

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 29262-29262A
16 PRINCE PLACE - FLOOR

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I48998845 thru I48998866

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



November 30, 2021

Sevier, Scott

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998845
29262-29262A	F1	Floor	5	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:43:37 2021 Page 1
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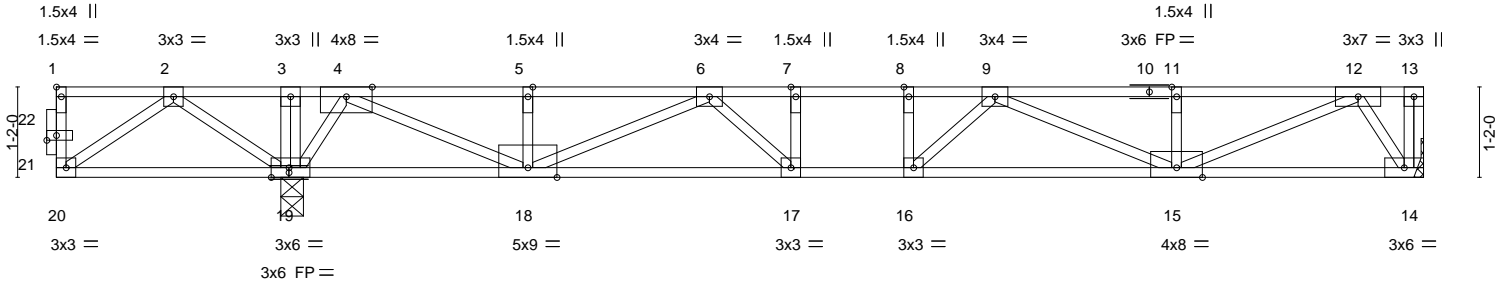
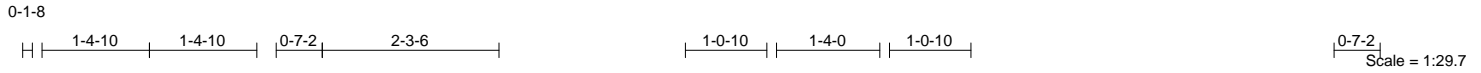


Plate Offsets (X,Y)--	[1:Edge,0-0-12], [19:0-2-12,Edge], [21:0-1-8,0-0-12]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.71	Vert(LL) -0.15	16	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.81	Vert(CT) -0.21	15-16	>823	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.77	Horz(CT) 0.03	14	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 93 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 19=0-3-8, 14=Mechanical
Max Grav 19=1347(LC 1), 14=757(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/878, 3-4=0/877, 4-5=-1454/191, 5-6=-1454/191, 6-7=-2472/0, 7-8=-2472/0, 8-9=-2472/0, 9-11=-1782/0, 11-12=-1782/0
BOT CHORD 19-20=-314/0, 18-19=-703/32, 17-18=0/2260, 16-17=0/2472, 15-16=0/2398, 14-15=0/526
WEBS 2-20=0/387, 2-19=-688/0, 4-19=-1022/0, 12-14=-926/0, 4-18=0/1615, 5-18=-251/0, 12-15=0/1374, 6-18=-942/0, 9-15=-675/0, 6-17=0/593, 9-16=-231/346, 7-17=-307/0

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - Refer to girder(s) for truss to truss connections.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 160 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-20=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 1=-160(F)



November 30, 2021

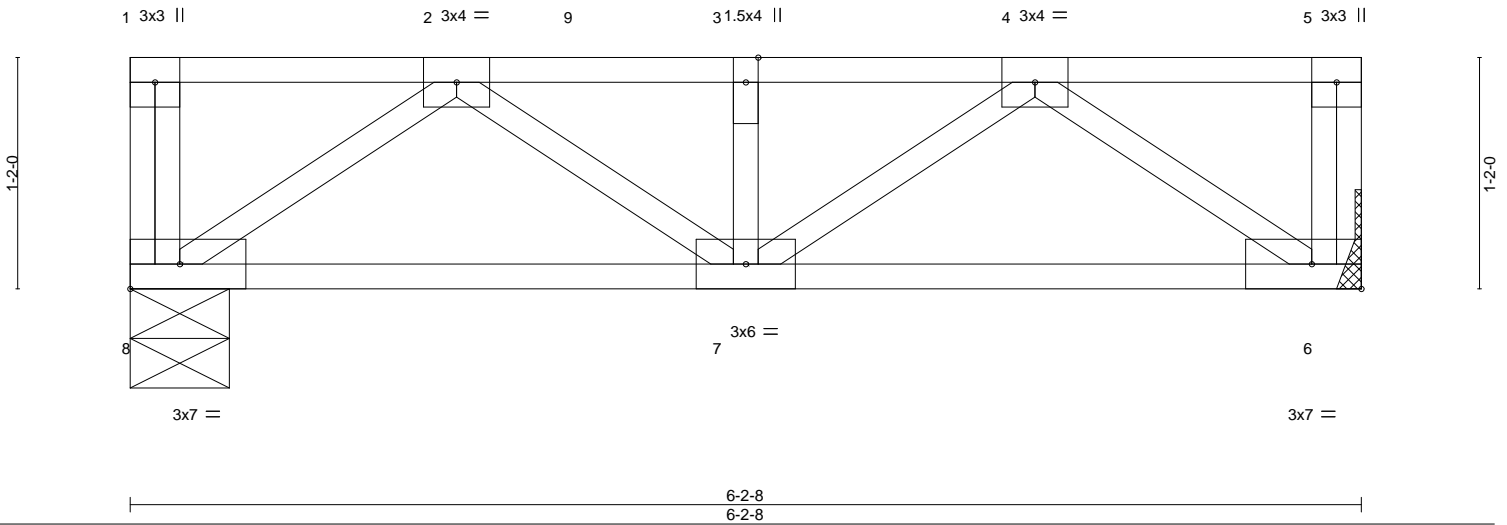
Job 29262-29262A	Truss F1G	Truss Type Floor Girder	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998846
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:00 2021 Page 1
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1-4-12

Scale = 1:11.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.89	Vert(LL) -0.02	7	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.44	Vert(CT) -0.03	7	>999		
BCLL 0.0	Rep Stress Incr	NO	WB 0.38	Horz(CT) 0.01	6	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-P				Weight: 35 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

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.

(size) 8=0-6-0, 6=Mechanical
Max Grav 8=1480(LC 1), 6=990(LC 1)

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

TOP CHORD 1-8=-653/0, 2-3=-1610/0, 3-4=-1610/0
BOT CHORD 7-8=0/1187, 6-7=0/1314
WEBS 2-8=-1439/0, 2-7=0/520, 3-7=-482/0, 4-7=0/364, 4-6=-1593/0

NOTES-

- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 631 lb down at 0-1-8, and 592 lb down at 2-4-4, and 592 lb down at 4-4-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-8=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 1=-631(F) 4=-592(F) 9=-592(F)



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998847
29262-29262A	F2	Floor	2	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:01 2021 Page 1
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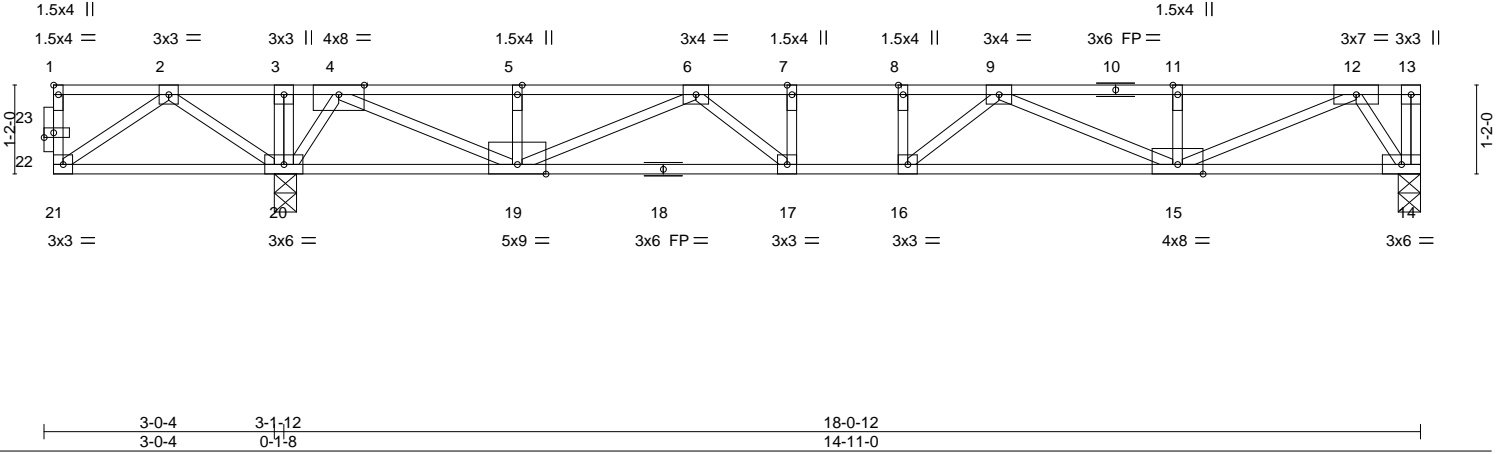
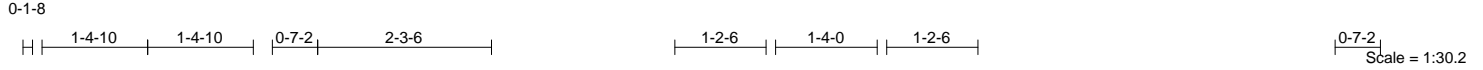


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [22:0-1-8,0-0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.71	Vert(LL)	-0.17	16	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.85	Vert(CT)	-0.23	15-16	>777		
BCLL 0.0	Rep Stress Incr	NO	WB 0.79	Horz(CT)	0.04	14	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S					Weight: 94 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 20=0-3-8, 14=0-3-8
Max Grav 20=1362(LC 1), 14=774(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/879, 3-4=0/877, 4-5=-1498/182, 5-6=-1498/182, 6-7=-2585/0, 7-8=-2585/0, 8-9=-2585/0, 9-11=-1831/0, 11-12=-1831/0
BOT CHORD 20-21=-315/0, 19-20=-702/42, 17-19=0/2337, 16-17=0/2585, 15-16=0/2485, 14-15=0/538
WEBS 2-21=0/387, 2-20=-689/0, 4-20=-1040/0, 12-14=-946/0, 4-19=0/1652, 5-19=-250/0, 12-15=0/1415, 6-19=-977/0, 9-15=-715/0, 6-17=0/625, 9-16=-218/375, 7-17=-297/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.
 - 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 160 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-21=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 1=-160(F)



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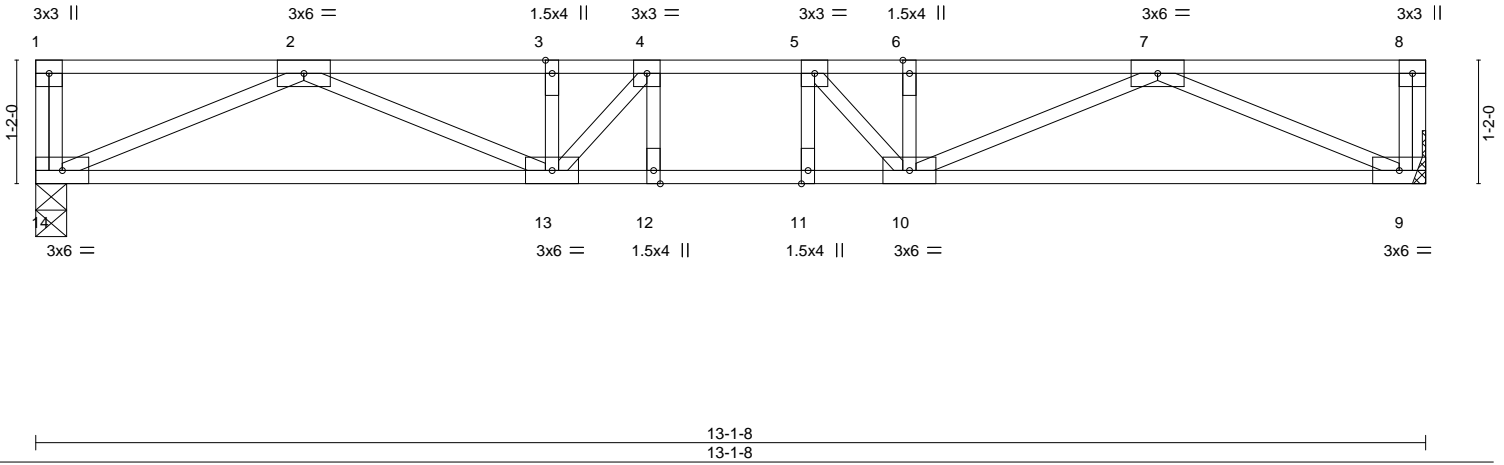
Job 29262-29262A	Truss F3	Truss Type Floor	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998848
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:02 2021 Page 1
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Scale = 1:21.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.37	Vert(LL) -0.11 11-12	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.65	Vert(CT) -0.15 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.39	Horz(CT) 0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S				Weight: 68 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

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.

(size) 14=0-3-8, 9=Mechanical
Max Grav 14=708(LC 1), 9=708(LC 1)

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

TOP CHORD 2-3=-2072/0, 3-4=-2072/0, 4-5=-2159/0, 5-6=-2072/0, 6-7=-2072/0
BOT CHORD 13-14=0/1367, 12-13=0/2159, 11-12=0/2159, 10-11=0/2159, 9-10=0/1367
WEBS 2-14=-1490/0, 7-9=-1490/0, 2-13=0/771, 7-10=0/771, 4-13=-360/125, 5-10=-360/125

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

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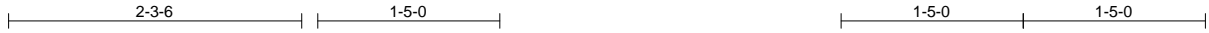


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998849
29262-29262A	F3G	Floor Girder	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:06 2021 Page 1
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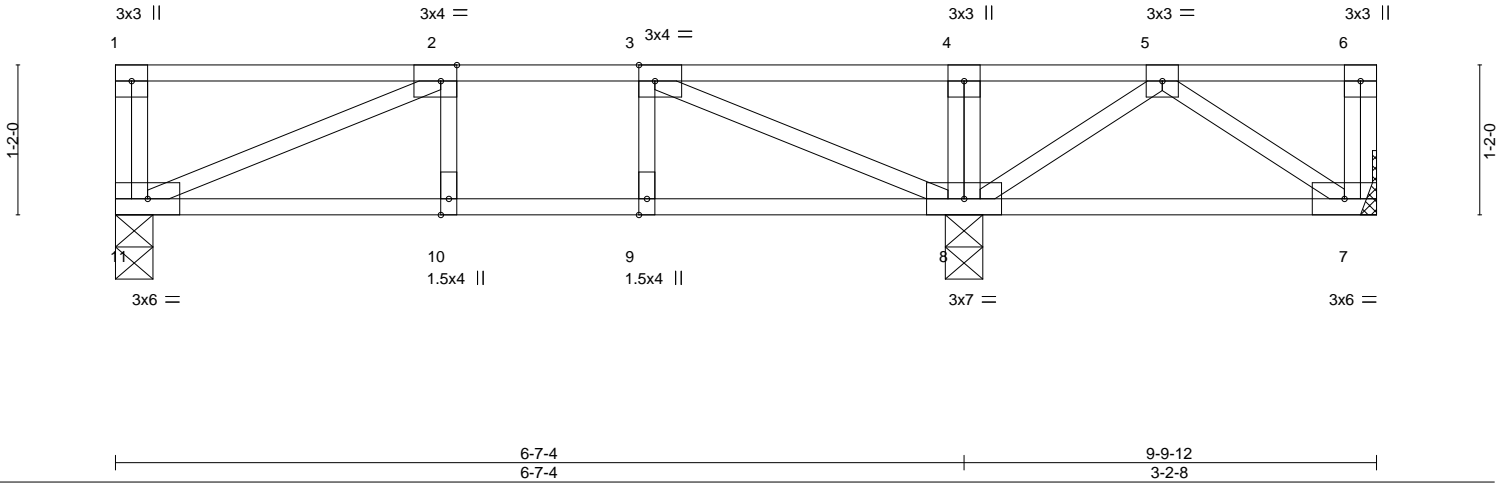


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.42	Vert(LL) -0.02	10	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.26	Vert(CT) -0.03	10-11	>999	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.19	Horz(CT) 0.01	7	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 52 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

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, Except: 6-0-0 oc bracing: 7-8.

REACTIONS. (size) 11=0-3-8, 7=Mechanical, 8=0-3-8
Max Uplift 7=-12(LC 3)
Max Grav 11=360(LC 7), 7=168(LC 7), 8=727(LC 8)

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

TOP CHORD 2-3=-561/0, 3-4=-12/333, 4-5=-15/327
BOT CHORD 10-11=0/561, 9-10=0/561, 8-9=0/561
WEBS 2-11=-609/0, 3-8=-741/0, 5-8=-328/0

NOTES-

- Unbalanced floor live loads have been considered for this design.
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 7.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down at 4-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-10, 1-6=-100
Concentrated Loads (lb)
Vert: 3=-72(F)



November 30, 2021

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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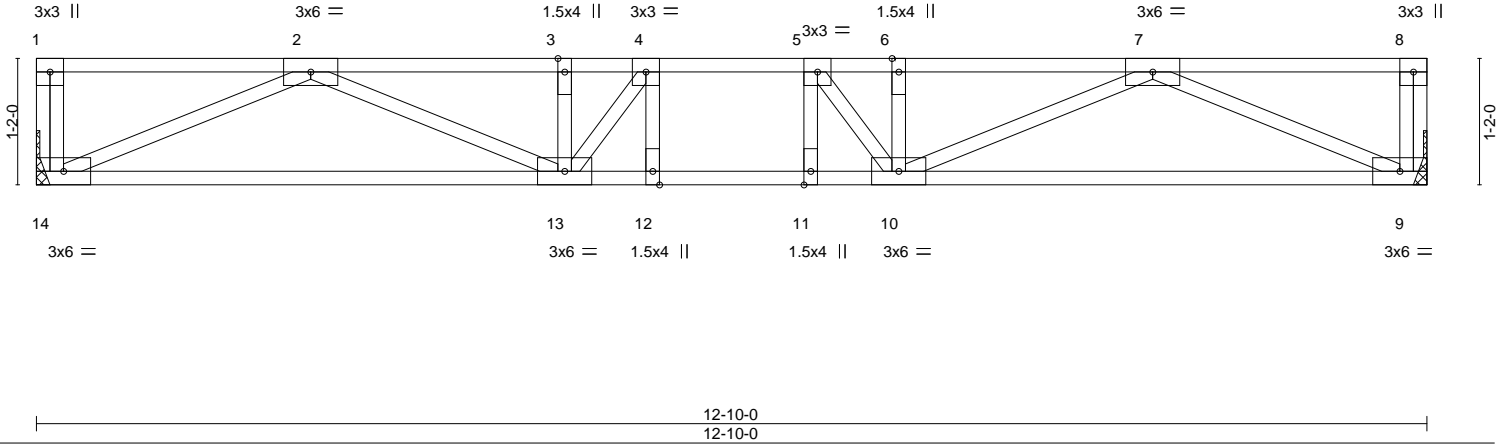
Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998850
29262-29262A	F4	Floor	3	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:07 2021 Page 1
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Scale = 1:21.3



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	2-0-0	Plate Grip DOL	1.00	TC	0.37	in	(loc)	l/defl	L/d	MT20	197/144	
TCDL	10.0	1.00	Lumber DOL	1.00	BC	0.63	Vert(LL)	-0.10 11-12	>999	480			
BCLL	0.0	YES	Rep Stress Incr	YES	WB	0.38	Vert(CT)	-0.14 11-12	>999	360			
BCDL	5.0	Code IRC2015/TPI2014	Code	IRC2015/TPI2014	Matrix-S		Horz(CT)	0.03 9	n/a	n/a			Weight: 67 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

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.

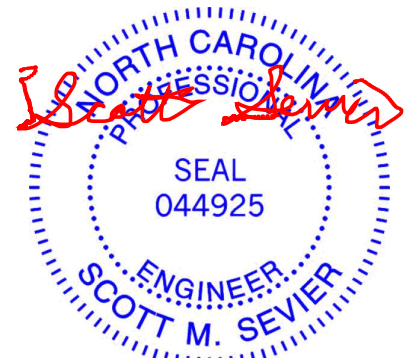
(size) 14=Mechanical, 9=Mechanical
Max Grav 14=692(LC 1), 9=692(LC 1)

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

TOP CHORD 2-3=-2000/0, 3-4=-2000/0, 4-5=-2062/0, 5-6=-2000/0, 6-7=-2000/0
BOT CHORD 13-14=0/1330, 12-13=0/2062, 11-12=0/2062, 10-11=0/2062, 9-10=0/1330
WEBS 2-14=-1450/0, 7-9=-1450/0, 2-13=0/732, 7-10=0/732, 4-13=-340/146, 5-10=-340/146

NOTES-

- Unbalanced floor live loads have been considered for this design.
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

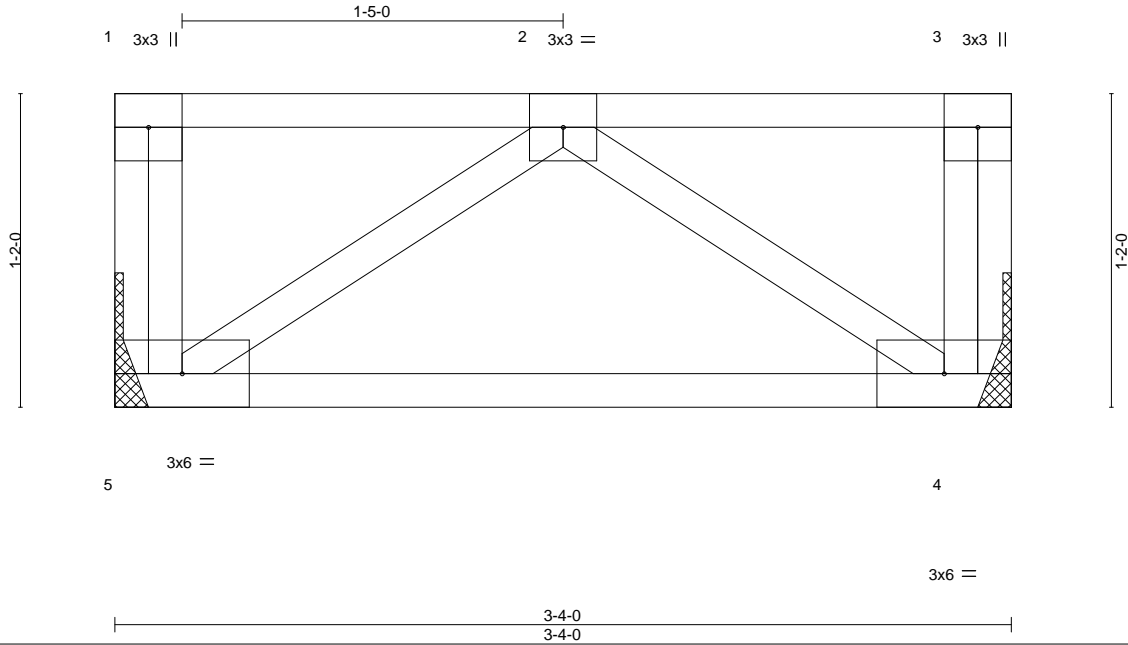


818 Soundside Road
Edenton, NC 27932

Job 29262-29262A	Truss F4G	Truss Type Floor Girder	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998851
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:08 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-O_NfUntmOgJALMRIOpSkMYGTxHvJVN7YKe4UWlyEHBL



Scale = 1:8.6

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0 Plate Grip DOL 1.00	TC 0.16	Vert(LL) 0.00	5	****	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.13	Vert(CT) -0.01	4-5	>999	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.04	Horz(CT) 0.00	4	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-P					Weight: 20 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 4=Mechanical
Max Grav 5=172(LC 1), 4=172(LC 1)

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

NOTES-

- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down at 1-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-5=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 2=-4(B)



November 30, 2021

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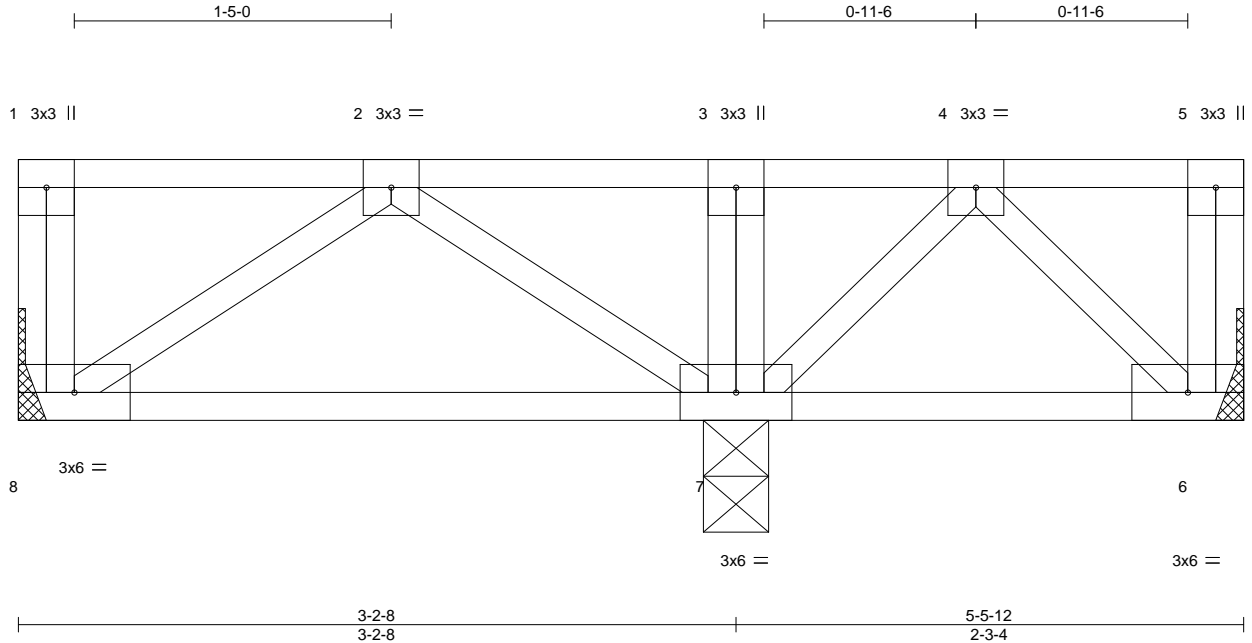


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998852
29262-29262A	F5	Floor	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:08 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-O_NfUntmOgJALMRIOpSkMYGTNHw2VN5YKe4UWlyEHBL



Scale = 1:10.3

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.14	Vert(LL) 0.00	7	****	480	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.09	Vert(CT) -0.01	7-8	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Horz(CT) 0.00	6	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-P					Weight: 33 lb	FT = 20%F, 11%E
	Code IRC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=Mechanical, 6=Mechanical, 7=0-3-8
Max Grav 8=152(LC 3), 6=104(LC 4), 7=338(LC 1)

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

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.



November 30, 2021

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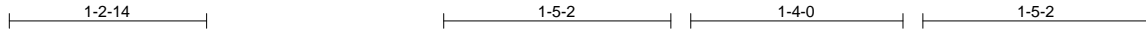


818 Soundside Road
Edenton, NC 27932

Job 29262-29262A	Truss F6	Truss Type Floor	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998853
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:09 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-sBx2i7uO9zR1yW0xyWzzvmpeBhFrEpniYiq12kyEHBK



Scale = 1:14.5

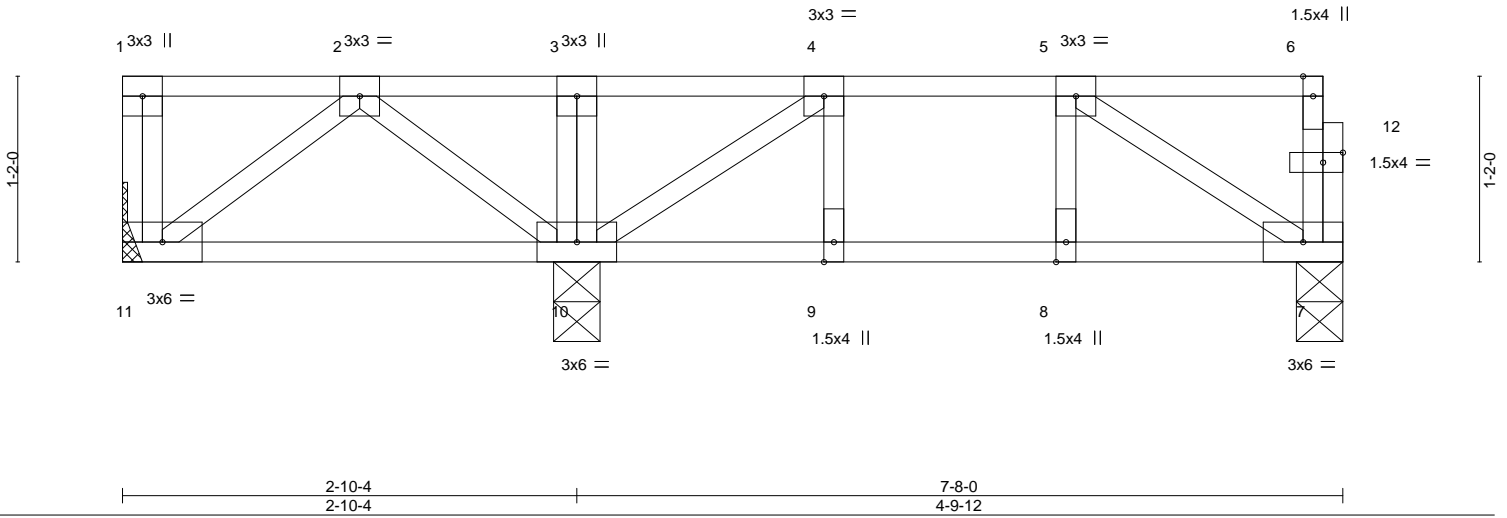


Plate Offsets (X,Y)-- [12:0-1-8,0-0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.13	Vert(LL)	-0.01	8	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.11	Vert(CT)	-0.01	8	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-P						Weight: 43 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

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.

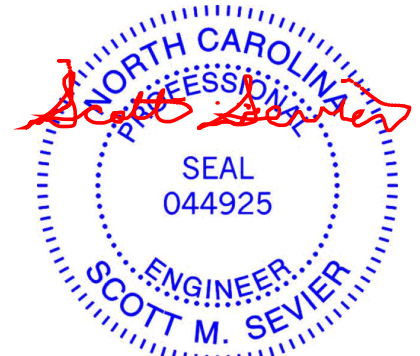
REACTIONS. (size) 11=Mechanical, 7=0-3-8, 10=0-3-8
 Max Grav 11=177(LC 8), 7=245(LC 8), 10=461(LC 7)

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

TOP CHORD 4-5=-265/0
 BOT CHORD 9-10=0/265, 8-9=0/265, 7-8=0/265
 WEBS 4-10=-328/0, 5-7=-311/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.



November 30, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

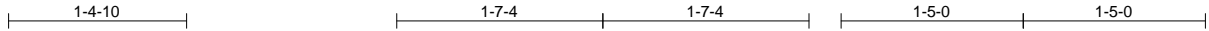


818 Soundside Road
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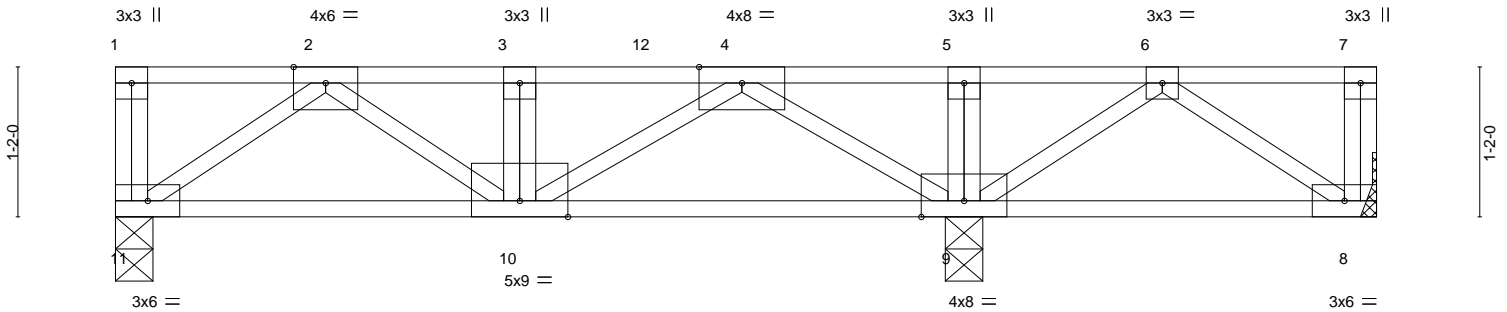
Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998854
29262-29262A	F6G	Floor Girder	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

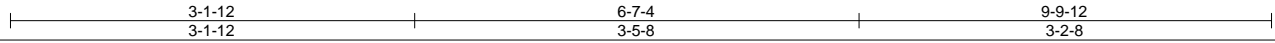
8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:09 2021 Page 1
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Scale = 1:17.9



FASTEN TRUSS TO BEARING FOR THE UPLIFT REACTION SHOWN WHILE PERMITTING NO UPWARD MOVEMENT OF THE BEARING.



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL	1.00	TC 0.49	Vert(LL) -0.03	10	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT) -0.04	10	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.74	Horz(CT) 0.01	9	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 56 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS.

(size) 11=0-3-8, 8=Mechanical, 9=0-3-8
Max Uplift 8=-278(LC 3)
Max Grav 11=887(LC 3), 9=1638(LC 1)

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

TOP CHORD 2-3=-2106/0, 3-4=-2097/0, 4-5=0/938, 5-6=0/938
BOT CHORD 10-11=0/1174, 9-10=0/784, 8-9=-447/0
WEBS 3-10=-1410/0, 6-9=-713/0, 6-8=0/539, 2-11=-1426/0, 2-10=0/1162, 4-10=0/1544, 4-9=-1994/0

NOTES-

- Unbalanced floor live loads have been considered for this design.
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 8.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1316 lb down at 3-1-12, and 152 lb down at 4-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-11=-10, 1-7=-100
Concentrated Loads (lb)
Vert: 3=-1236(F) 12=-72(B)



November 30, 2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998855
29262-29262A	F7	Floor	2	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:10 2021 Page 1
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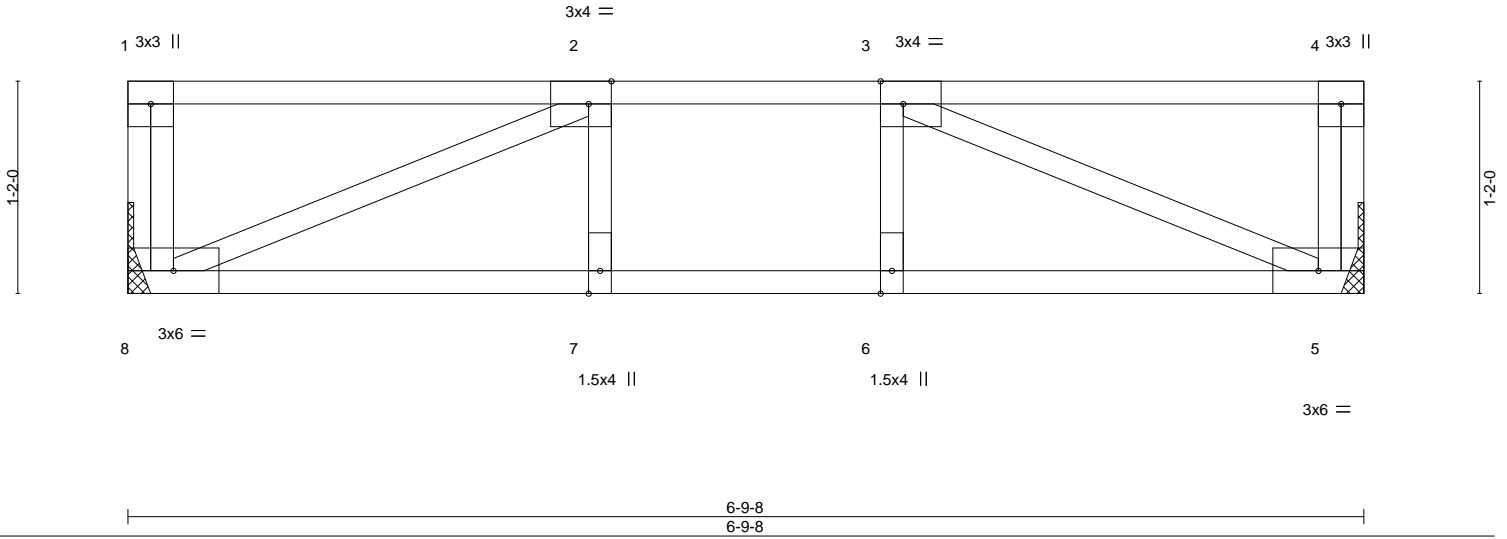


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge]

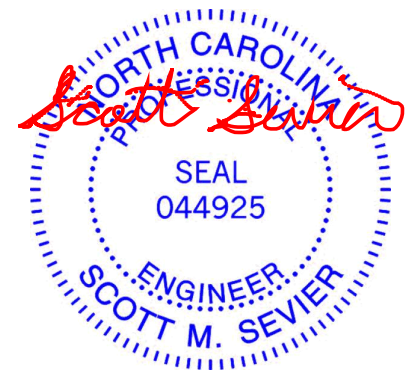
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.41	Vert(LL)	-0.03	7-8	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.30	Vert(CT)	-0.04	7-8	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.16	Horz(CT)	0.01	5	n/a	n/a		
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-S						Weight: 36 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 8=Mechanical, 5=Mechanical
Max Grav 8=360(LC 1), 5=360(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=576/0
BOT CHORD 7-8=0/576, 6-7=0/576, 5-6=0/576
WEBS 2-8=626/0, 3-5=626/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

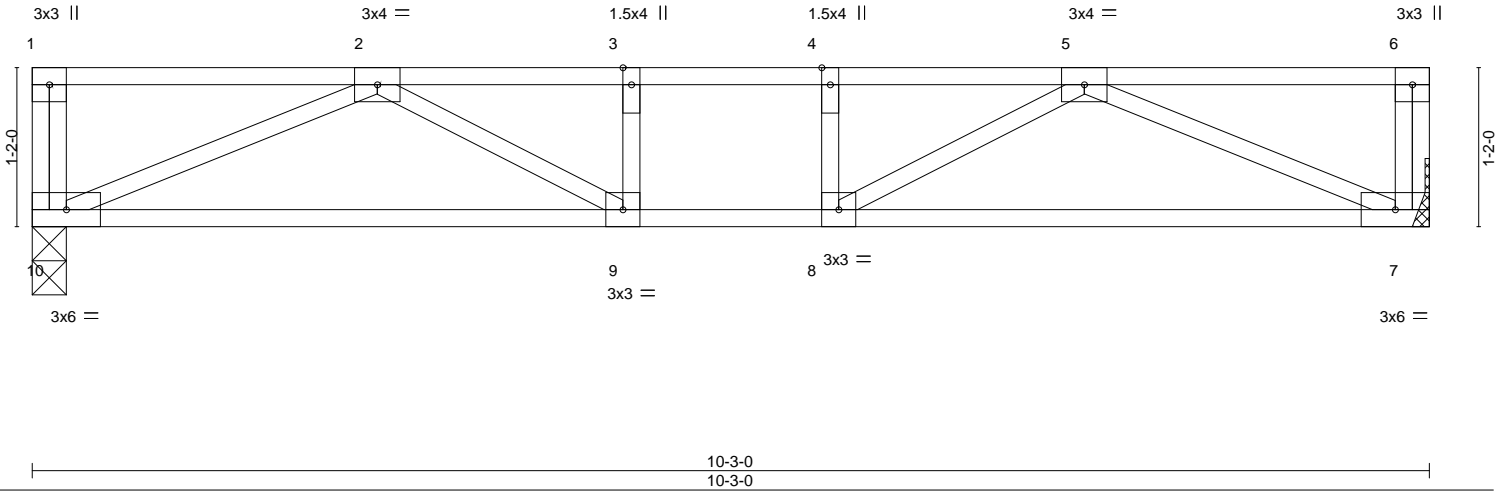
Job 29262-29262A	Truss F8	Truss Type Floor	Qty 3	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998856
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:11 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-oZ3o7pwehbilCqAK4x?R_BuynVsDig2_0bJ86cyEHBI



Scale = 1:16.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.44	Vert(LL) -0.07 7-8 >999 480	Weight: 52 lb FT = 20%F, 11%E	
BCLL 0.0	Lumber DOL 1.00	WB 0.29	Vert(CT) -0.10 9-10 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.02 7 n/a n/a		
	Code IRC2015/TPI2014				

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
WEBS 2x4 SP No.3(flat)

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.

(size) 10=0-3-0, 7=Mechanical
Max Grav 10=550(LC 1), 7=550(LC 1)

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

TOP CHORD 2-3=-1314/0, 3-4=-1314/0, 4-5=-1314/0
BOT CHORD 9-10=0/998, 8-9=0/1314, 7-8=0/998
WEBS 2-10=-1087/0, 5-7=-1087/0, 2-9=0/461, 5-8=0/461

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

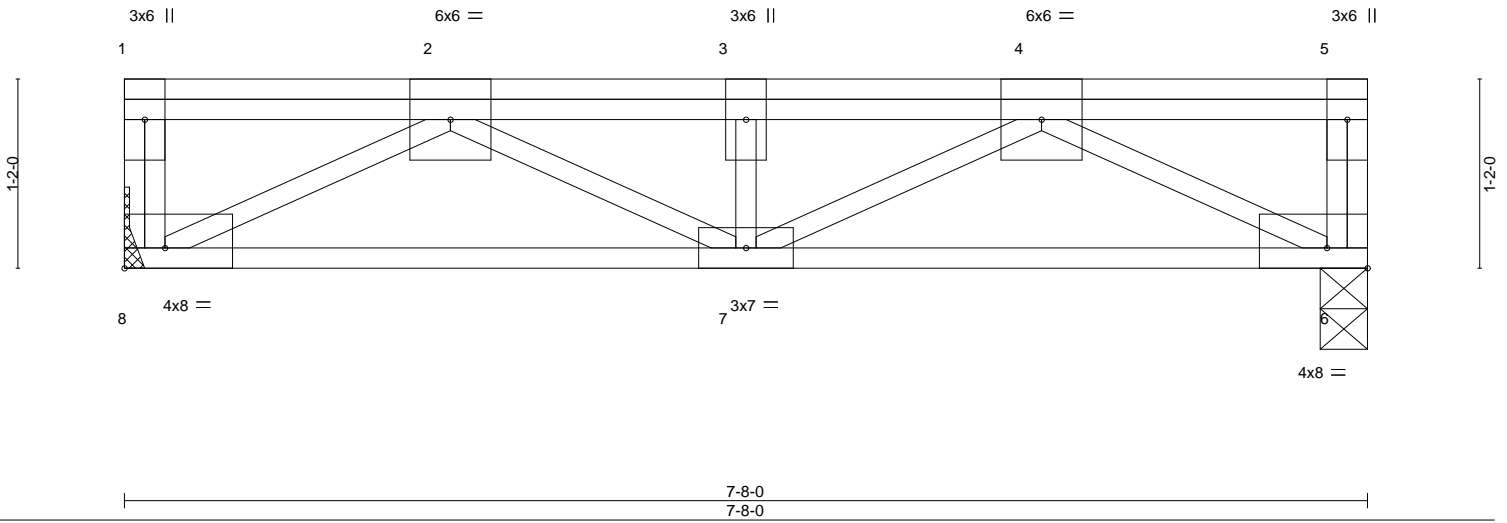
Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998857
29262-29262A	F8G	FLOOR GIRDER	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:14 2021 Page 1
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1-9-2

Scale = 1:14.2



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.05	7	>999	480	MT20	197/144	
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.08	7	>999	360	Weight: 52 lb FT = 20%F, 11%E		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.03	6	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P									

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (size) 8=Mechanical, 6=0-3-8
Max Grav 8=1336(LC 1), 6=1426(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3299/0, 3-4=-3299/0
BOT CHORD 7-8=0/2340, 6-7=0/2505
WEBS 2-8=-2636/0, 2-7=0/1089, 3-7=-903/0, 4-7=0/902, 4-6=-2822/0

- NOTES-**
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - Refer to girder(s) for truss to truss connections.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 450 lb down at 1-10-4, 77 lb down at 1-10-4, 450 lb down at 3-10-4, 260 lb down at 3-10-4, and 450 lb down at 5-10-4, and 260 lb down at 5-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-8=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 2=-527(F=-77, B=-450) 3=-710(F=-260, B=-450) 4=-710(F=-260, B=-450)



Job 29262-29262A	Truss F9	Truss Type Floor	Qty 6	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998858
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:22 2021 Page 1
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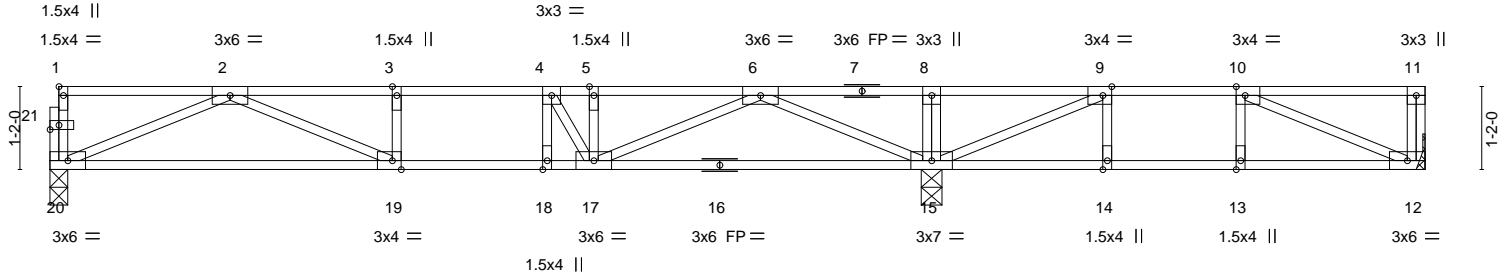


Plate Offsets (X,Y)--	[1:Edge,0-0-12], [9:0-1-8,Edge], [10:0-1-8,Edge], [19:0-1-8,Edge], [21:0-1-8,0-0-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.52	Vert(LL) -0.11	19-20	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.67	Vert(CT) -0.18	19-20	>834	360		
BCLL 0.0	Rep Stress Incr YES	WB 0.39	Horz(CT) 0.03	12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 96 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 20=0-3-0, 15=0-3-8, 12=Mechanical
Max Grav 20=643(LC 10), 15=1168(LC 9), 12=351(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1809/0, 3-4=-1809/0, 4-5=-1732/0, 5-6=-1732/0, 6-8=0/581, 8-9=0/581, 9-10=-532/59
BOT CHORD 19-20=0/1225, 18-19=0/1809, 17-18=0/1809, 15-17=0/1043, 14-15=-59/532, 13-14=-59/532, 12-13=-59/532
WEBS 2-20=-1328/0, 6-15=-1464/0, 2-19=0/640, 6-17=0/829, 4-17=-475/73, 9-15=-890/0, 10-12=-578/64

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.



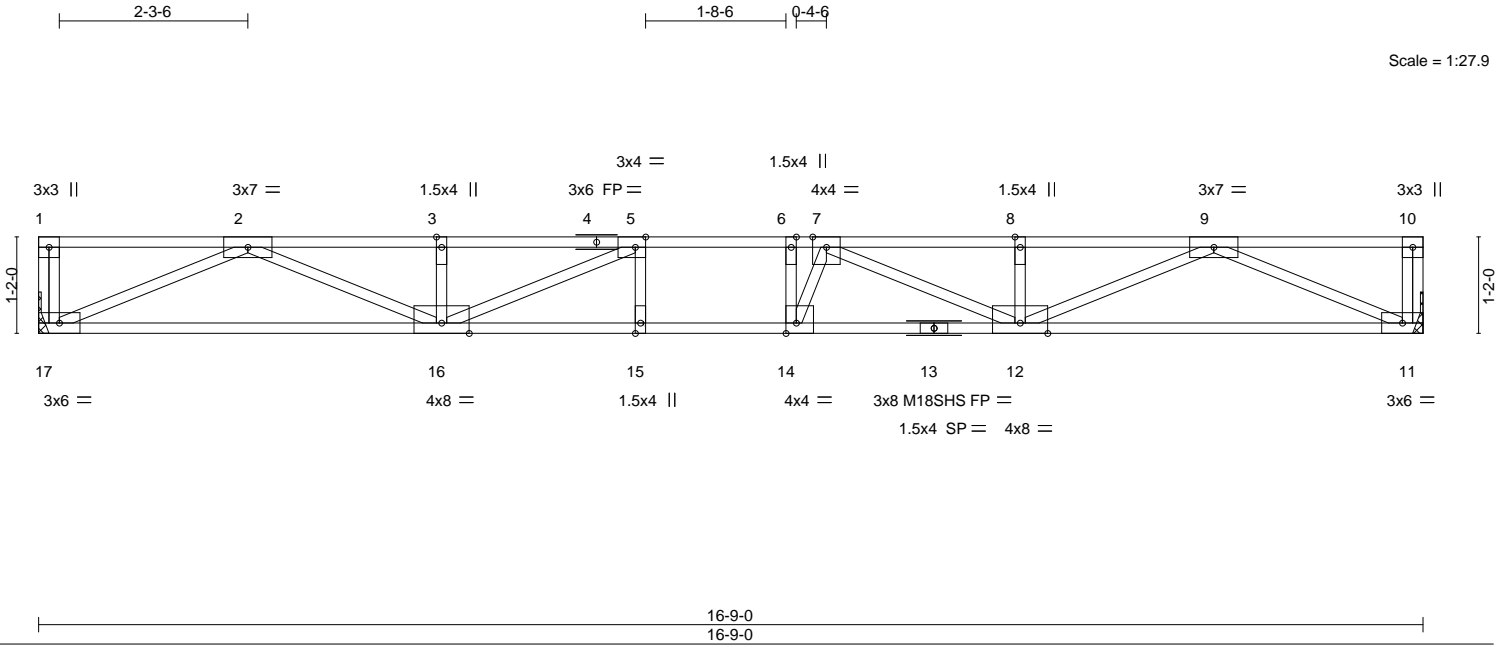
November 30, 2021

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998859
29262-29262A	F10	Floor	3	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:43:43 2021 Page 1
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Scale = 1:27.9



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.77	Vert(LL)	-0.26 14-15	>765	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.99	Vert(CT)	-0.36 14-15	>554	360	M18SHS	197/144
BCLL 0.0	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.06 11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 84 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat) *Except* 11-13: 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 12-14.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 17=Mechanical, 11=Mechanical
Max Grav 17=907(LC 1), 11=907(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2990/0, 3-5=-2990/0, 5-6=-3557/0, 6-7=-3557/0, 7-8=-2991/0, 8-9=-2991/0
BOT CHORD 16-17=0/1821, 15-16=0/3557, 14-15=0/3557, 12-14=0/3539, 11-12=0/1820
WEBS 2-17=-1984/0, 9-11=-1984/0, 2-16=0/1280, 3-16=-267/2, 9-12=0/1281, 5-16=-845/0,
7-12=-666/0, 7-14=-335/518, 6-14=-389/244

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) The Fabrication Tolerance at joint 13 = 11%
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998860
29262-29262A	F10G	Floor Girder	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:43:46 2021 Page 1
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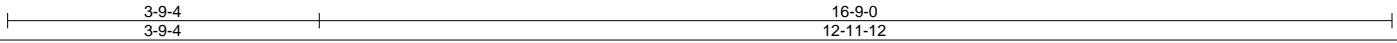
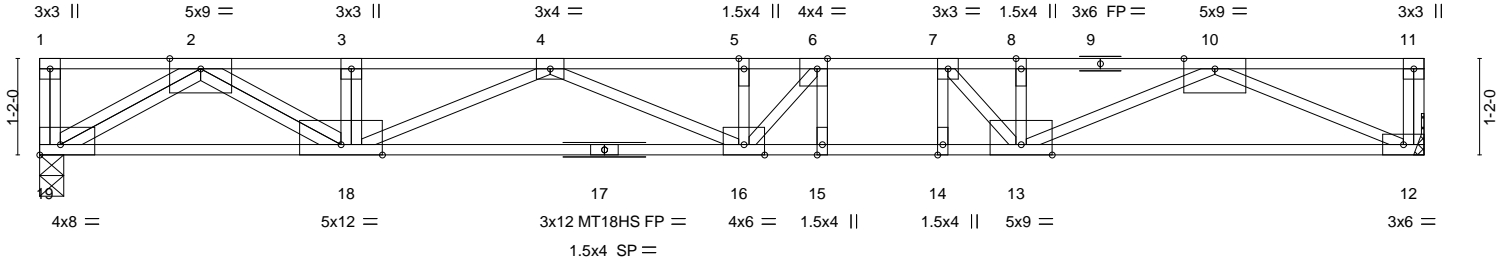


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [19:Edge,0-1-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.75	Vert(LL) -0.33	15-16	>594	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.89	Vert(CT) -0.46	15-16	>429	360	MT18HS	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.81	Horz(CT) 0.07	12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 93 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP DSS(flat) *Except*
9-11: 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP DSS(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 19=0-3-8, 12=Mechanical
Max Grav 19=1601(LC 1), 12=1104(LC 1)

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

TOP CHORD 2-3=-4923/0, 3-4=-4923/0, 4-5=-5174/0, 5-6=-5174/0, 6-7=-4591/0, 7-8=-3832/0, 8-10=-3832/0
BOT CHORD 18-19=0/2635, 16-18=0/5324, 15-16=0/4591, 14-15=0/4591, 13-14=0/4591, 12-13=0/2277
WEBS 3-18=-1095/0, 2-19=-3035/0, 2-18=0/2635, 4-18=-437/0, 10-12=-2481/0, 4-16=-349/0, 5-16=-402/0, 10-13=0/1702, 6-16=0/1063, 7-13=-1303/0, 6-15=-431/0, 7-14=0/412

NOTES-

- Unbalanced floor live loads have been considered for this design.
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 17 = 11%
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 970 lb down at 3-9-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-11=-100
Concentrated Loads (lb)
Vert: 3=-890(F)



November 30, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998861
29262-29262A	F11	Floor	5	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:43:53 2021 Page 1
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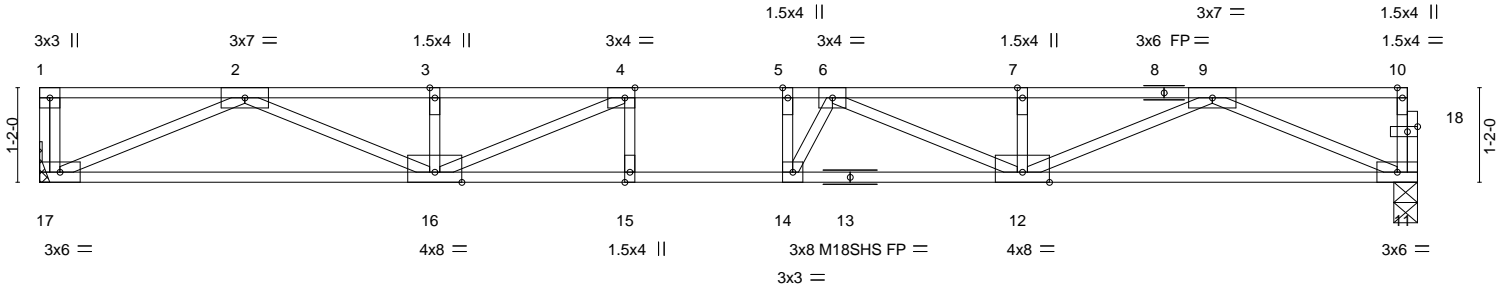


Plate Offsets (X,Y)--	[4:0-1-8,Edge], [18:0-1-8,0-0-12]
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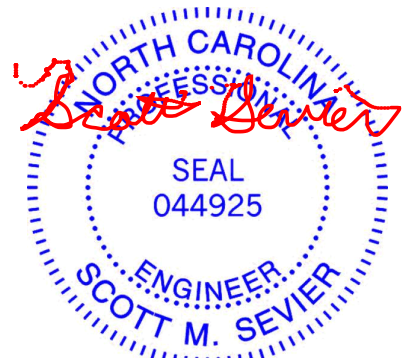
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.87	Vert(LL) -0.27	14	>740	480	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.81	Vert(CT) -0.37	14-15	>536	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.63	Horz(CT) 0.06	11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 84 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 17=Mechanical, 11=0-3-8
Max Grav 17=921(LC 1), 11=915(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3050/0, 3-4=-3050/0, 4-5=-3660/0, 5-6=-3660/0, 6-7=-3054/0, 7-9=-3054/0
BOT CHORD 16-17=0/1852, 15-16=0/3660, 14-15=0/3660, 12-14=0/3629, 11-12=0/1850
WEBS 2-17=-2018/0, 9-11=-2010/0, 2-16=0/1311, 3-16=-267/9, 9-12=0/1317, 4-16=-897/0, 6-12=-678/0, 6-14=-285/499, 5-14=-349/183

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.



November 30, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



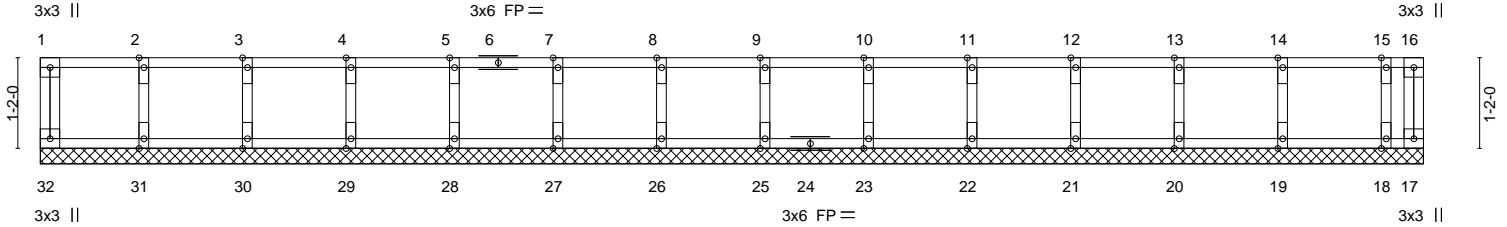
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998862
29262-29262A	KW1	Floor Supported Gable	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:25 2021 Page 1
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Scale = 1:29.7



17-9-12
17-9-12

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) n/a - n/a 999	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 17 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R		Weight: 76 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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.

All bearings 17-9-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 23, 22, 21, 20, 19, 18

FORCES.

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

NOTES-

- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- N/A
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



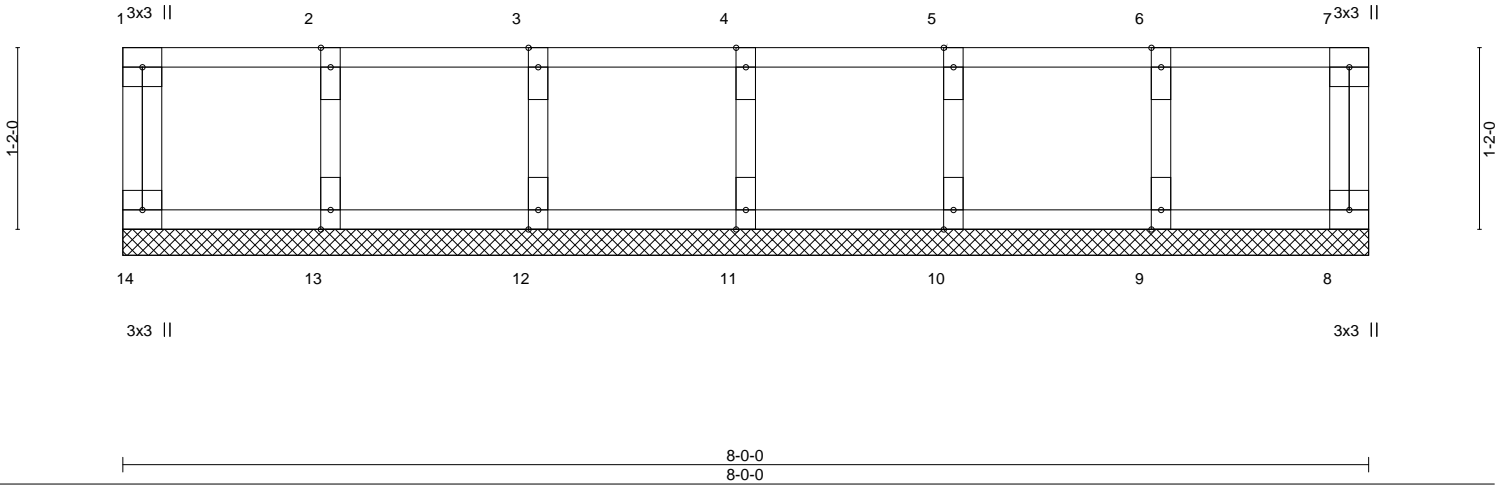
818 Soundside Road
Edenton, NC 27932

Job 29262-29262A	Truss KW3	Truss Type Floor Supported Gable	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998863
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:31 2021 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0 Plate Grip DOL 1.00	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	8	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 36 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 8-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

- NOTES-**
- 1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 2) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998864
29262-29262A	KW5	Floor Supported Gable	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:32 2021 Page 1
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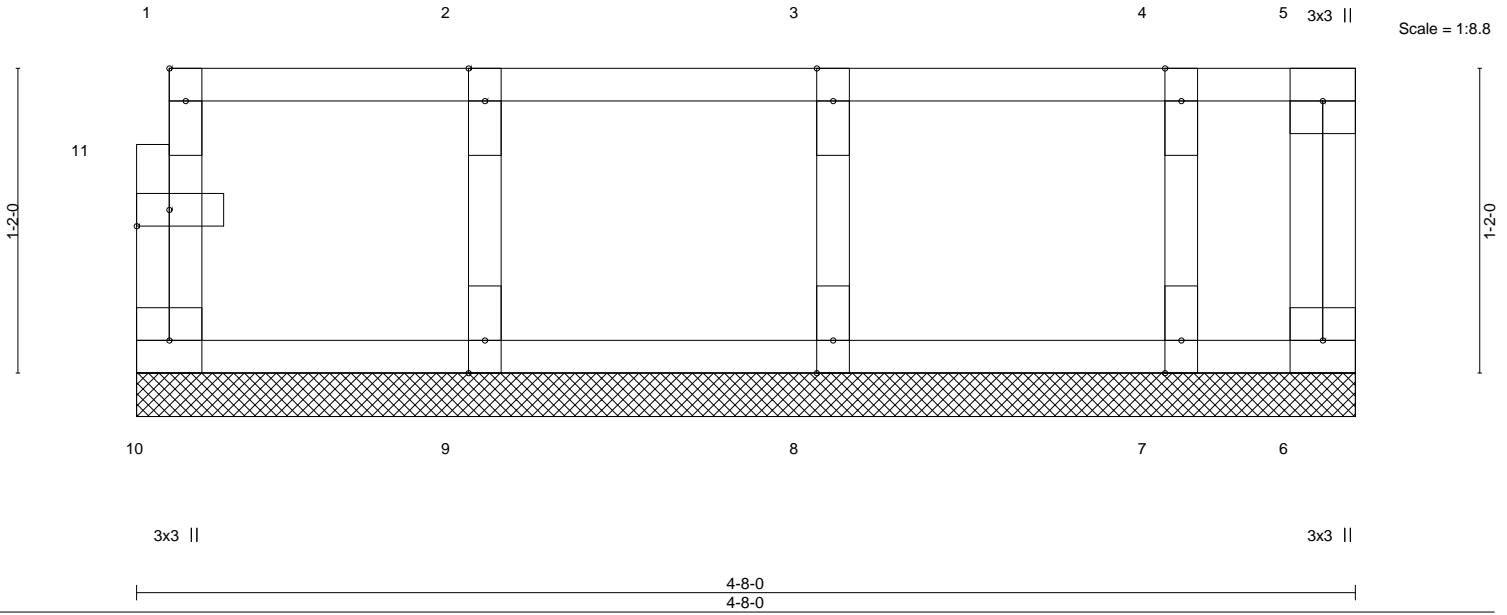


Plate Offsets (X,Y)--	[1:Edge,0-0-12], [11:0-1-8,0-0-12]							
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) n/a	-	n/a	999	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	6	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 23 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 4-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

- NOTES-**
- 1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 2) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



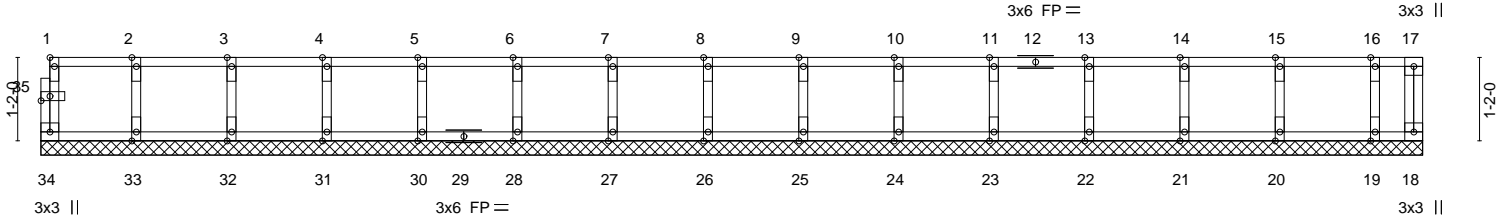
November 30, 2021

Job 29262-29262A	Truss KW9	Truss Type GABLE	Qty 1	Ply 1	16 PRINCE PLACE - FLOOR Job Reference (optional)	148998865
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84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:34 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-d?xVxgB4GfbUSMQlwGwrP1LwhmoAb7jNigOsQnyEHax

Scale: 3/8"=1'



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	16-0-0	17-4-0	18-8-0	19-4-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-8-0

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [35:0-1-8,0-0-12]														
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP				
TCLL 40.0	Plate Grip DOL	1.00	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	197/144				
TCDL 10.0	Lumber DOL	1.00	BC 0.02	Vert(CT)	n/a	-	n/a	999						
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	18	n/a	n/a						
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-R						Weight: 82 lb	FT = 20%F, 11%E				

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

REACTIONS. All bearings 19-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19

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

- NOTES-**
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30, 2021

Job	Truss	Truss Type	Qty	Ply	16 PRINCE PLACE - FLOOR	148998866
29262-29262A	KW11	Floor Supported Gable	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 15:44:26 2021 Page 1
ID:minGCUqRdNuhOuAvJVJ87Dz_qbA-sSTTGx539CbdV7pDSbmy5L0ZjX4NjWkCTRSQ8FyEHB3

0-1/8

Scale = 1:28.3

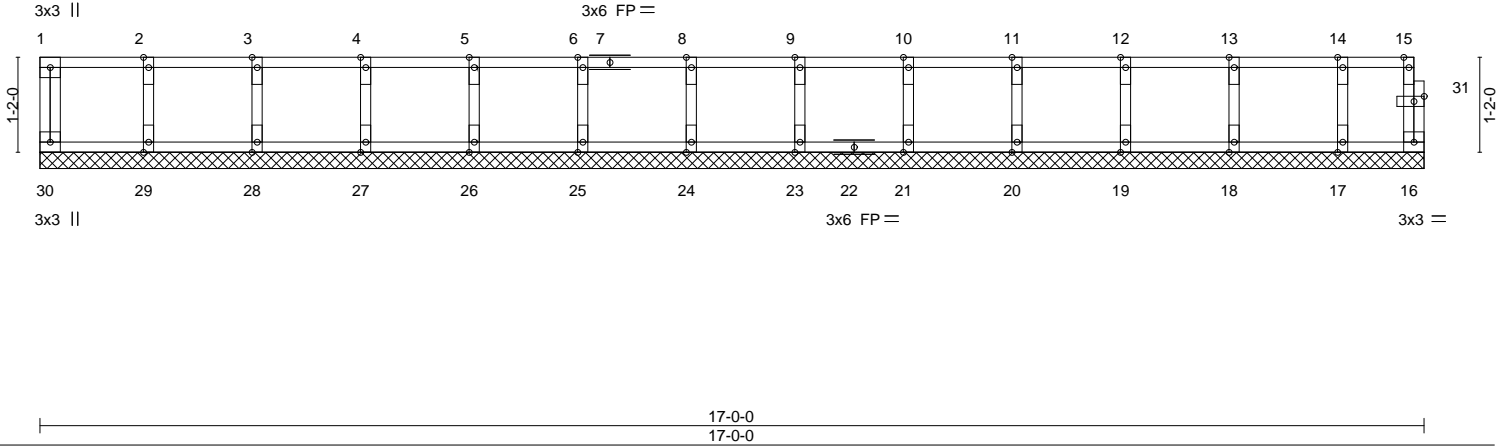


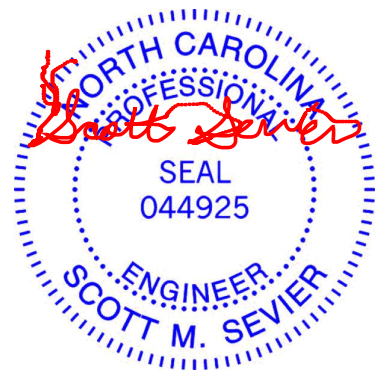
Plate Offsets (X,Y)--	[31:0-1-8,0-0-12]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) n/a - n/a 999	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 16 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R		Weight: 72 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 17-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17

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

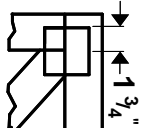
- NOTES-**
- 1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 2) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 7) CAUTION, Do not erect truss backwards.



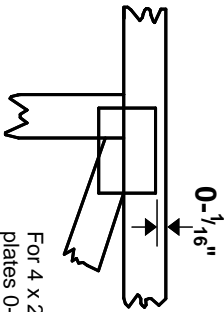
November 30, 2021

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in **MITek 20/20 software or upon request.**

PLATE SIZE

4 X 4

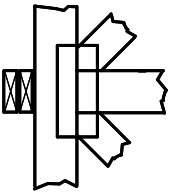
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



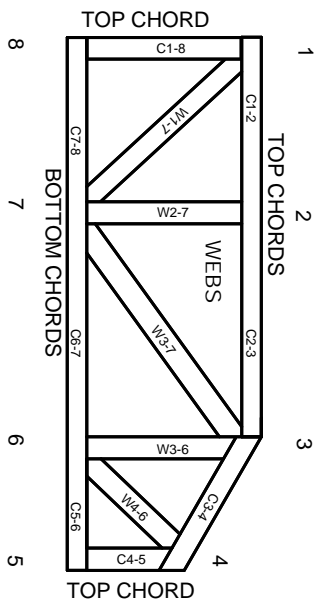
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TFP 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Rewriting pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.