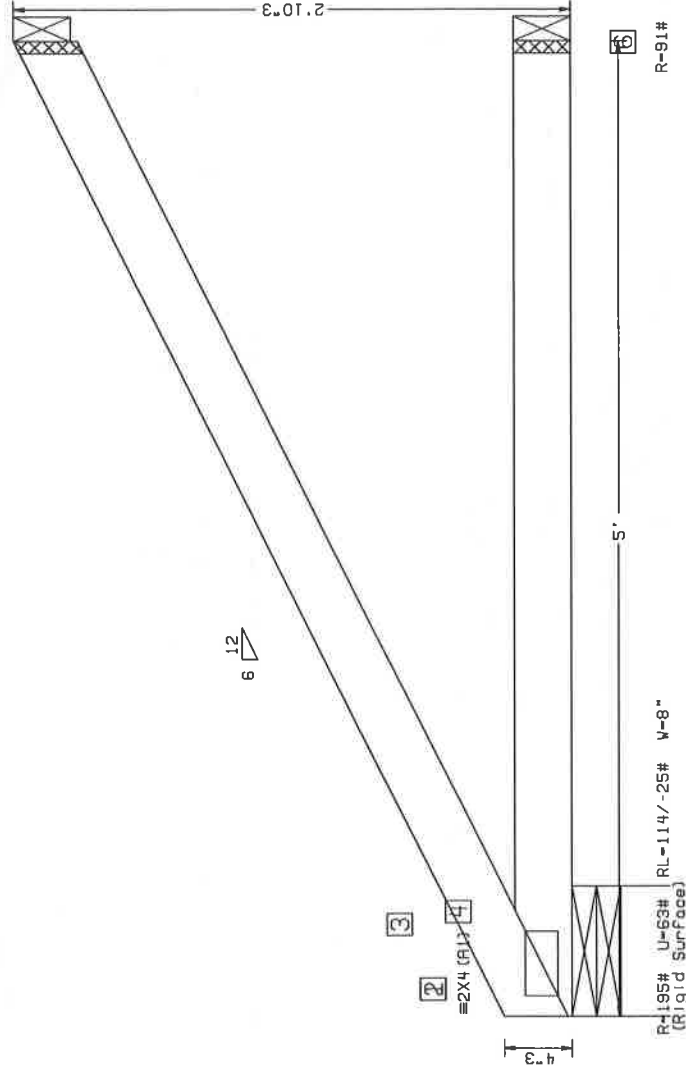
Maximum Forces  
Tens 55  
Comp 128  
Endpts 3-5  
Tens 1-3  
Comp 128  
Endpts 3-5  
Tens 23  
Comp 242  
Endpts 4-6  
Tens 2-4  
Comp 126  
Endpts 4-3  
Tens 43  
Comp 43  
Endpts 2-4  
Tens 43  
Comp 126  
Endpts 2-4

150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP D, wind IC DL=4.2 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load is 1.50.

R-123# U-104# NAILED



PLT. TYP. -WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT-20X (02)/10.00

QTY=1 TOTAL=1

REV. 15.02.00C.1212 SCHE = 360066

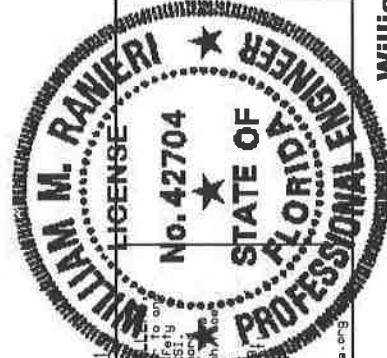
**IMPORTANT WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. ALL CONTRACTORS INCLUDING THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING THE TRUSS MANUFACTURER WITH ALL INFORMATION, INCLUDING THE TRUSS MANUFACTURER'S SPECIFICATIONS, TO THE TRUSS MANUFACTURER PRIOR TO PERFORMING THESE FUNCTIONS. INSTALLERS SHALL PROVIDE TEMPORARY BRACING PER CSI UNLESS NOTED OTHERWISE. TOP CHORD JOINTS HAVE PROPOSED JOINTS CHECKED FOR STRUCTURAL BEHAVIOR AND REACTION JOINTS HAVE BEARING PLATES PER BOSTI SECTION B3, B7 OR B10, AS APPLICABLE. APPLY PLATES TO ALL JOINTS AND POSITIONS SHOWN ABOVE AND ON THE JOINT DETAILS, UNLESS NOTED OTHERWISE.**

**ITV Building Components Group, Inc. shall not be responsible for any deviation from this drawing or for any failure to build the truss in conformance with ANSI/TPI-1, or for handling, shipping, installation or bracing of trusses.**

**Following on cover page listing, this drawing indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI-1 Sec. 2.**

For more information see this job's general notes page and these web sites:  
ITVBCG: www.itvbcg.com; TPI: www.tpinet.org; VTCR: www.vtcra.com; IFC: www.ifc.com

**K&M TRUSS, INC.**  
2844 N. O. B. I.  
ZELLWOOD, FL 32798  
PH. 407-880-4551  
FAX. 407-880-4552



TC LL	20.0psf	REF
TC DL	7.0psf	DATE 05-16-2016
BC DL	10.0psf	DRWG
BC LL	0.0psf	
TOT.LD.	37.0psf	O/A LEN. 5
DUR.FAC.	1.25	JOB #: 160273
SPACING	24.0"	TYPE JACK

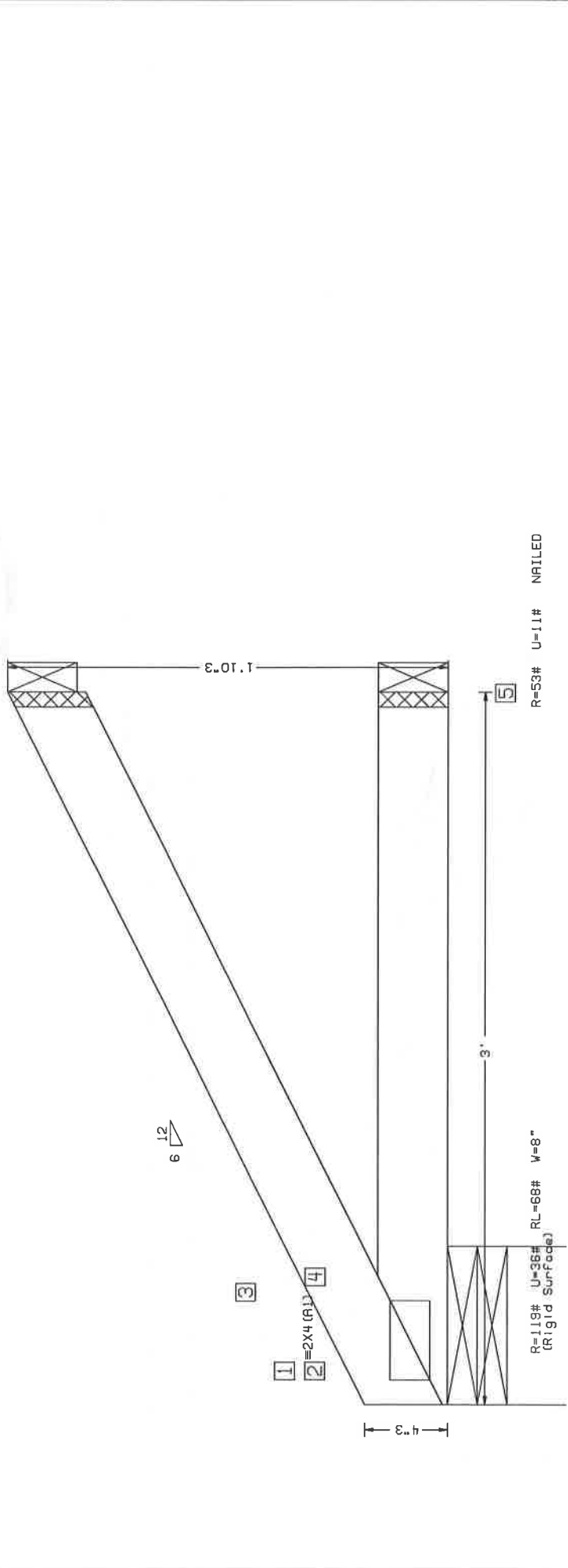


Value Set: 13B (Effective 6/1/2013)  
 Top chord 2x4 SP #2  
 Bot chord 2x4 SP #2

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
 MAX CSI: TC = 0.19, BC = 0.12, WEBS = 0.00.  
 Bottom chord checked for 10.00 psf non-concurrent live load.  
 All wind load cases on this truss have a 1.33 duration factor.

Maximum forces  
 Endpts Tens 32 78 1-3 9 Comp Endpts Tens 128 4-5 0 Comp Endpts Tens 16 52  
 3-6 123 4-5 0 2-4 16  
 150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf.  
 GCPI(+/-)=0.18  
 Wind loads and reactions based on MMFRS with additional C&C member design.  
 Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load is 1.50.

[6] R=72# U=61# NAILED



R=119# U=36# RL=68# W=8"  
 (Rigid Surface)  
 R=53# U=11# NAILED

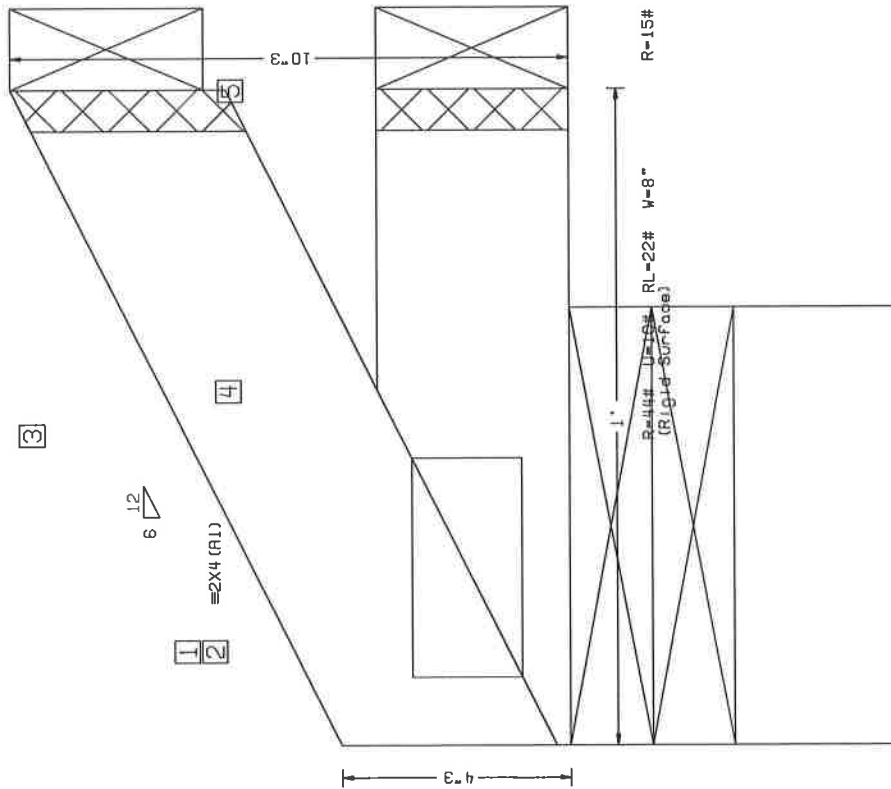


PLT. TYP. - WAVE	DESIGN CRIT-FBC2014RES/TPI-2007 FT/RT-20X(02)/10(00)	QTY= 1 TOTAL= 1	REV. 15.02.00C.12.L2.SCFE = 1.6556	SEQ = 360069																																
<p><b>**WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING</b>  <b>**IMPORTANT** FURNISH THE DRAWING TO ALL CONTRACTORS INCLUDING THE TRUSS MANUFACTURER</b></p> <p>Trusses require extreme care in fabrication and handling. Installation, by the contractor, shall be in accordance with the latest edition of BECSI (Building Component Safety Institute) information, by TPI and VTCI for all trusses. Truss manufacturers shall provide temporary bracing per BECSI. Truss manufacturers shall have bracing installed per BECSI sections B3, B7 or B10, as applicable. Apply plates to all truss and positioning shown above and on the joint details, unless noted otherwise. The truss manufacturer shall not be responsible for any deviation from this drawing. Failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation &amp; spacing of trusses. Drawing on cover page listing, this showing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see this job's general notes page and these web sites: TIVBCD: www.tivbcg.com; TPI: www.tpi.net.org; VTCR: www.sbcindustry.com; IGC: www.losafe.org</p>		<table border="1"> <tr><th>REV.</th><th>DATE</th><th>DRWG</th><th>TYPE</th></tr> <tr><td>TC LL</td><td>20.0psf</td><td>REF</td><td>JACK</td></tr> <tr><td>TC DL</td><td>7.0psf</td><td>REF</td><td>JACK</td></tr> <tr><td>BC DL</td><td>10.0psf</td><td>REF</td><td>JACK</td></tr> <tr><td>BC LL</td><td>0.0psf</td><td>REF</td><td>JACK</td></tr> <tr><td>TOT.LD.</td><td>37.0psf</td><td>REF</td><td>JACK</td></tr> <tr><td>DUR.FAC.</td><td>1.25</td><td>REF</td><td>JACK</td></tr> <tr><td>SPACING</td><td>24.0"</td><td>REF</td><td>JACK</td></tr> </table>	REV.	DATE	DRWG	TYPE	TC LL	20.0psf	REF	JACK	TC DL	7.0psf	REF	JACK	BC DL	10.0psf	REF	JACK	BC LL	0.0psf	REF	JACK	TOT.LD.	37.0psf	REF	JACK	DUR.FAC.	1.25	REF	JACK	SPACING	24.0"	REF	JACK		
REV.	DATE	DRWG	TYPE																																	
TC LL	20.0psf	REF	JACK																																	
TC DL	7.0psf	REF	JACK																																	
BC DL	10.0psf	REF	JACK																																	
BC LL	0.0psf	REF	JACK																																	
TOT.LD.	37.0psf	REF	JACK																																	
DUR.FAC.	1.25	REF	JACK																																	
SPACING	24.0"	REF	JACK																																	

**K&M**  
 TRUSS, INC.  
 2844 N. O. B. T.  
 ZELLWOOD, FL 32798  
 PH. 407-880-4551  
 FAX. 407-880-4552

Value Set: 13B (Effective 6/1/2013)  
 Top chord 2x4 SP #1  
 Bot chord 2x4 SP #2  
 Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
 MAX CSI: TC = 0.02, BC = 0.01, WEBS = 0.00.  
 Bottom chord checked for 10.00 psf non-concurrent live load.  
 All wind load cases on this truss have a 1.33 duration factor.

Maximum Forces  
 Endpts Tens 3-6  
 Comp Endpts Tens 1-3  
 Tens 42 4-5  
 Comp Endpts Tens 6 2-4  
 Tens 0 0  
 150 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=5.0 psf.  
 Gcpl (+/-)=0.18  
 Wind loads and reactions based on MWFRS with additional C&C member design.  
 Deflection meets L/240 live and L/240 total load. Creep increase factor for dead load = 1.50  
 R=20# U=18#



PLT. TYP.	-WAVE	DESIGN CRIT-FBC20	URES/TPI-2007	FT/RT-20X (02) /10 (0)	QTY = 1	TOTAL = 1	REV.	15.02.00C.121	SCRF.E	-3.6104	SEQ =	360072
TC	LL	20.0	psf				REV.	15.02.00C.121	SCRF.E	-3.6104	SEQ =	360072
TC	DL	7.0	psf				TC	LL	20.0	psf		
BC	DL	10.0	psf				TC	DL	7.0	psf		
BC	LL	0.0	psf				BC	DL	10.0	psf		
TOT.	LD.	37.0	psf				BC	LL	0.0	psf		
DUR.	FAC.	1.25					TOT.	LD.	37.0	psf		
SPACING		24.0"					DUR.	FAC.	1.25			
							SPACING		24.0"			
							O/A	LEN.	1			
							JOB	#:	160273			
							TYPE		JACK			



**K&M**  
 TRUSS, INC.  
 2844 N. O. B. T.  
 ZELLWOOD, FL 32798  
 PH. 407-880-4551  
 FAX. 407-880-4552

27'

### LOADING CRITERIA

TOP CHORD LIVE LOAD p.s.f.  
TOP CHORD DEAD LOAD p.s.f.  
BOTTOM CHORD LIVE LOAD p.s.f.  
BOTTOM CHORD DEAD LOAD p.s.f.  
TOTAL LOAD p.s.f.  
DURATION FACTOR  
WIND STANDARD  
WIND SPEED m.p.h.  
BUILDING EXPOSURE  
BUILDING TYPE

THIS IS A PRELIMINARY DRAWING AND IS NOT TO BE USED FOR CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY ALL DIMENSIONS AND CONDITIONS. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE DESIGNER.

WARNING  
THIS DRAWING IS THE PROPERTY OF K&M TRUSS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ANY UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED.



HRKALOVIC RESODENCE  
4226 BELLE GROVE CT  
ORLANDO, FL

JOB#160273 DRAW: MS