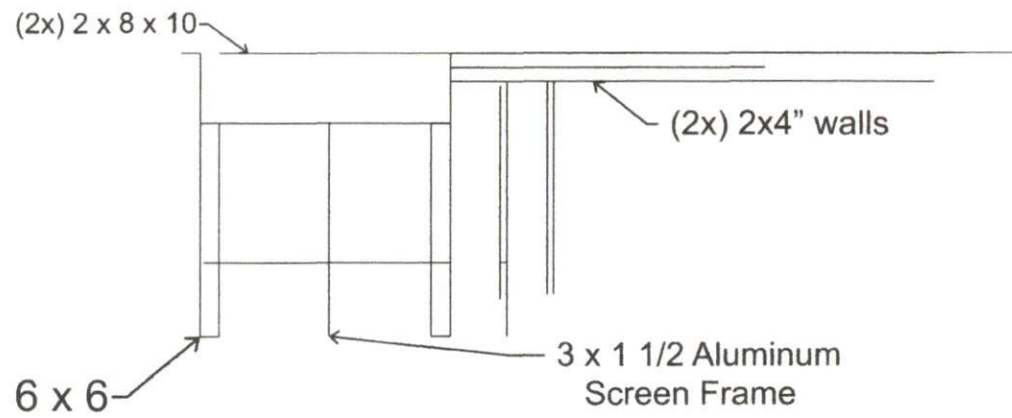
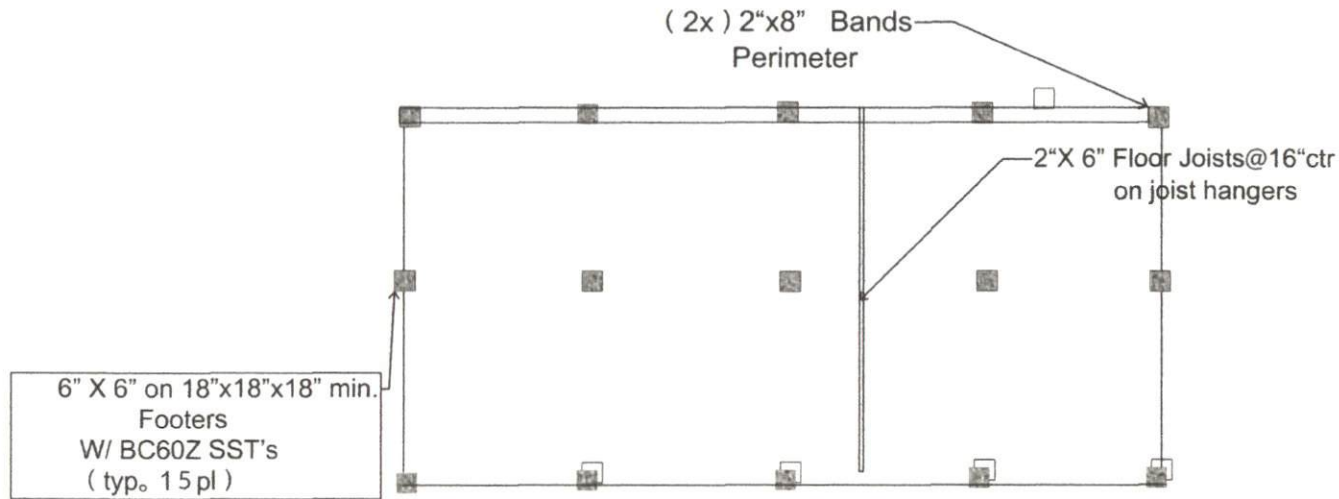
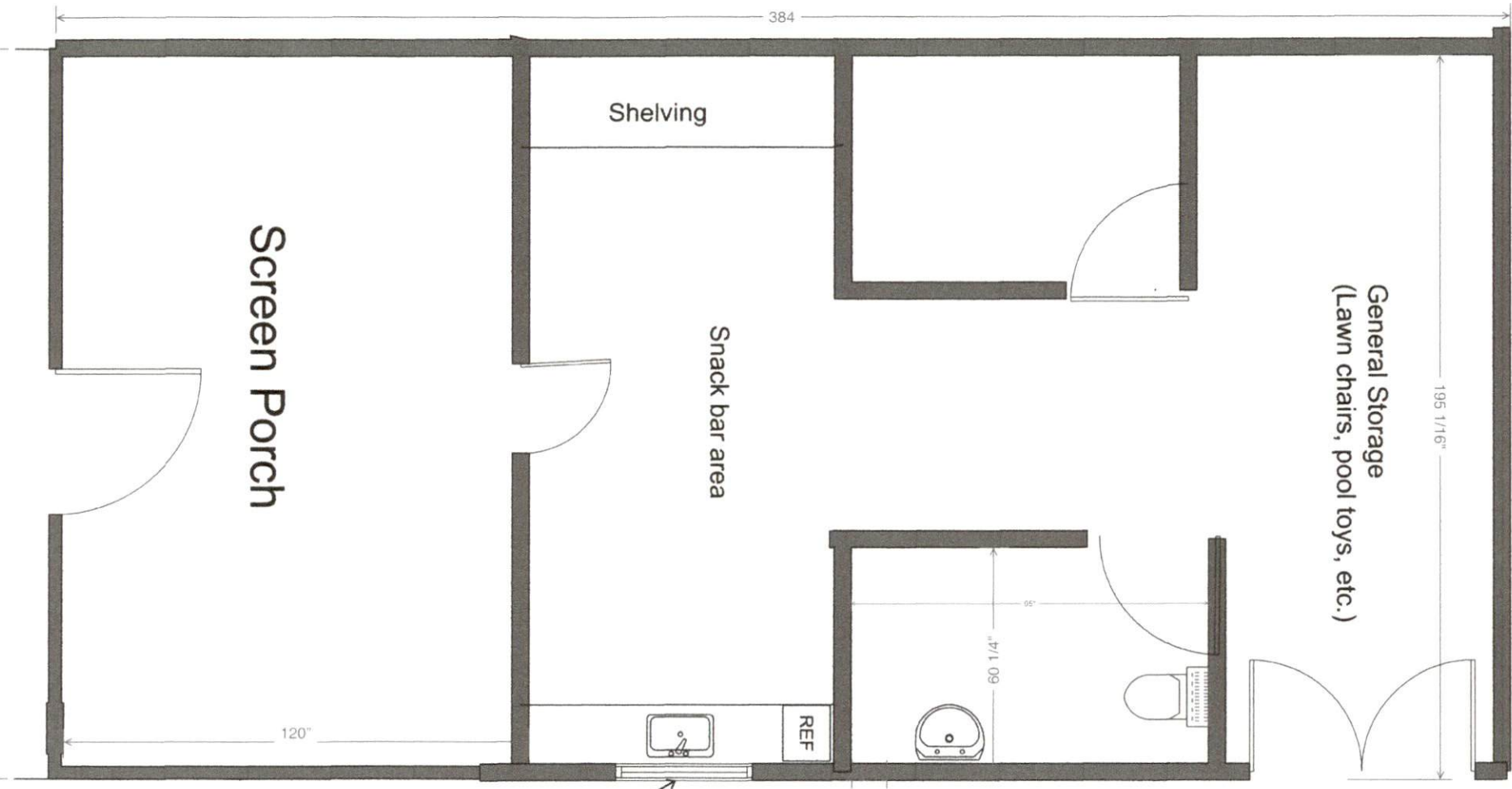


Proposed Pool House
Woerner
145 Huntington Dr.
Dunn, N.C. 28334





Woerner Pool House
145 Huntington Dr.
Dunn, N.C. 28334

Window
(24"x36")

16-00-00

16" O.C

CT1GE

32-00-00

CT1(23)

CT1GE

ROOF TRUSS LAYOUT
TRUSS SPACING 16" O.C.

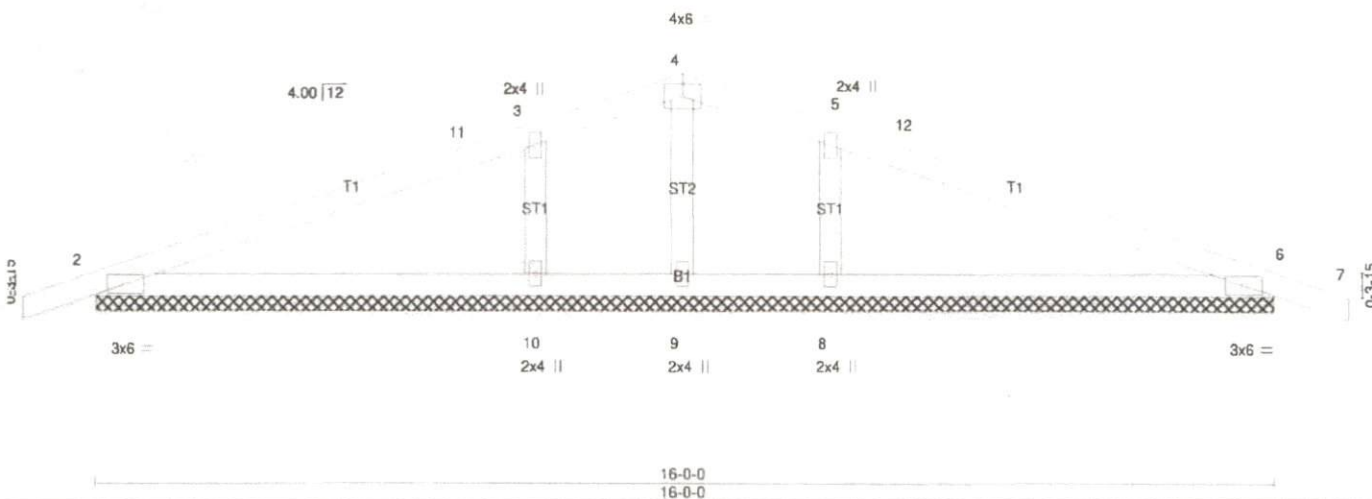


10401 Chapel Hill Rd
Morrisville, NC 27560
Ph. 919-467-9988
Fax. 919-481-3255

SP210608
145 HUNTING DR.
DUNN, NC

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APPROVED FOR FABRICATION
DATE _____

Scale = 1:28.6



WIND (psf)	SPACING-	2-0-0	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.15	TC 0.42	Vert(LL)	0.02	7	n/r	MT20	244/190
10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	0.04	7	n/r		
0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	6	n/a		
10.0	Code IBC2015/TPI2014		Matrix-R						

Weight: 61 lb FT = 6%

MEMBERS:
 CHORD 2x4 SP No.2
 CHORD 2x4 SP No.2
 RS 2x4 SP No.3

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

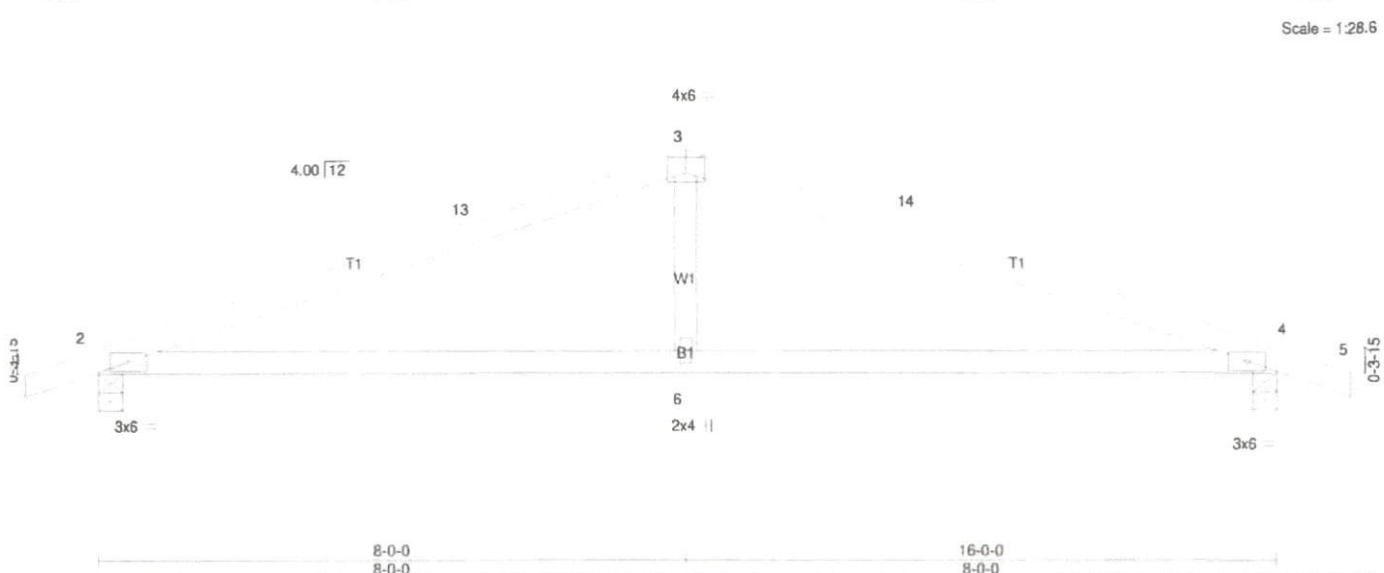
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES: All bearings 16-0-0.
 (lb) - Max Horz 2=43(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8 except 9=206(LC 2)
 Max Grav All reactions 250 lb or less at joint(s) 9 except 2=257(LC 30), 6=257(LC 31), 10=548(LC 2), 8=548(LC 2)

DESIGN: (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 S 3-10=-375/134, 5-8=-375/133

ASSUMPTIONS:
 balanced roof live loads have been considered for this design.
 wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Code End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 snow: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 balanced snow loads have been considered for this design.
 this truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs
 truss is concurrent with other live loads.
 truss requires continuous bottom chord bearing.
 truss studs spaced at 2-0-0 oc.
 this truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 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.
 provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8 except (lb) 9=206.
 this truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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Offsets (X,Y) -- [3:0-3-0,0-2-8]

WNG (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.15	TC 0.52	Vert(LL)	-0.09	6-12	>999	240	MT20	244/190
10.0	Lumber DOL	1.15	BC 0.50	Vert(CT)	-0.17	6-12	>999	180		
0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.02	4	n/a	n/a		
10.0	Code IBC2015/TPI2014		Matrix-MR							
									Weight: 56 lb	FT = 6%

MEMBER-
 CHORD 2x4 SP No.2
 CHORD 2x4 SP No.2
 S 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

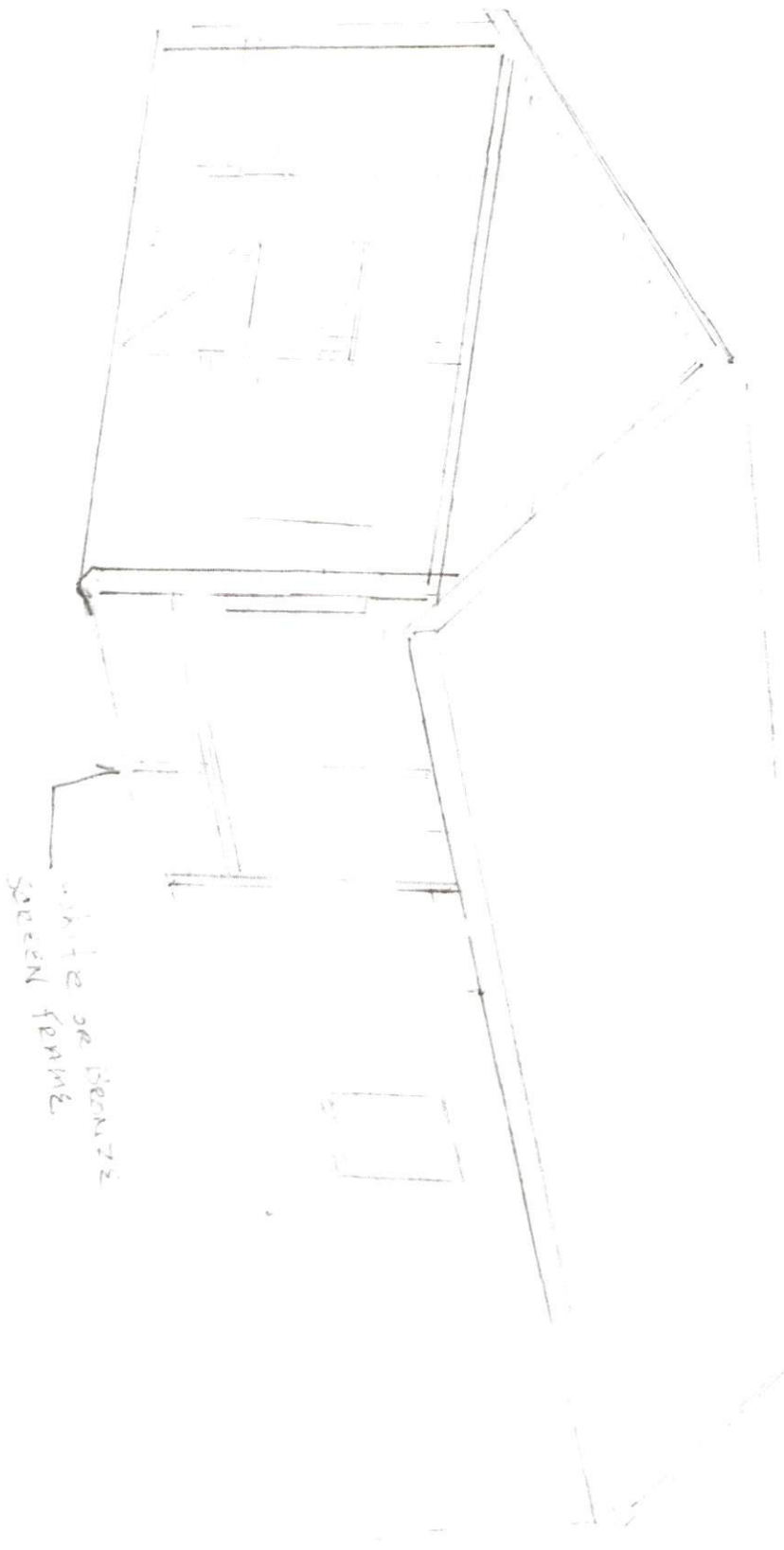
MiTek recommends that Stabilizers and required cross bracing be installed during erection, in accordance with Stabilizer Installation guide.

NOTES. (lb/size) 2=407/0-4-0 (min. 0-1-8), 4=407/0-4-0 (min. 0-1-8)
 Max Horz 2=-28(LC 17)
 Max Uplift 2=-54(LC 8), 4=-54(LC 9)
 Max Grav 2=467(LC 2), 4=467(LC 2)

DES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 CHORD 2-13=-836/39, 3-13=-763/56, 3-14=-763/56, 4-14=-836/39
 CHORD 2-6=-19/768, 4-6=-19/768

DESIGN NOTES:
 balanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 LL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 balanced snow loads have been considered for this design.
 this truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs
 concurrent with other live loads.
 this truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 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.
 provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 this truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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white or brown
SCREEN

architectural
plans

vinyl
floor
screen