ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
 Document ID 1UZ1487-Z0123140332

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

Truss Fabricator	Anderson Truss Company
Job Identification	13-209A--Erkinger Home Builders Williamson Residence -- Property ID [illegible] (Property ID
Truss Count	39
Model Code	Florida Building Code 2010
Truss Criteria	FBC2010Com/TPI-2007(STD)
Engineering Software	Alpine Software,Version 12.03.
Structural Engineer of Record	The identity of the structural EOR did not exist as of
Address	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads	Roof - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

William H Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	29238-A1	49'2" Stepdow	13235028	08/23/13
2	29239-A11	49'2" Specia	13235011	08/23/13
3	29240-A2	49'2" Stepdow	13235029	08/23/13
4	29241-A3	49'2" Stepdow	13235016	08/23/13
5	29242-A4	49'2" Stepdow	13235001	08/23/13
6	29243-A5	49'2" Special	13235022	08/23/13
7	29244-A6	49'2" Special	13235023	08/23/13
8	29245-A7	49'2" Special	13235024	08/23/13
9	29246-A8	49'2" Special	13235021	08/23/13
10	29247-A9	49'2" Special	13235012	08/23/13
11	29248-A10	49'2" Specia	13235013	08/23/13
12	29249--CJ1	1' Jack	13235017	08/23/13
13	29250--CJ3	3' Jack	13235007	08/23/13
14	29251--CJ5	5' Jack	13235003	08/23/13
15	29252--CJ5A	5' Jack	13235014	08/23/13
16	29253-EJ3	2'10" End Ja	13235015	08/23/13
17	29254-EJ3G	2'10" End J	13235016	08/23/13
18	29255--EJ7	7' End Jack	13235026	08/23/13
19	29256-H11	49'2" Stepdo	13235006	08/23/13
20	29257-H13	49'2" Stepdo	13235008	08/23/13
21	29258-H15	49'2" Stepdo	13235009	08/23/13
22	29259-H17	49'2" Stepdo	13235010	08/23/13
23	29260-H19	49'2" Stepdo	13235011	08/23/13
24	29261-H21	49'2" Stepdo	13235012	08/23/13
25	29262-H7	49'2" Stepdow	13235020	08/23/13
26	29263-H7A	36'9" Stepdo	13235015	08/23/13
27	29264-H8A	36'9" Stepdo	13235013	08/23/13
28	29265-H9	49'2" Stepdow	13235005	08/23/13
29	29266-HJ3	4'0"1 Hip Ja	13235017	08/23/13
30	29267-HJ7	9'10"13 Hip	13235030	08/23/13
31	29268-HJ7A	9'10"13 Hip	13235018	08/23/13
32	29269-PBA1	9'9"15 Comm	13235027	08/23/13
33	29270-PBA2	9'9"15 Step	13235004	08/23/13
34	29271-PBA4	15'1"14 Ste	13235014	08/23/13
35	29272-PBA5	15'1"14 Ste	13235025	08/23/13
36	29273-PBA6	15'1"14 Ste	13235018	08/23/13
37	29274-PBA7	15'1"14 Spe	13235019	08/23/13
38	29275-PBA8	15'5"10 Spe	13235002	08/23/13
39	29276-PBA9	6'3"14 Step	13235031	08/23/13

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A1 49'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -312# MAX (See below) from a non-wind load case requires uplift connection

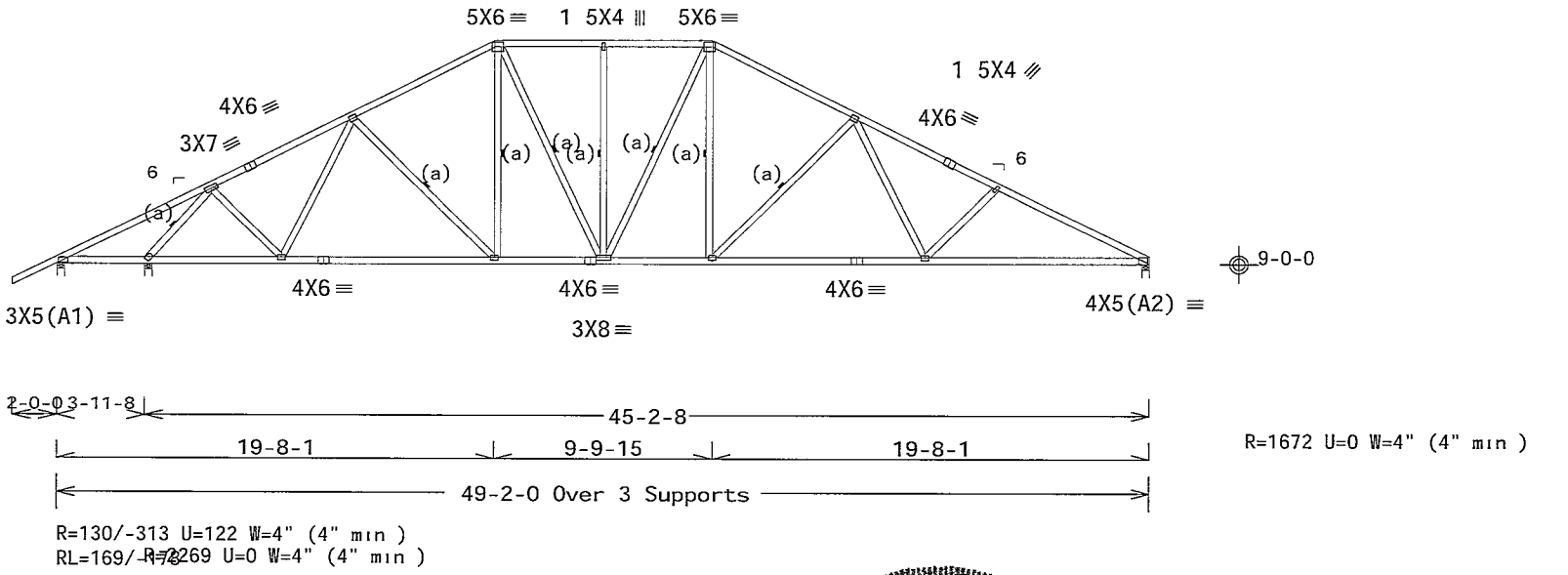
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING' note below



Note All Plates Are 3X4 Except As Shown

Design Crit. FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) QTY:9 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care in fabricating handling sh pp ng nstall ng and brac ng refer to and follow the latest ed t on of BCSI (Bu lding Component Safety Informat on by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rig d ce ling Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstallat on & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Detai s unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A seal on this drawing or cover page l st ng this draw ng ind cates acceptance of professional engineering responsibility solely for the des gn shown The su tab lity and use of this design for any structure is the responsibility of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s design general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29238
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235028
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	311389
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A11 49'2' Special Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A W5, W19 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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Brg blocks 0 131"x3", min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	10 000'	1	12"	5	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

Negative reaction(s) of -1041# MAX (See below) from a non-wind load case requires uplift connection

Wind loads and reactions based on MWFRS

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Calculated vertical deflection is 0 45 due to live load and 0 69" due to dead load at X = 37-9-8

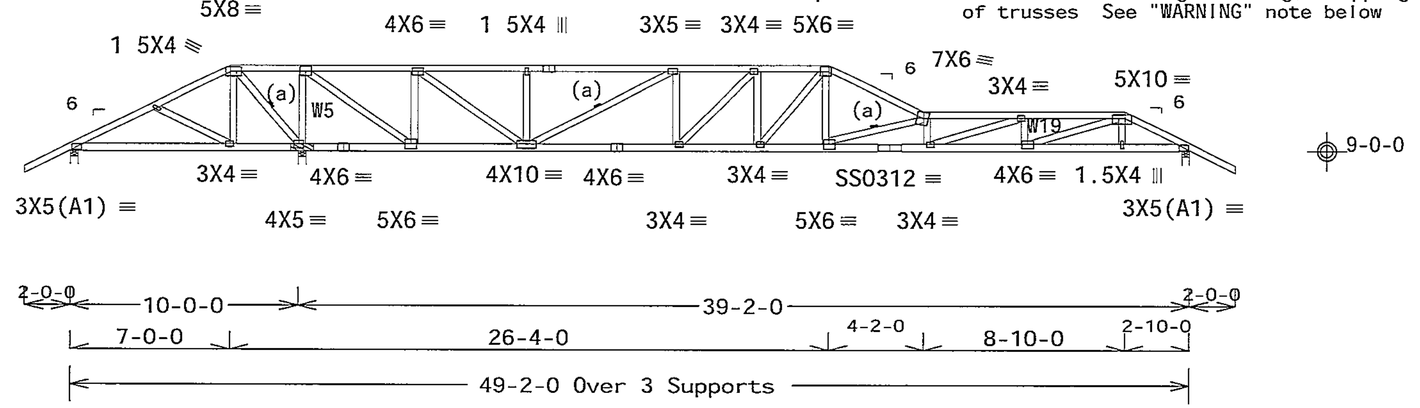
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -2 00 to 56 plf at 7 00
TC- From 56 plf at 7 00 to 56 plf at 33 33
TC- From 56 plf at 33 33 to 56 plf at 37 50
TC- From 56 plf at 37 50 to 56 plf at 46 33
TC- From 56 plf at 46 33 to 56 plf at 51 17
BC- From 4 plf at -2 00 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 49 17
BC- From 4 plf at 49 17 to 4 plf at 51 17
TC- 239 08 lb Conc Load at 7 03
TC- 163 57 lb Conc Load at 9 06
TC- 37 42 lb Conc Load at 40 40,42 27,44 27
TC- -23 34 lb Conc Load at 46 30
BC- 247 55 lb Conc Load at 7 03
BC- 75 48 lb Conc Load at 9 06
BC- 12 66 lb Conc Load at 40 40,42 27,44 27
BC- -32 00 lb Conc Load at 46 30

120 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 B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

(a) Continuous lateral bracing equally spaced on member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

WARNING Furnish a copy of this DWG to the installation contractor
Special care must be taken during handling, shipping and installation of trusses See "WARNING" note below



R=-1042 Rw=26 U=0 W=4"

R=4233 U=251 W=4

R=1319 U=147 W=4

PLT TYP 18 Gauge HS,Wave

Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.0 QTY.1 FL/-/3/-/-/R/-

Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cating handl ng sh pp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page l ist ng th s draw ng nd cates acceptance of professional engineering responsibility solely for the design shown The su tab lity and use of this design for any structure is the responsib l ty of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job's general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF R487-- 29239
TC DL	7.0 PSF	DATE 08/23/13
BC DL	10.0 PSF	DRW HCUSR487 13235011
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEQN- 317302
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UZ1487_Z01

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 30 00 ft from roof edge

Negative reaction(s) of -303# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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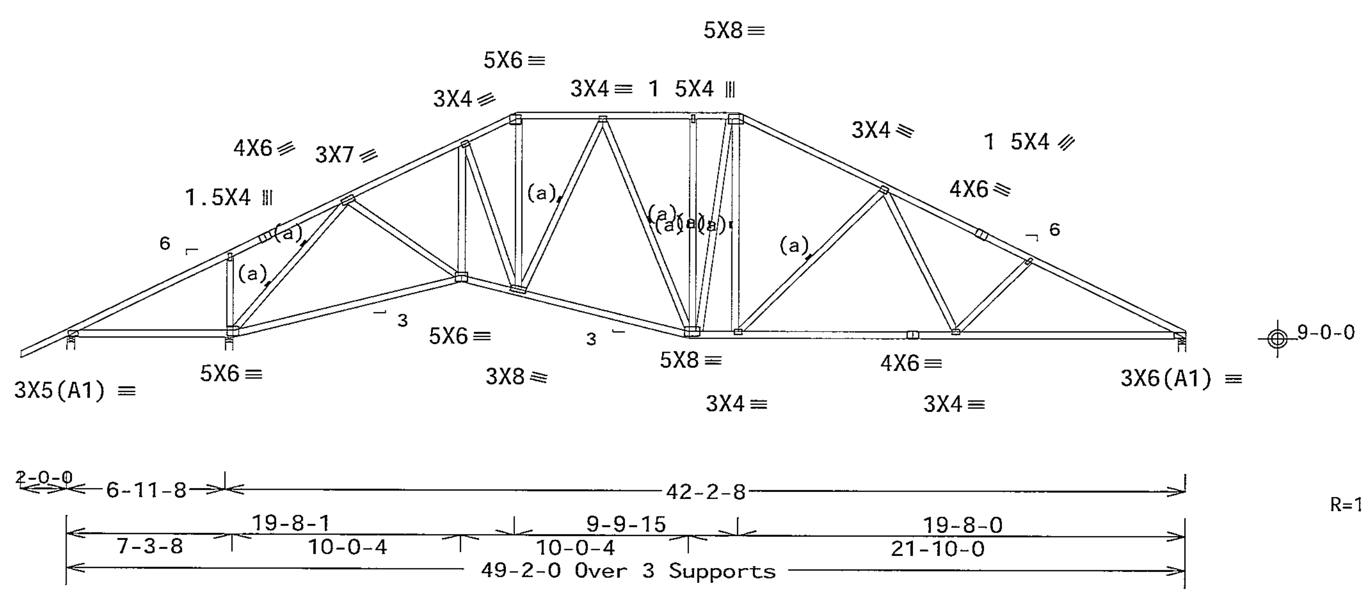

R=1511 U=0 W=4' (4' min)

R=199/-303 U=89 W=4' (4" min)
RL=169/-178 R=2395 U=0 W=4' (4 min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0) 13 03 04 03 5 14 QTY:3 FL/-/3/-/-/R/- Scale =.125"/Ft.

PLT TYP Wave

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Orlando FL, 32837
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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions 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 design 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 ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29240
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235029
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	311390
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID   23-5S-15- - A3 49 2' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -321# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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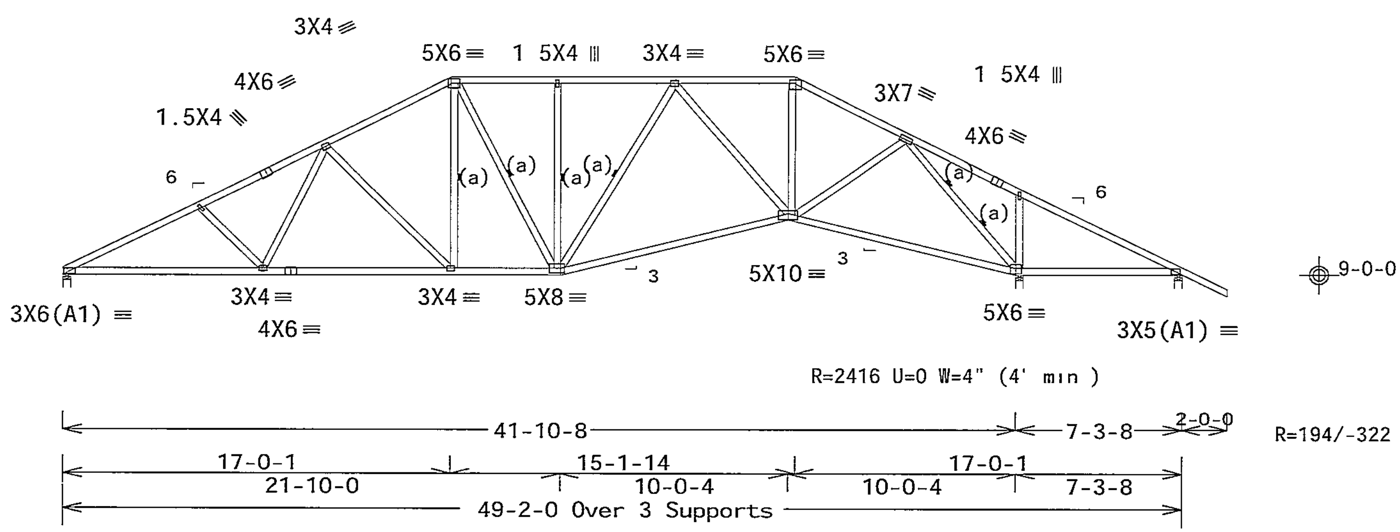

Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

12.03.0 ... QTY:3 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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Trusses require extreme care in fabricat ng handling shipping installing and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety practices prior to performing these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached r gid ceiling Locations shown for permanent lateral restra nt of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos t ons A seal on this drawing or cover page listing this drawing nd cates acceptance of profess onal eng neer ng responsibility solely for the des gn shown The suitabil ty and use of th s des gn for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see This job's general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29241
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235016
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	311391
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A4 49 2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -329# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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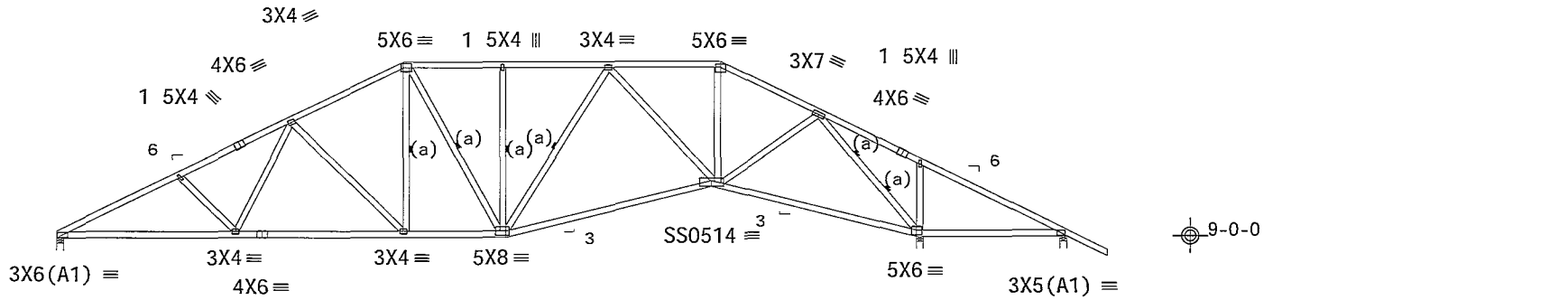

Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
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Orlando FL, 32837
FL COA #0 278

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08/23/2013

TC LL	20.0 PSF	REF	R487-- 29242
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	311392
DUR.FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A5 49 2 Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -354# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

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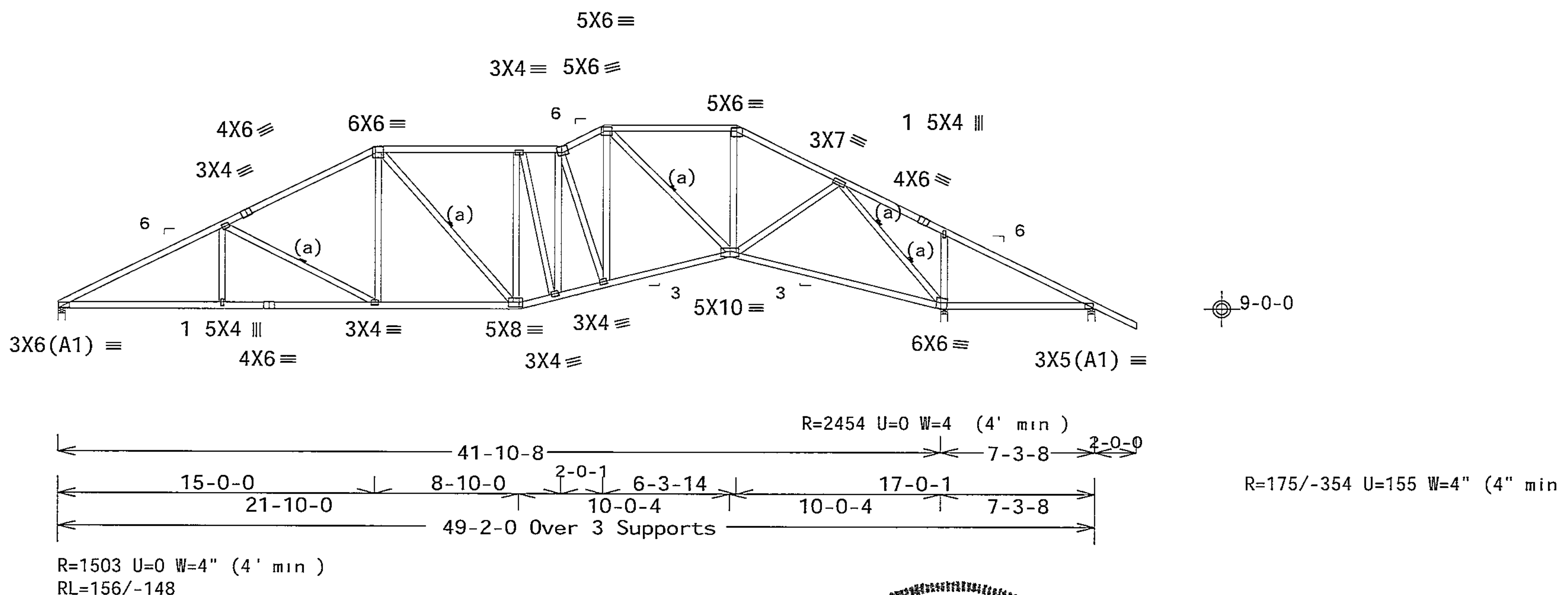


PLT TYP. Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cating handling sh pp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ce l ng Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this design any failure to bu ld the truss n conformance with ANSI/TPI 1 or for handling shipp ng installation bracing of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page listing this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The su tab lity and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see This job's general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29243
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235022
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311393
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A6 49 2 Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -378# MAX (See below) from a non-wind load case requires uplift connection

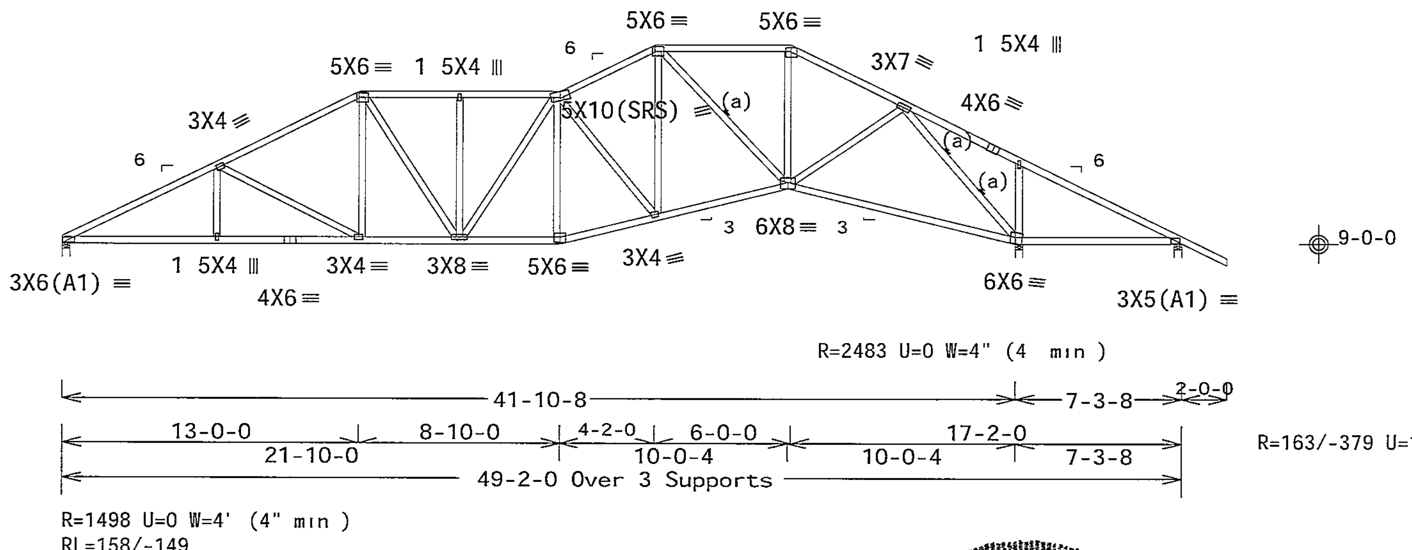
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See 'WARNING" note below



PLT TYP Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

13 03 04 0326514 QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29244
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235023
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	311394
DUR.FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A7 49'2" Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING' note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

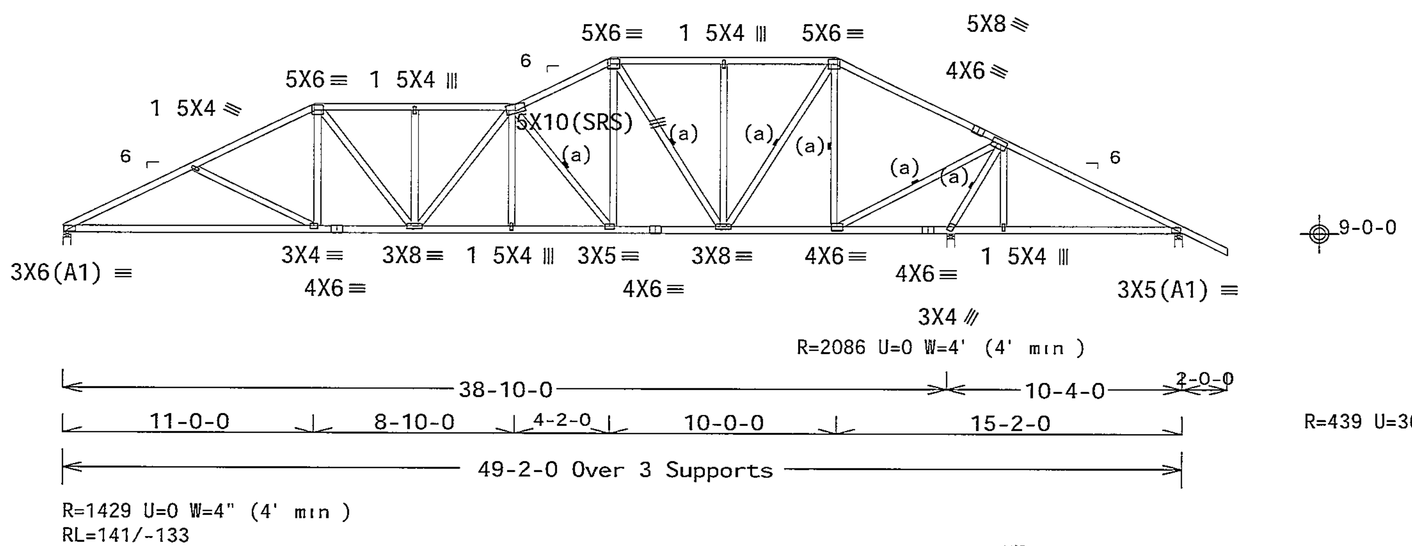
Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge



Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0) 12.03.04.0328.14 QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

PLT TYP Wave

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care n fabricating handling shipping install ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF R487-- 29245
TC DL	7.0 PSF	DATE 08/23/13
BC DL	10.0 PSF	DRW HCUSR487 13235024
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 311395
DUR.FAC.	1.25	
SPACING	24 0"	JREF- 1UZ1487_Z01

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A8 49 2" Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge

Negative reaction(s) of -332# MAX (See below) from a non-wind load case requires uplift connection

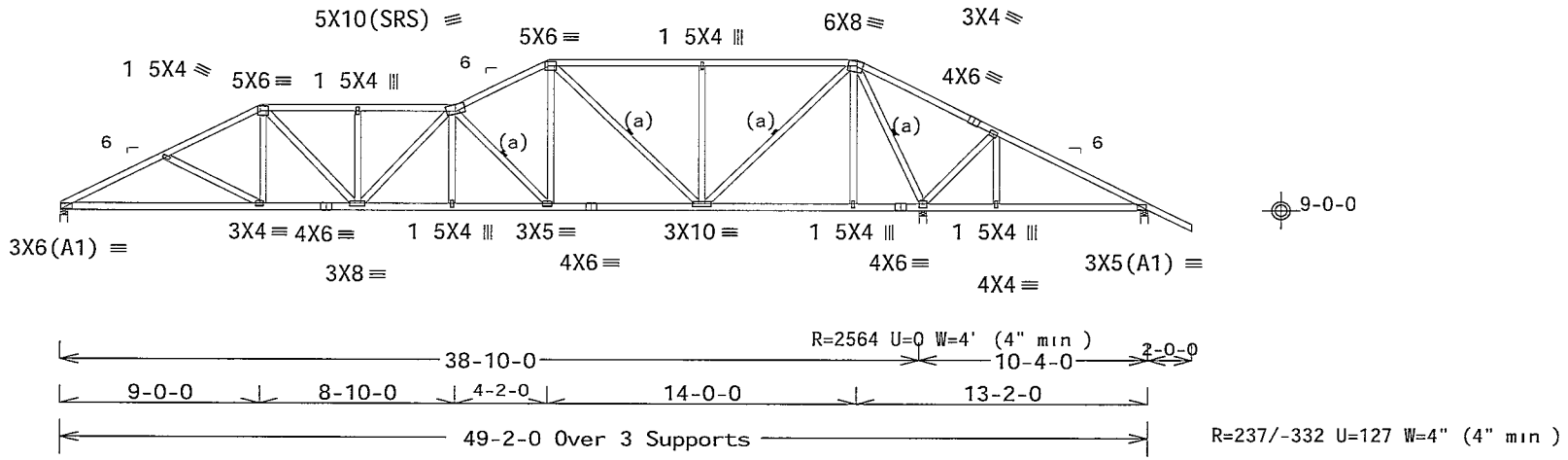
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING" note below



Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP Wave

FT/RT=10%(0%)/0(0)

12-03-02-0326.14

QTY:1

FL/-/3/-/-/R/-

Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care in fabr cat ng hand ng shipp ng nstalling and bracing Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRUCK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/23/2013

TC LL	20 0 PSF	REF	R487-- 29246
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235021
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311396
DUR.FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A9 49'2" Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of -414# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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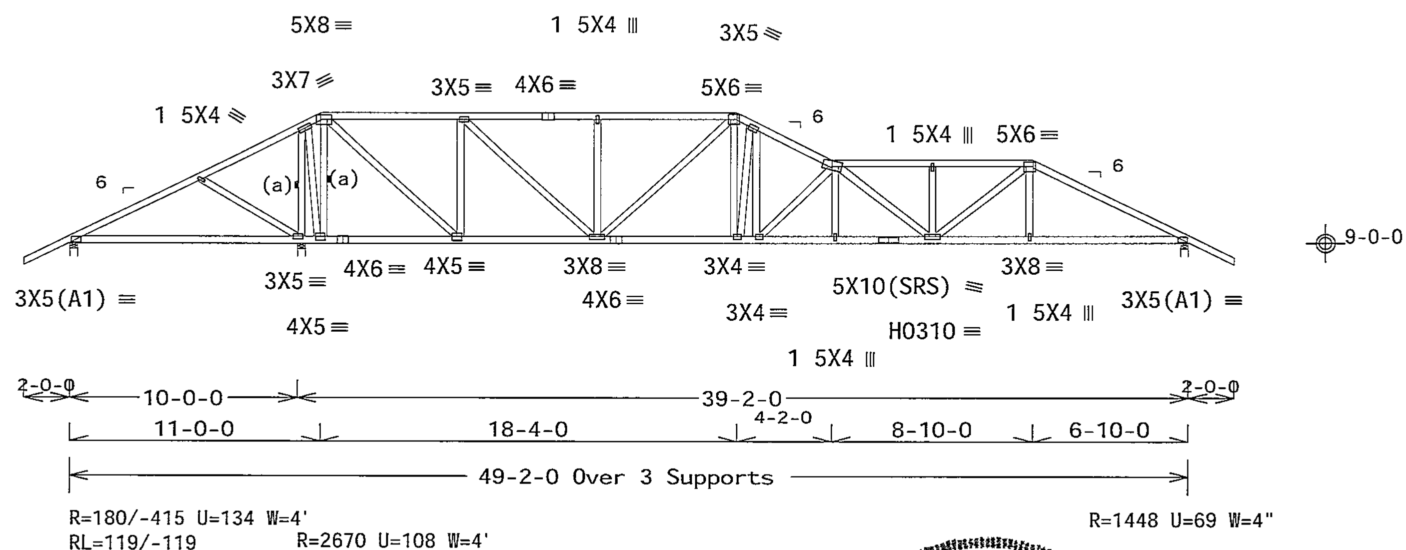

Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP 20 Gauge HS,Wave

QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF
TC DL	7 0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT LD	37 0 PSF
DUR.FAC.	1 25
SPACING	24 0"

REF	R487-- 29247
DATE	08/23/13
DRW	HCUSR487 13235012
HC-ENG	WHK/WHK
SEQN-	317271
JREF-	1UZ1487_Z01

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - A10 49 2' Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with '12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of -809# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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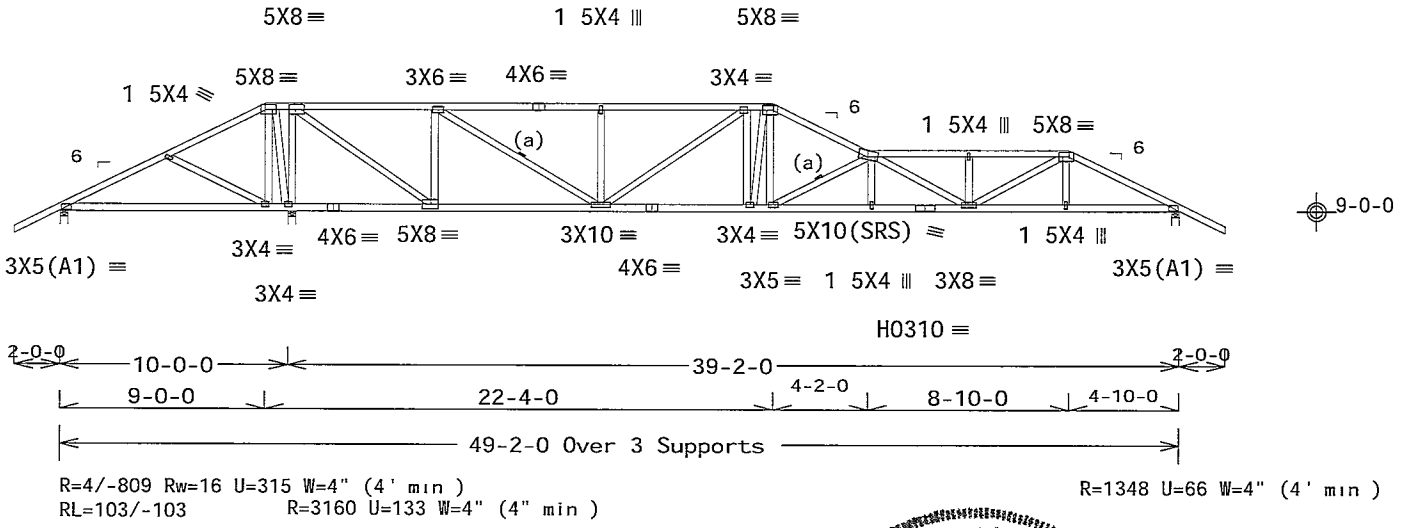

R=4/-809 Rw=16 U=315 W=4" (4' min)
RL=103/-103 R=3160 U=133 W=4" (4" min)

R=1348 U=66 W=4" (4' min)

Design Crit. FBC2010Com/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) QTY·1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29248
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235013
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	317276
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - CJ1 1 Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A use design values approved 1/5/2012 by ALSC

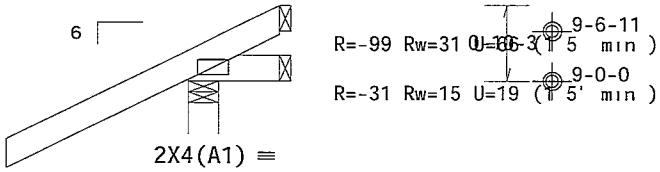
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

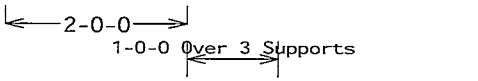
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Bot chord





R=326 U=57 W=4 (4" min)
RL=24/-20

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY:14 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF R487-- 29249
TC DL	7 0 PSF	DATE 08/23/13
BC DL	10 0 PSF	DRW HCUSR487 13235017
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37 0 PSF	SEQN- 311397
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - CJ3 3 Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A use design values approved 1/5/2012 by ALSC

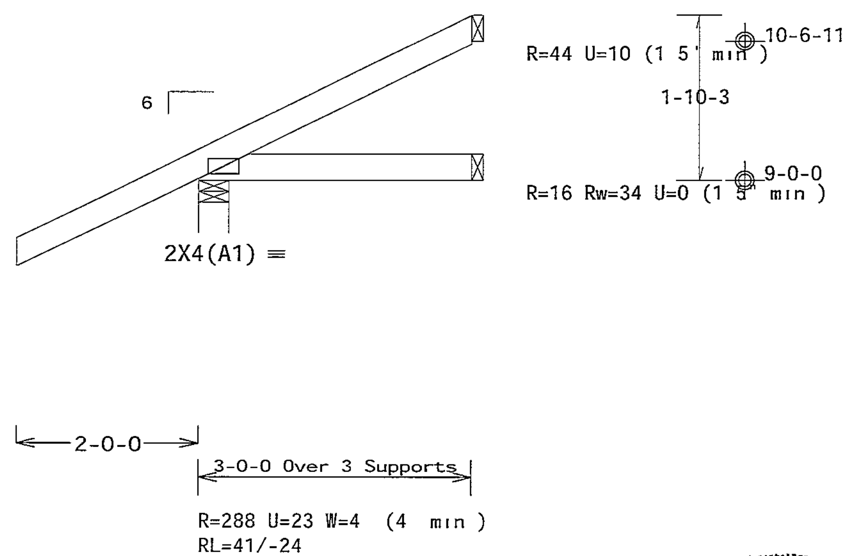
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 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/180 total load Creep increase factor for dead load is 1 50

Provide (2) 16d common nails(0 162"x3 5'), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5'), toe nailed at Bot chord



PLT TYP Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0) 12 03 04 0328 14 QTY.12 FL/-/3/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care n fabricat ng handling sh pp ng install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling shipping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page l st ng th s drawing nd cates acceptance of profess ona engineering responsib lity solely for the design shown The su tab lity and use of th s des gn for any structure is the responsib l ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more information see This job's general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29250
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235007
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	311398
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - CJ5 5' Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with '12A" use design values approved 1/5/2012 by ALSC

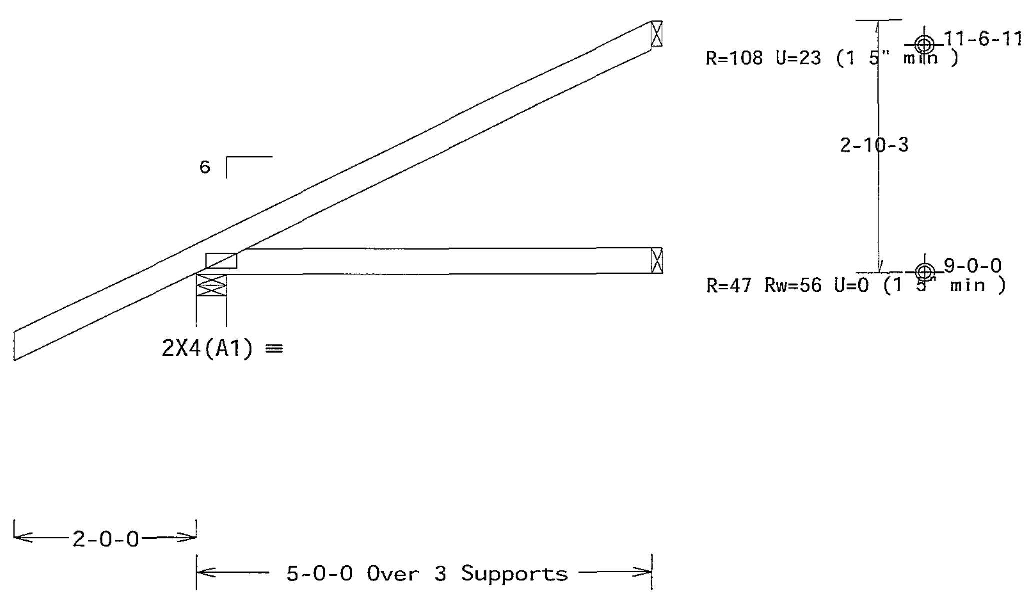
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

120 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 B, wind TC DL=3 5 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/180 total load Creep increase factor for dead load is 1 50

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

12.03.04.0326.14 QTY 11 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions 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 design 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 ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29251
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	311399
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - CJ5A 5 Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

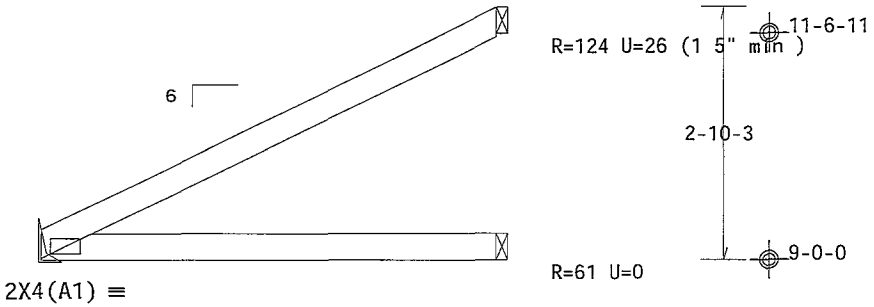
Provide (2) 16d common nails(0 162 x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5'), toe nailed at Bot chord

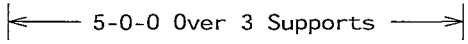
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

These hangers and support conditions used at bearings indicated
(H1) = Simpson
(H2) = (J) Hanger not calculated
(H3) = (J) Hanger not calculated

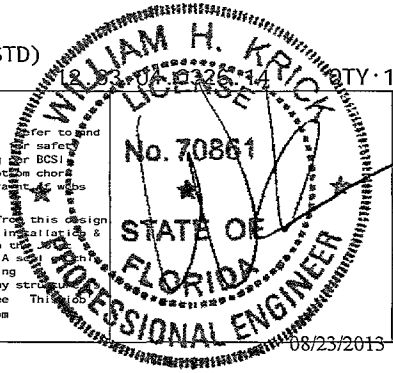




R=194 U=0
RL=41
H=H1

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



08/23/2013

QTY·1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care n fabricat ng handling sh pping installing and brac ng Refer to and follow the latest ed tion of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as applicable

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TC LL	20 0 PSF	REF	R487-- 29252
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	317279
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - EJ3 2 10' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A use design values approved 1/5/2012 by ALSC

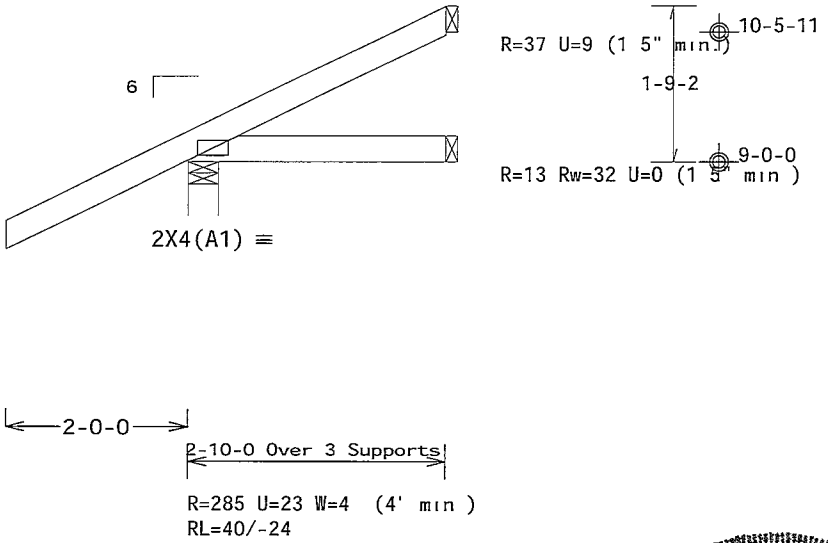
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 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/180 total load Creep increase factor for dead load is 1 50

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) QTY·3 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cating handl ng sh pp ng install ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ing Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng sh pping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the drawing Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A sl gnat draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal engineer ng responsibil ty solely for the des gn shown The su tabil ty and use of th s des gn for any struc ure the responsibil ty of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more information see Th s ndu general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSED No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29253
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235015
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	317278
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - EJ3G 2'10 End Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

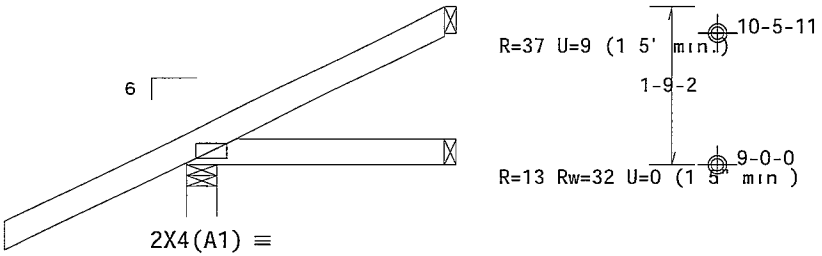
Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 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/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge



Design Crit. FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) QTY:1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any fa lure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng installation & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the indiv dual Details unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A sepa ate drawing or cover page list ng this draw ng indicates acceptance of professional engineering responsibility solely for the design shown The su tab lity and use of this design for any str cture is the responsibility of the Building Des gner per ANSI/TPI 1 Sec 2 For more informat on see This job general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29254
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235016
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	317277
DUR.FAC	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - EJ7 7' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

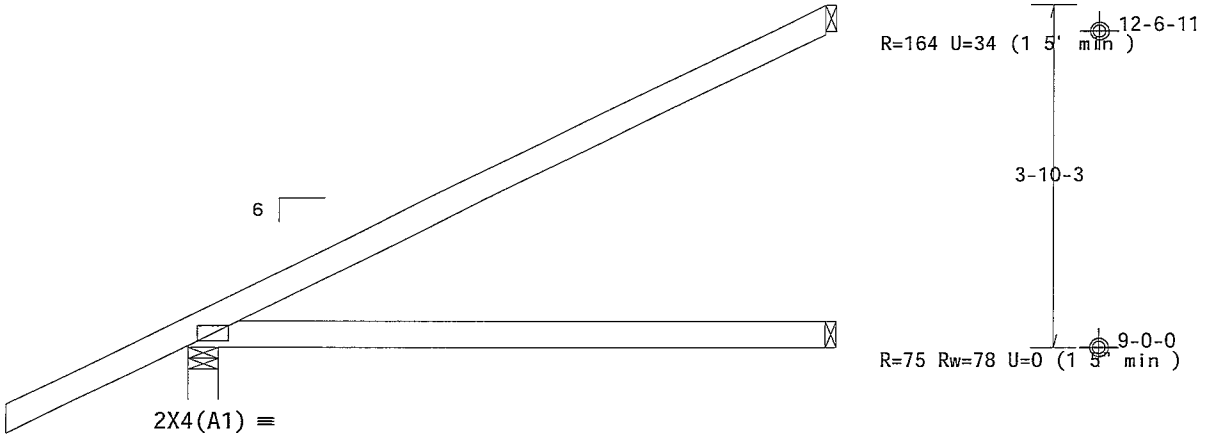
Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5"), toe nailed at Bot chord

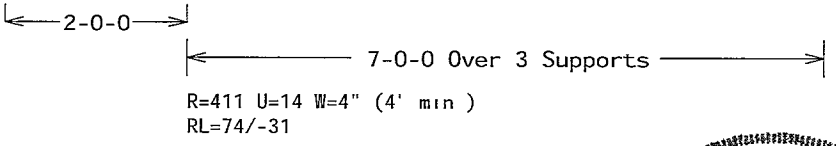
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge

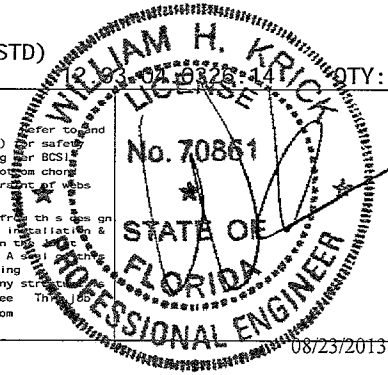




R=411 U=14 W=4" (4' min)
RL=74/-31

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



08/23/2013

QTY:47 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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TC LL	20.0 PSF	REF	R487-- 29255
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235026
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	311400
DUR.FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H11 49'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of -193# MAX (See below) from a non-wind load case requires uplift connection

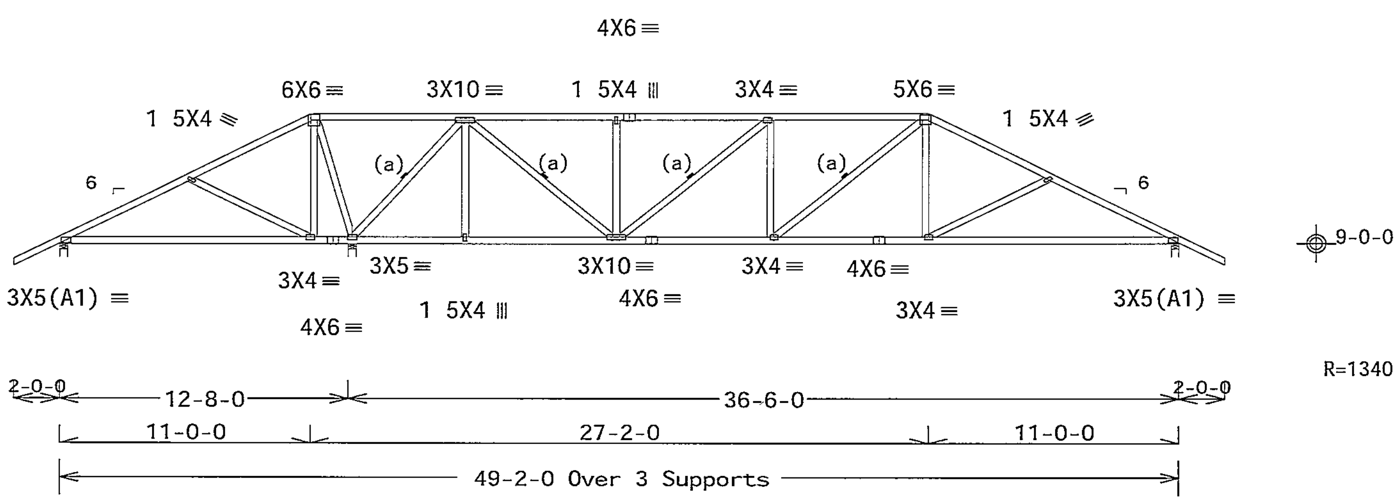
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING" note below



R=1340 U=60 W=4" (4" min)

R=370/-193 U=28 W=4" (4' min)
RL=119/-119

R=2515 U=118 W=4' (4" min)

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY:1

FL/-/3/-/-/R/-

Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29256
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235006
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	311403
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H13 49'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING' note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

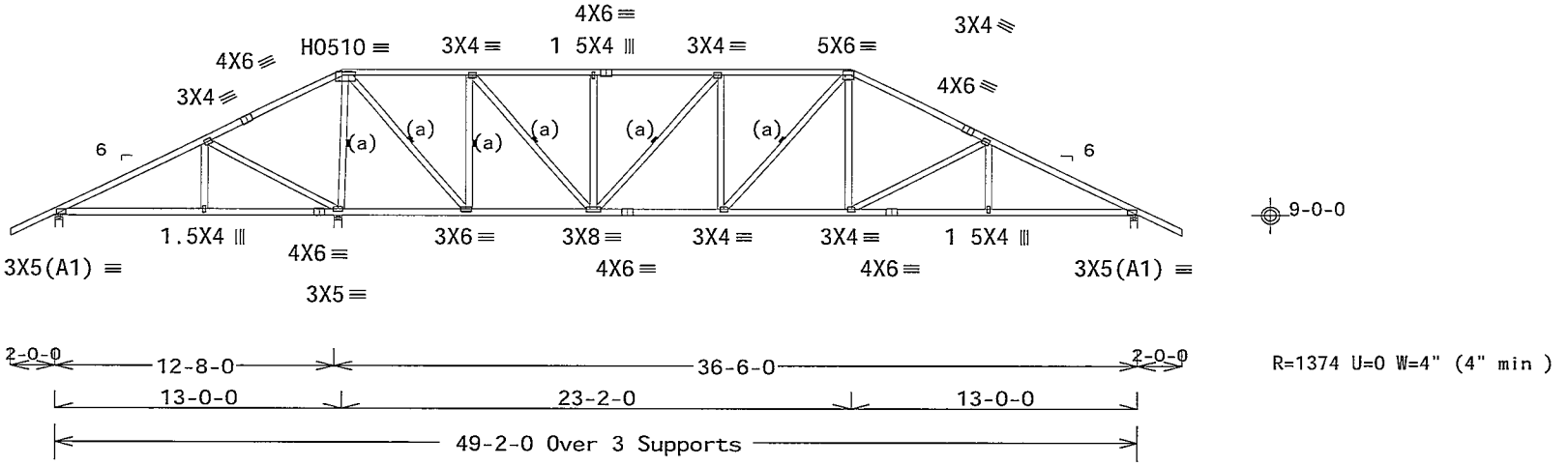
Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge



R=1374 U=0 W=4" (4" min)

R=392 U=20 W=4" (4 min)
RL=135/-135

R=2385 U=0 W=4" (4 min)

Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care n fabricating handling sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chords shall have a properly attached r g d ce l ing Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pping nstallation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the JOB Data Is unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A sol d l n draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal engineering responsibil ty solely for the des gn shown The su tab l ity and use of this des gn for any struc the responsib l ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more informat on see This job general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29257
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235008
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	311438
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H15 49'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See WARNING" note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

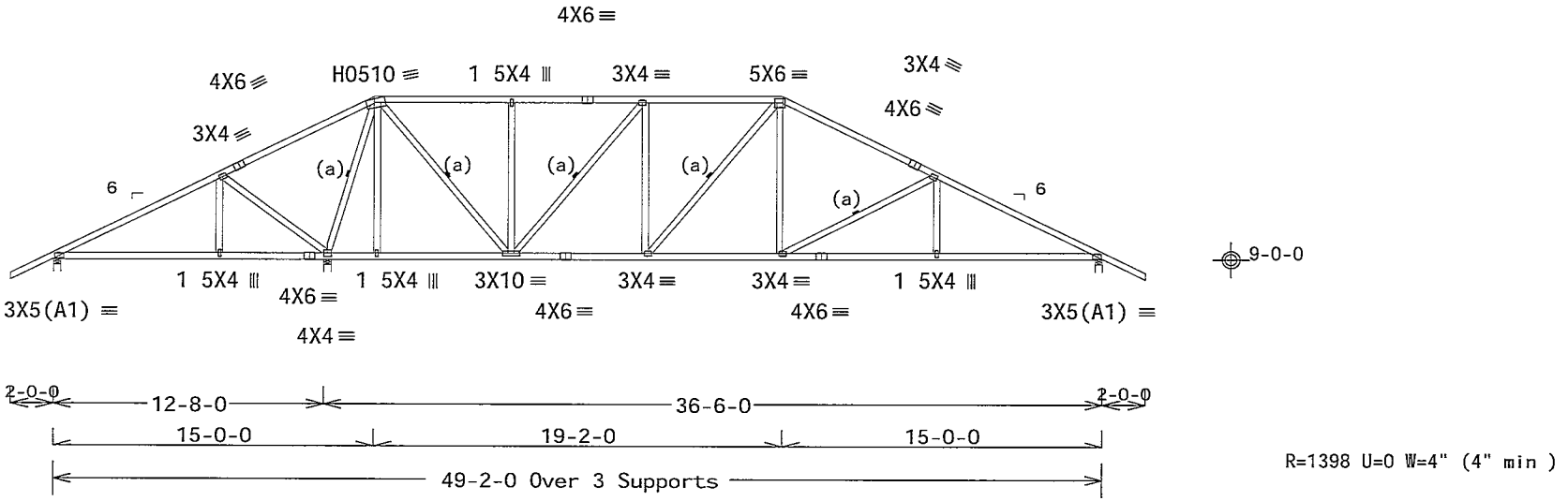
Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge



Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) QTY.1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/23/2013

TC LL	20 0 PSF	REF R487-- 29258
TC DL	7 0 PSF	DATE 08/23/13
BC DL	10 0 PSF	DRW HCUSR487 13235009
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37 0 PSF	SEQN- 311405
DUR.FAC	1 25	
SPACING	24 0"	JREF- 1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H17 49 2 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING" note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

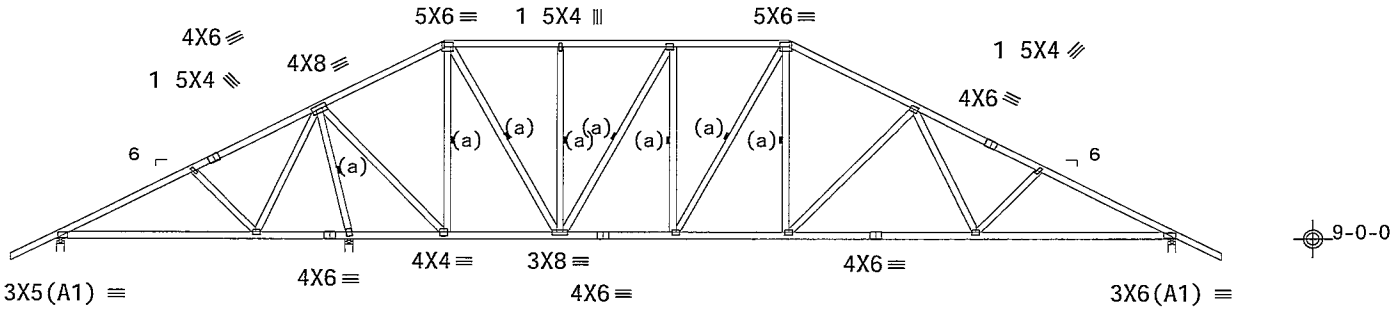
Wind loads and reactions based on MWFRS with additional C&C member design

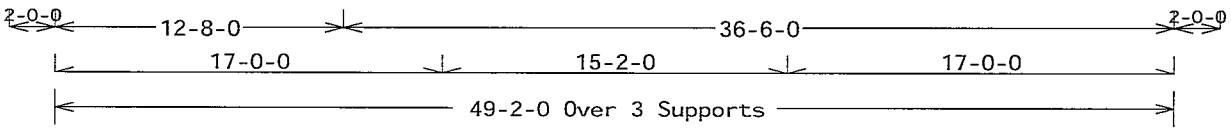
(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge





R=1452 U=0 W=4" (4" min)

R=508 U=0 W=4' (4 min)
RL=168/-168

R=2083 U=0 W=4" (4 min)

Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP Wave

FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29259
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	311406
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H19 49'2' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See 'WARNING" note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

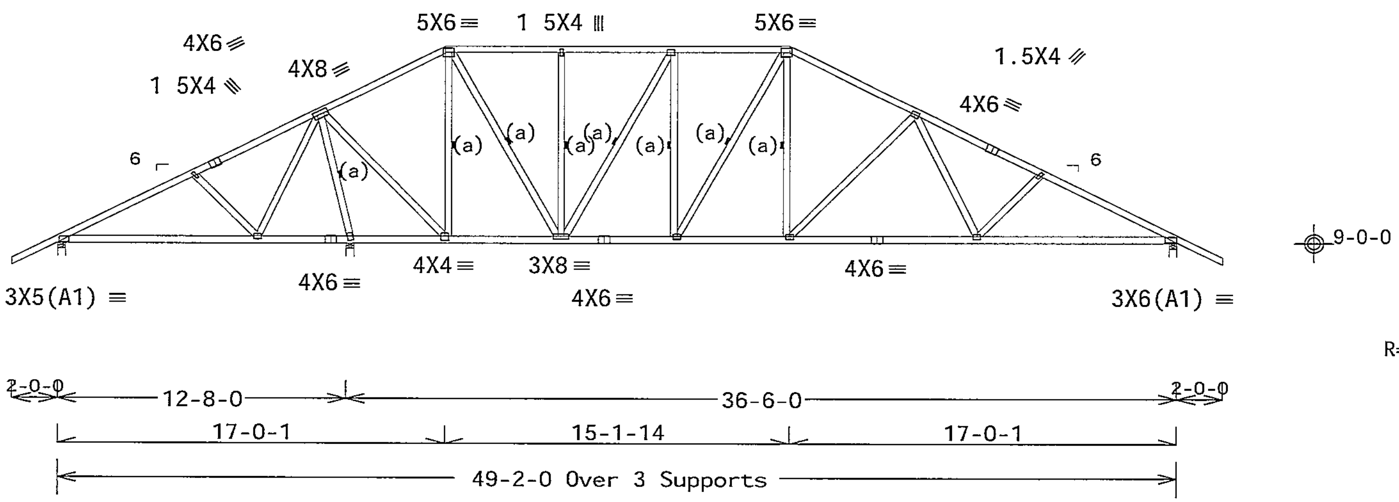
Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge



R=1452 U=0 W=4" (4' min)

R=508 U=0 W=4' (4" min)
RL=168/-168

R=2083 U=0 W=4 (4" min)

Note· All Plates Are 3X4 Except As Shown

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

12.63.0 ... QTY·1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

08/23/2013

TC LL	20.0 PSF	REF	R487-- 29260
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235011
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	311407
DUR.FAC.	1 25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H21 49 2 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING" note below

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

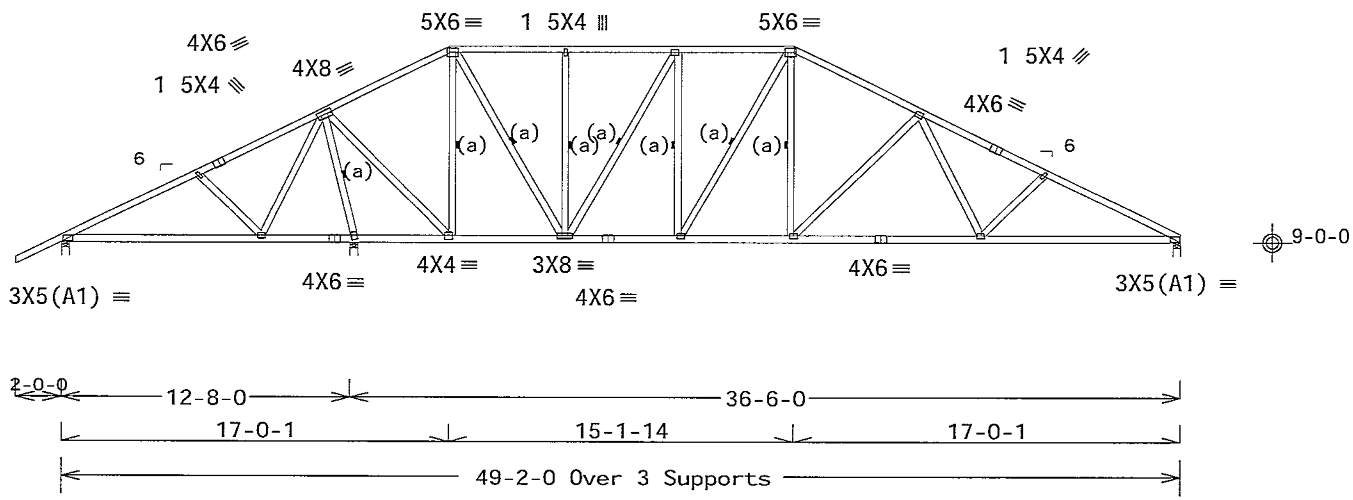
Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge



R=1329 U=0 W=4' (4" min)

R=509 U=0 W=4" (4' min)
RL=148/-157

R=2083 U=0 W=4 (4 min)

Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29261
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235012
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	311408
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H7 49 2" Stepdown Hip Girder)

Top chord 2x4 SP 2850f-2 3E T1 T5 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A B3 2x4 SP 2850f-2 3E
Webs 2x4 SP_#3__12A W5 2x6 SP_#2_12A
W7 2x4 SP_#1_12A
Rt Splice Block 2x4 SP_#3__12A

Lumber grades designated with 12A use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction the building designer and the project owner

Brg blocks 0 131 x3 min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	12 667	1	23	16	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

Negative reaction(s) of -668# MAX (See below) from a non-wind load case requires uplift connection

120 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 B wind TC DL=3 5 psf wind BC DL=5 0 psf GCpi(+/-)=0 18

In lieu of structural panels use purlins to brace all flat TC @ 24 OC

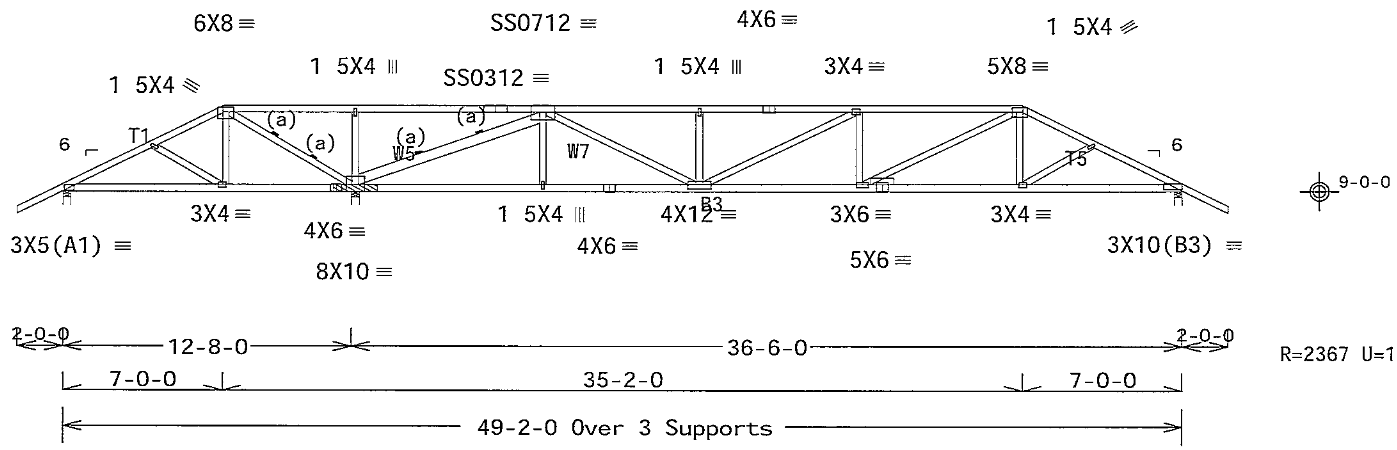
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -2 00 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 19 00
TC- From 28 plf at 19 00 to 28 plf at 31 00
TC- From 28 plf at 31 00 to 28 plf at 42 17
TC- From 56 plf at 42 17 to 56 plf at 51 17
BC- From 4 plf at -2 00 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 12 00
BC- From 10 plf at 12 00 to 10 plf at 24 00
BC- From 10 plf at 24 00 to 10 plf at 36 00
BC- From 10 plf at 36 00 to 10 plf at 42 14
BC- From 20 plf at 42 14 to 20 plf at 49 17
BC- From 4 plf at 49 17 to 4 plf at 51 17
TC- 239 08 lb Conc Load at 7 03 42 14
TC- 163 57 lb Conc Load at 9 06 11 06,13 06 15 06 17 06 19 06,21 06,23 06 24 58,26 10,28 10,30 10,32 10 34 10,36 10 38 10,40 10
BC- 247 55 lb Conc Load at 7 03 42 14
BC- 75 48 lb Conc Load at 9 06,11 06 13 06 15 06 17 06,19 06 21 06 23 06 24 58 26 10,28 10 30 10 32 10 34 10 36 10 38 10,40 10

Wind loads and reactions based on MWFRS

(a) Continuous lateral bracing equally spaced on member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See WARNING note below



R=2367 U=178 W=4" (4" min)

R=-669 Rw=14 U=0 W=4' (4" min)
R=5671 U=399 W=4 (4' min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. 18 Gauge HS,Wave

12 03-04 0326 14 QTY 1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29262
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235020
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311433
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H7A 36'9" Stepdown Hip Girder)

Top chord 2x4 SP_#1_12A T2, T3 2x4 SP 2850f-2 3E
Bot chord 2x4 SP 2850f-2 3E
Webs 2x4 SP_#3__12A W2, W8 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

(++) – This plate works for both joints covered

120 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 B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

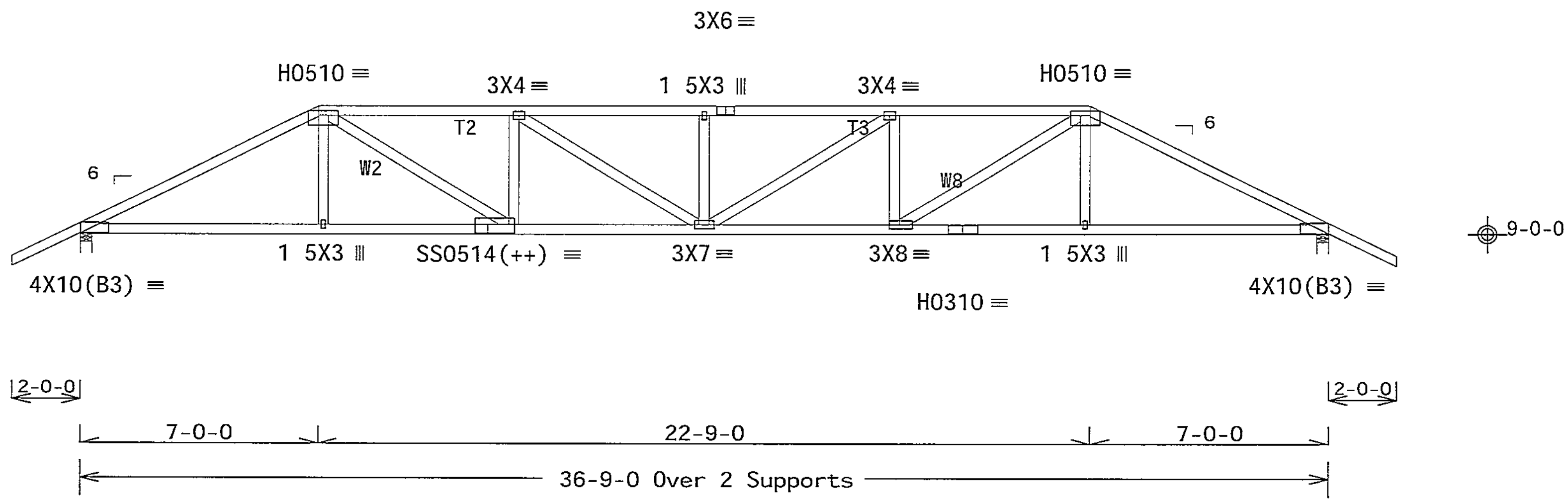
Wind loads and reactions based on MWFRS

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -2 00 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 19 00
TC- From 28 plf at 19 00 to 28 plf at 29 75
TC- From 56 plf at 29 75 to 56 plf at 38 75
BC- From 4 plf at -2 00 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 12 00
BC- From 10 plf at 12 00 to 10 plf at 26 00
BC- From 10 plf at 26 00 to 10 plf at 29 72
BC- From 20 plf at 29 72 to 20 plf at 36 75
BC- From 4 plf at 36 75 to 4 plf at 38 75
TC- 239 08 lb Conc Load at 7 03,29 72
TC- 163 57 lb Conc Load at 9 06,11 06,13 06,15 06
17 06,18 38,19 69,21 69,23 69,25 69,27 69
BC- 247 55 lb Conc Load at 7 03,29 72
BC- 75 48 lb Conc Load at 9 06,11 06,13 06,15 06
17 06,18 38,19 69,21 69,23 69,25 69,27 69

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Calculated vertical deflection is 0 46" due to live load and 0 58" due to dead load at X = 18-4-8



R=2882 U=216 W=4" (4 min)

R=2882 U=216 W=4" (4" min)

PLT TYP. 20 Gauge HS,18 Gauge HS, Wave

Design Crit· FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.02.0328.14 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29263
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235015
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311434
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H8A 36'9" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

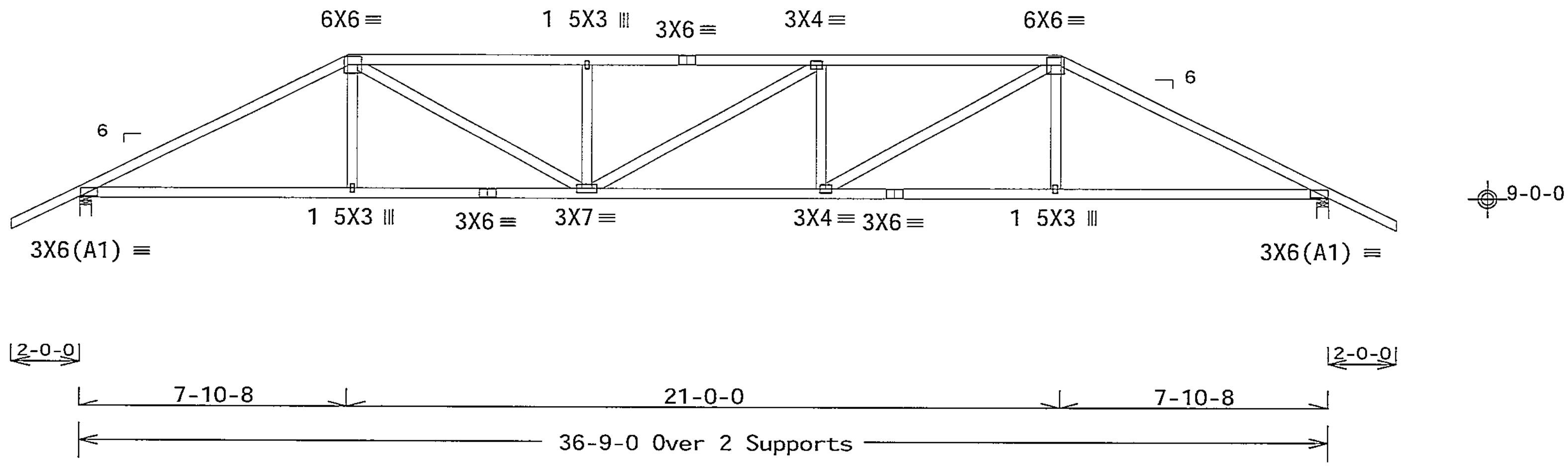
MWFRS loads based on trusses located at least 7 50 ft from roof edge

120 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 B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=1510 U=72 W=4' (4 min)
RL=90/-90

R=1510 U=72 W=4" (4" min)

PLT TYP. Wave

Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/-

Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions 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 design 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 ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29264
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235013
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	311401
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - H9 49'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of -267# MAX (See below) from a non-wind load case requires uplift connection

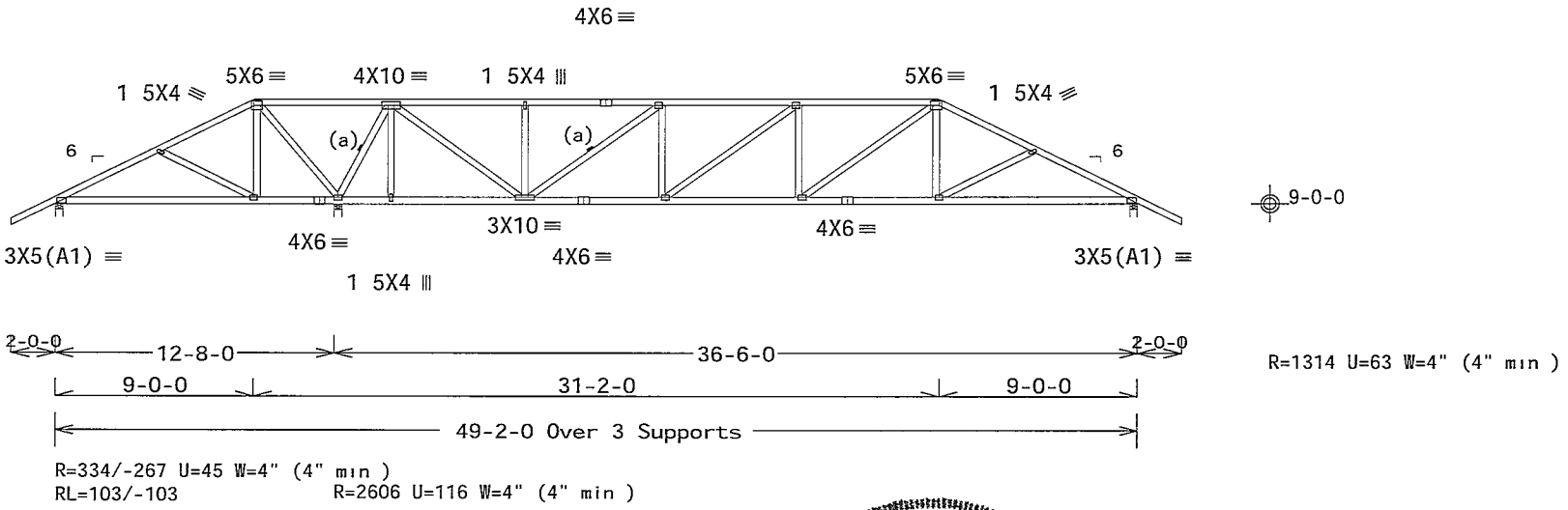
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

WARNING Furnish a copy of this DWG to the installation contractor Special care must be taken during handling, shipping and installation of trusses See "WARNING' note below



R=1314 U=63 W=4" (4" min)

R=334/-267 U=45 W=4" (4" min)
RL=103/-103 R=2606 U=116 W=4" (4" min)

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care n fabricating handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling sh pping nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the design Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal eng neer ng responsib lity solely for the des gn shown The su tab l ty and use of th s des gn for any structure is the responsib l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more information see This job general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29265
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	311402
DUR FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - HJ3 4 0'1 Hip Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

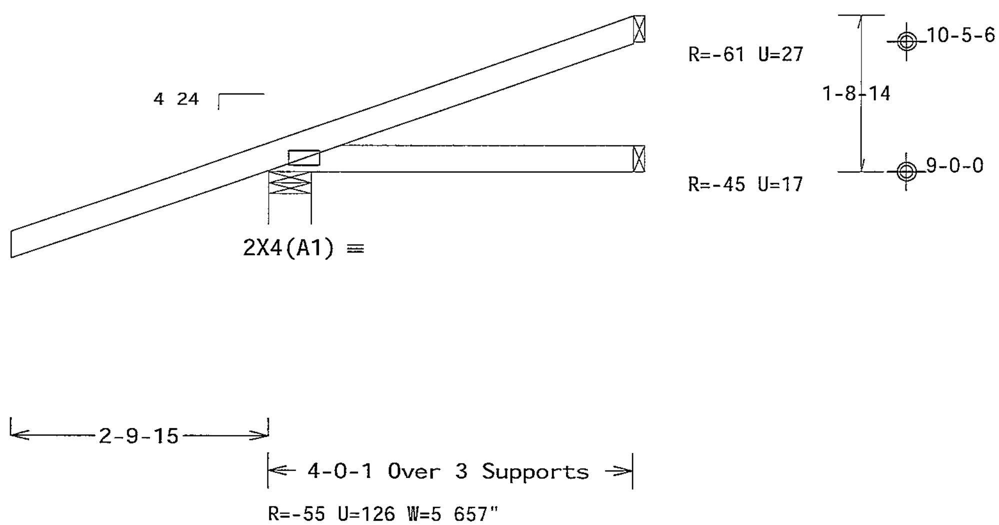
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Provide (2) 16d common nails(0 162'x3 5), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Bot chord



PLT TYP. Wave

Design Crit· FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/- Scale =.5"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions 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 design 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 ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/23/2013

TC LL	20 0 PSF	REF	R487-- 29266
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235017
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	317280
DUR.FAC.	1 25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - HJ7 9 10"13 Hip Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

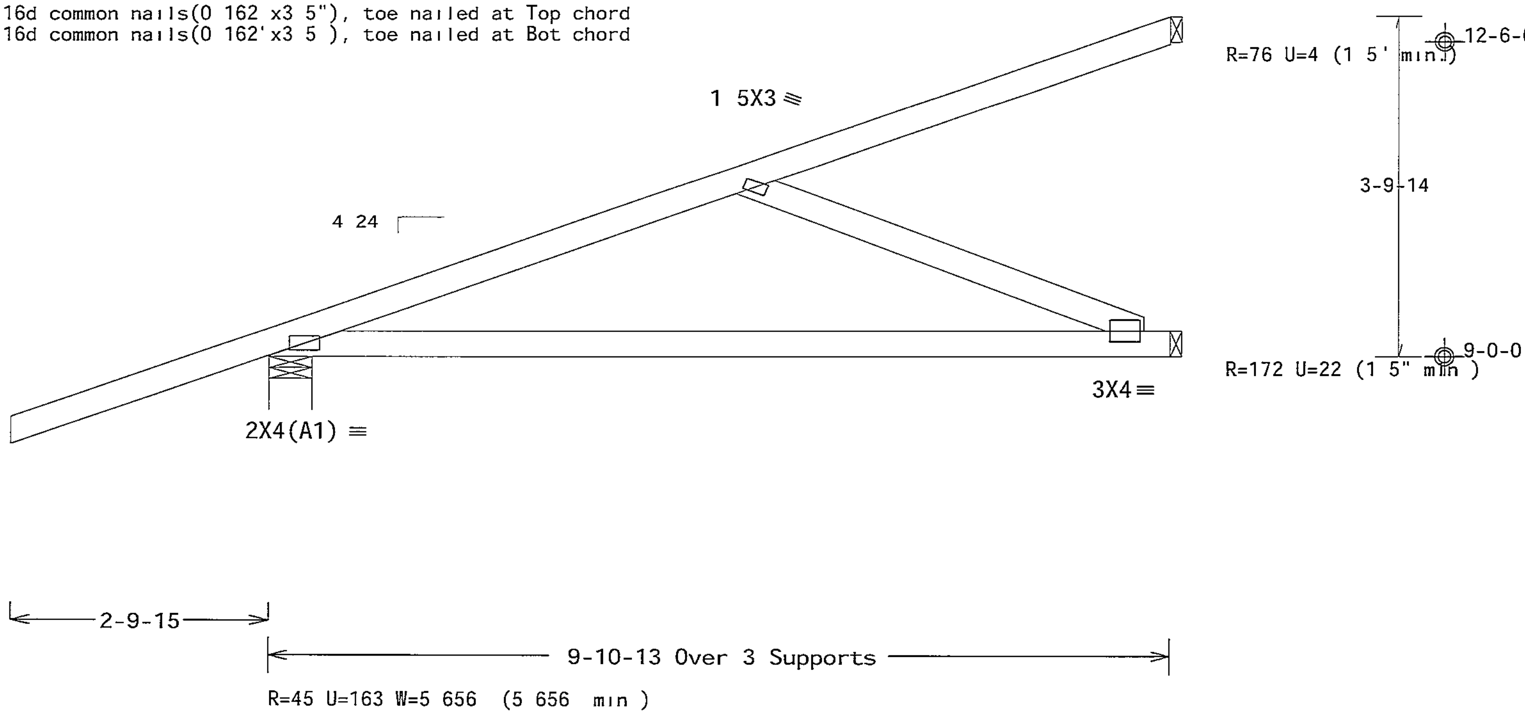
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Provide (2) 16d common nails(0 162 x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5), toe nailed at Bot chord

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 83 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -2 83 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- -198 07 lb Conc Load at 1 48
TC- 87 55 lb Conc Load at 4 31
TC- 215 58 lb Conc Load at 7 13
BC- -61 75 lb Conc Load at 1 48
BC- 31 27 lb Conc Load at 4 31
BC- 94 56 lb Conc Load at 7 13

Wind loads and reactions based on MWFRS

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



PLT TYP. Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

(2.03.0C.0326.14) QTY:5 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/23/2013

TC LL	20.0 PSF	REF	R487-- 29267
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235030
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	311428
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - HJ7A 9 10 13 Hip Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

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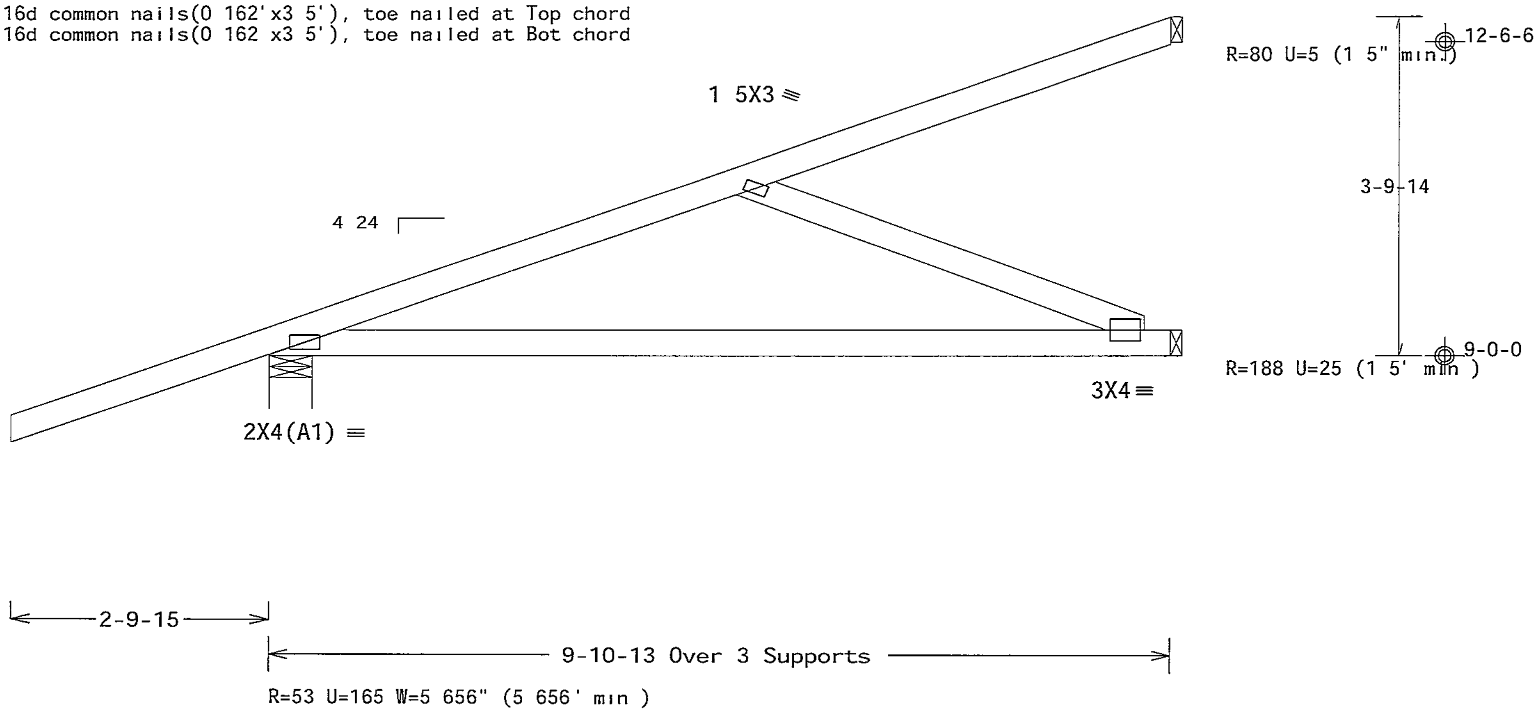
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Top chord
Provide (2) 16d common nails(0 162 x3 5'), toe nailed at Bot chord

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 83 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -2 83 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- -198 07 lb Conc Load at 1 48
TC- 87 55 lb Conc Load at 4 31
TC- 231 47 lb Conc Load at 7 13
BC- -61 75 lb Conc Load at 1 48
BC- 31 27 lb Conc Load at 4 31
BC- 107 89 lb Conc Load at 7 13

Wind loads and reactions based on MWFRS

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



PLT TYP. Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 0328 14 QTY·1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29268
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235018
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	317283
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA1 9 9 15 Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

Refer to DWG PB140100212 for piggyback details

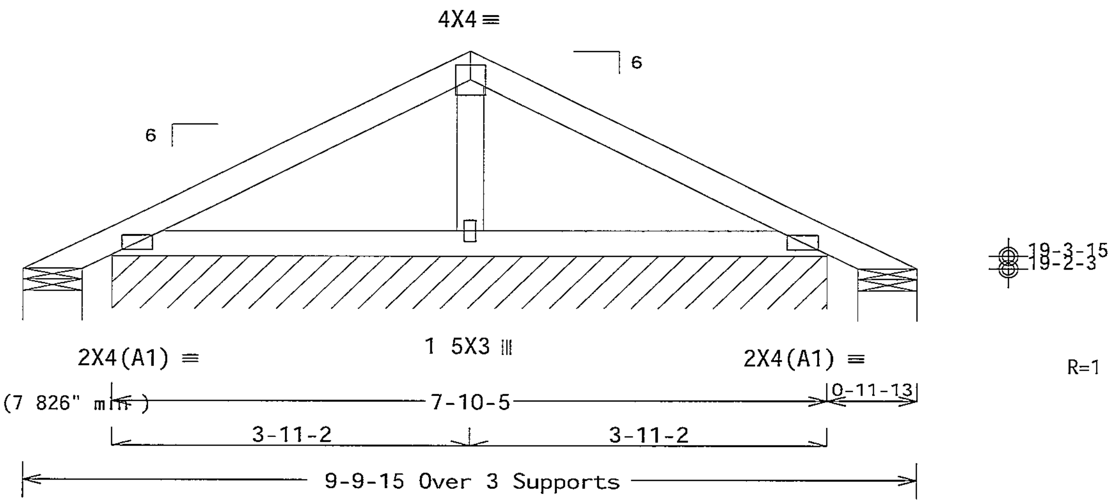
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 4 91
TC- From 56 plf at 4 91 to 56 plf at 9 83
BC- From 4 plf at 0 00 to 4 plf at 9 83

120 mph wind, 20 41 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 20 41 ft from roof edge



PLT TYP Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 0328 14 QTY 11 FL/-/3/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29269
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235027
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311419
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA2 9'9'15 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with '12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

MWFRS loads based on trusses located at least 20 01 ft from roof edge

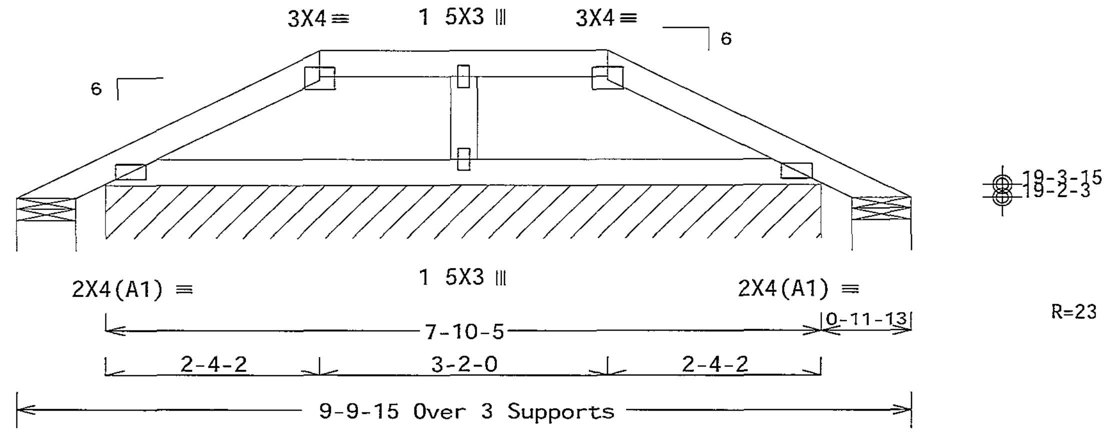
Refer to DWG PB140100212 for piggyback details

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 3 33
TC- From 56 plf at 3 33 to 56 plf at 6 50
TC- From 56 plf at 6 50 to 56 plf at 9 83
BC- From 4 plf at 0 00 to 4 plf at 9 83

120 mph wind, 20 01 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24' OC, all BC @ 24' OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=23 U=13 W=7 826" (7 826" min)

R=23 U=23 W=7 826' (7 826 min)
RL=23/-23 R=68 PLF U=7 PLF W=7-10-5

PLT TYP. Wave

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. 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 design 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. ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29270
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235004
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311420
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID   23-5S-15- - PBA4 15'1"14 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

MWFRS loads based on trusses located at least 18 85 ft from roof edge

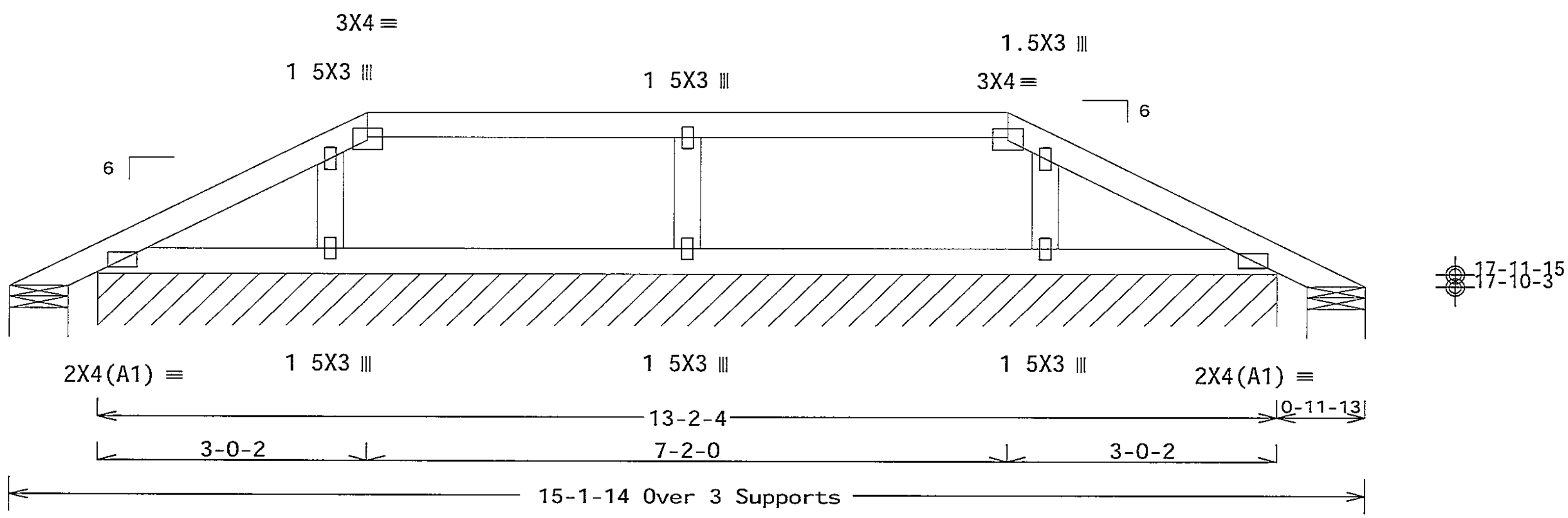
Refer to DWG PB140100212 for piggyback details

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From   56 plf at 0 00 to   56 plf at 4 00
TC- From   56 plf at 4 00 to   56 plf at 11 16
TC- From   56 plf at 11 16 to   56 plf at 15 16
BC- From   4 plf at 0 00 to   4 plf at 15 16

120 mph wind, 18 85 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=17 U=12 W=7 826" (7 826" min)
RL=28/-28

R=63 PLF U=8 PLF W=13-2-4

R=17 U=3 W=7 826' (7 826" min)

Design Crit· FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)   13 03 04 082614   QTY:2   FL/-/3/-/-/R/-   Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29271
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	311421
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA5 15'1"14 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Refer to DWG PB140100212 for piggyback details

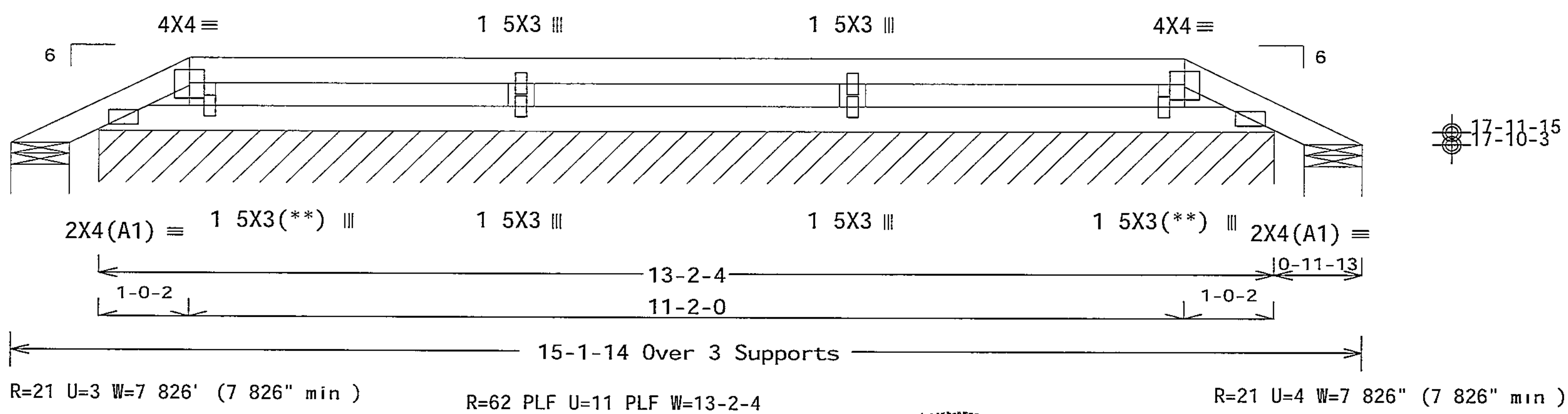
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 2 00
TC- From 56 plf at 2 00 to 56 plf at 13 16
TC- From 56 plf at 13 16 to 56 plf at 15 16
BC- From 4 plf at 0 00 to 4 plf at 15 16

(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 18 35 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24' OC, all BC @ 24' OC

MWFRS loads based on trusses located at least 18 35 ft from roof edge



PLT TYP Wave

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF	REF	R487-- 29272
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235025
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	311422
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA6 15'1"14 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A' use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

MWFRS loads based on trusses located at least 19 35 ft from roof edge

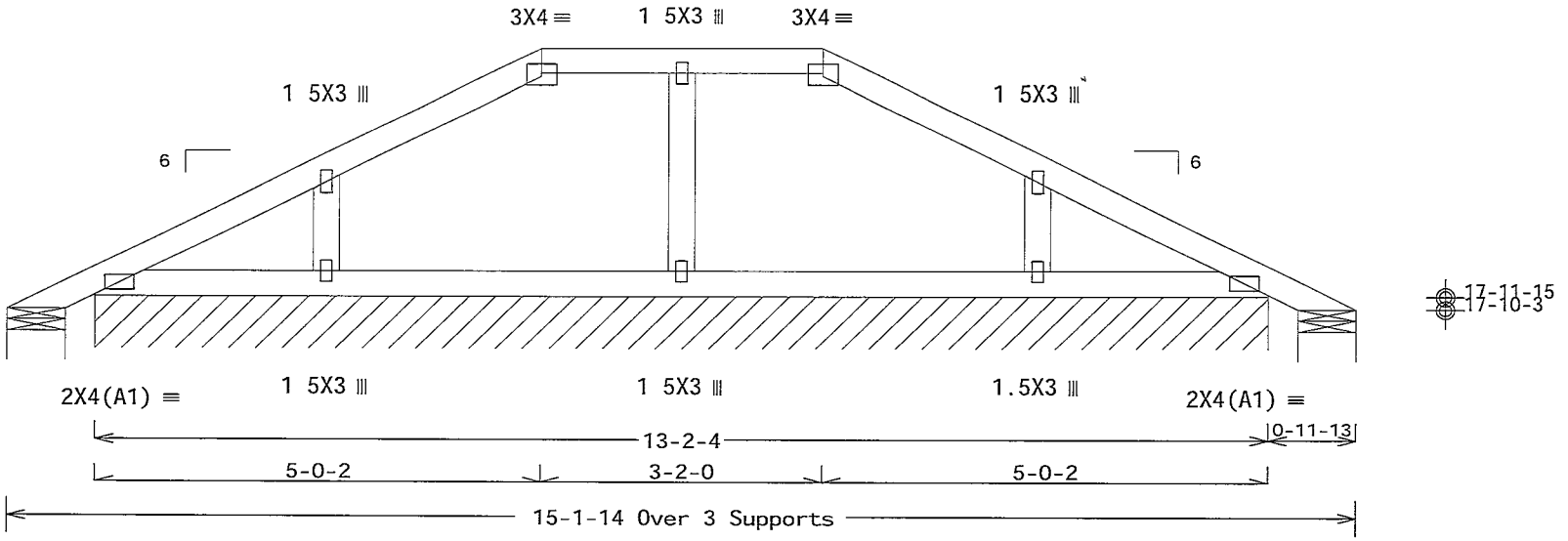
Refer to DWG PB140100212 for piggyback details

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 6 00
TC- From 56 plf at 6 00 to 56 plf at 9 16
TC- From 56 plf at 9 16 to 56 plf at 15 16
BC- From 4 plf at 0 00 to 4 plf at 15 16

120 mph wind, 19 35 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24' OC, all BC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=20 U=17 W=7 826' (7 826' min)
RL=43/-43

R=63 PLF U=5 PLF W=13-2-4

R=20 U=2 W=7 826" (7 826" min)

PLT TYP Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling sh pp ng install ng & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the ndiv dua Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate positions A sea on th s draw ng or cover page list ng this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The su tab lity and use of this design for any struc re the responsibil ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s des general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD	37 0 PSF
DUR.FAC	1 25
SPACING	24 0"

REF	R487-- 29273
DATE	08/23/13
DRW	HCUSR487 13235018
HC-ENG	WHK/WHK
SEQN-	311423
JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA7 15'1"14 Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with '12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

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

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Refer to DWG PB140100212 for piggyback details

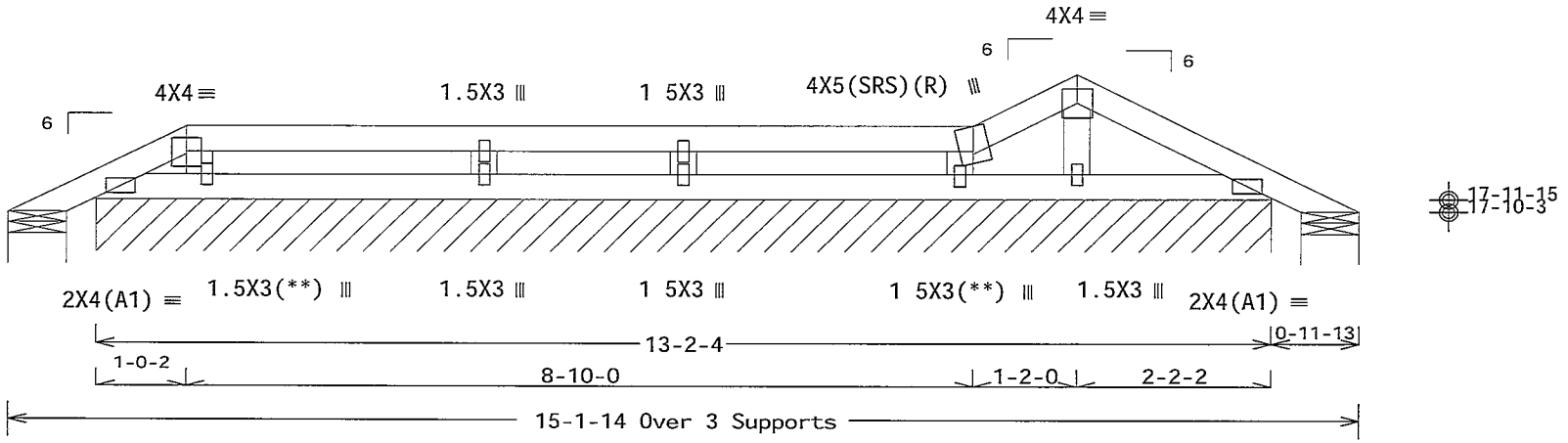
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 2 00
TC- From 56 plf at 2 00 to 56 plf at 10 83
TC- From 56 plf at 10 83 to 56 plf at 12 00
TC- From 56 plf at 12 00 to 56 plf at 15 16
BC- From 4 plf at 0 00 to 4 plf at 15 16

(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 18 64 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24' OC, all BC @ 24' OC

MWFRS loads based on trusses located at least 18 64 ft from roof edge



R=21 U=7 W=7 813" (7 813" min)
RL=21/-21

R=63 PLF U=9 PLF W=13-2-4

R=11 U=2 W=7 826" (7 826' min)

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY·1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF R487-- 29274
TC DL	7.0 PSF	DATE 08/23/13
BC DL	10.0 PSF	DRW HCUSR487 13235019
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD.	37 0 PSF	SEQN- 311424
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UZ1487_Z01

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA8 15'5"10 Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

Refer to DWG PB140100212 for piggyback details

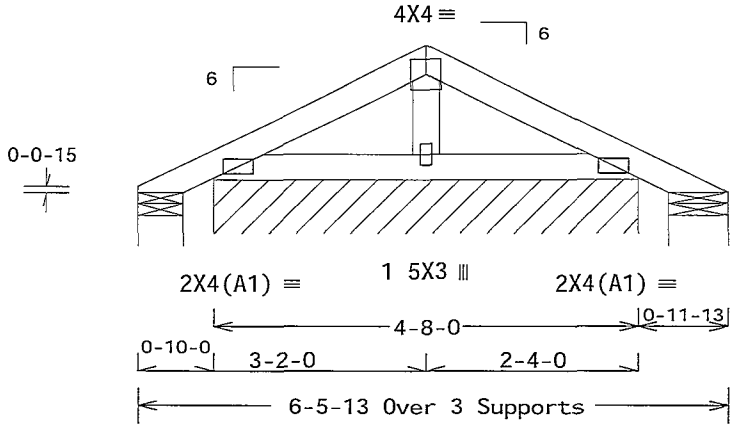
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -0 83 to 56 plf at 2 33
TC- From 56 plf at 2 33 to 56 plf at 5 65
BC- From 4 plf at -0 83 to 4 plf at 5 65

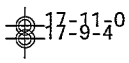
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of rigid ceiling use purlins to brace BC @ 24' OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

MWFRS loads based on trusses located at least 15 00 ft from roof edge





R=10 U=1 W=7 826" (7 826 min)

R=10 Rw=11 U=10 W=6 001" (6 001 min)
RL=22/-22

R=72 PLF U=2 PLF W=4-8-0

Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) QTY 1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29275
TC DL	7.0 PSF	DATE	08/23/13
BC DL	10.0 PSF	DRW	HCUSR487 13235002
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	311425
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(13-209A--Erkinger Home Builders Williamson Residence -- Property ID 23-5S-15- - PBA9 6'3'14 Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with '12A" use design values approved 1/5/2012 by ALSC

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

MWFRS loads based on trusses located at least 18 39 ft from roof edge

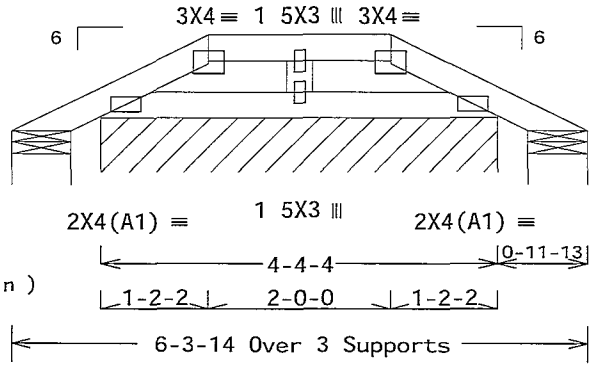
Refer to DWG PB140100212 for piggyback details

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 2 16
TC- From 56 plf at 2 16 to 56 plf at 4 16
TC- From 56 plf at 4 16 to 56 plf at 6 33
BC- From 4 plf at 0 00 to 4 plf at 6 33

120 mph wind, 18 39 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCpi(+/-)=0 18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=18 U=6 W=7 826" (7 826" min)

R=69 PLF U=7 PLF W=4-4-4

17-11-15
17-10-3

R=18 U=3 W=7 826' (7 826" min)

Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 18 3 PA B126 14 QTY.1 FL/-/3/-/-/R/- Scale =.5"/Ft.

ALPINE
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Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSED No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/23/2013

TC LL	20 0 PSF	REF	R487-- 29276
TC DL	7 0 PSF	DATE	08/23/13
BC DL	10 0 PSF	DRW	HCUSR487 13235031
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	311426
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1UZ1487_Z01

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED

NOTES

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE FOR MINIMUM ALTERNATIVE BRACING RE-RUN DESIGN WITH APPROPRIATE BRACING

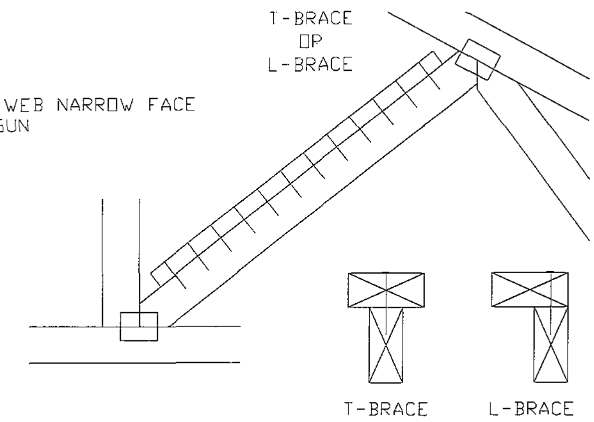
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1 2X4
2X3 OR 2X4	2 ROWS	2X6	2 2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T BRACE L BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN

(*) CENTER SCAB ON WIDE FACE OF WEB APPLY (1) SCAB TO EACH FACE OF WEB

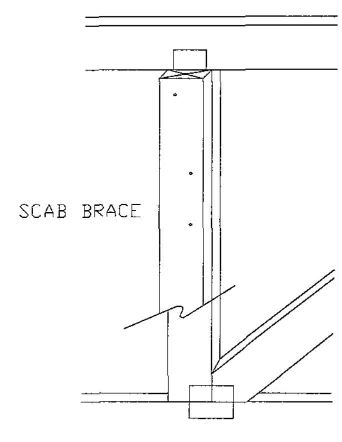
T-BRACING OR L-BRACING

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 10d BOX OR GUN
(0 128 x 3 MIN) NAILS
AT 6 OC
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING

APPLY SCAB(S) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE
ATTACH WITH 10d BOX OR GUN
(0 128 x 3 MIN) NAILS
AT 6 OC
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



ITW Building Components Group Inc.
Earth City MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow BCSI Building Component Safety Information by TPI and WTCA for safety practice [illegible] performing the [illegible] Installer shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sec [illegible] B3 & B7 See the job general notes page for more information

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR
ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with [illegible] or fabricating handling shipping installing & bracing of trusses ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40 60 K/W/H/S gav [illegible] Apply plates to each face of truss positioned as shown [illegible] and on Joint Details
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2
ITW BCG www twbcg com TPI www tpinst com WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 23
08/23/2013

TC LL	PSF	REF	CLB SUBST
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT LD	PSF		
DUR FAC			
SPACING			

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

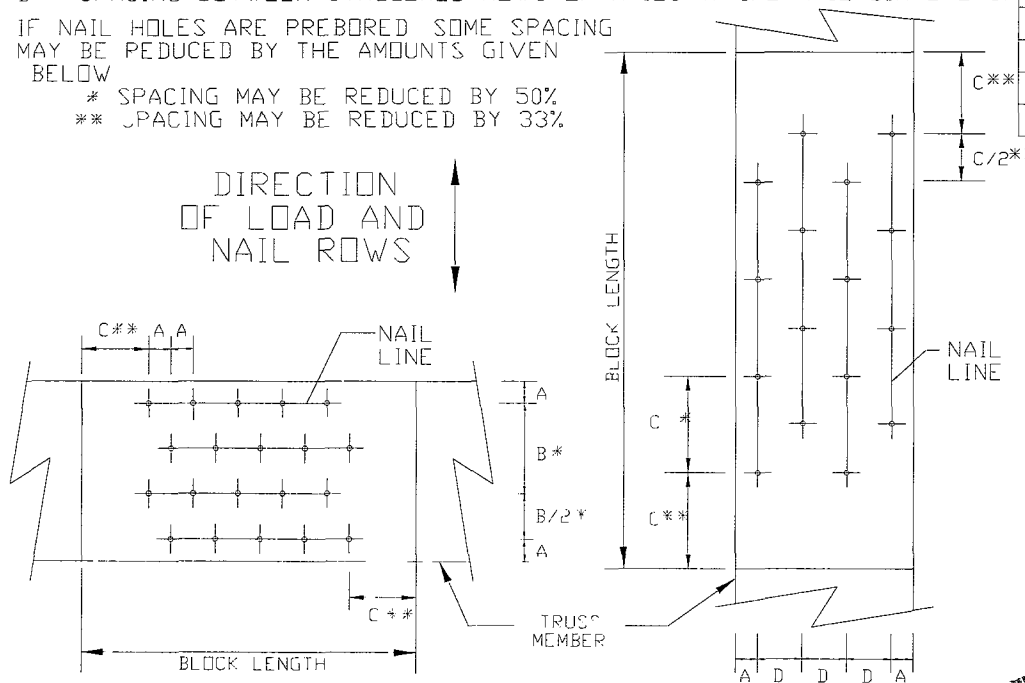
LOAD PERPENDICULAR TO GRAIN
- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
- A - EDGE DISTANCE (6 NAIL DIAMETERS)
- C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW.
- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0.113 X 2.5 MIN)	3/4	1 3/8	1 3/4	7/8
10d BOX (0.128 X 3" MIN)	7/8	1 5/8	2"	1
12d BOX (0.128 X 3.25" MIN)	7/8	1 5/8	2	1
16d BOX (0.135 X 3.5 MIN)	7/8	1 5/8	2 1/8	1 1/8"
20d BOX (0.148 X 4 MIN)	1	1 7/8	2 1/4	1 1/8
8d COMMON (0.131 X 2.5 MIN)	7/8	1 5/8	2	1
10d COMMON (0.148 X 3 MIN)	1	1 7/8	2 1/4	1 1/8
12d COMMON (0.148 X 3.25 MIN)	1	1 7/8	2 1/4	1 1/8
16d COMMON (0.162 X 3.5 MIN)	1	2	2 1/2	1 1/4
GUN (0.120 X 2.5 MIN)	3/4	1 1/2	1 7/8	1"
GUN (0.131 X 2.5 MIN)	7/8	1 5/8	2"	1"
GUN (0.120 X 3 MIN)	3/4"	1 1/2"	1 7/8	1
GUN (0.131 X 3" MIN)	7/8	1 5/8	2	1"



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

Building Components Group Inc.

Earth City MO 63045

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to and during the performing these functions. Installer shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panel and bottom chord shall have properly attached rigid ceiling. Location shown for permanent lateral restraint of webs shall have bracing installed per BCSI section B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR
ITW Building Component Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/M) ASTM A653 grade 37/40/60 (K/W/H) galvanized steel. Apply plates to each face of truss positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI Sec. 2.
ITW BCG: www.itwbcg.com, TPI: www.tpinst.com, WTCA: www.sbcindustry.com, ICC: www.iccsafe.org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/23/2013

REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAILSP0109