Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F1	Floor Girder	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:14:59 2016 Page 1
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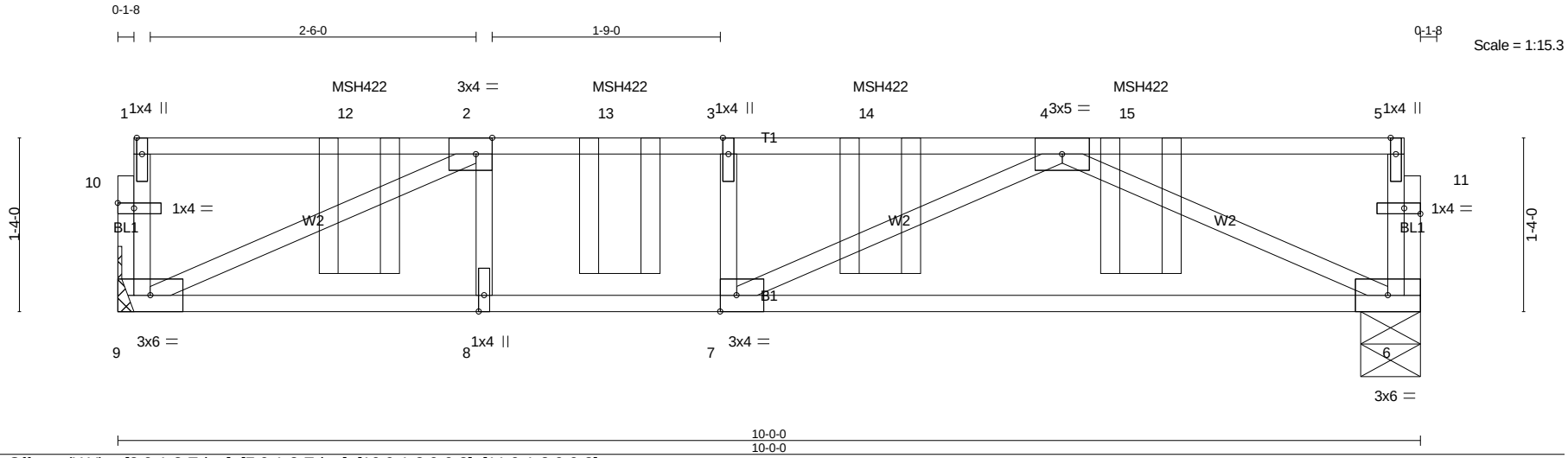

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-8,0-0-8], [11:0-1-8,0-0-8]

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	0.63	Vert(LL)	-0.22	6-7	>544	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(TL)	-0.42	6-7	>281	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 51 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP DSS(flat)
BOT CHORD 2x4 SP No.1(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. (lb/size) 9=904/Mechanical, 6=882/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1837/0, 3-13=-1837/0, 3-14=-1837/0, 4-14=-1837/0
BOT CHORD 8-9=0/1837, 7-8=0/1837, 6-7=0/1615
WEBS 4-6=-1772/0, 2-9=-2009/0, 4-7=0/323

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) Use USP MSH422 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 7-10-4 to connect truss(es) F3 (1 ply 2x4 SP) to front face of top chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) 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: 6-9=-10, 1-5=-100

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 12=-181(F) 13=-181(F) 14=-181(F) 15=-181(F)

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F2	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:00 2016 Page 1
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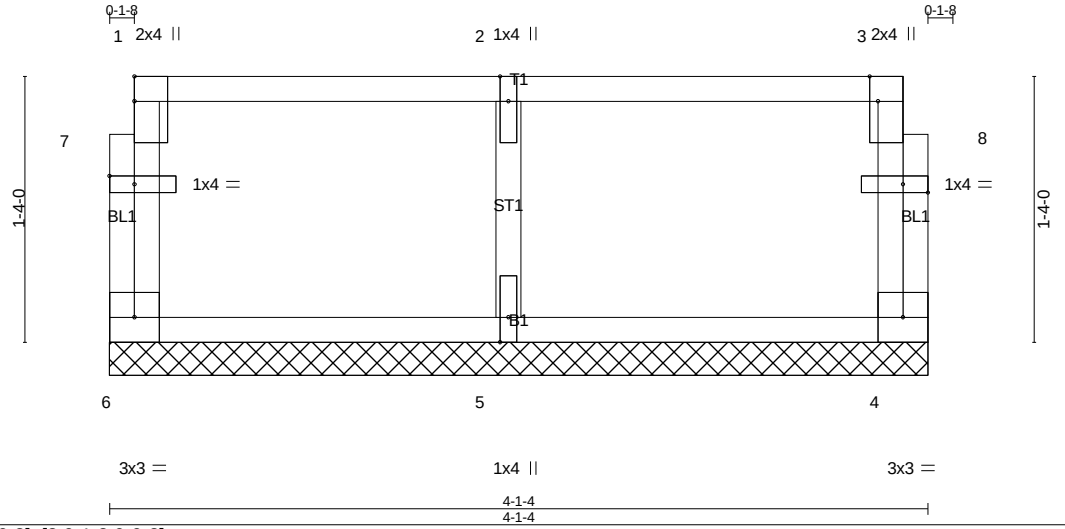

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:0-1-8,0-0-8], [8:0-1-8,0-0-8]

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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 19 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=94/4-1-4 (min. 0-1-8), 4=99/4-1-4 (min. 0-1-8), 5=219/4-1-4 (min. 0-1-8)

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

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F3	Floor	4	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:00 2016 Page 1
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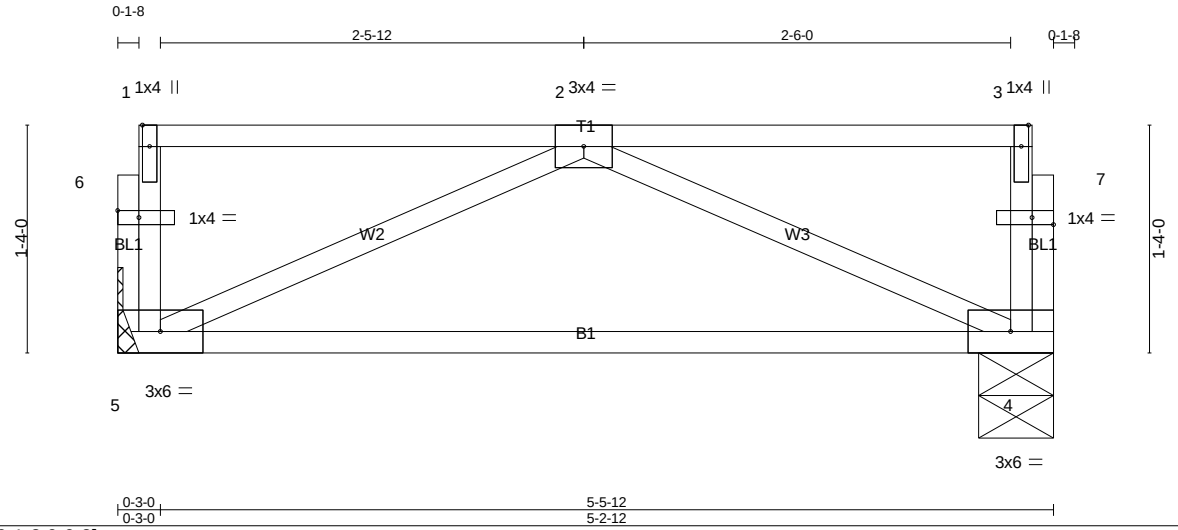

Plate Offsets (X,Y)-- [6:0-1-8,0-0-8], [7:0-1-8,0-0-8]

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	0.40	Vert(LL)	0.00	5	****	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(TL)	-0.18	4-5	>343	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 30 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=281/Mechanical, 4=281/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=0/348
WEBS 2-4=-377/0, 2-5=-378/0

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F4	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:01 2016 Page 1
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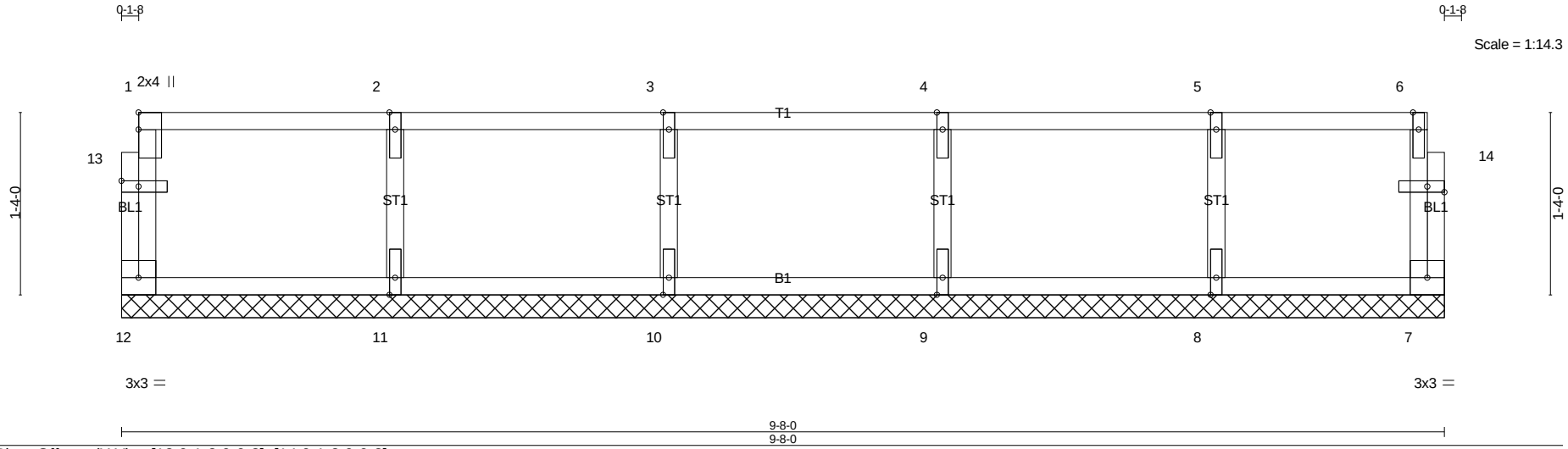

Plate Offsets (X,Y)-- [13:0-1-8,0-0-8], [14:0-1-8,0-0-8]

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 41 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 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 9-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) All plates are 1x4 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 2-0-0 oc.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F5	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:01 2016 Page 1
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0-1-8 0-1-8

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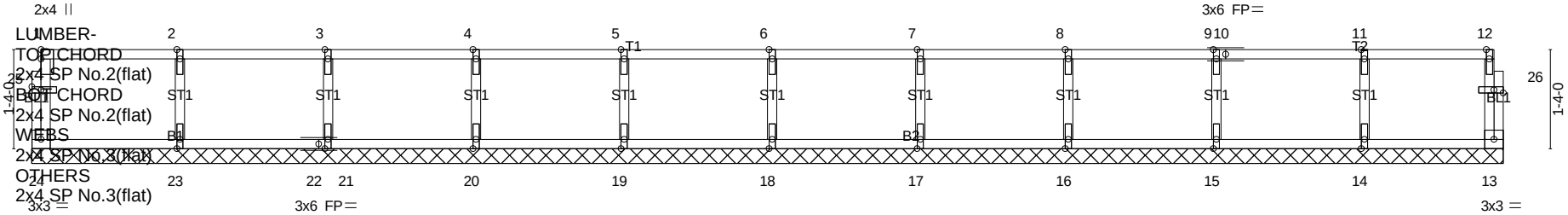

Plate Offsets (X,Y)-- [25:0-1-8,0-0-8], [26:0-1-8,0-0-8]

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	13	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 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 19-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) All plates are 1x4 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 2-0-0 oc.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F6	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:02 2016 Page 1
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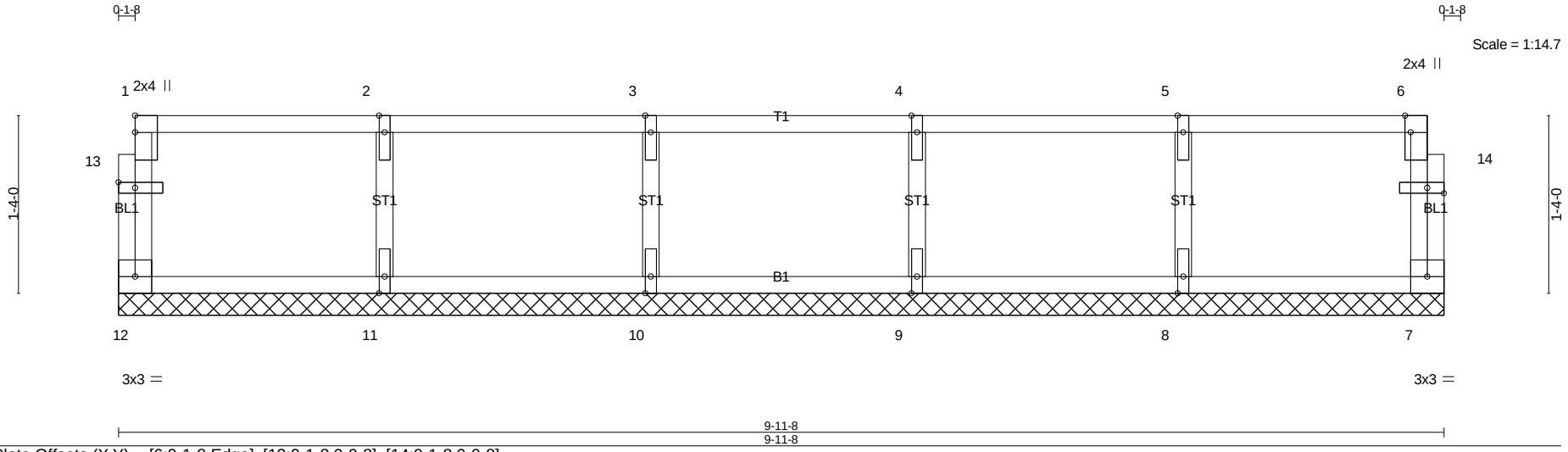

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [13:0-1-8,0-0-8], [14:0-1-8,0-0-8]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 42 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 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 9-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) All plates are 1x4 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 2-0-0 oc.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F7	Floor	9	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:03 2016 Page 1
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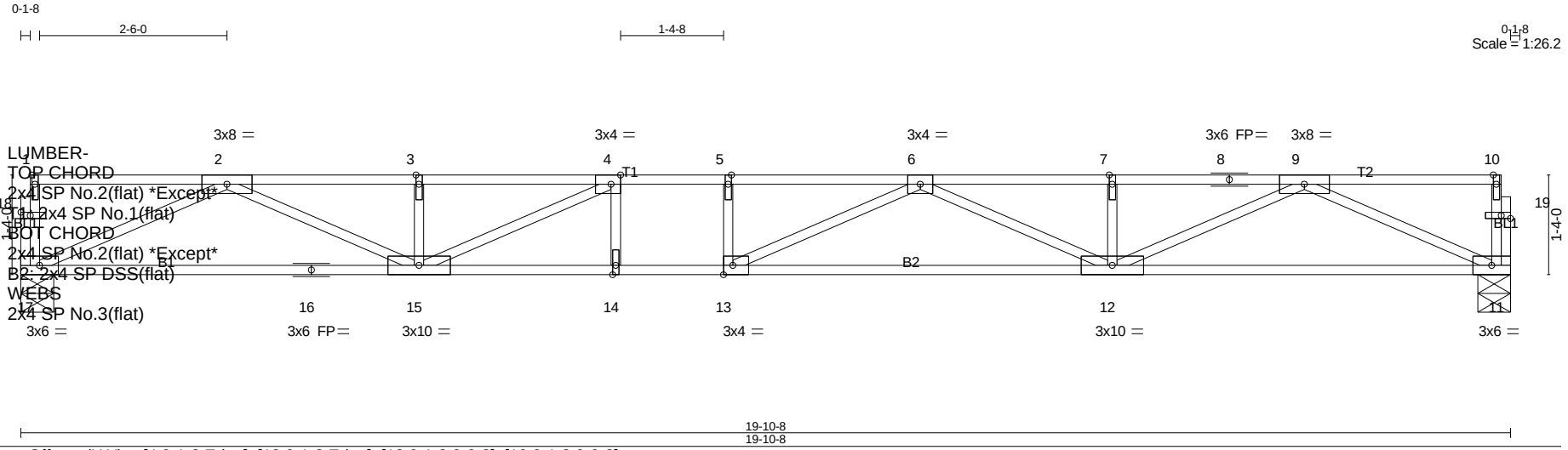

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1-8,0-0-8], [19:0-1-8,0-0-8]

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	0.78	Vert(LL)	-0.39	12-13	>608	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(TL)	-0.64	12-13	>369	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	0.09	11	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 99 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except*
T1: 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
B2: 2x4 SP DSS(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=1073/0-5-4 (min. 0-1-8), 11=1073/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3444/0, 3-4=-3444/0, 4-5=-4311/0, 5-6=-4311/0, 6-7=-3462/0, 7-8=-3462/0, 8-9=-3462/0
BOT CHORD 16-17=0/2061, 15-16=0/2061, 14-15=0/4311, 13-14=0/4311, 12-13=0/4215, 11-12=0/2070
WEBS 9-11=-2273/0, 2-17=-2263/0, 9-12=0/1539, 2-15=0/1529, 3-15=-279/20, 6-12=-832/0, 4-15=-1144/0, 6-13=-270/543

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) All plates are 1x4 MT20 unless otherwise indicated.
4) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sample Floor Truss Layout
PEAS0311-1A	F8	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders, Holly Springs, NC

Run: 7.620 s Apr 30 2015 Print: 7.620 s Apr 30 2015 MiTek Industries, Inc. Fri Mar 11 14:15:04 2016 Page 1
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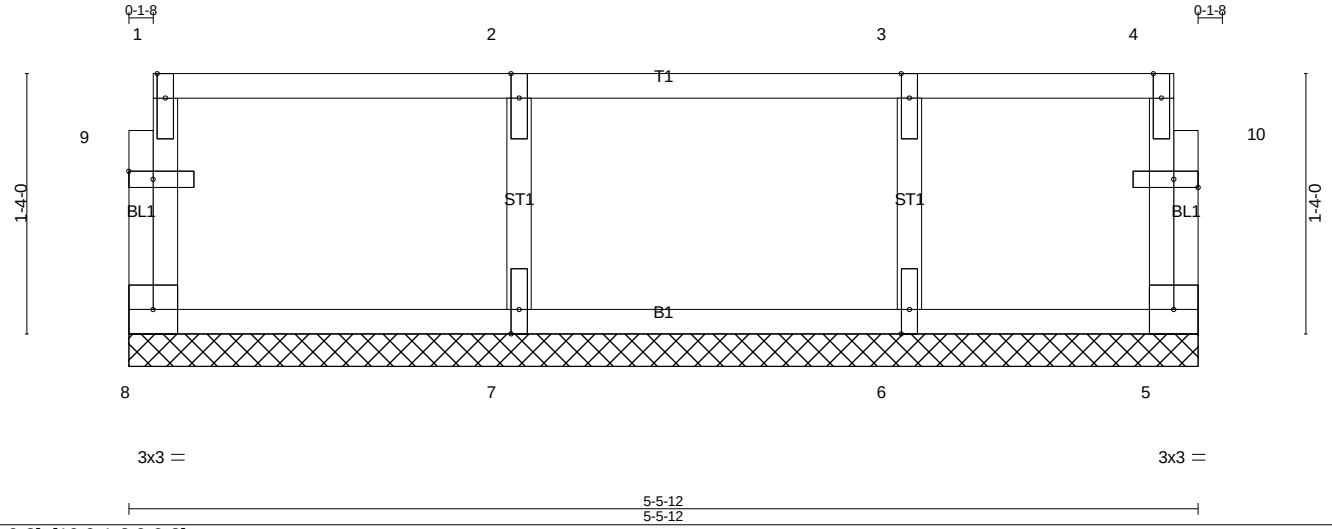

Plate Offsets (X,Y)-- [9:0-1-8,0-0-8], [10:0-1-8,0-0-8]

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code IBC2009/TPI2007		(Matrix)							Weight: 25 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 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 10-0-0 oc bracing.

REACTIONS. All bearings 5-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES-
1) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
2) All plates are 1x4 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 2-0-0 oc.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.

LOAD CASE(S) Standard