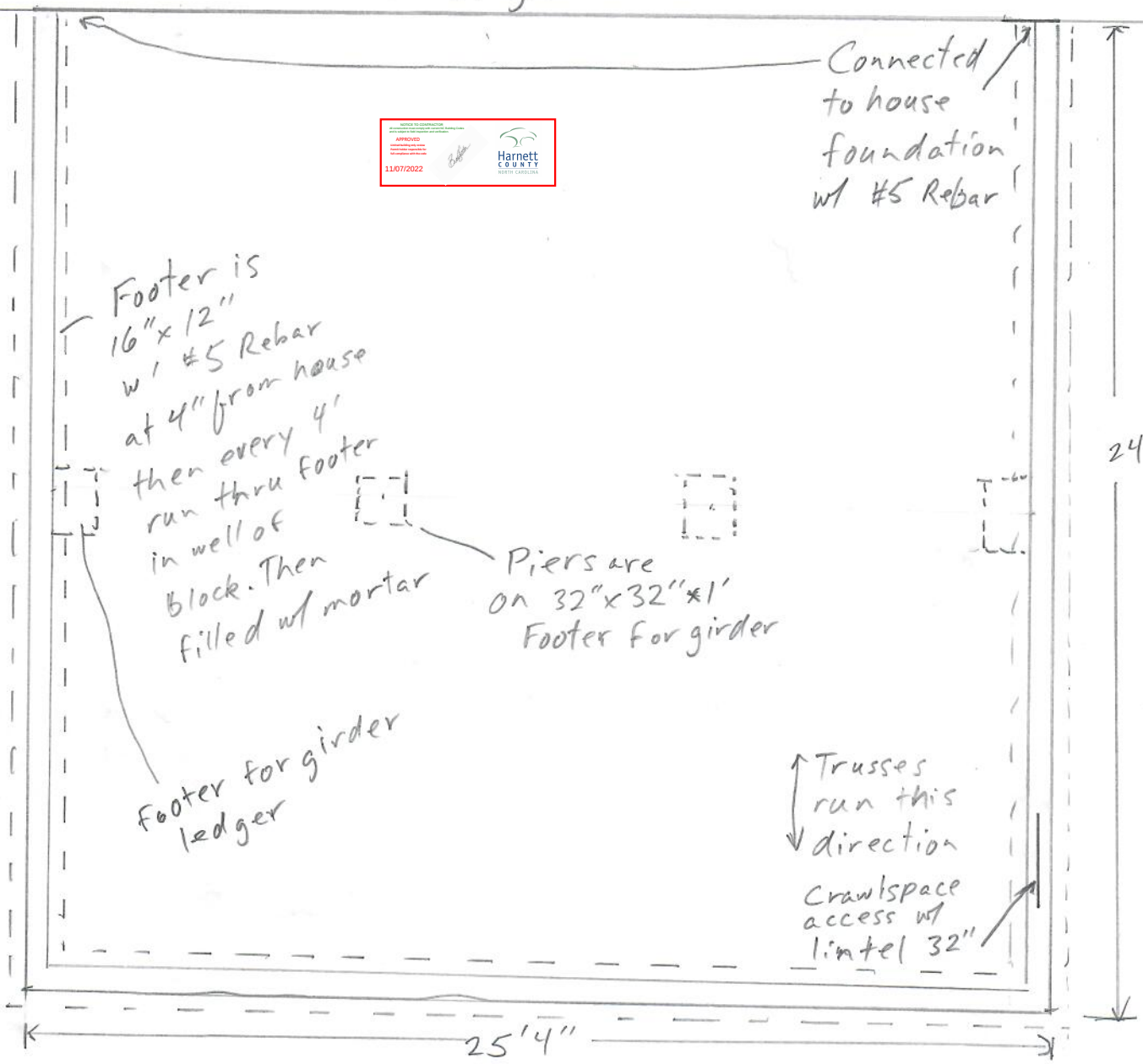
Foundation Plan

Original house

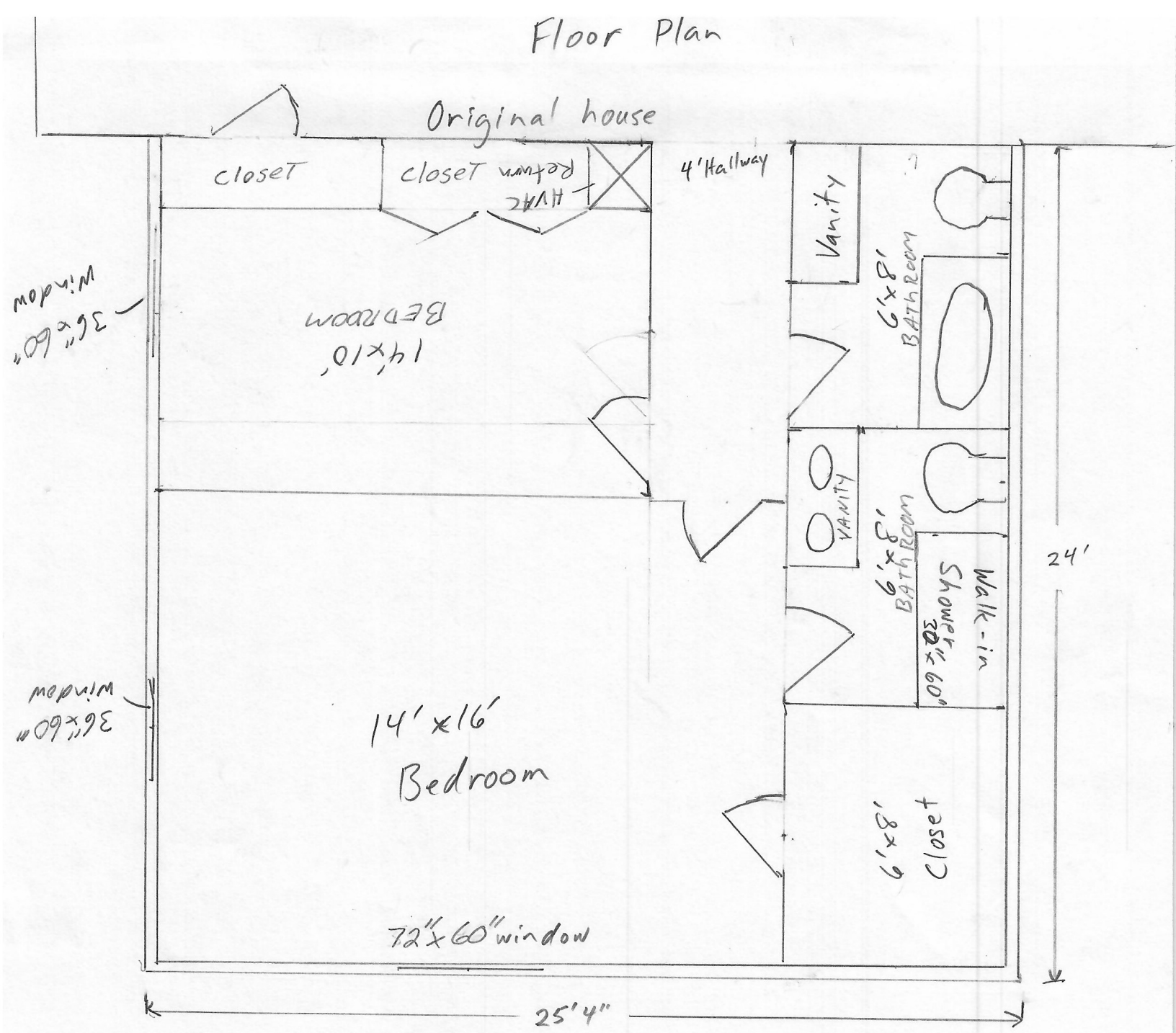


- L-anchor bolts mortared into block at 1' from corners, then every 6' at least, w/ threads exposed at least 3". Bolts are placed at least 4" from outside wall to provide space for a double band
- Foundation wall is 16"x8" block w/ Type-S mortar

Scale $\frac{1}{4}" = 1'$

Robben Kadish
589 Rainey Drive
Spring Lake, NC 28390

Floor Plan



Scale $\frac{1}{4}" = 1'$

Elevation Plan

Robben Kadish
589 Rainey Drive
Spring Lake, NC 28390

Scale ½" = 1'

Job	Truss	Truss Type	Qty	Ply	589 Rainey Dr. / Harnett Co.
B1122-5490	A1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

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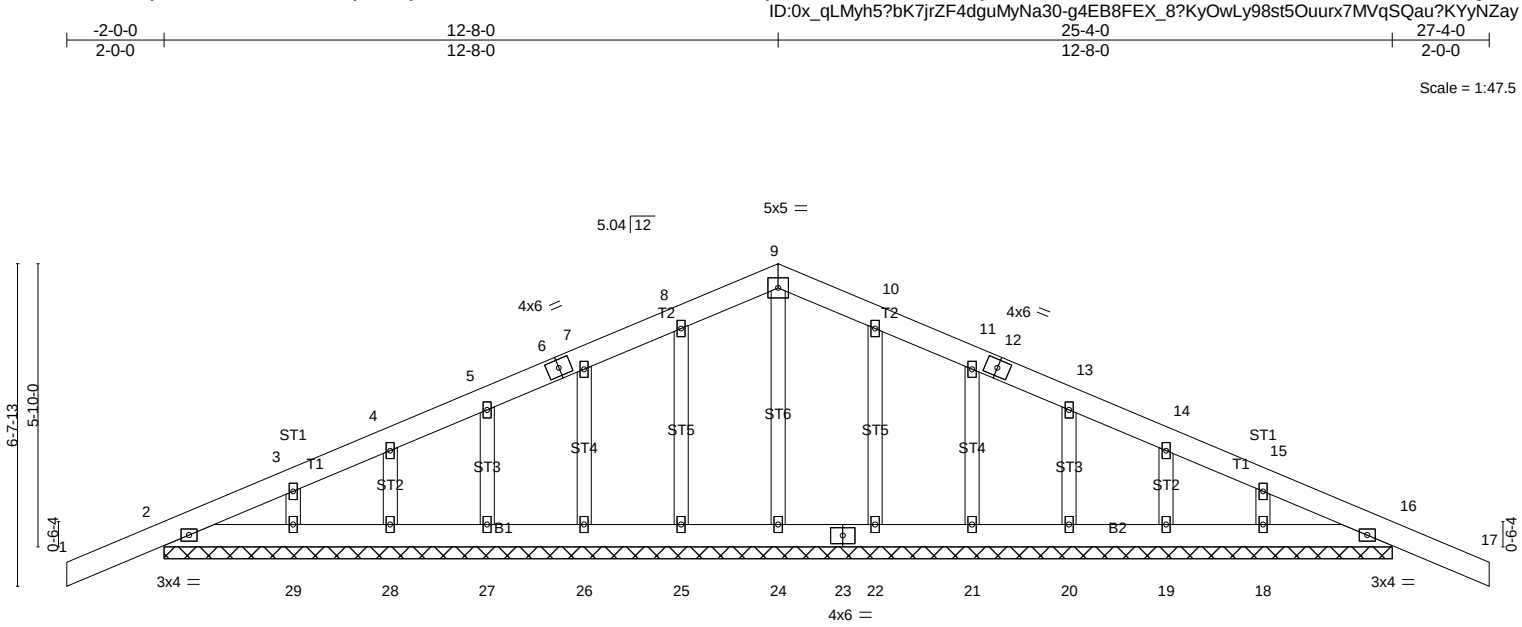


25-4-0

25-4-0

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 178 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-4-0.

(lb) - Max Horz 2=124(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=-109(LC 8), 16=-114(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 24, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=271(LC 1), 16=271(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except (jt=lb) 2=109, 16=114.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

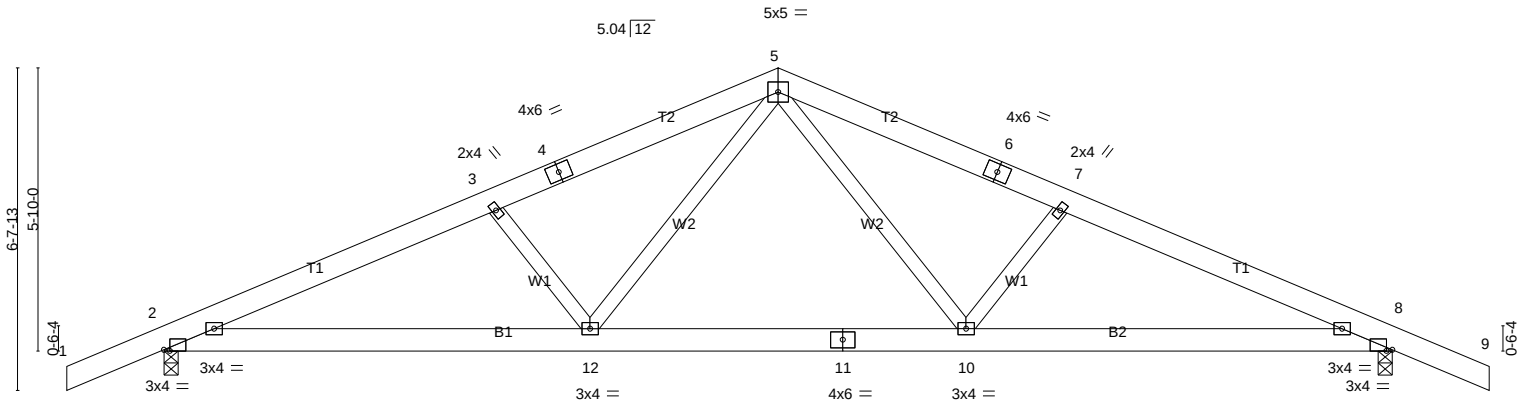
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	589 Rainey Dr. / Harnett Co.
B1122-5490	A2	FINK	12	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Nov 1 13:26:26 2022 Page 1
ID:0x_qLMyh5?bK7jrZF4dguMyNa30-9GoZMaFAlS7BZYVXWsf5Qlx2aED65wfcfEeZs?yNZax

-2-0-0	6-10-3	12-8-0	18-5-13	25-4-0	27-4-0
2-0-0	6-10-3	5-9-13	5-9-13	6-10-3	2-0-0

Scale = 1:47.5



8-9-8	16-6-8	25-4-0
8-9-8	7-9-1	8-9-8

Plate Offsets (X,Y)-- [2:0-1-7,Edge], [8:0-1-7,Edge]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.16	Vert(LL)	-0.05	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.31	Vert(CT)	-0.11	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.14	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.04	10-12	>999	240	Weight: 162 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
Max Horz 2=74(LC 12)
Max Uplift2=-94(LC 12), 8=-94(LC 13)
Max Grav 2=1130(LC 1), 8=1130(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1923/381, 3-5=-1686/362, 5-7=-1686/362, 7-8=-1923/381
BOT CHORD 2-12=-231/1694, 10-12=-91/1154, 8-10=-260/1694
WEBS 3-12=-368/205, 5-12=-81/579, 5-10=-81/579, 7-10=-368/205

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard