

Job 20063650CS	Truss FC1	Truss Type Floor	Qty 7	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:47:46 2020 Page 1
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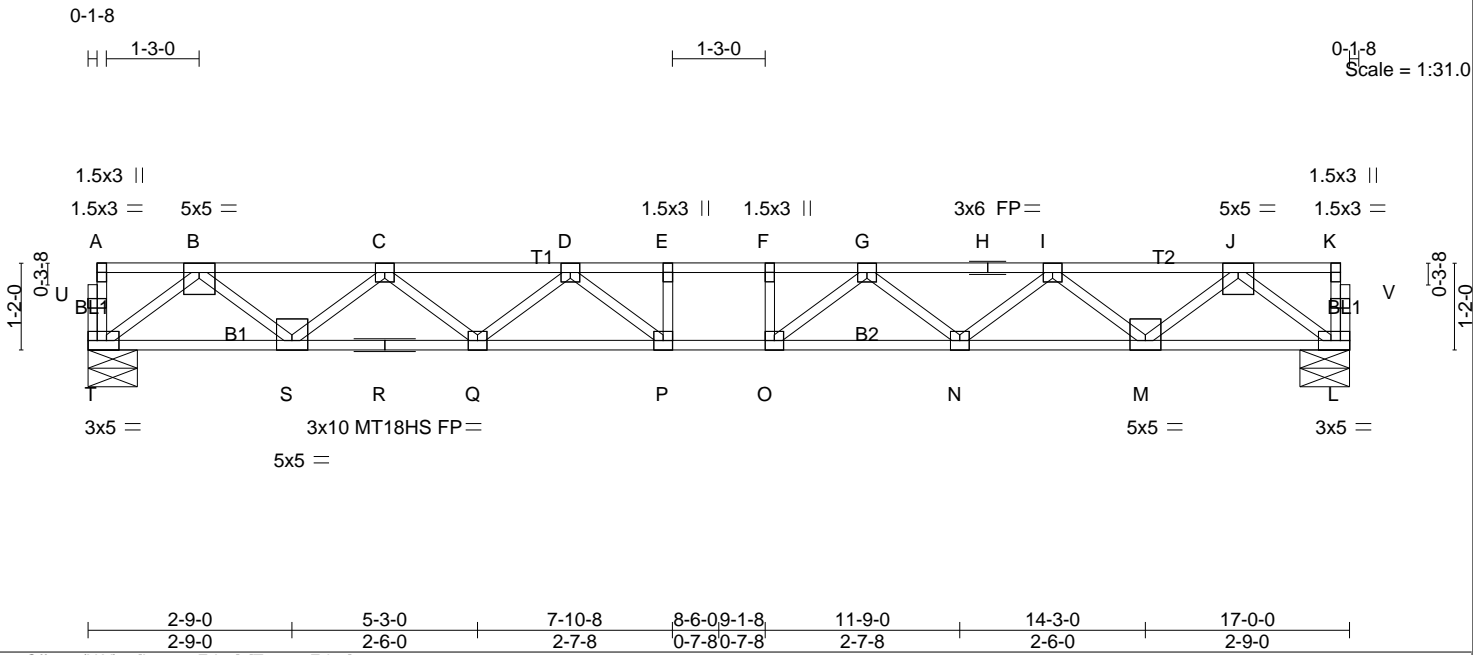


Plate Offsets (X,Y)-- [L:0-2-0,Edge], [T:0-2-0,Edge]

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 0.58	Vert(LL) -0.25 O-P >809 480	MT20 244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.81	Vert(CT) -0.40 O-P >498 360	MT18HS 244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.57	Horz(CT) 0.07 L n/a n/a	
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 86 lb FT = 20%F, 12%E

LUMBER-
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) T=1081/0-8-0, L=1081/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD T-U=-46/0, A-U=-46/0, L-V=-46/0, K-V=-46/0, A-B=-3/0, B-C=-2273/0, C-D=-3669/0, D-E=-4340/0, E-F=-4340/0, F-G=-4340/0, G-H=-3669/0, H-I=-3669/0, I-J=-2273/0, J-K=-3/0
 BOT CHORD S-T=0/1351, R-S=0/3163, Q-R=0/3163, P-Q=0/4146, O-P=0/4340, N-O=0/4146, M-N=0/3163, L-M=0/1351
 WEBS J-L=-1692/0, B-T=-1692/0, J-M=0/1200, B-S=0/1200, I-M=-1158/0, C-S=-1158/0, I-N=0/659, C-Q=0/659, G-N=-621/0, D-Q=-621/0, G-O=-91/540, D-P=-91/540, E-P=-236/0, F-O=-236/0

NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) All plates are MT20 plates unless otherwise indicated.
 3) All plates are 3x3 MT20 unless otherwise indicated.
 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 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

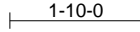
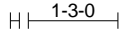
Job 20063650CS	Truss FC2	Truss Type Floor	Qty 9	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

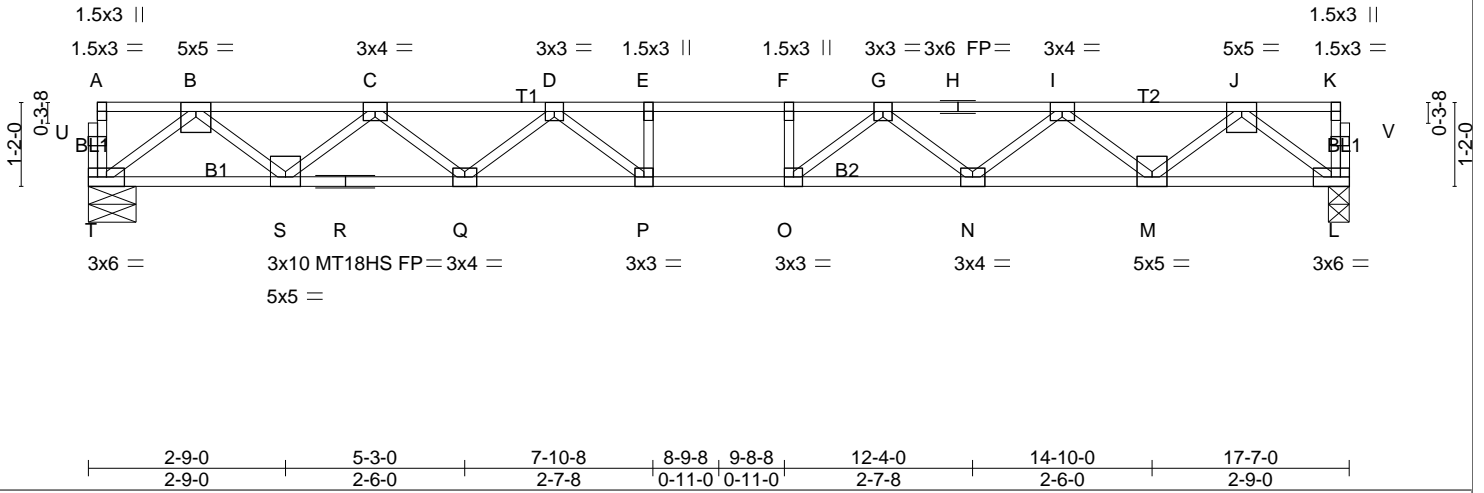
8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:47:50 2020 Page 1

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0-1-8



0-1-8
Scale: 3/8"=1'



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.78	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.94	Vert(LL) -0.28 O-P >733 480	MT18HS	244/190
BCLL 0.0	Lumber DOL 1.00	WB 0.60	Vert(CT) -0.46 O-P >451 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.08 L n/a n/a		
	Code IRC2015/TPI2014			Weight: 87 lb	FT = 20%F, 12%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) T=1119/0-8-0, L=1119/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD T-U=-47/0, A-U=-47/0, L-V=-47/0, K-V=-47/0, A-B=-3/0, B-C=-2369/0, C-D=-3854/0, D-E=-4633/0, E-F=-4633/0, F-G=-4633/0, G-H=-3854/0, H-I=-3854/0, I-J=-2369/0, J-K=-3/0
 BOT CHORD S-T=0/1401, R-S=0/3304, Q-R=0/3304, P-Q=0/4375, O-P=0/4633, N-O=0/4375, M-N=0/3304, L-M=0/1401
 WEBS J-L=-1754/0, B-T=-1754/0, J-M=0/1260, B-S=0/1260, I-M=-1217/0, C-S=-1217/0, I-N=0/716, C-Q=0/716, G-N=-678/0, D-Q=-678/0, G-O=-42/657, D-P=-42/657, E-P=-298/0, F-O=-298/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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.

LOAD CASE(S) Standard

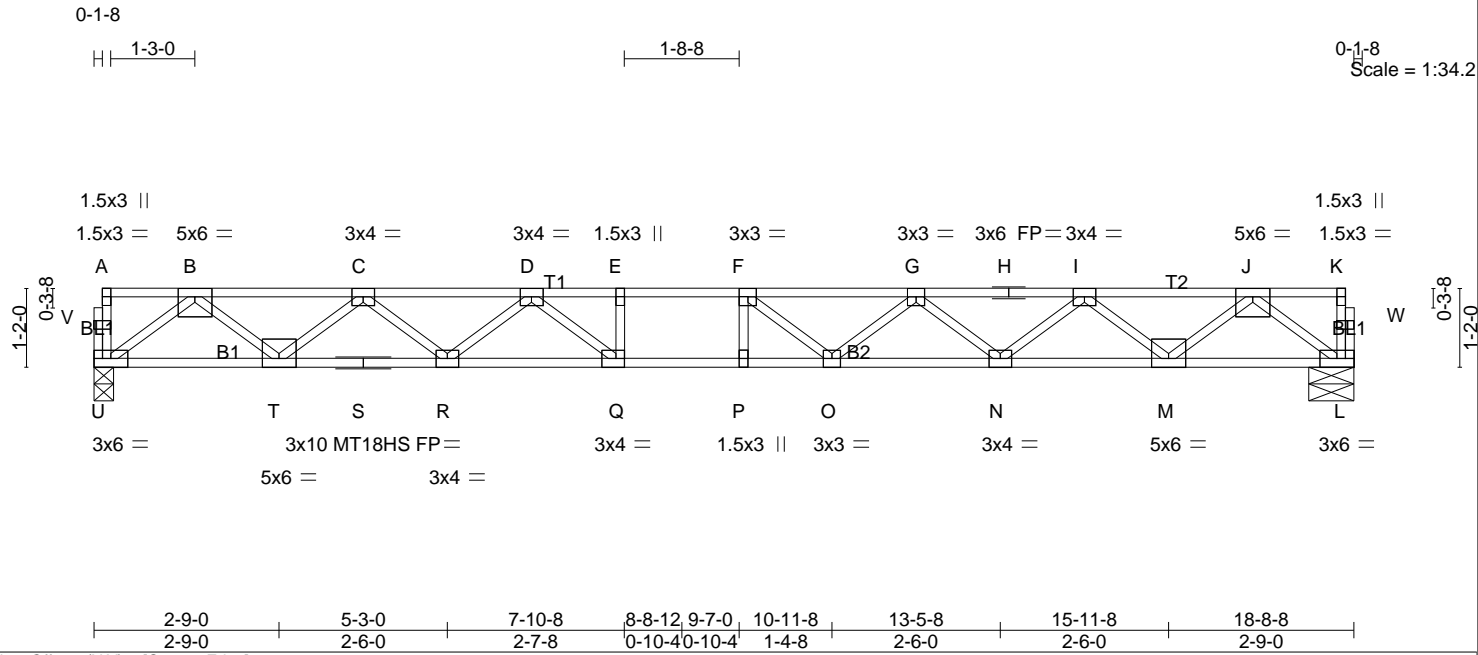


Plate Offsets (X,Y)-- [Q:0-1-8,Edge]

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 0.90	Vert(LL) -0.35 P >642 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.83	Vert(CT) -0.56 O-P >396 360	MT18HS	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.66	Horz(CT) 0.08 L n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 93 lb	FT = 20%F, 12%E

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP SS(flat)
 WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) U=1192/0-3-8, L=1192/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD U-V=-47/0, A-V=-47/0, L-W=-45/0, K-W=-45/0, A-B=-3/0, B-C=-2555/0, C-D=-4198/0, D-E=-5247/0, E-F=-5247/0, F-G=-5093/0, G-H=-4221/0, H-I=-4221/0, I-J=-2550/0, J-K=-3/0
 BOT CHORD T-U=0/1497, S-T=0/3572, R-S=0/3572, Q-R=0/4829, P-Q=0/5247, O-P=0/5247, N-O=0/4855, M-N=0/3565, L-M=0/1500
 WEBS J-L=-1878/0, B-U=-1875/0, J-M=0/1367, B-T=0/1377, I-M=-1321/0, C-T=-1323/0, I-N=0/854, C-R=0/816, G-N=-826/0, D-R=-821/0, G-O=0/473, D-Q=0/825, F-O=-529/146, E-Q=-319/0, F-P=-223/101

NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) All plates are MT20 plates unless otherwise indicated.
 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 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.

LOAD CASE(S) Standard

Job 20063650CS	Truss FC4	Truss Type Floor Girder	Qty 3	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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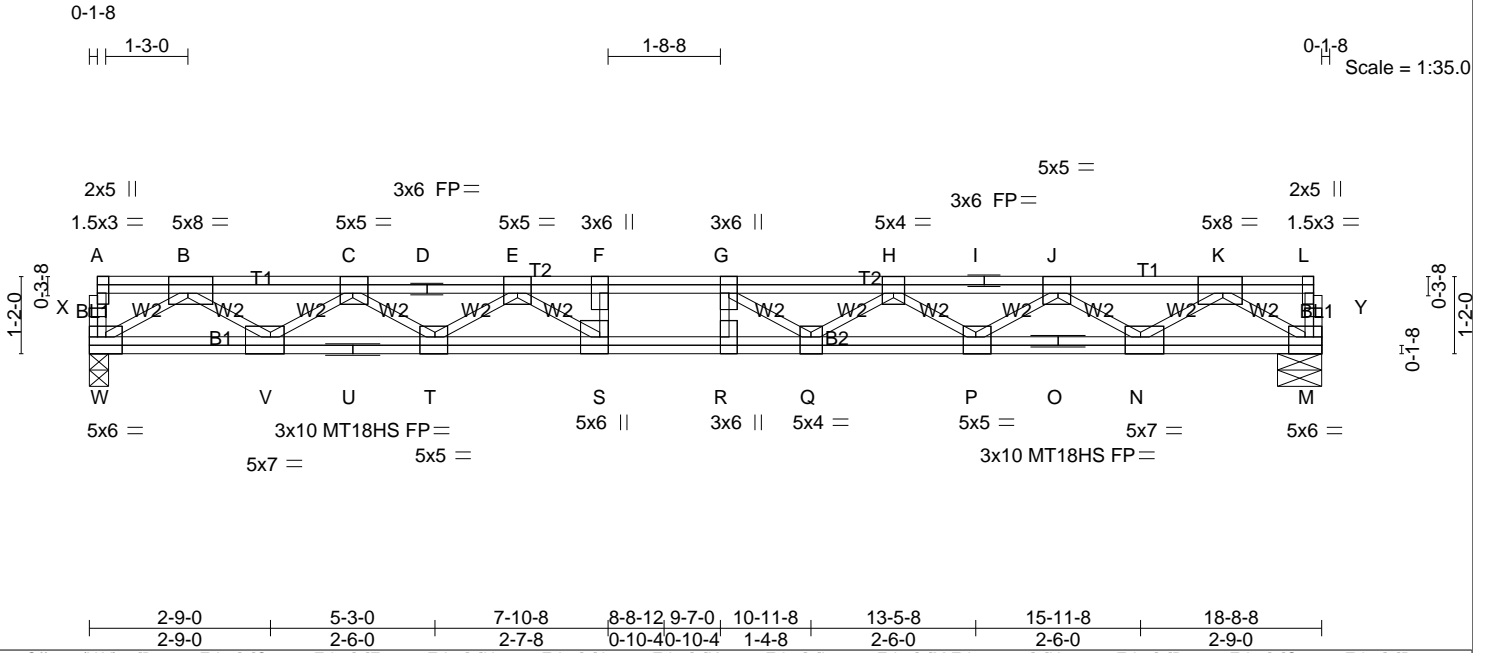


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [C:0-2-4,Edge], [E:0-2-8,Edge], [H:0-2-0,Edge], [J:0-2-4,Edge], [K:0-3-8,Edge], [L:0-3-0,Edge], [M:Edge,0-3-0], [N:0-2-12,Edge], [P:0-2-4,Edge], [Q:0-2-0,Edge], [R:0-3-0,0-0-0], [S:0-3-0,Edge], [T:0-2-4,Edge], [V:0-2-8,Edge], [W:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 1.00	Vert(LL) -0.33 R >665 480	MT18HS	244/190
BCLL 0.0	Lumber DOL 1.00	WB 0.87	Vert(CT) -0.54 R >410 360		
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(CT) 0.05 M n/a n/a		
	Code IRC2015/TP12014			Weight: 144 lb	FT = 20%F, 12%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) W=1650/0-3-8, M=1650/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD W-X=-79/0, A-X=-79/0, M-Y=-76/0, L-Y=-76/0, A-B=0/0, B-C=-3854/0, C-D=-6420/0, D-E=-6420/0, E-F=-8053/0, F-G=-8053/0, G-H=-7808/0, H-I=-6452/0, I-J=-6452/0, J-K=-3846/0, K-L=0/0
BOT CHORD V-W=0/2378, U-V=0/5450, T-U=0/5450, S-T=0/7412, R-S=0/8053, Q-R=0/8053, P-Q=0/7447, O-P=0/5440, N-O=0/5440, M-N=0/2382
WEBS K-M=-2777/0, B-W=-2773/0, K-N=0/1821, B-V=0/1835, J-N=-1976/0, C-V=-1979/0, J-P=0/1256, C-T=0/1204, H-P=-1234/0, E-T=-1230/0, H-Q=0/689, E-S=0/1200, G-Q=-777/204, F-S=-430/0, G-R=-312/125

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.
 - 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) 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: M-W=-10, A-L=-170(F=-50)

Job 20063650CS	Truss FC6	Truss Type Floor	Qty 2	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

Job Reference (optional)

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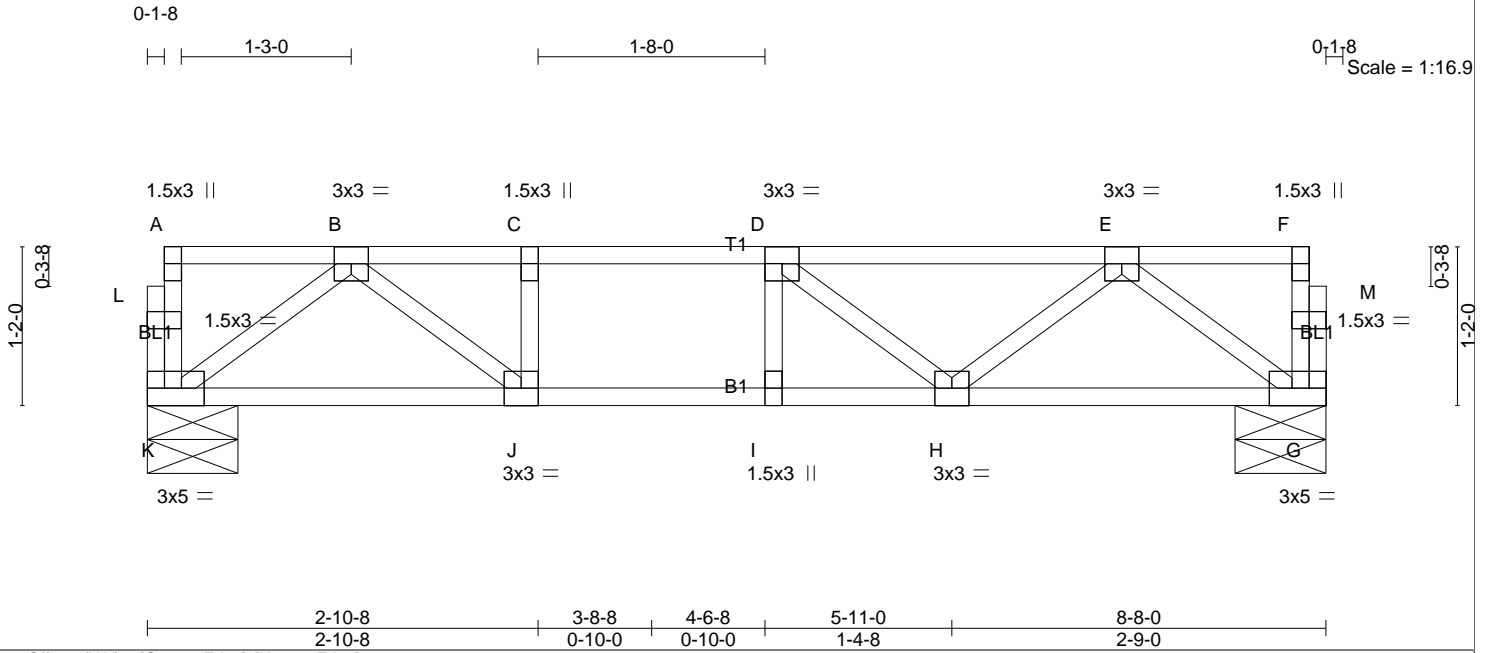


Plate Offsets (X,Y)-- [G:0-2-0,Edge], [K:0-2-0,Edge]

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 0.49	Vert(LL) -0.06 H-I >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.69	Vert(CT) -0.09 H-I >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.28	Horz(CT) 0.01 G n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 45 lb	FT = 20%F, 12%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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) K=540/0-8-0, G=540/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD K-L=-74/0, A-L=-74/0, G-M=-29/0, F-M=-29/0, A-B=-4/0, B-C=-1062/0, C-D=-1062/0, D-E=-903/0, E-F=-2/0
BOT CHORD J-K=0/621, I-J=0/1062, H-I=0/1062, G-H=0/664
WEBS E-G=-831/0, B-K=-774/0, E-H=0/311, B-J=0/585, D-H=-261/0, C-J=-261/0, D-I=-120/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job 20063650CS	Truss KC1	Truss Type Floor Supported Gable	Qty 1	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

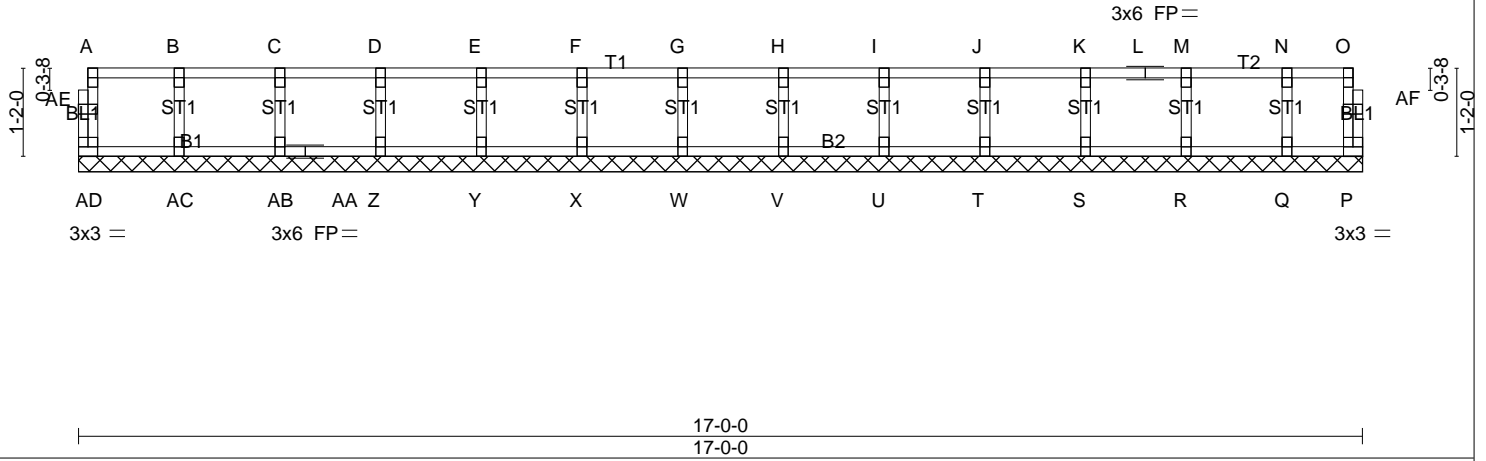
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0-1-8

0-1-8

Scale = 1:30.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 P n/a n/a		
	Code IRC2015/TPI2014			Weight: 71 lb	FT = 20%F, 12%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 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(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. (lb/size) AD=63/17-0-0, P=43/17-0-0, AC=173/17-0-0, AB=174/17-0-0, Z=173/17-0-0, Y=173/17-0-0, X=173/17-0-0, W=173/17-0-0, V=173/17-0-0, U=173/17-0-0, T=174/17-0-0, S=172/17-0-0, R=179/17-0-0, Q=145/17-0-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AD-AE=-59/0, A-AE=-59/0, P-AF=-38/0, O-AF=-37/0, A-B=-8/0, B-C=-8/0, C-D=-8/0, D-E=-8/0, E-F=-8/0, F-G=-8/0, G-H=-8/0, H-I=-8/0, I-J=-8/0, J-K=-8/0, K-L=-8/0, L-M=-8/0, M-N=-8/0, N-O=-8/0
BOT CHORD AC-AD=0/8, AB-AC=0/8, AA-AB=0/8, Z-AA=0/8, Y-Z=0/8, X-Y=0/8, W-X=0/8, V-W=0/8, U-V=0/8, T-U=0/8, S-T=0/8, R-S=0/8, Q-R=0/8, P-Q=0/8
WEBS B-AC=-158/0, C-AB=-161/0, D-Z=-160/0, E-Y=-160/0, F-X=-160/0, G-W=-160/0, H-V=-160/0, I-U=-160/0, J-T=-160/0, K-S=-159/0, M-R=-165/0, N-Q=-136/0

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 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 1-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 20063650CS	Truss KC2	Truss Type Floor Supported Gable	Qty 1	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

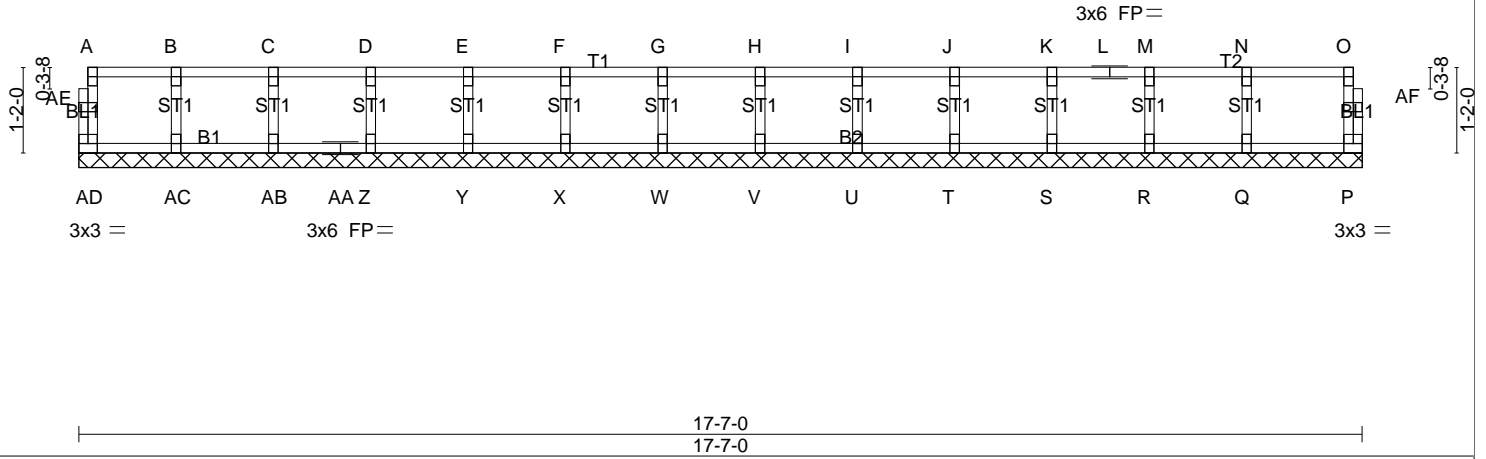
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0-1-8

0-1-8

Scale = 1:31.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 P n/a n/a		
	Code IRC2015/TPI2014			Weight: 73 lb	FT = 20%F, 12%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 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(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. (lb/size) AD=70/17-7-0, P=83/17-7-0, AC=164/17-7-0, AB=176/17-7-0, Z=173/17-7-0, Y=174/17-7-0, X=173/17-7-0, W=173/17-7-0, V=173/17-7-0, U=173/17-7-0, T=173/17-7-0, S=174/17-7-0, R=169/17-7-0, Q=189/17-7-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AD-AE=-63/0, A-AE=-62/0, P-AF=-78/0, O-AF=-77/0, A-B=-15/0, B-C=-15/0, C-D=-15/0, D-E=-15/0, E-F=-15/0, F-G=-15/0, G-H=-15/0, H-I=-15/0, I-J=-15/0, J-K=-15/0, K-L=-15/0, L-M=-15/0, M-N=-15/0, N-O=-15/0
BOT CHORD AC-AD=0/15, AB-AC=0/15, AA-AB=0/15, Z-AA=0/15, Y-Z=0/15, X-Y=0/15, W-X=0/15, V-W=0/15, U-V=0/15, T-U=0/15, S-T=0/15, R-S=0/15, Q-R=0/15, P-Q=0/15
WEBS B-AC=-154/0, C-AB=-162/0, D-Z=-160/0, E-Y=-160/0, F-X=-160/0, G-W=-160/0, H-V=-160/0, I-U=-160/0, J-T=-160/0, K-S=-161/0, M-R=-156/0, N-Q=-174/0

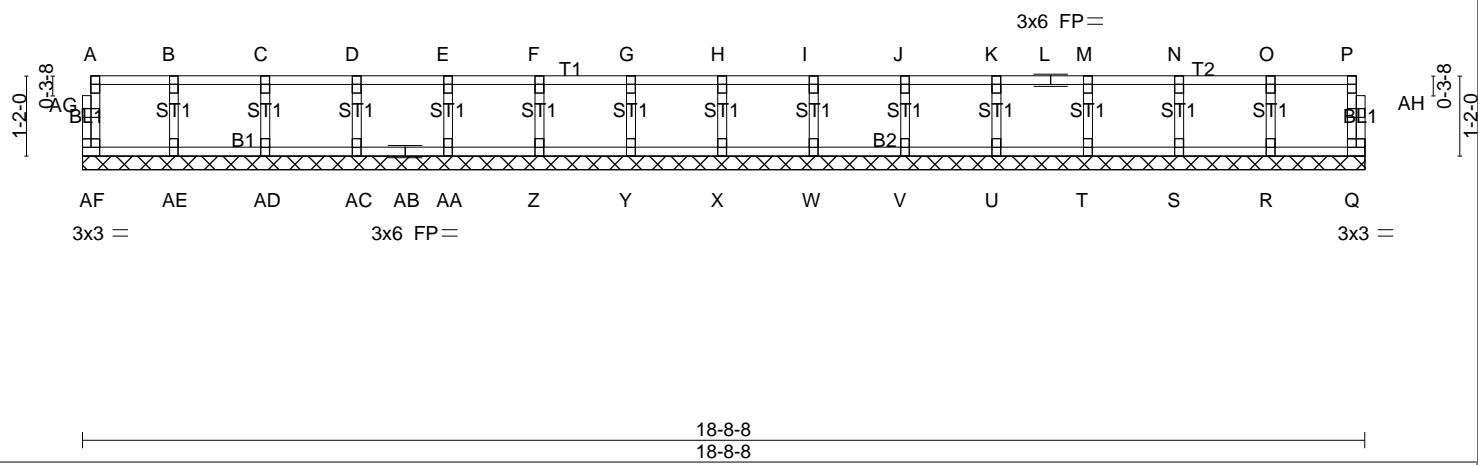
- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 20063650CS	Truss KC3	Truss Type Floor Supported Gable	Qty 1	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:48:19 2020 Page 1
 ID:QcJdsRkHfYt9Ix6CBpJWhbzgZj4-0ekr7ST9IOGe38_4fAKpZ10dh?9tq81rPNs1n6z_6MA

0-1-8 0-1-8
 Scale = 1:33.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.01	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 Q n/a n/a		
	Code IRC2015/TPI2014			Weight: 78 lb	FT = 20%F, 12%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 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(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. (lb/size) AF=67/18-8-8, Q=69/18-8-8, AE=168/18-8-8, AD=175/18-8-8, AC=173/18-8-8, AA=173/18-8-8, Z=173/18-8-8, Y=173/18-8-8, X=173/18-8-8, W=173/18-8-8, V=173/18-8-8, U=173/18-8-8, T=173/18-8-8, S=174/18-8-8, R=172/18-8-8

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD AF-AG=-61/0, A-AG=-61/0, Q-AH=-64/0, P-AH=-63/0, A-B=-12/0, B-C=-12/0, C-D=-12/0, D-E=-12/0, E-F=-12/0, F-G=-12/0, G-H=-12/0, H-I=-12/0, I-J=-12/0, J-K=-12/0, K-L=-12/0, L-M=-12/0, M-N=-12/0, N-O=-12/0, O-P=-12/0
 BOT CHORD AE-AF=0/12, AD-AE=0/12, AC-AD=0/12, AB-AC=0/12, AA-AB=0/12, Z-AA=0/12, Y-Z=0/12, X-Y=0/12, W-X=0/12, V-W=0/12, U-V=0/12, T-U=0/12, S-T=0/12, R-S=0/12, Q-R=0/12
 WEBS B-AE=-156/0, C-AD=-161/0, D-AC=-160/0, E-AA=-160/0, F-Z=-160/0, G-Y=-160/0, H-X=-160/0, I-W=-160/0, J-V=-160/0, K-U=-160/0, M-T=-160/0, N-S=-160/0, O-R=-159/0

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 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 1-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 20063650CS	Truss KC4	Truss Type Floor Supported Gable	Qty 1	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:48:23 2020 Page 1
 ID:QcJdsRkHFYt9Ix6CBpjWhbzgZj4-vPzMzpWfMdn4YlIru0OJtAJccWcmY?RK_qEwtz_6M6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.10	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 l n/a n/a	Weight: 39 lb	FT = 20%F, 12%E
	Code IRC2015/TPI2014				

LUMBER-	BRACING-
TOP CHORD 2x4 SP 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(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. (lb/size) P=62/8-8-0, I=19/8-8-0, O=174/8-8-0, N=173/8-8-0, M=174/8-8-0, L=171/8-8-0, K=181/8-8-0, J=124/8-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD P-Q=-59/0, A-Q=-58/0, I-R=-10/0, H-R=-10/0, A-B=-8/0, B-C=-8/0, C-D=-8/0, D-E=-8/0, E-F=-8/0, F-G=-8/0, G-H=-8/0
 BOT CHORD O-P=0/8, N-O=0/8, M-N=0/8, L-M=0/8, K-L=0/8, J-K=0/8, I-J=0/8
 WEBS B-O=-159/0, C-N=-161/0, D-M=-160/0, E-L=-158/0, F-K=-166/0, G-J=-123/0

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 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 1-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 20063650CS	Truss KC5	Truss Type Floor Supported Gable	Qty 1	Ply 1	NELSON CRAFTSMAN CRAWL
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

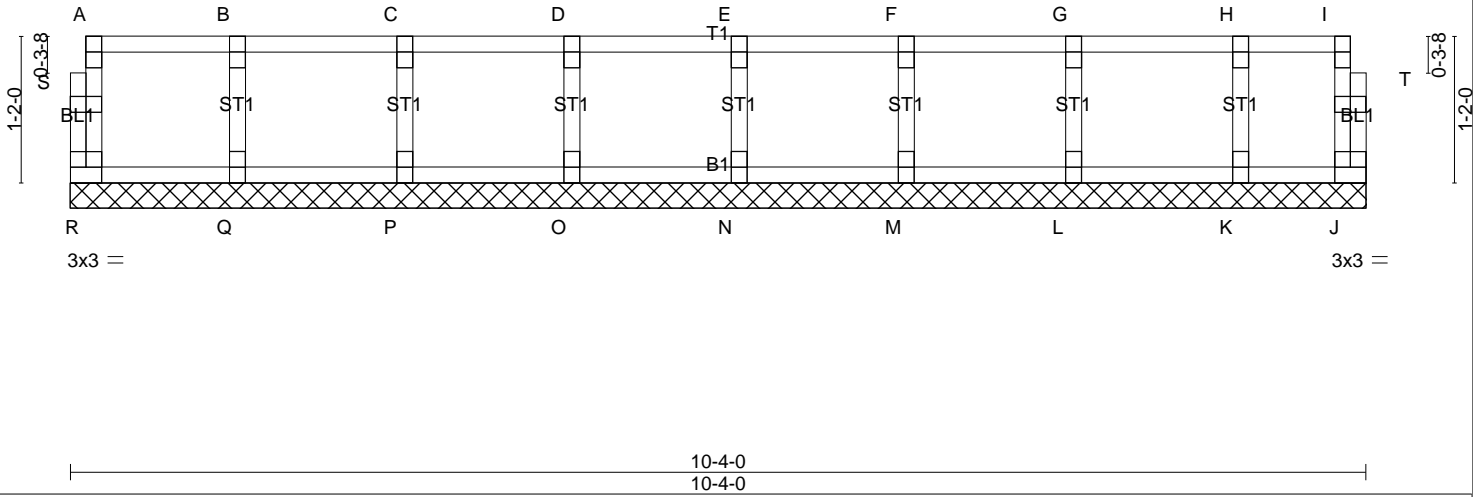
8.330 s Apr 7 2020 MITek Industries, Inc. Wed Jul 8 14:48:28 2020 Page 1

ID:QcJdsRkHFYt9lx6CBpjWhbzgZj4-FNmF0XaoA9PMeWAphZ_wQxu9MdDvRDEAUGX?b5z_6M1

0₁1₁-8

0₁1₁-8

Scale = 1:18.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 J n/a n/a		
	Code IRC2015/TPI2014			Weight: 45 lb	FT = 20%F, 12%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP 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(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. (lb/size) R=63/10-4-0, J=44/10-4-0, Q=173/10-4-0, P=174/10-4-0, O=173/10-4-0, N=174/10-4-0, M=172/10-4-0, L=180/10-4-0, K=144/10-4-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD R-S=-59/0, A-S=-59/0, J-T=-38/0, I-T=-37/0, A-B=-9/0, B-C=-9/0, C-D=-9/0, D-E=-9/0, E-F=-9/0, F-G=-9/0, G-H=-9/0, H-I=-9/0
BOT CHORD Q-R=0/9, P-Q=0/9, O-P=0/9, N-O=0/9, M-N=0/9, L-M=0/9, K-L=0/9, J-K=0/9
WEBS B-Q=-158/0, C-P=-161/0, D-O=-160/0, E-N=-160/0, F-M=-159/0, G-L=-165/0, H-K=-136/0

- NOTES-**
- All plates are 1.5x3 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.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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