City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * 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 BY:

Date: 06-29-2016

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: _____

Date_____ Finalized/Inspected by: _____

Fee: $ 26.00

~~Cash~~/Check #: 1554 VISA Date Rec'd: 8-10-16 Rec'd By: _____

To schedule an inspection please email your request to: BIDscheduling@UniversalEngineering.com

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

Reviewed for Code Compliance
Universal Engineering Sciences

WILLIAM M. RANIERI
LICENSE
No. 42704
STATE OF FLORIDA
PROFESSIONAL ENGINEER

K & M TRUSS

ZELLWOOD, FL

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

JUN 28 2016

project no.
checked:
drawn:
date:
scale:

WILLIAM M. RANIERI, P.E. LIC. NO. 42704

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

Order Date 5/16/2016

Customer Information:

Name: HOUSE ACCOUNT | **Contact:**

Address:

City, State, Zip:

Salesman:

Designer:

Project Information:

Name: Belle Grove Addition

Address: 4226 Belle Grove Ct | **Region:**

City, State, Zip: ORLANDO, FL

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
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
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
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
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
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
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
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
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
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
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 / 38		01-10-03
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 2 / 62		01-10-03
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 39 / 156		01-10-03
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 / 14		01-10-03

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

JUN 28 2016

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / A1

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 - 0.80, 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.

Maximum forces

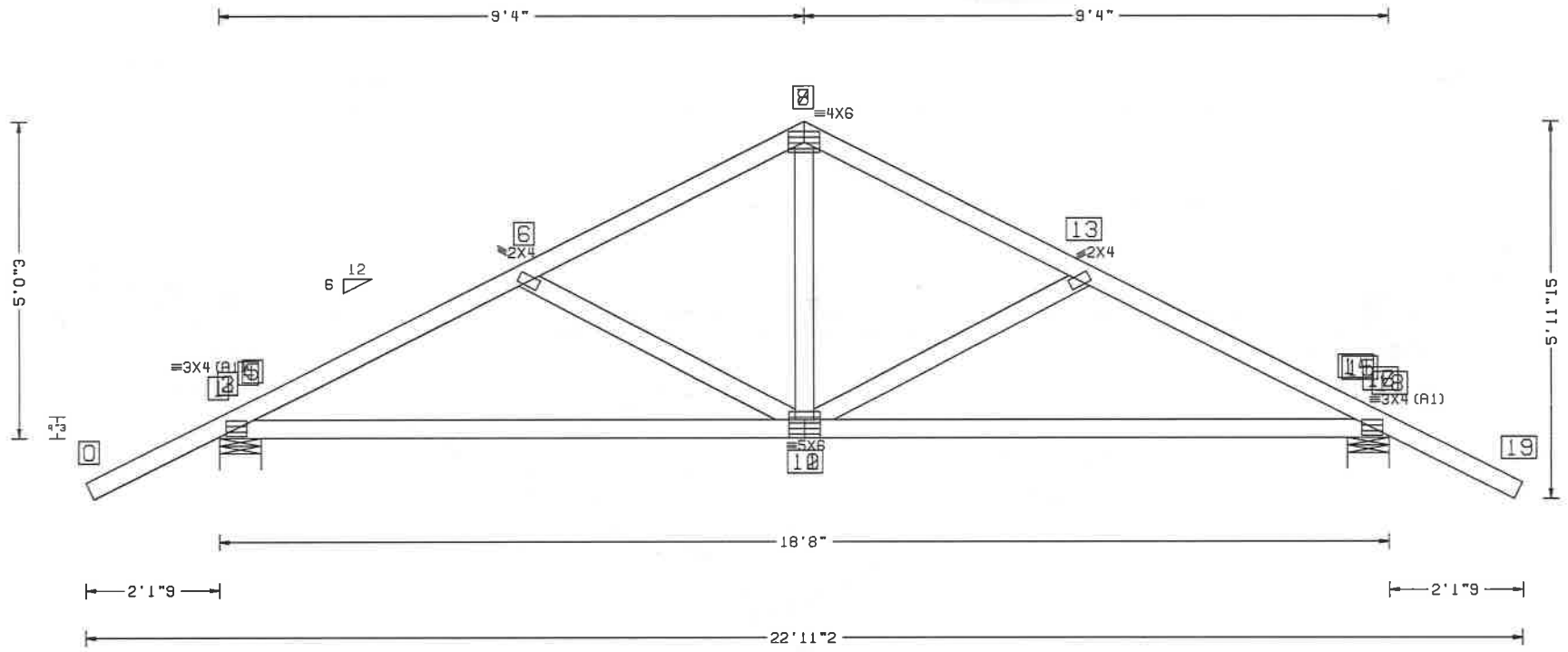
Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
0- 1	56	0	4- 6	628	1092	6- 9	512	830	2- 4	616	1153
7- 13	513	830	13- 15	627	1092	18- 19	56	0	15- 16	617	1153
5- 12	928	373	3- 5	887	376	10- 14	928	437	14- 17	887	437
6- 11	272	269	8- 11	504	220	11- 13	271	269			

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. GCpi (+/-)=0.18

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.



LEFT RAKE = 2'2"13

RIGHT RAKE = 2'2"13

PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 4 TOTAL= 4

REV. 15.01.01A.0424

SEQ = 359195
SCALE =0.3801

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

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, 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:
ITWBCG: www.itwbcg.com/ TPI: www.tpinst.org/ WTCA: www.sbcindustry.com/ ICC: www.icesafe.org/

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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. GCpi(+/-)=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.

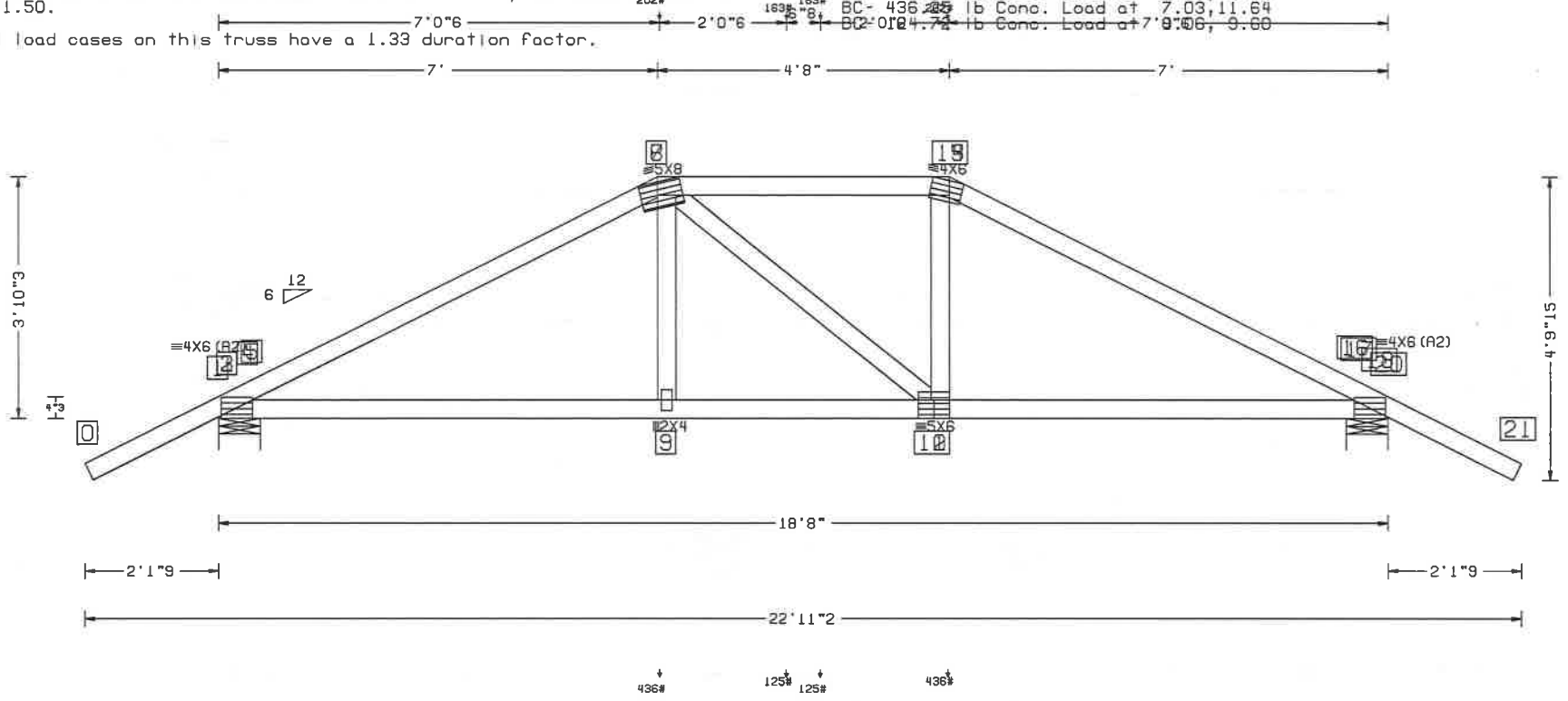
Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
0- 1	56	45	4- 8	1601	2855	2- 4	1566	2863	7- 14	1380	2522
13- 17	1600	2848	20- 21	56	45	17- 18	1565	2860	5- 9	2477	1365
9- 12	2502	1373	3- 5	2481	1408	11- 16	2470	1363	16- 19	2470	1406
6- 9	623	195	6- 10	26	9	15- 10	634	201			

Special loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	56 plf at	-2.13	to	56 plf at	7.00
TC- From	28 plf at	7.00	to	28 plf at	11.67
TC- From	56 plf at	11.67	to	56 plf at	20.80
BC- From	4 plf at	-2.13	to	4 plf at	0.00
BC- From	20 plf at	0.00	to	20 plf at	7.03
BC- From	10 plf at	7.03	to	10 plf at	11.64
BC- From	20 plf at	11.64	to	20 plf at	18.67
BC- From	4 plf at	18.67	to	4 plf at	20.80
TC-	202.16 lb Conc. Load at			7.03,11.64	
TC-	162.89 lb Conc. Load at			9.06, 9.60	
BC-	436.25 lb Conc. Load at			7.03,11.64	
BC-	124.74 lb Conc. Load at			9.06, 9.60	



R=1668# U=949# W=8" (Rigid Surface)

R=1668# U=949# W=8" (Rigid Surface)

LEFT RAKE = 2'2"13

RIGHT RAKE = 2'2"13

PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0X)/10(0)

QTY= 1 TOTAL= 1

REV. 15.01.01A.0424

SEQ = 359189
SCALE =0.3801

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

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For more information see this job a general notes page and these web sites:
ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / HJ7

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 = 0.57, 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. GCpi(+/-)=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.

Maximum forces

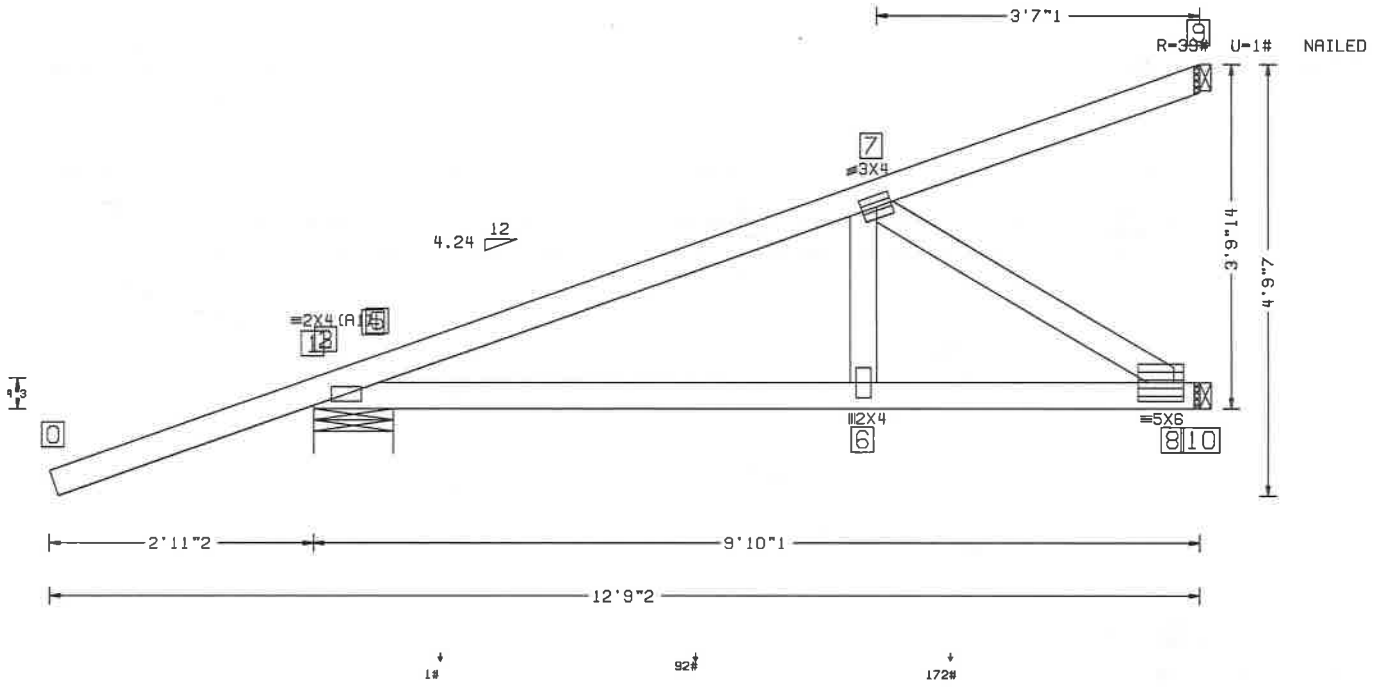
Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
0- 1	28	23	4- 7	516	491	7- 9	58	61	2- 4	499	515
5- 6	471	401	6- 8	460	396	8- 10	0	0	3- 5	447	432
7- 6	241	127	7- 8	476	554						

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
TC- 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
BC- 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- 212.11 lb Conc. Load at 7.07

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



LEFT RAKE = 3'

PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 3 TOTAL= 3

REV. 15.01.01A.0424

SEQ = 359182
SCALE =0.4961

K&M TRUSS, INC.
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ZELLWOOD, FL 32798
PH. 407-880-4551
FAX. 407-880-4552

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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.	91001
DUR.FAC.	1.25	JOB #:	160273
SPACING	24.0"	TYPE	HIP_JACK

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / EJ7

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

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.

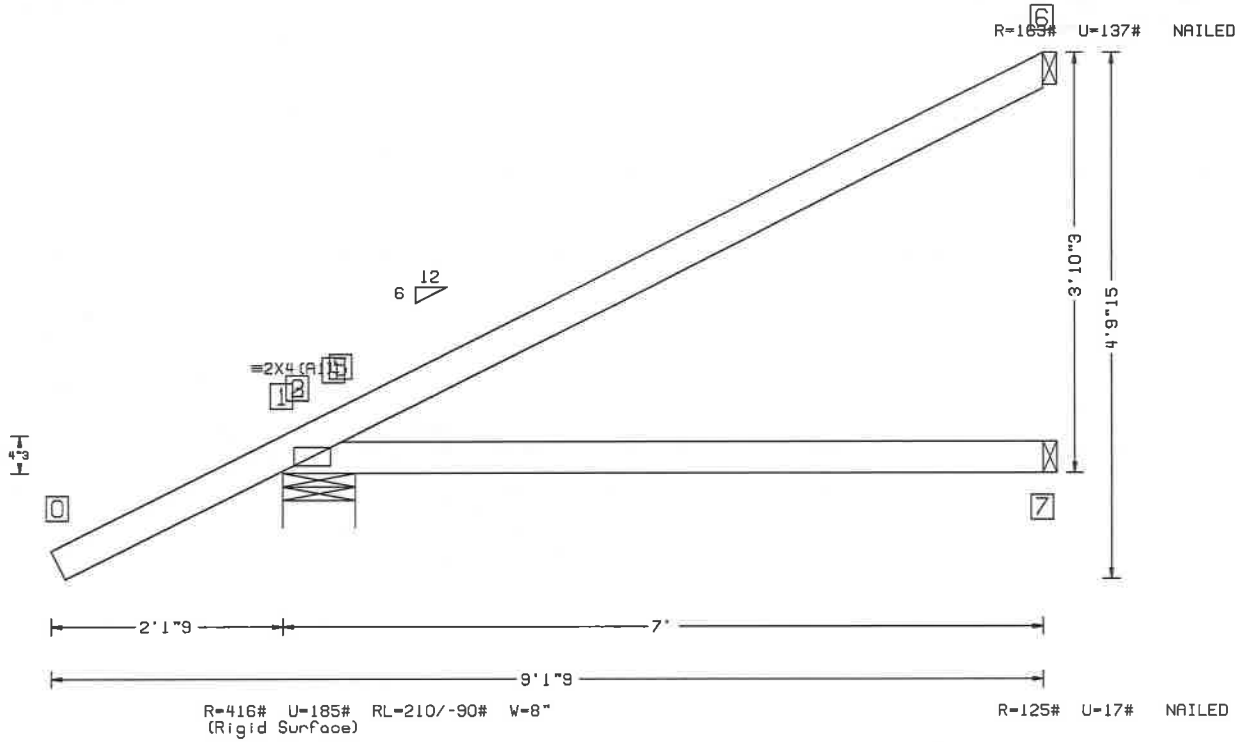
Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
0- 1	56	0	4- 6	73	157	2- 4	0	313	5- 7	0	0
3- 5	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=20%(0%)/10(0)

QTY= 8 TOTAL= 8

REV. 15.01.01A.0424

SEQ = 359176
SCALE =0.5983

K&M TRUSS, INC.
2844 N. O. B. T.
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For more information see this job's general notes page and these web sites:
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WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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. 7
DUR.FAC.	1.25	JOB #: 160273
SPACING	24.0"	TYPE EJACK

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / CJ5A

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

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.

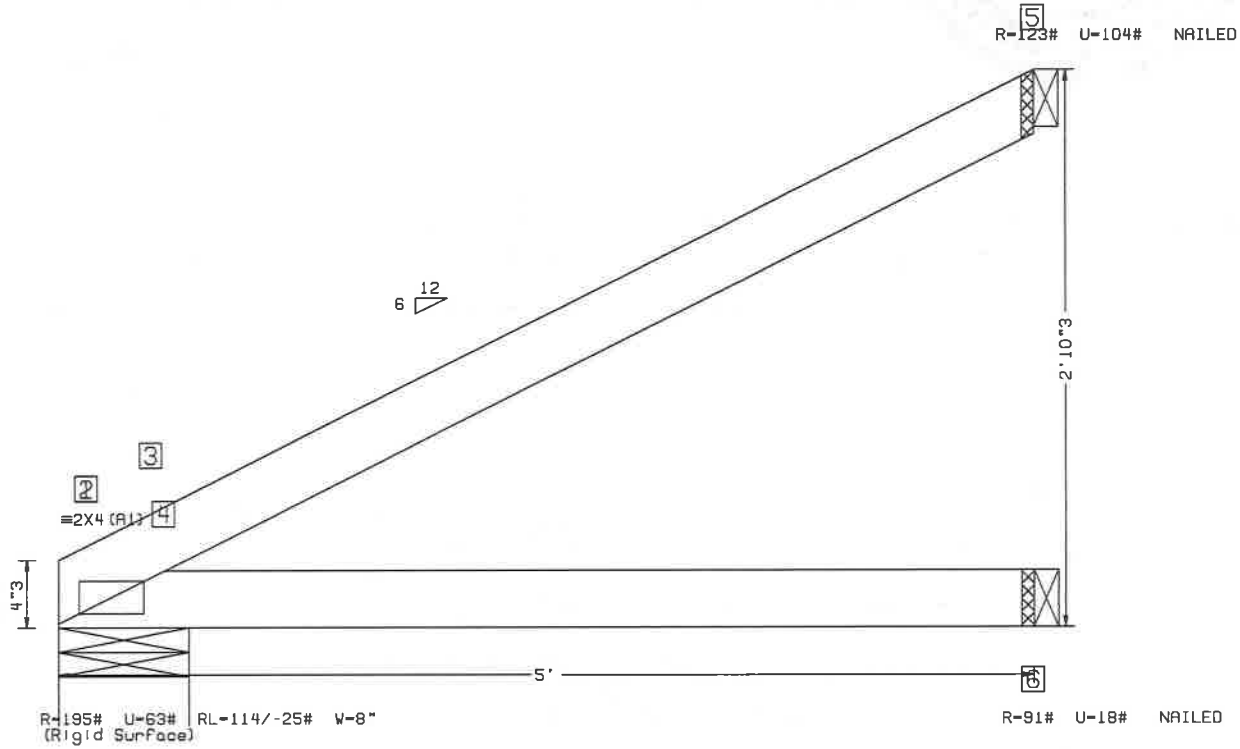
Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
3- 5	55	129	1- 3	23	242	4- 6	0	0	2- 4	43	126

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 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.



PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 15.02.00C.121

SEQ = 360066
SCALE =1.0741

K&M TRUSS, INC.
2844 N. O. B. T.
ZELLWOOD, FL 32798
PH. 407-880-4551
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ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, 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:
ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / CJ3A

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

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.

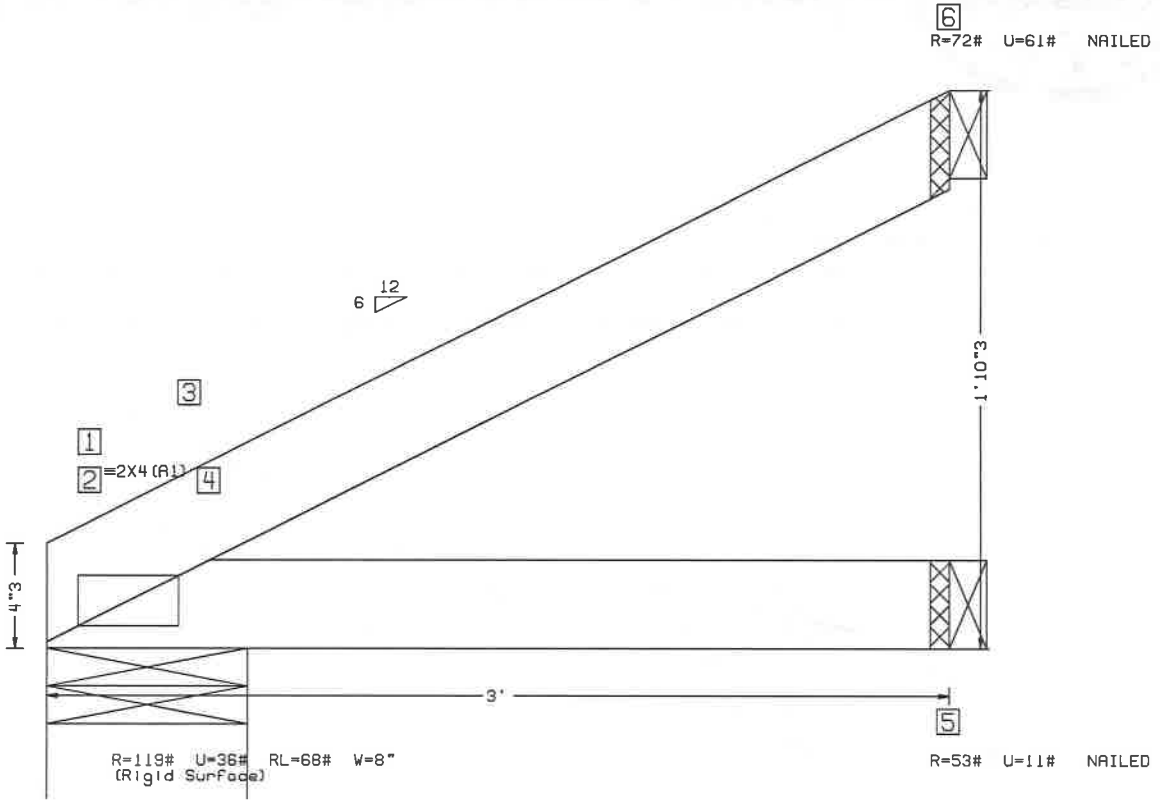
Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
3- 6	32	79	1- 3	9	125	4- 5	0	0	2- 4	16	52

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.



PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 15.02.00C.121

SEQ = 360069
SCALE =1.6556

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

WILLIAM M. RANIERI LICENSE No. 42704 STATE OF FLORIDA PROFESSIONAL ENGINEER

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.	3
DUR.FAC.	1.25	JOB #:	160273
SPACING	24.0"	TYPE	JACK

William M. Ranieri, PE FL Lic # 42704

Job: (160273) -Belle Grove Addition -HOUSE ACCOUNT / CJ1A

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 #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.

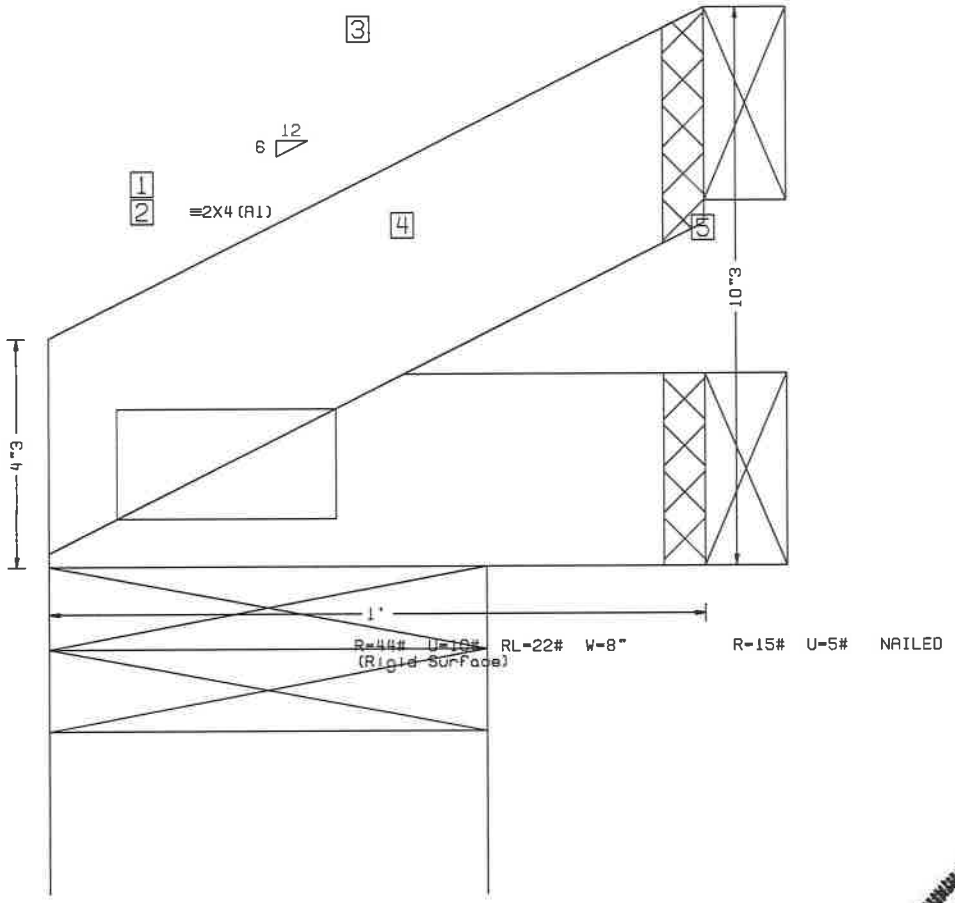
Maximum forces

Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp	Endpts	Tens	Comp
3- 6	9	33	1- 3	2	42	4- 5	0	0	2- 4	2	10

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=1.50.



PLT. TYP.-WAVE

DESIGN CRIT=FBC2014RES/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 15.02.00C.1217

SCALE =3.6104

SEQ = 360072

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

WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.

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For more information see this job's general notes page and these web sites:
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LICENSE
No. 42704
STATE OF FLORIDA
PROFESSIONAL ENGINEER
WILLIAM M. RANIERI

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.	1
DUR.FAC.	1.25	JOB #:	160273
SPACING	24.0"	TYPE	JACK

William M. Ranieri, PE FL Lic # 42704

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	

K&M TRUSS, INC.

HRKALOVIC RESIDENCE
4226 BELLE GROVE CT
ORLANDO, FL

JOB#160273 DRAWN MS

M. Ranieri, PE FL Lic # 42704