

Plate Offsets (X,Y)-- [B:0-2-4,Edge], [D:0-3-0,0-0-0], [E:0-2-4,Edge], [F:0-3-0,Edge], [H:0-1-8,Edge], [I: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 0.25	Vert(LL) -0.02 H-I >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.54	Vert(CT) -0.03 H-I >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.44	Horz(CT) 0.02 G n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 46 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) J=1051/0-4-0 (min. 0-1-8), G=1146/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD F-G=-277/0, B-C=-1840/0, C-M=-1840/0, D-M=-1840/0, D-N=-1840/0, E-N=-1840/0
 BOT CHORD I-J=0/1183, H-I=0/1840, G-H=0/1147
 WEBS E-G=-1431/0, B-J=-1436/0, E-H=0/917, B-I=0/857, C-I=-486/0, D-H=-524/0

- 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.
 - 4) CAUTION, Do not erect truss backwards.
 - 5) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-10-0 from the left end to 6-9-0 to connect truss(es) ft3 (1 ply 2x4 SP), fg2 (1 ply 2x4 SP), ft3 (1 ply 2x4 SP) to front face of top chord.
 - 6) Fill all nail holes where hanger is in contact with lumber.
 - 7) 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: G-J=-10, A-F=-120
 Concentrated Loads (lb)
 Vert: C=-271(F) L=-292(F) M=-153(F) N=-271(F) O=-310(F)



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



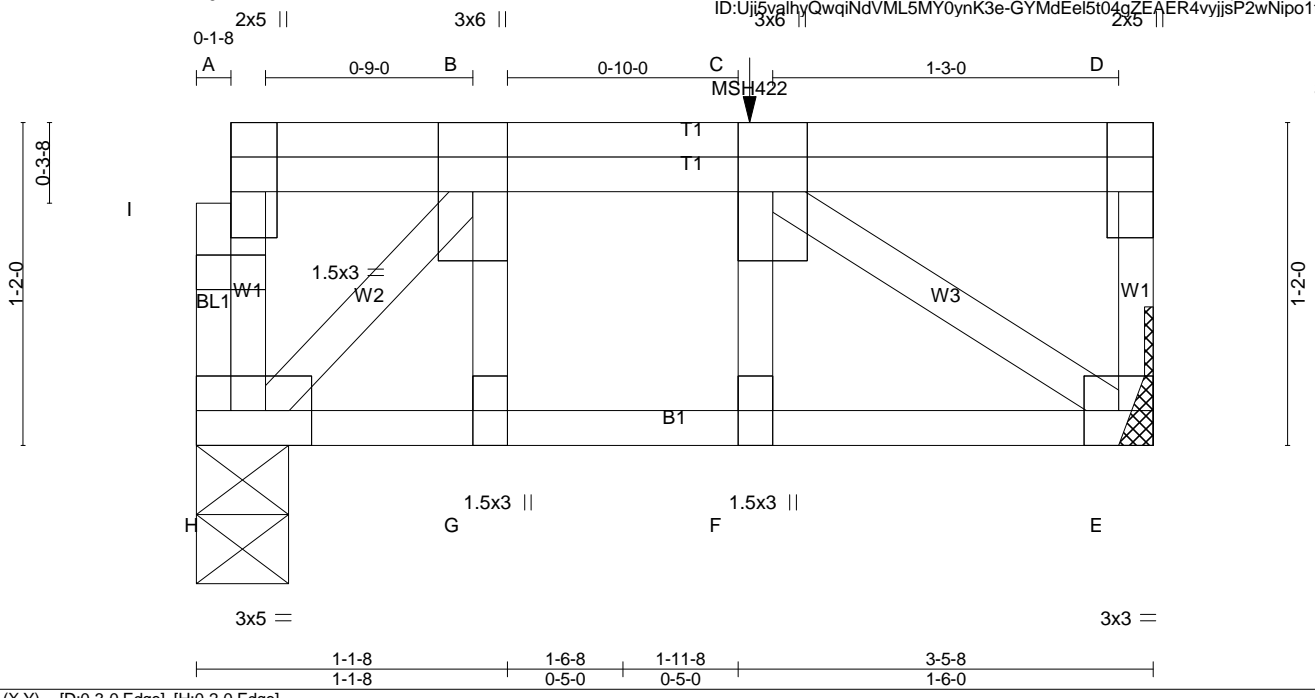


Plate Offsets (X,Y)-- [D:0-3-0,Edge], [H:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.09	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.11	Vert(LL) -0.00 F >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.08	Vert(CT) -0.00 F >999 360		
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(CT) 0.00 E n/a n/a		
	Code IRC2015/TPI2014			Weight: 25 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 3-5-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

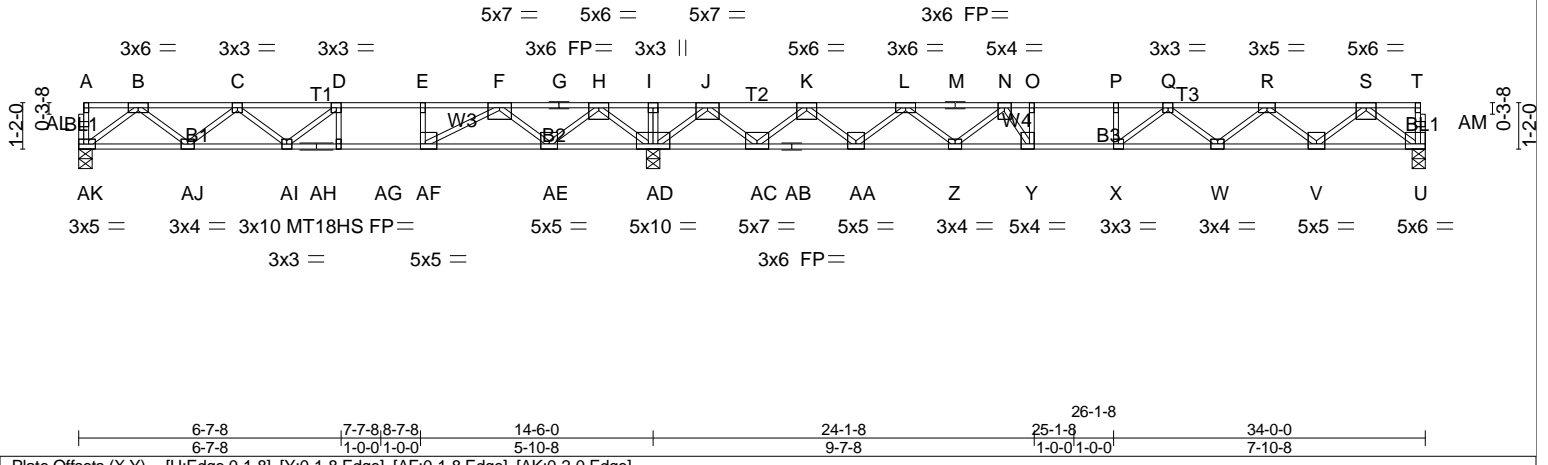
REACTIONS. (lb/size) H=249/0-4-0 (min. 0-1-8), E=273/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS C-E=-285/0, B-H=-335/0

- 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.
 - 4) CAUTION, Do not erect truss backwards.
 - 5) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 2-0-0 from the left end to connect truss(es) ft12 (1 ply 2x4 SP) to front face of top chord.
 - 6) Fill all nail holes where hanger is in contact with lumber.
 - 7) 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: E-H=-10, A-D=-120
 Concentrated Loads (lb)
 Vert: C=-105(F)





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 1.00	Vert(LL)	-0.29	X-Y >812	480	MT20	244/190
TCDL 20.0	Lumber DOL	1.00	BC 0.86	Vert(CT)	-0.45	X >517	360	MT18HS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.83	Horz(CT)	0.06	U n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-SH						
								Weight: 167 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, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) AK=665/0-4-0 (min. 0-1-8), AD=2650/0-4-0 (min. 0-1-8), U=1058/0-4-0 (min. 0-1-8)
 Max Grav AK=785(LC 3), AD=2650(LC 1), U=1088(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1533/0, C-D=-2210/0, D-E=-2150/377, E-F=-2150/377, F-G=-256/1796, G-H=-256/1796, H-I=0/3603, I-J=0/3603, J-K=-66/646, K-L=-2280/0, L-M=-3682/0, M-N=-3682/0, N-O=-4368/0, O-P=-4368/0, P-Q=-4368/0, Q-R=-3706/0, R-S=-2288/0
 BOT CHORD AJ-AK=0/952, AI-AJ=0/2096, AH-AI=-377/2150, AG-AH=-377/2150, AF-AG=-377/2150, AE-AF=-1237/1151, AD-AE=-2311/0, AC-AD=-1804/0, AB-AC=-106/1357, AA-AB=-106/1357, Z-AA=0/3166, Y-Z=0/4190, X-Y=0/4368, W-X=0/4181, V-W=0/3188, U-V=0/1359
 WEBS D-AG=-411/0, E-AF=-462/0, O-Y=-501/0, B-AK=-1191/0, B-AJ=0/756, C-AJ=-732/0, D-AI=0/606, H-AD=-1819/0, H-AE=0/1286, F-AE=-1378/0, F-AF=0/1586, J-AD=-2257/0, J-AC=0/1752, K-AC=-1733/0, K-AA=0/1253, L-AA=-1202/0, L-Z=0/717, N-Z=-740/0, N-Y=0/796, S-U=-1702/0, S-V=0/1210, R-V=-1171/0, R-W=0/674, Q-W=-618/0, Q-X=-201/490

- 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 1.5x3 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.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



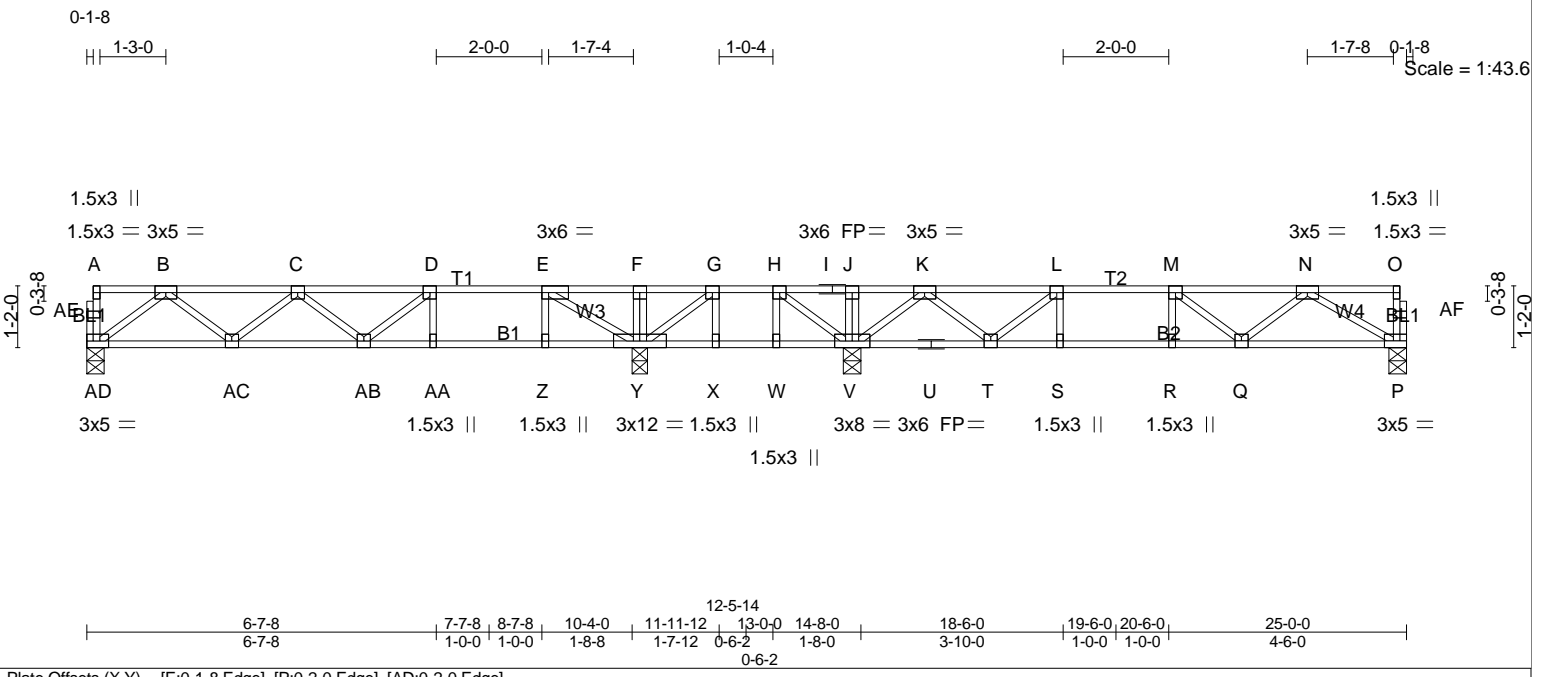


Plate Offsets (X,Y)-- [E:0-1-8,Edge], [P:0-2-0,Edge], [AD:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.92	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.77	Vert(LL) -0.17AA-AB >725 480		
BCLL 0.0	Rep Stress Incr YES	WB 0.35	Vert(CT) -0.27AA-AB >454 360		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH	Horz(CT) 0.04 P n/a n/a		
				Weight: 126 lb	FT = 20%F, 12%E

LUMBER-
 TOP CHORD 2x4 SP No.2(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. All bearings 0-4-0 except (it=length) Y=0-3-8.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) except AD=709(LC 16), Y=808(LC 16), V=1098(LC 11), P=651(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1341/0, C-D=-1839/0, D-E=-1612/0, E-F=-406/19, F-G=-407/17, G-H=-526/0, H-I=-134/358, I-J=-134/358, J-K=-134/358, K-L=-1106/0, L-M=-1569/0, M-N=-1292/0
 BOT CHORD AC-AD=0/850, AB-AC=0/1821, AA-AB=0/1612, Z-AA=0/1612, Y-Z=0/1612, X-Y=0/526, W-X=0/526, V-W=0/526, U-V=0/669, T-U=0/669, S-T=0/1569, R-S=0/1569, Q-R=0/1569, P-Q=0/965
 WEBS D-AA=-336/0, E-Z=0/314, B-AD=-1062/0, B-AC=0/640, C-AC=-625/0, D-AB=0/343, E-Y=-1446/0, H-V=-691/0, K-V=-1041/0, K-T=0/599, L-T=-648/0, N-P=-1118/0, N-Q=0/425, M-Q=-366/0

NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) All plates are 3x3 MT20 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.
 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



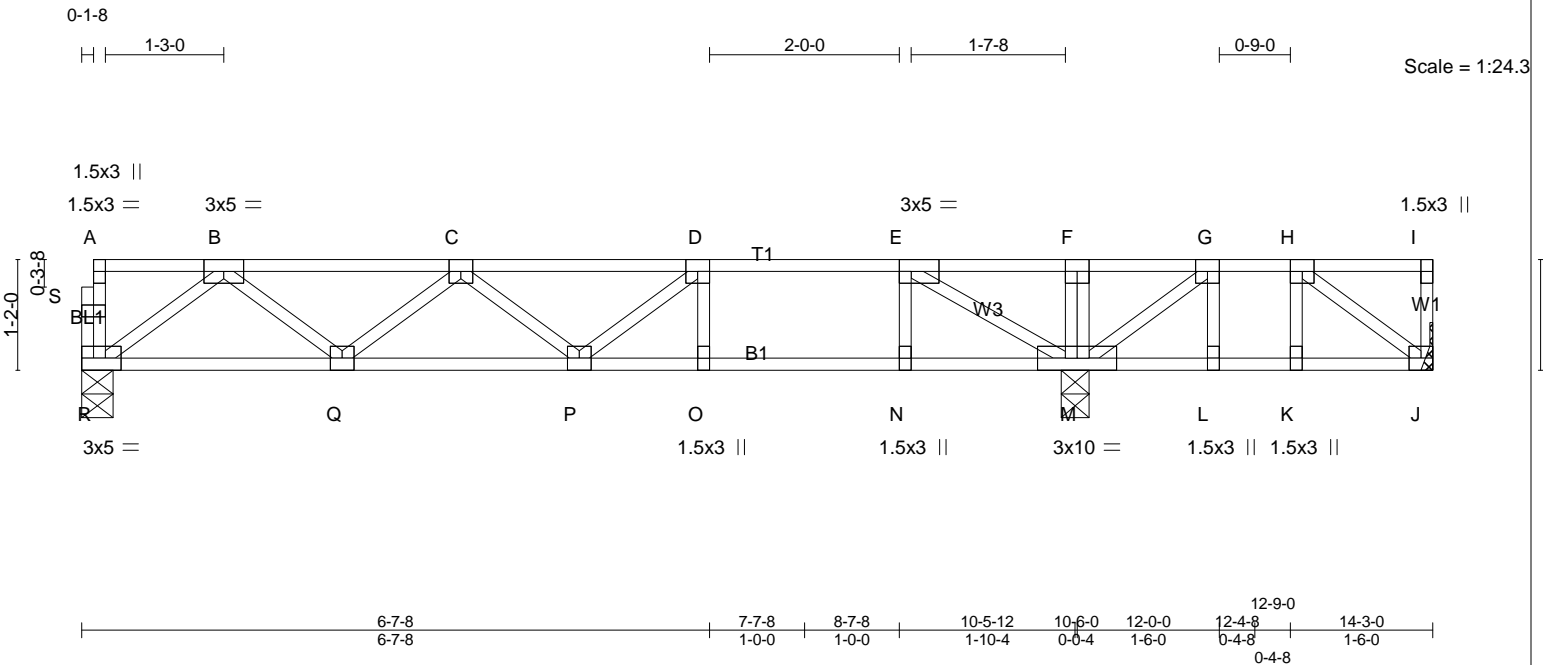


Plate Offsets (X,Y)-- [E:0-1-8,Edge], [R:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.88	Vert(LL) -0.17 O-P >746 480	MT20 244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.75	Vert(CT) -0.27 O-P >468 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.02 J n/a n/a	
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 73 lb FT = 20%F, 12%E

LUMBER-
 TOP CHORD 2x4 SP No.2(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) J=370/Mechanical, R=712/0-4-0 (min. 0-1-8), M=738/0-3-8 (min. 0-1-8)
 Max Grav J=391(LC 7), R=716(LC 10), M=738(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1360/0, C-D=-1875/0, D-E=-1666/0, E-F=-492/0, F-G=-492/0, G-H=-485/0
 BOT CHORD Q-R=0/860, P-Q=0/1847, O-P=0/1666, N-O=0/1666, M-N=0/1666, L-M=0/485, K-L=0/485, J-K=0/485
 WEBS B-R=-1075/0, B-Q=0/651, C-Q=-635/0, D-P=0/300, E-M=-1400/0, H-J=-608/0, D-O=-318/0, E-N=0/299

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 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.
 - 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



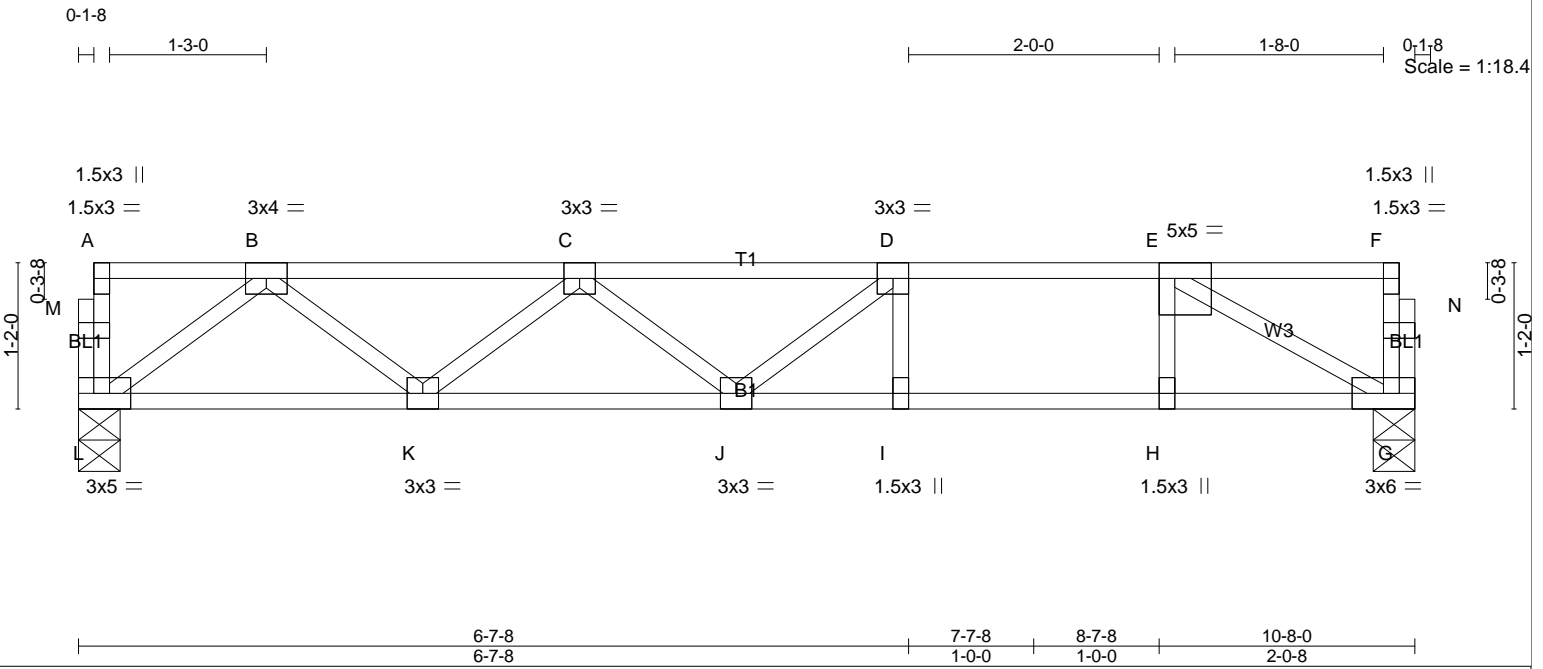


Plate Offsets (X,Y)-- [E:0-1-8,Edge], [L:0-2-0,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.58	Vert(LL) -0.17 I-J >732 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.75	Vert(CT) -0.27 I-J >464 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.37	Horz(CT) 0.02 G n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 53 lb	FT = 20%F, 12%E

LUMBER-
 TOP CHORD 2x4 SP SS(flat)
 BOT CHORD 2x4 SP SS(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) L=670/0-4-0 (min. 0-1-8), G=670/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1246/0, C-D=-1637/0, D-E=-1329/0
 BOT CHORD K-L=0/795, J-K=0/1686, I-J=0/1329, H-I=0/1329, G-H=0/1329
 WEBS D-I=-341/0, E-H=0/291, B-L=-993/0, B-K=0/587, C-K=-573/0, D-J=0/438, E-G=-1525/0

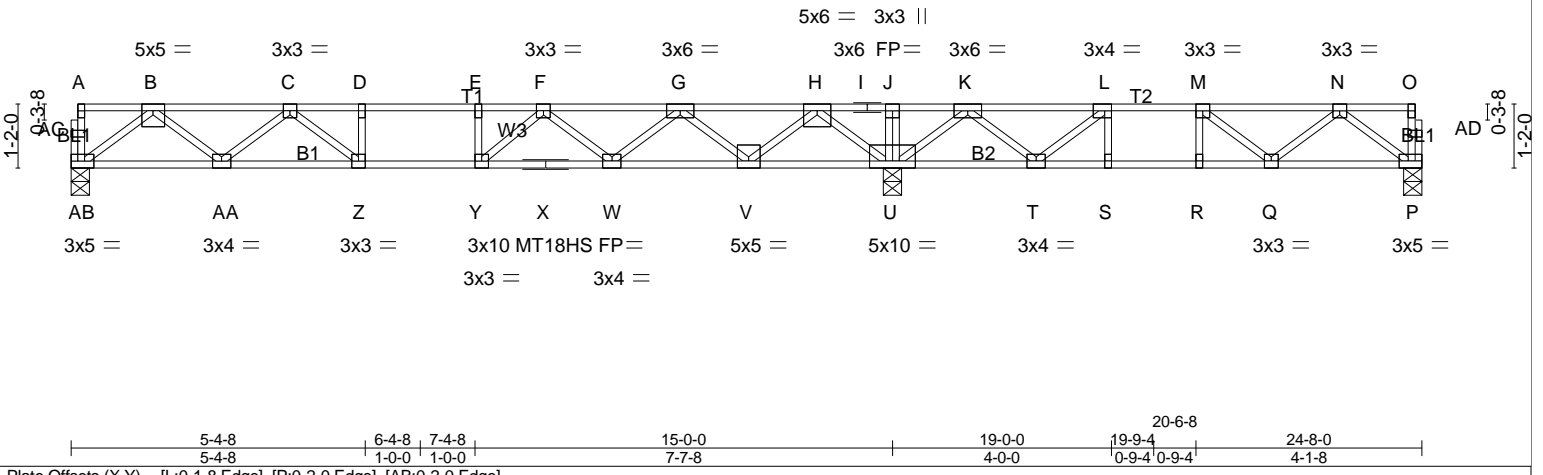
NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened 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



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.75	in (loc) l/def L/d	MT20 244/190	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.92	Vert(LL) -0.14 W-Y >999 480	MT18HS 244/190	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.58	Vert(CT) -0.22 W-Y >812 360		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH	Horz(CT) 0.04 U n/a n/a		
				Weight: 123 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 2-2-0 oc bracing.

REACTIONS. (lb/size) AB=820/0-4-0 (min. 0-1-8), U=1942/0-4-0 (min. 0-1-8), P=396/0-4-0 (min. 0-1-8)
 Max Grav AB=838(LC 10), U=1942(LC 1), P=506(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1652/0, C-D=-2586/0, D-E=-2586/0, E-F=-2586/0, F-G=-1946/0, G-H=-540/41, H-I=0/2032, I-J=0/2032, J-K=0/2032, K-L=-383/853,
 L-M=-931/337, M-N=-818/66
 BOT CHORD AA-AB=0/1039, Z-AA=0/2240, Y-Z=0/2586, X-Y=0/2412, W-X=0/2412, V-W=0/1436, U-V=-681/0, T-U=-1253/0, S-T=-337/931, R-S=-337/931,
 Q-R=-337/931, P-Q=0/621
 WEBS D-Z=-272/0, E-Y=-272/0, B-AB=-1300/0, B-AA=0/798, C-AA=-766/0, C-Z=0/562, H-U=-1696/0, H-V=0/1228, G-V=-1201/0, G-W=0/696, F-W=-651/0,
 F-Y=0/524, K-U=-1211/0, K-T=0/820, L-T=-987/0, L-S=0/297, N-P=-777/0, N-Q=-157/256, M-Q=-144/346, M-R=-271/0

- 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 1.5x3 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.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



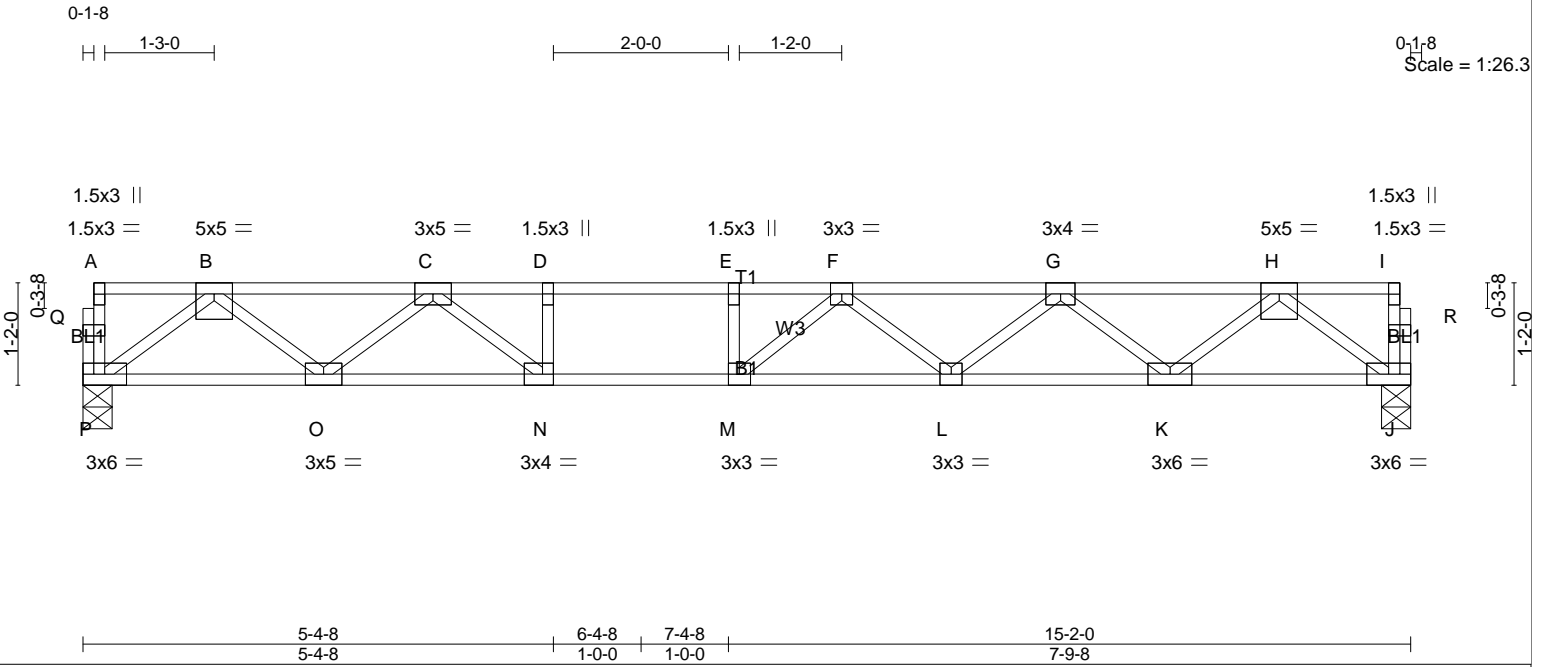


Plate Offsets (X,Y)-- [N:0-1-8,Edge]

LOADING (psf) TCLL 40.0 TCDL 20.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.86 BC 0.66 WB 0.48 Matrix-SH	DEFL. in (loc) l/def L/d Vert(LL) -0.21 L-M >858 480 Vert(CT) -0.34 L-M >534 360 Horz(CT) 0.05 J n/a n/a	PLATES MT20 GRIP 244/190 Weight: 75 lb FT = 20%F, 12%E
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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.

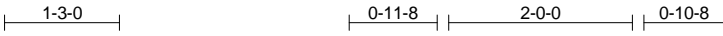
REACTIONS. (lb/size) P=962/0-4-0 (min. 0-1-8), J=962/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1945/0, C-D=-3326/0, D-E=-3326/0, E-F=-3326/0, F-G=-3108/0, G-H=-1969/0
BOT CHORD O-P=0/1199, N-O=0/2707, M-N=0/3326, L-M=0/3406, K-L=0/2725, J-K=0/1193
WEBS D-N=-419/0, B-P=-1501/0, B-O=0/972, C-O=-992/0, C-N=0/951, H-J=-1494/0, H-K=0/1010, G-K=-984/0, G-L=0/498, F-L=-388/0, F-M=-307/290

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





Scale = 1:25.1

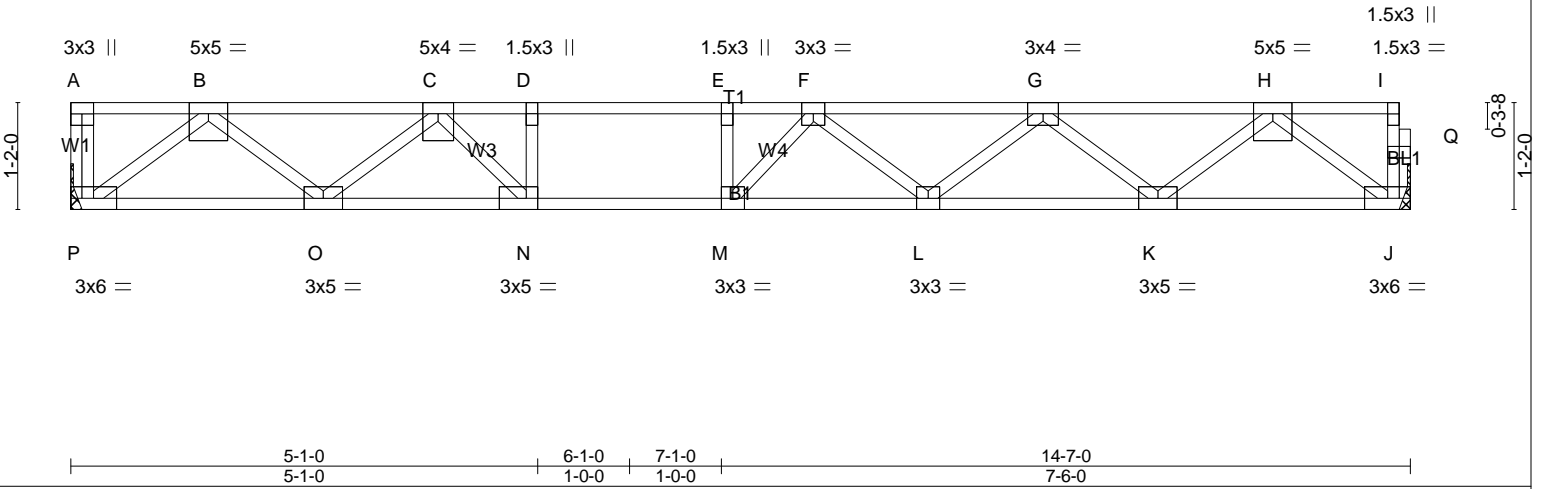


Plate Offsets (X,Y)-- [N:0-1-8,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.85	Vert(LL) -0.19 L-M >913 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.96	Vert(CT) -0.30 L-M >567 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.45	Horz(CT) 0.05 J n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH			
				Weight: 73 lb	FT = 20%F, 12%E

LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(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 2-2-0 oc bracing.
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REACTIONS. (lb/size) P=932/Mechanical, J=924/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1853/0, C-D=-3061/0, D-E=-3061/0, E-F=-3061/0, F-G=-2918/0, G-H=-1875/0
 BOT CHORD O-P=0/1150, N-O=0/2572, M-N=0/3061, L-M=0/3171, K-L=0/2584, J-K=0/1144
 WEBS D-N=-463/0, B-P=-1443/0, B-O=0/915, C-O=-936/0, C-N=0/870, H-J=-1432/0, H-K=0/952, G-K=-923/0, G-L=0/435, F-L=-343/0, F-M=-346/235

- 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



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



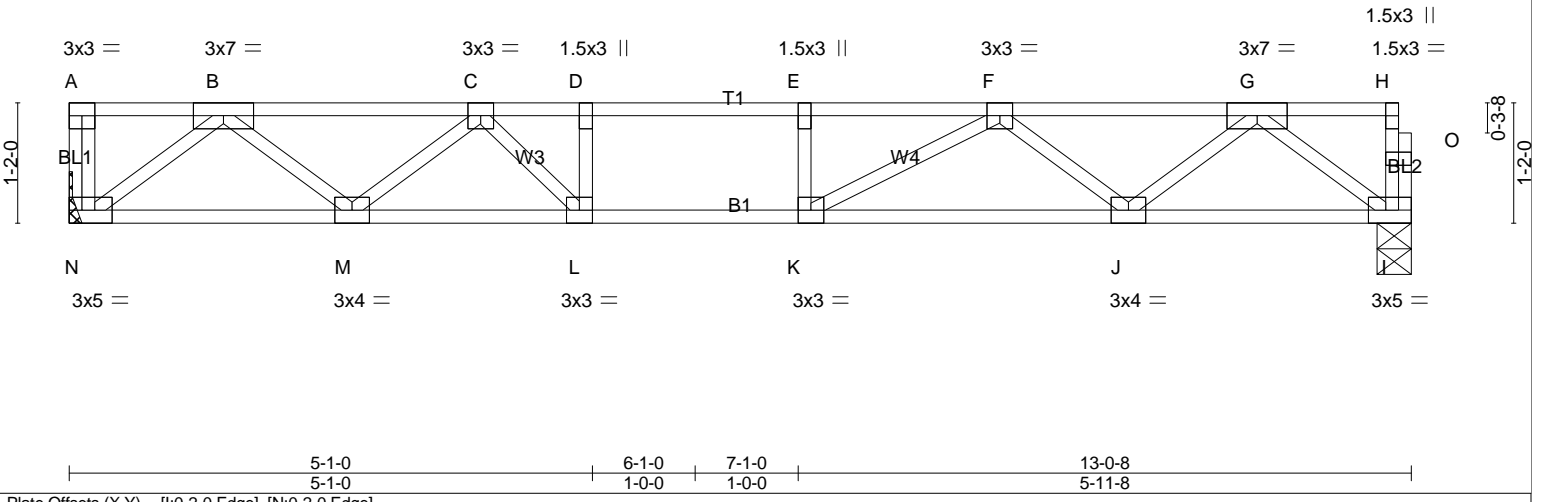
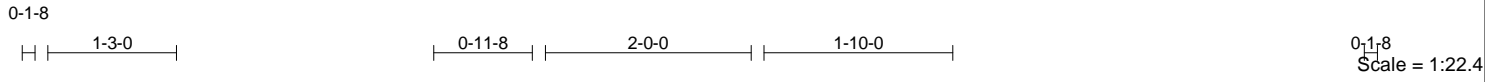


Plate Offsets (X,Y)-- [I:0-2-0,Edge], [N:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.72	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.92	Vert(LL) -0.14 J-K >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.38	Vert(CT) -0.22 J-K >692 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.04 l n/a n/a		
	Code IRC2015/TPI2014			Weight: 65 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, Except: 2-2-0 oc bracing: K-L.

REACTIONS. (lb/size) N=831/Mechanical, I=824/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1613/0, C-D=-2499/0, D-E=-2499/0, E-F=-2499/0, F-G=-1635/0
 BOT CHORD M-N=0/1020, L-M=0/2194, K-L=0/2499, J-K=0/2194, I-J=0/1021
 WEBS D-L=-348/0, B-N=-1280/0, B-M=0/771, C-M=-757/0, C-L=0/638, G-I=-1277/0, G-J=0/799, F-J=-729/0, F-K=0/562

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



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

Job Reference (optional)

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed Apr 17 10:59:42 2019 Page 1
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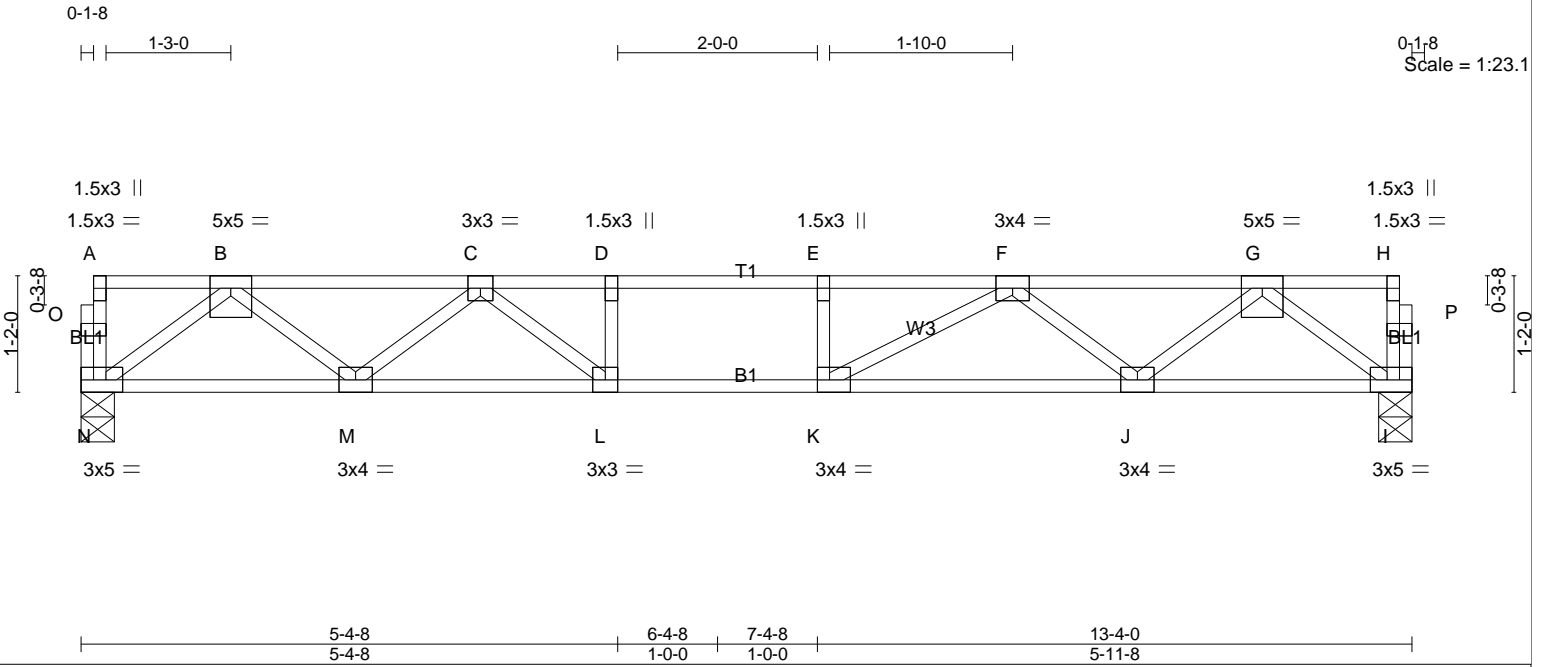


Plate Offsets (X,Y)-- [I:0-2-0,Edge], [K:0-1-8,Edge], [N:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.68	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.90	Vert(LL) -0.15 J-K >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.39	Vert(CT) -0.22 J-K >699 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.04 I n/a n/a		
	Code IRC2015/TPI2014			Weight: 66 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) N=843/0-4-0 (min. 0-1-8), I=843/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1663/0, C-D=-2621/0, D-E=-2621/0, E-F=-2621/0, F-G=-1679/0
 BOT CHORD M-N=0/1045, L-M=0/2259, K-L=0/2621, J-K=0/2264, I-J=0/1045
 WEBS D-L=-310/0, B-N=-1308/0, B-M=0/804, C-M=-777/0, C-L=0/659, G-I=-1308/0, G-J=0/825, F-J=-761/0, F-K=0/617

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



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



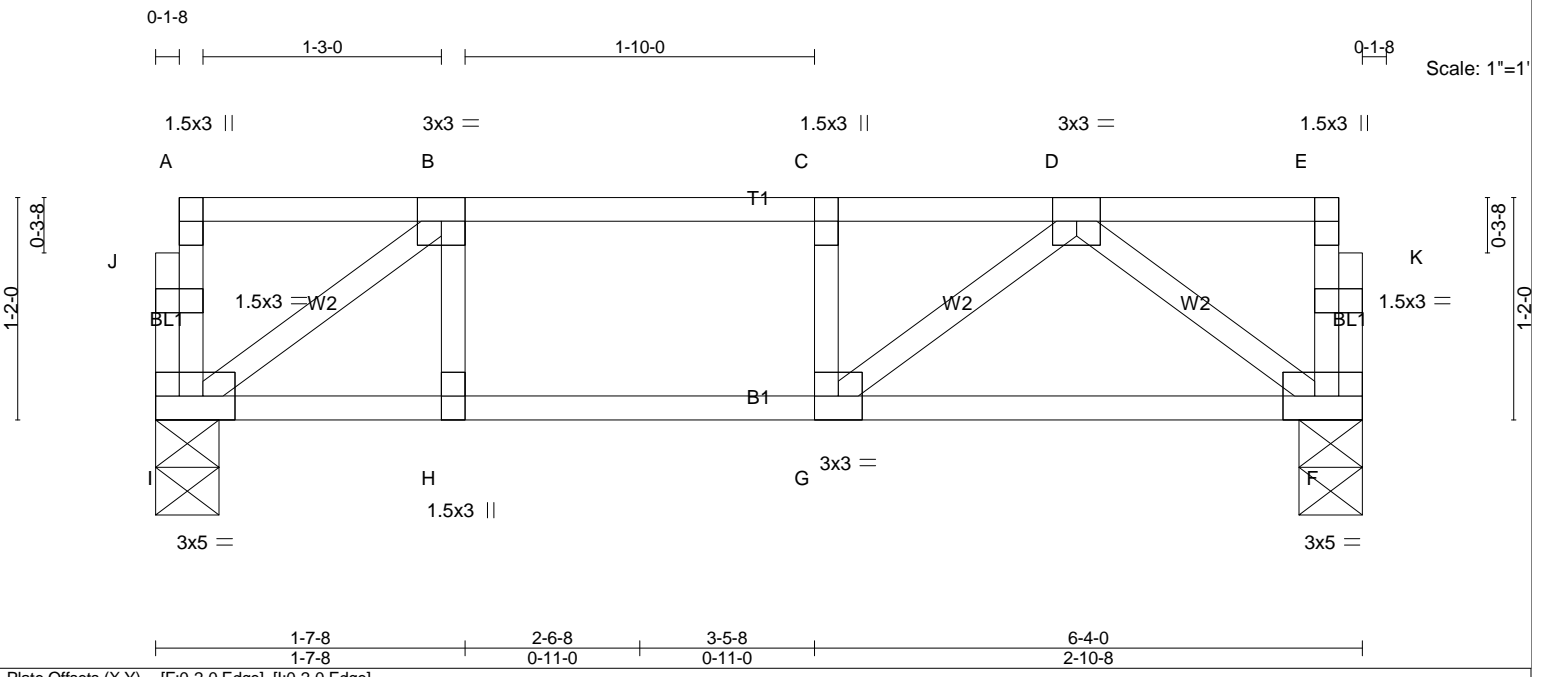


Plate Offsets (X,Y)-- [F:0-2-0,Edge], [I:0-2-0,Edge]

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 0.47	Vert(LL) -0.04 F-G >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.43	Vert(CT) -0.06 F-G >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00 F n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH			
				Weight: 33 lb	FT = 20%F, 12%E

<p>LUMBER-</p> <p>TOP CHORD 2x4 SP No.2(flat)</p> <p>BOT CHORD 2x4 SP No.2(flat)</p> <p>WEBS 2x4 SP No.3(flat)</p>	<p>BRACING-</p> <p>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.</p> <p>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.</p>
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REACTIONS. (lb/size) I=388/0-4-0 (min. 0-1-8), F=388/0-4-0 (min. 0-1-8)

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

TOP CHORD B-C=-528/0, C-D=-528/0

BOT CHORD H-I=0/528, G-H=0/528, F-G=0/409

WEBS B-I=-650/0, D-F=-509/0

NOTES-

- Unbalanced floor live loads have been considered for this design.
- 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



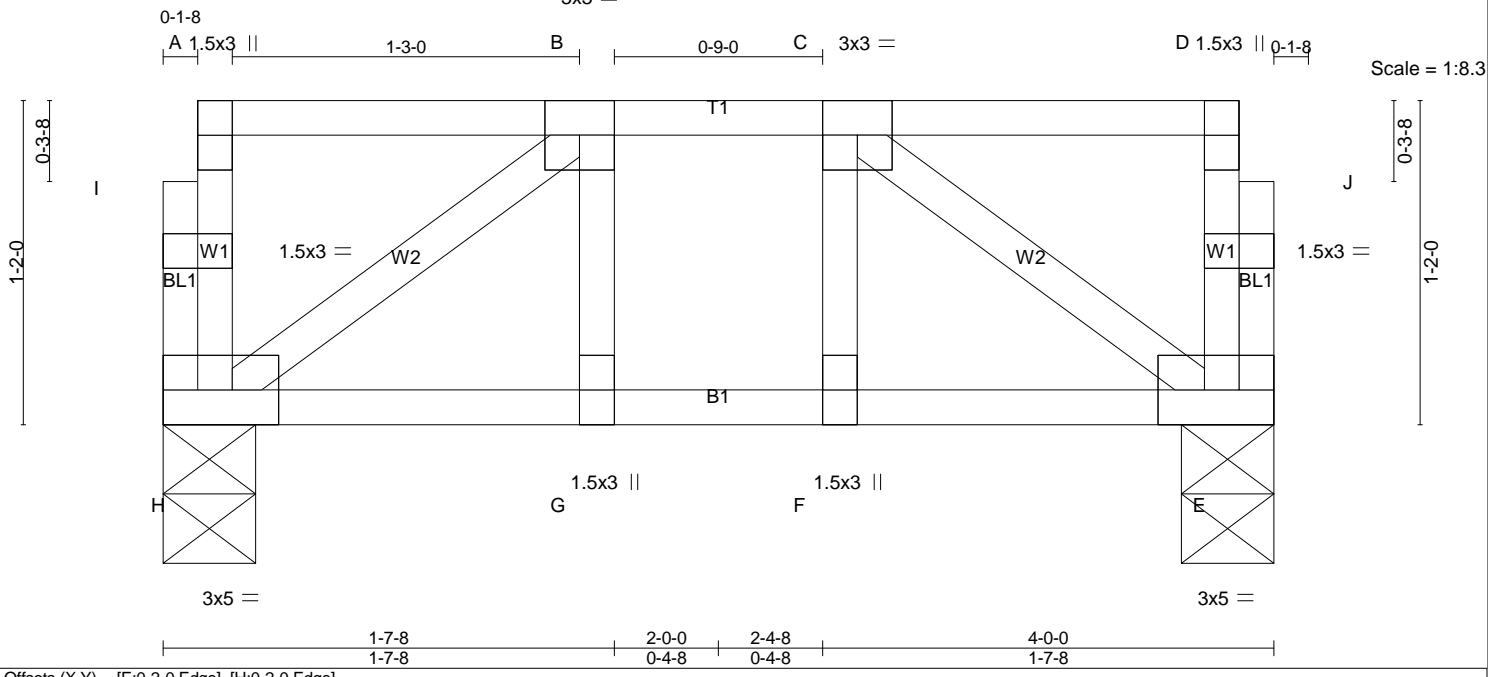


Plate Offsets (X,Y)-- [E:0-2-0,Edge], [H:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.14	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.10	Vert(LL) -0.00 G >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.06	Vert(CT) -0.00 G >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.00 E n/a n/a		
	Code IRC2015/TPI2014			Weight: 24 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=236/0-4-0 (min. 0-1-8), E=236/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-E=-270/0, B-H=-270/0

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



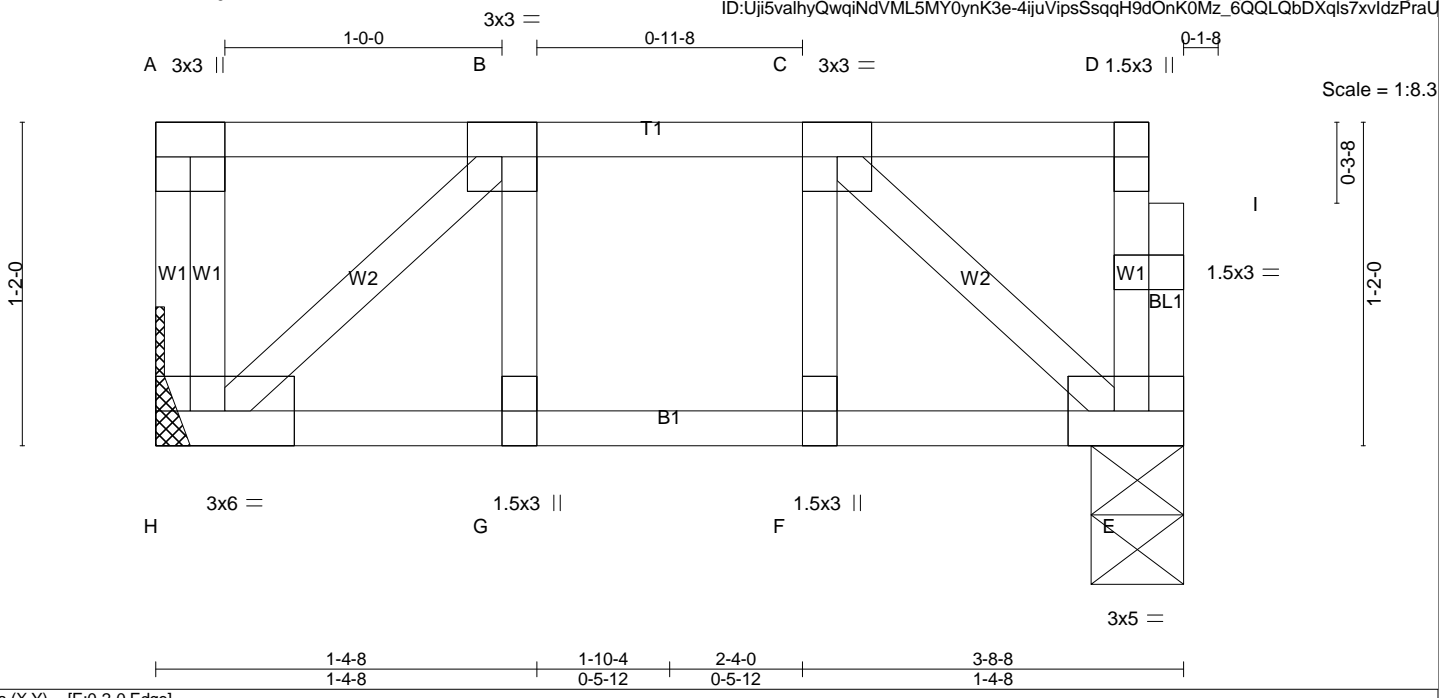


Plate Offsets (X,Y)-- [E:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.10	Vert(LL) -0.00 G >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.08	Vert(CT) -0.00 G >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.06	Horz(CT) 0.00 E n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 23 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 3-8-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=225/Mechanical, E=217/0-4-0 (min. 0-1-8)

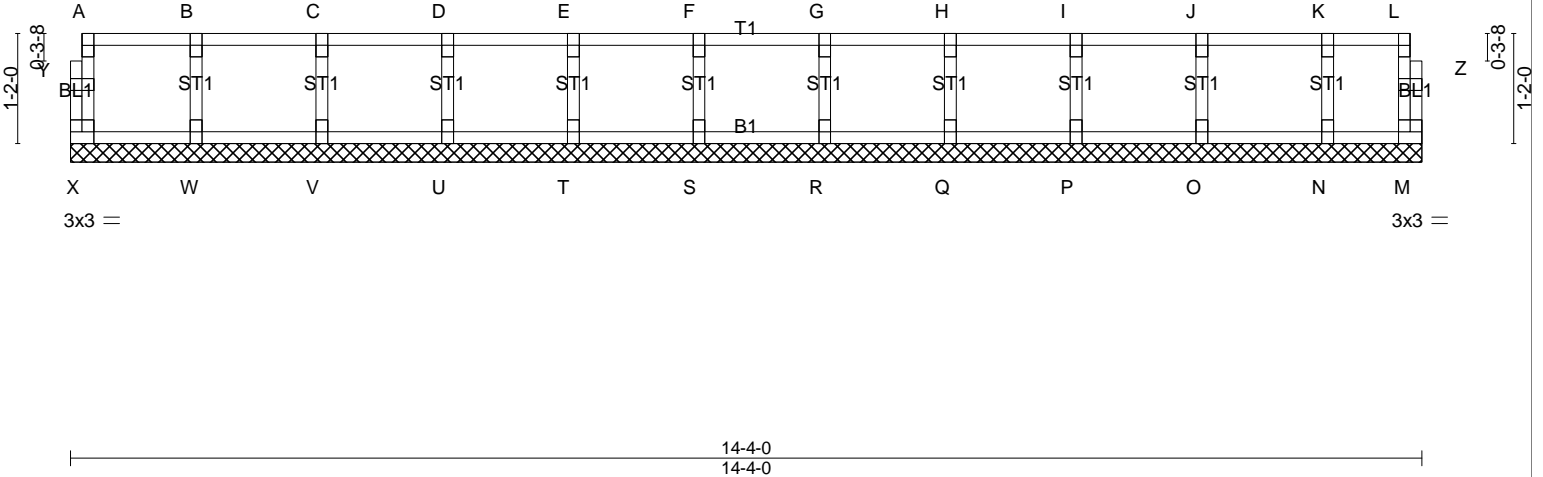
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) 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.
 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



0-1-8 0-1-8
Scale = 1:24.4



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.10	in (loc) l/def L/d	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R	Horz(CT) 0.00 M n/a n/a		
				Weight: 61 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)
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 14-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) X, M, W, V, U, T, S, R, Q, P, O, N

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

- 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



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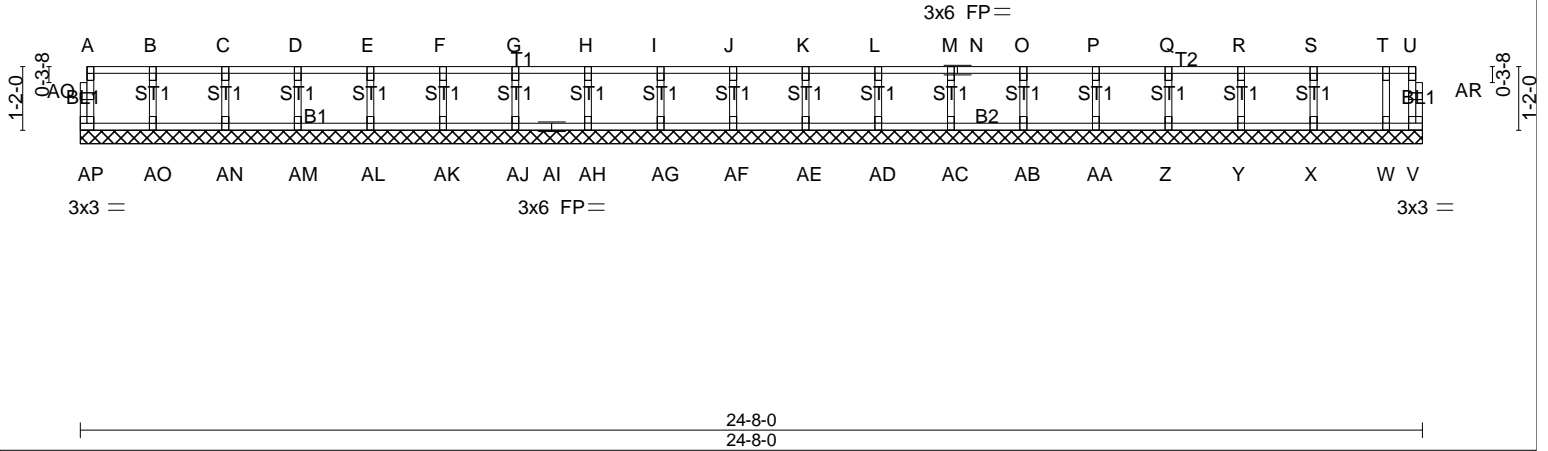
UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

Job Reference (optional)
8.240 s Feb 11 2019 MiTek Industries, Inc. Wed Apr 17 10:59:44 2019 Page 1
ID:Uji5valhyQwqiNdVML5MY0ynK3e-YuHG1qUDAyhviCaL2XbVCfb9Inly_Nv5nhTq3zPraT

0-1-8

0-1-8

Scale = 1:42.3



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 V n/a n/a		
	Code IRC2015/TPI2014			Weight: 102 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)
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 24-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) AP, V, AO, AN, AM, AL, AK, AJ, AH, AG, AF, AE, AD, AC, AB, AA, Z, Y, X, W

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

- 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 69016034	Truss KW3	Truss Type Floor Supported Gable	Qty 1	Ply 1	MCKEE HOMES - THE FINLEY FLOOR
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

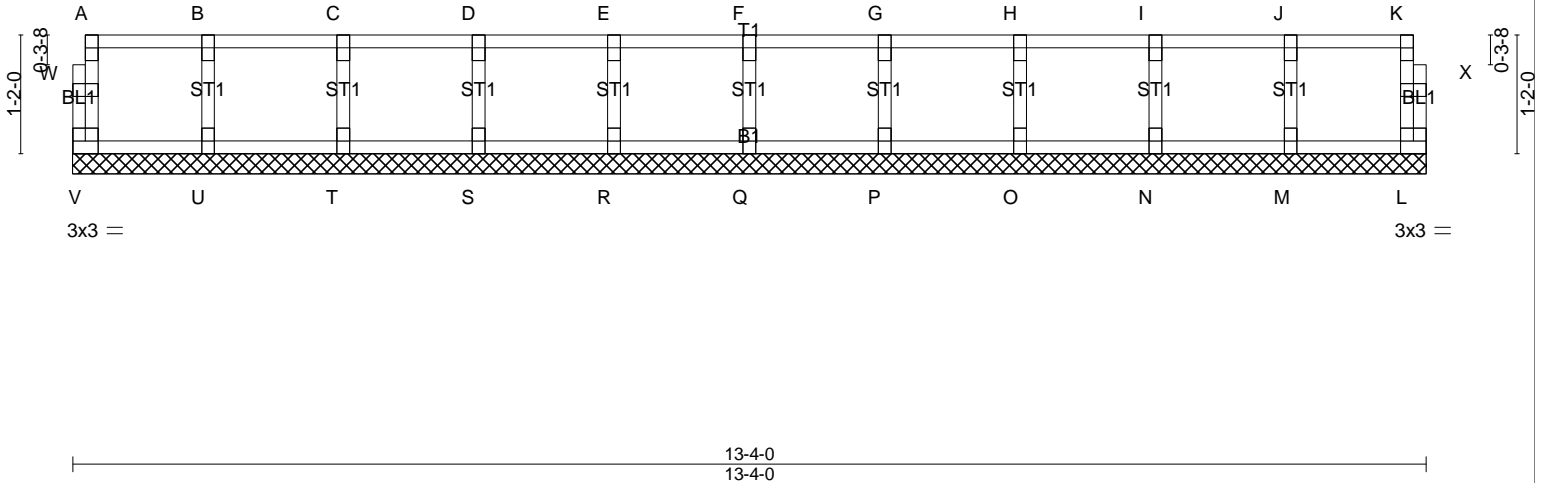
Job Reference (optional)

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed Apr 17 10:59:45 2019 Page 1
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0-1-8

0-1-8

Scale = 1:22.7



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.09	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00 L n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R			
				Weight: 56 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)
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 13-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) V, L, U, T, S, R, Q, P, O, N, M

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

- 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



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