Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	FP1	MONO TRUSS	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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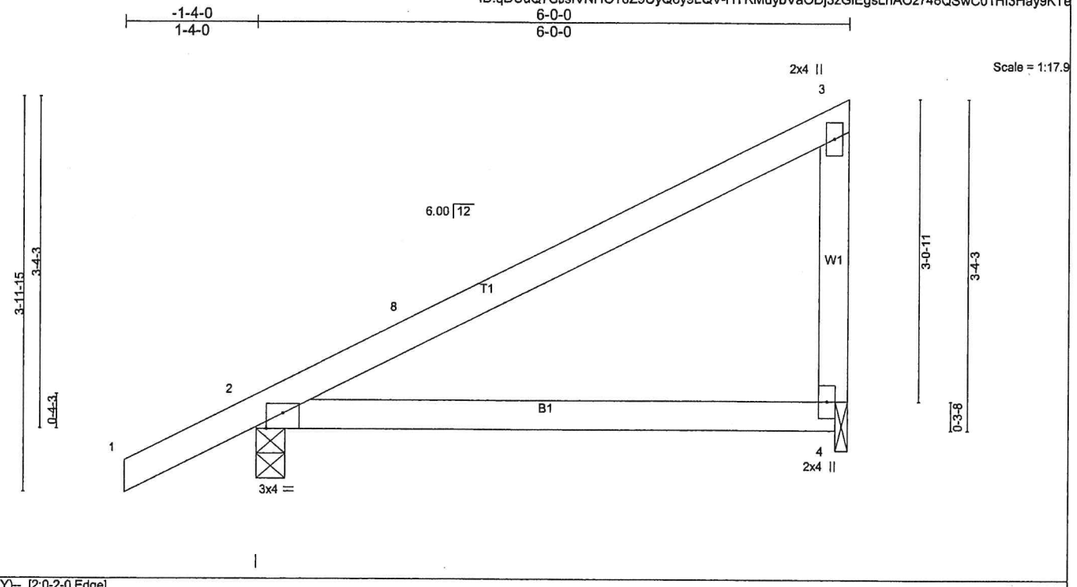

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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 0.56	Vert(LL) 0.08 4-7 >839 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.49	Vert(CT) -0.11 4-7 >613 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP		Weight: 25 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=323/0-3-8 (min. 0-1-8), 4=225/0-1-8 (min. 0-1-8)
Max Horz 2=159(LC 11)
Max Uplift2=-95(LC 12), 4=-82(LC 12)

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

NOTES- (8-9)
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T2	CATHEDRAL	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

Run: 8.710 s Oct 4 2023 Print: 8.710 s Oct 4 2023 MiTek Industries, Inc. Wed Dec 13 17:05:11 2023 Page 1
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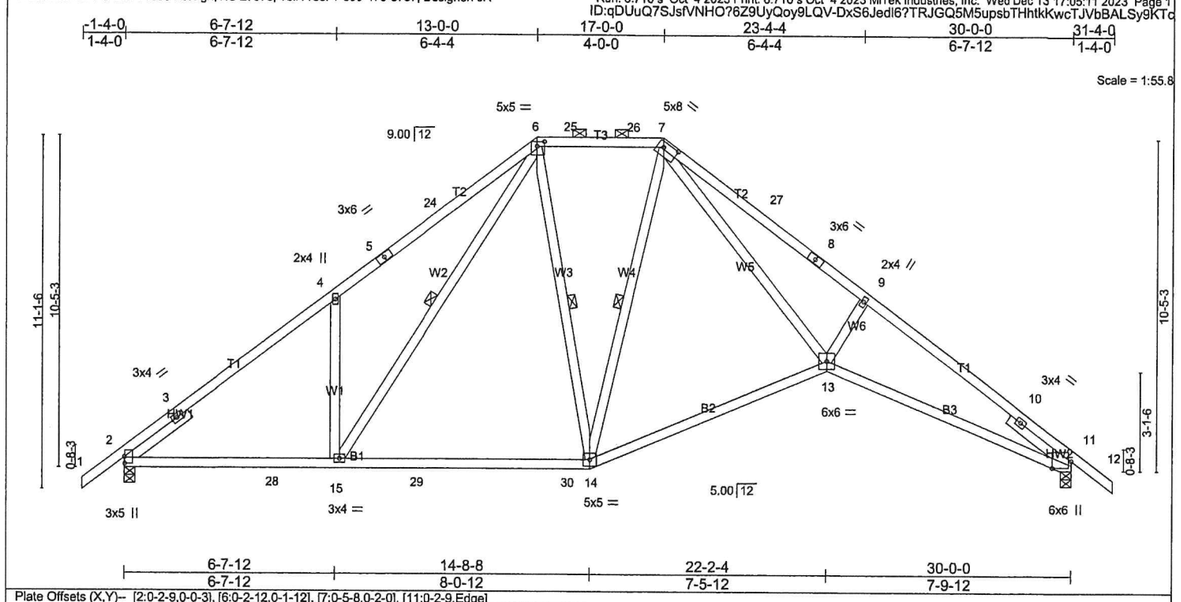

Plate Offsets (X,Y)-- [2:0-2-9,0-0-3], [6:0-2-12,0-1-12], [7:0-5-8,0-2-0], [11:0-2-9,Edge]

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 1.00	Vert(LL) -0.26 14-15 >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(CT) -0.47 14-15 >767 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.85	Horz(CT) 0.28 11 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MSH		Weight: 185 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1D *Except*
T3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-15, 6-14, 7-14

REACTIONS. (lb/size) 2=1280/0-4-0 (min. 0-1-8), 11=1280/0-4-0 (min. 0-1-8)
Max Horz 2=-329(LC 10)
Max Uplift2=-260(LC 12), 11=-260(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-618/58, 3-4=-1604/334, 4-5=-1708/568, 5-24=-1608/588, 6-24=-1604/610, 6-25=-888/368, 25-26=-888/368, 7-26=-888/368, 7-27=-2719/587, 8-27=-2735/566, 8-9=-2819/545, 9-10=-2990/510, 10-11=-841/34
BOT CHORD 2-28=-283/1420, 15-28=-283/1420, 15-29=-74/954, 29-30=-74/954, 14-30=-74/954, 13-14=-36/1086, 11-13=-301/2490
WEBS 4-15=-460/452, 6-15=-440/877, 7-14=-397/90, 7-13=-286/2048, 9-13=-307/353

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 31-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=260, 11=260.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T2A	HIP	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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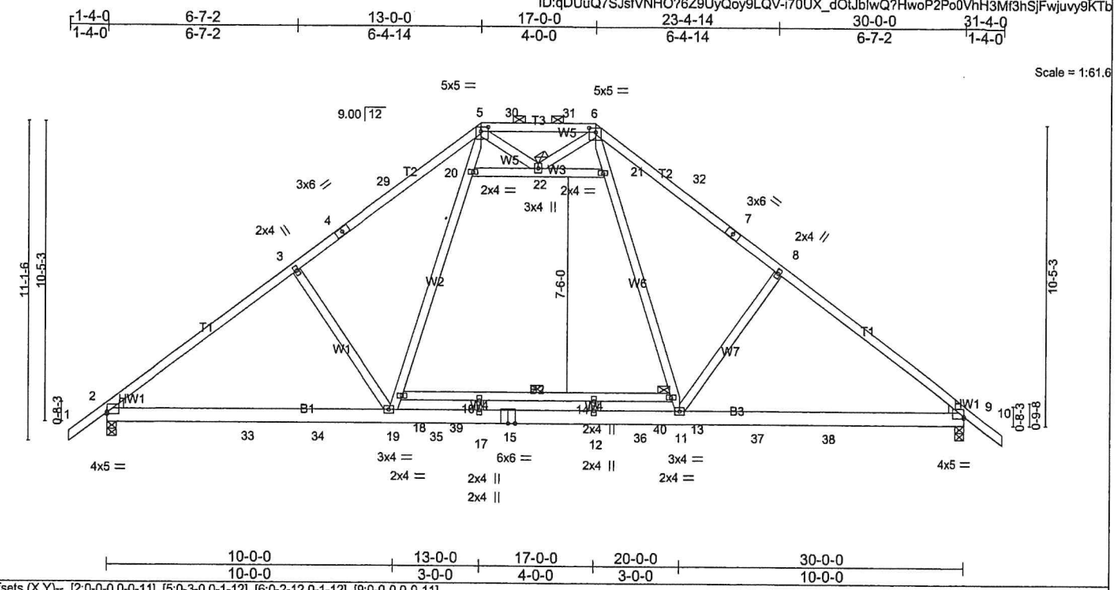

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11], [5:0-3-0,0-1-12], [6:0-2-12,0-1-12], [9:0-0-0,0-0-11]

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	0.79	Vert(LL)	-0.28	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.45	14-16	>805	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH							Weight: 208 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B2: 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-3-12 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 13-18
JOINTS 1 Brace at Jt(s): 13, 22

REACTIONS. (lb/size) 2=1377/0-4-0 (min. 0-1-13), 9=1377/0-4-0 (min. 0-1-12)
Max Horz 2=-329(LC 10)
Max Uplift2=-202(LC 12), 9=-202(LC 13)
Max Grav 2=1525(LC 19), 9=1526(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2035/260, 3-4=-1861/280, 4-29=-1757/301, 5-29=-1757/323, 5-30=-1169/312, 30-31=-1169/312, 6-31=-1169/312, 6-32=-1750/321, 7-32=-1751/299, 7-8=-1855/278, 8-9=-2032/261
BOT CHORD 2-33=-216/1731, 33-34=-216/1731, 19-34=-216/1731, 19-35=0/1241, 17-35=0/1241, 15-17=0/1241, 12-15=0/1241, 12-36=0/1241, 11-36=0/1241, 11-37=-66/1548, 37-38=-66/1548, 9-38=-66/1548
WEBS 3-19=-405/372, 18-19=-133/873, 18-20=-112/941, 5-20=-92/914, 6-21=-89/912, 13-21=-108/938, 11-13=-124/866, 8-11=-408/372

NOTES- (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 31-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 9=202.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T3	SCISSORS	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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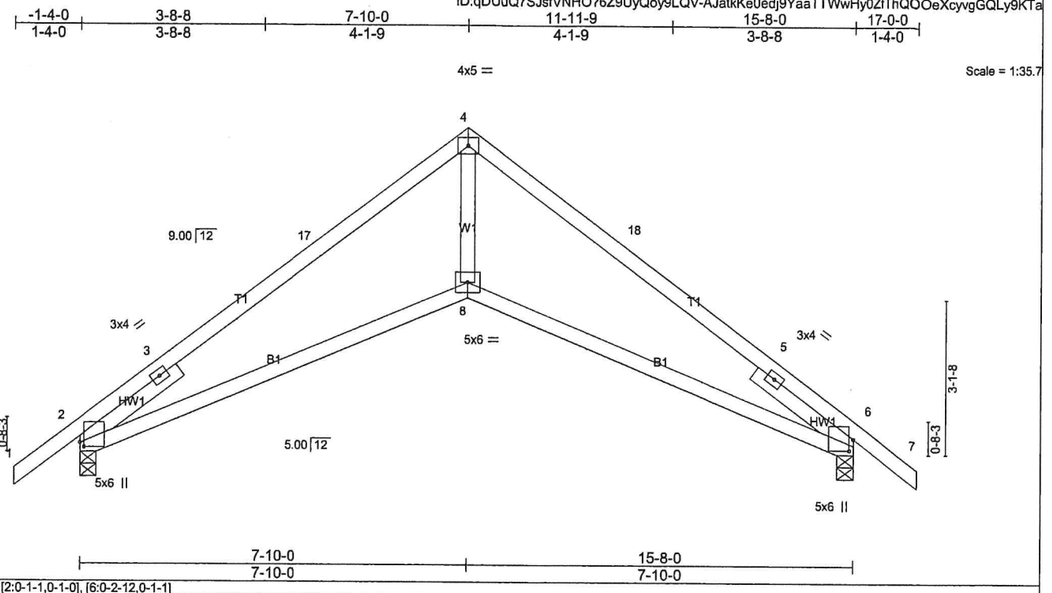

Plate Offsets (X,Y)-- [2:0-1-1,0-1-0], [6:0-2-12,0-1-1]

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	0.85	Vert(LL)	0.20	8-15	>957	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.24	8-15	>798	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.14	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=707/0-4-0 (min. 0-1-8), 6=707/0-4-0 (min. 0-1-8)
Max Horz 2=-210(LC 10)
Max Uplift2=-158(LC 12), 6=-158(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-561/0, 3-17=-1063/136, 4-17=-1052/161, 4-18=-1052/226, 5-18=-1174/199, 5-6=-561/0
BOT CHORD 2-8=-92/1033, 6-8=-83/1023
WEBS 4-8=-20/926

NOTES- (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 17-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=158, 6=158.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T4	KINGPOST	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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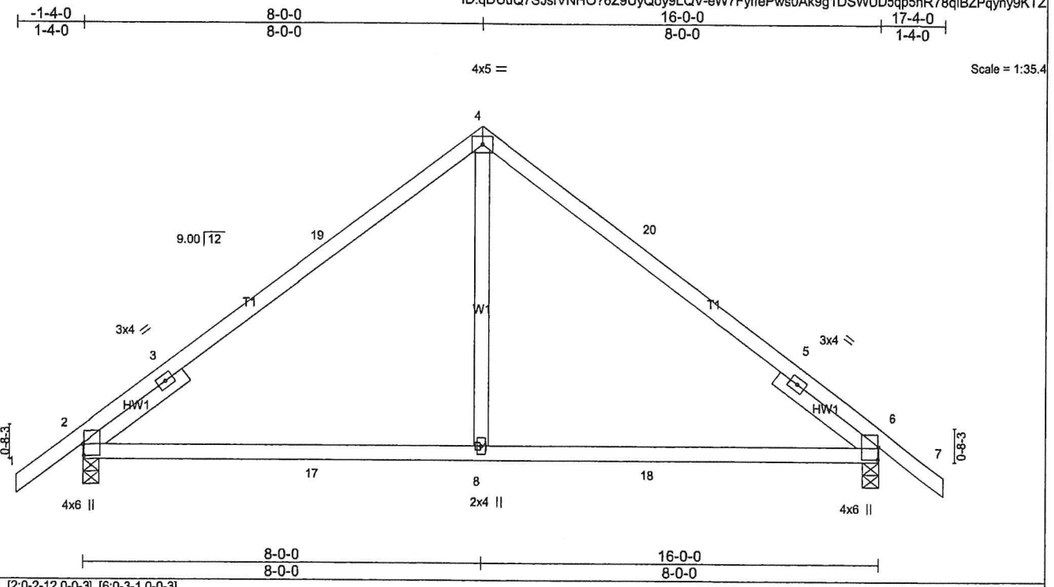


Plate Offsets (X,Y)-- [2:0-2-12,0-0-3], [6:0-3-1,0-0-3]

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	0.88	Vert(LL)	0.20	8-11	>968	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.22	8-11	>855	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.05	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH							Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-5-15, Right 2x4 SP No.2 2-6-0

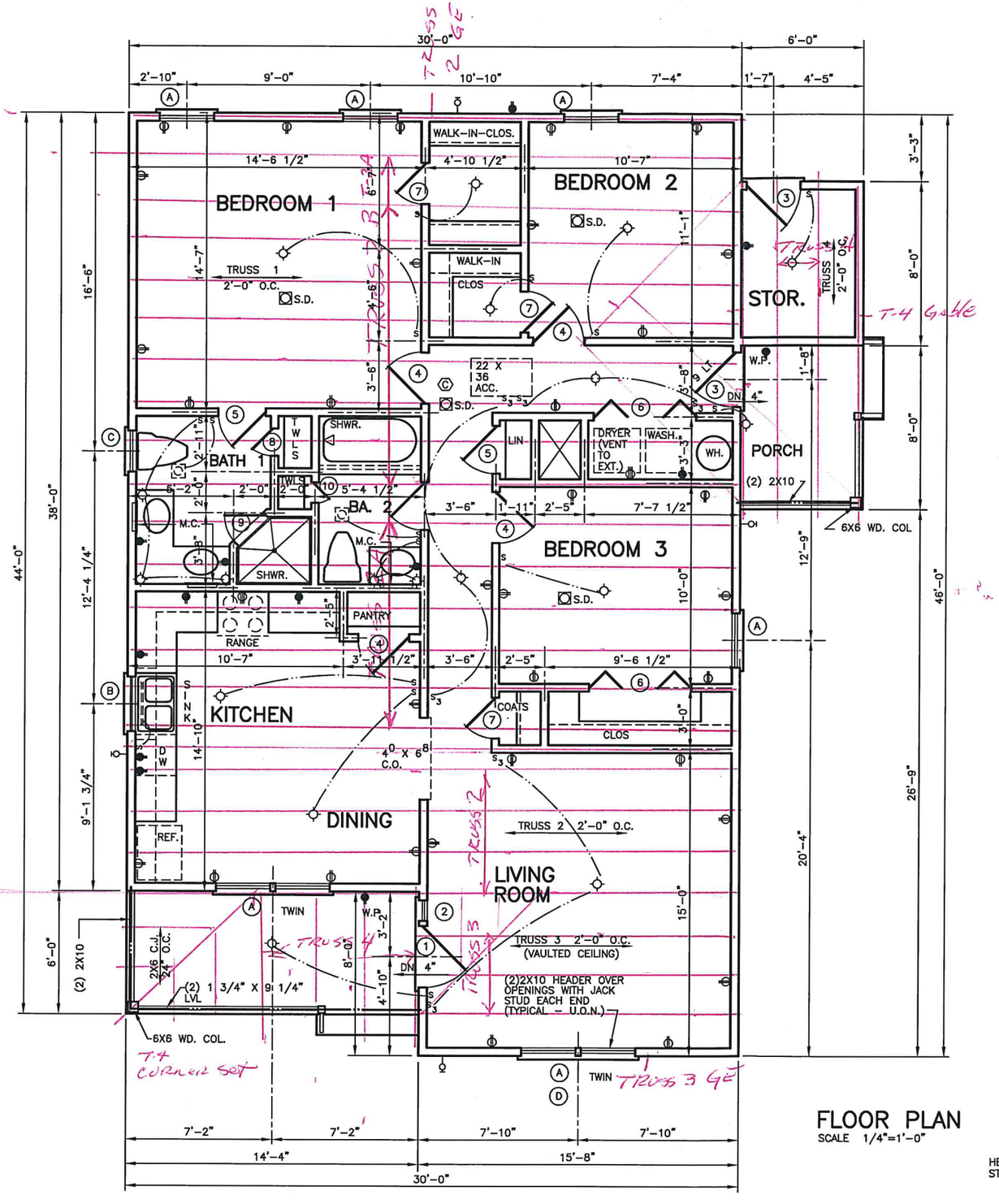
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=720/0-4-0 (min. 0-1-8), 6=720/0-4-0 (min. 0-1-8)
Max Horz 2=-214(LC 10)
Max Uplift2=-162(LC 12), 6=-162(LC 13)
Max Grav 2=768(LC 19), 6=768(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-443/40, 3-19=-701/178, 4-19=-675/204, 4-20=-675/204, 5-20=-701/178, 5-6=-444/40
BOT CHORD 2-17=-28/607, 8-17=-28/607, 8-18=-28/607, 6-18=-28/607
WEBS 4-8=0/424

NOTES- (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=162, 6=162.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

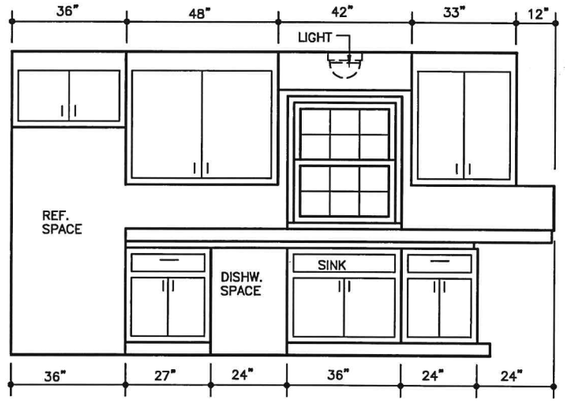


FLOOR PLAN
SCALE 1/4"=1'-0"

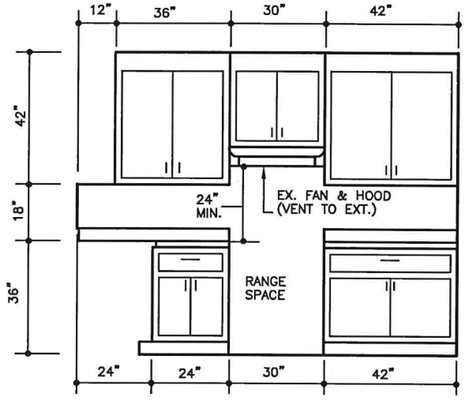
HEATED AREA: 1265 SQ. FT. IN SIDING
STORAGE & PORCHES: 182 SQ. FT.

KITCHEN CABINET ELEVATIONS
SCALE 3/8"=1'-0"

FOR SECTION THRU CABINETS, SEE DETAIL ON COVER SHEET.

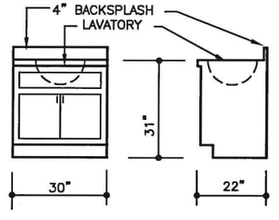


SINK SIDE

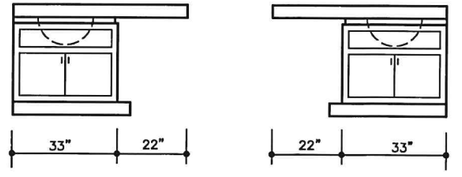


RANGE SIDE

VANITY DETAILS
SCALE 3/8" = 1'-0"



BATH 2 SECT.



BATH 1

REVISED 11-28-23
TRUSS CONSTRUCTION

WINDOW SCHEDULE

A	2'-8"X5'-2" WD. D.H.	D	ANDERSEN CTN28-2 5'-7 7/8" X 3'-0 1/2"	G		L	
B	2'-8"X3'-2" WD. D.H.	E		H		M	

DOOR SCHEDULE

1	3'-0"X 6'-8"X1 3/4"	4	2'-6"X 6'-8"X1 3/8"	7	2'-0"X 6'-8"X1 3/8"	10	1'-0"X 6'-8"X1 3/8"
2	SIDELITE 1'-0"X 6'-8"X1 3/4"	5	2'-4"X 6'-8"X1 3/8"	8	1'-4"X 6'-8"X1 3/8"	11	

Standard Homes Plan Service, Inc.
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DESIGNED FOR

SHEET 3 OF 8

PLAN CHANDLER NO. 2 MATERIAL