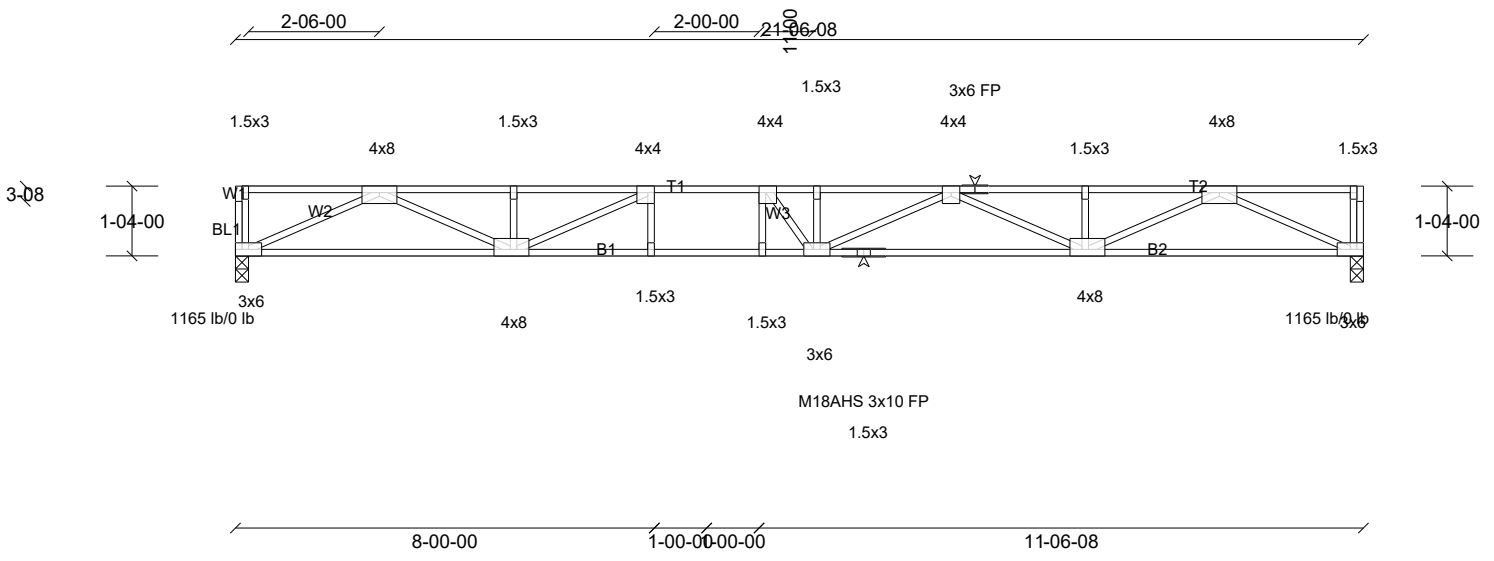
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F01	Floor	46	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [4:1-08,Edge], [5:1-08,Edge], [13:2-12,Edge], [18:3-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.48	15-16	>533	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.66	15-16	>388	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 108 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP 2400F 2.0E(flat) *Except* T2:2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* B2:2x4 SP No.1(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 2-2-0 oc bracing.

REACTIONS (size) 12=3-00, (min. 1-08), 19=3-00, (min. 1-08)
Max Grav 12=1165 (LC 1), 19=1165 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3822/0, 3-4=-3822/0, 4-5=-4954/0, 5-6=-5197/0, 6-7=-5197/0, 7-8=-3850/0, 8-9=-3850/0, 9-10=-3850/0
BOT CHORD 18-19=0/2258, 17-18=0/4954, 16-17=0/4954, 15-16=0/4967, 14-15=0/4799, 13-14=0/4799, 12-13=0/2261
WEBS 5-16=-353/73, 2-19=-2480/0, 2-18=0/1729, 3-18=-269/45, 4-18=-1418/0, 10-12=-2483/0, 10-13=0/1757, 7-13=-1049/0, 7-15=0/561, 6-15=-406/35, 5-15=-348/730

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) The Fabrication Tolerance at joint 14 = 11%
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F02	Floor	2	1	Job Reference (optional)

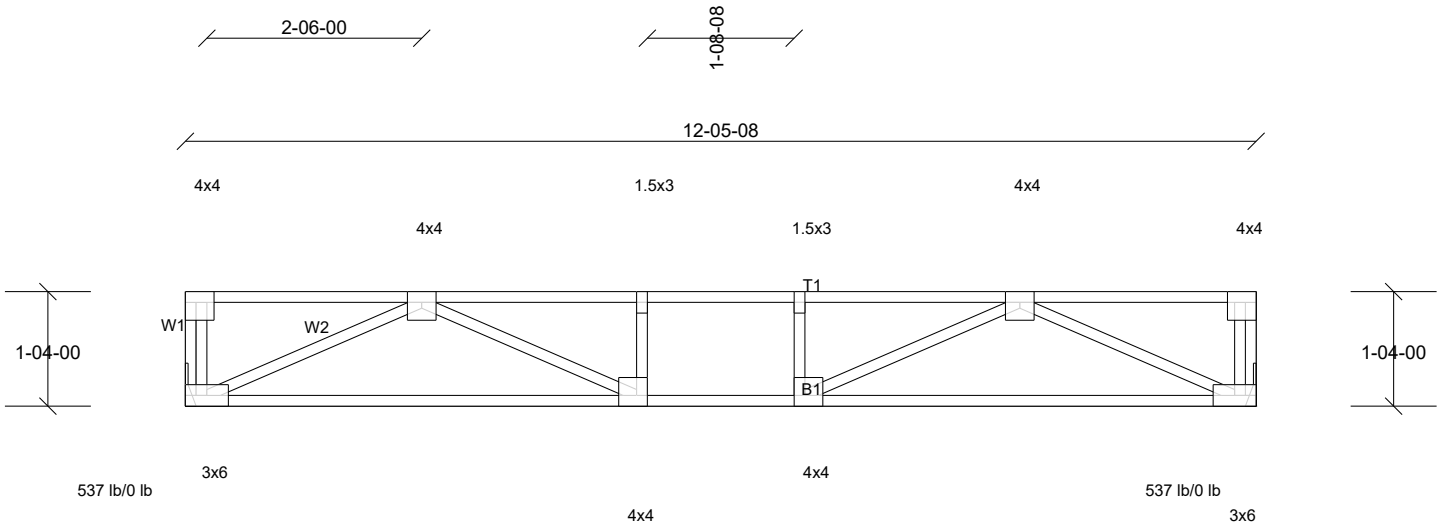

Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.10	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.16	9-10	>927	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 7= Mechanical, (min. 1-08), 10= Mechanical, (min. 1-08)
Max Grav 7=537 (LC 1), 10=537 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1358/0, 3-4=-1358/0, 4-5=-1358/0
BOT CHORD 9-10=0/946, 8-9=0/1358, 7-8=0/946
WEBS 5-7=-1042/0, 2-10=-1042/0, 5-8=0/525, 2-9=0/525

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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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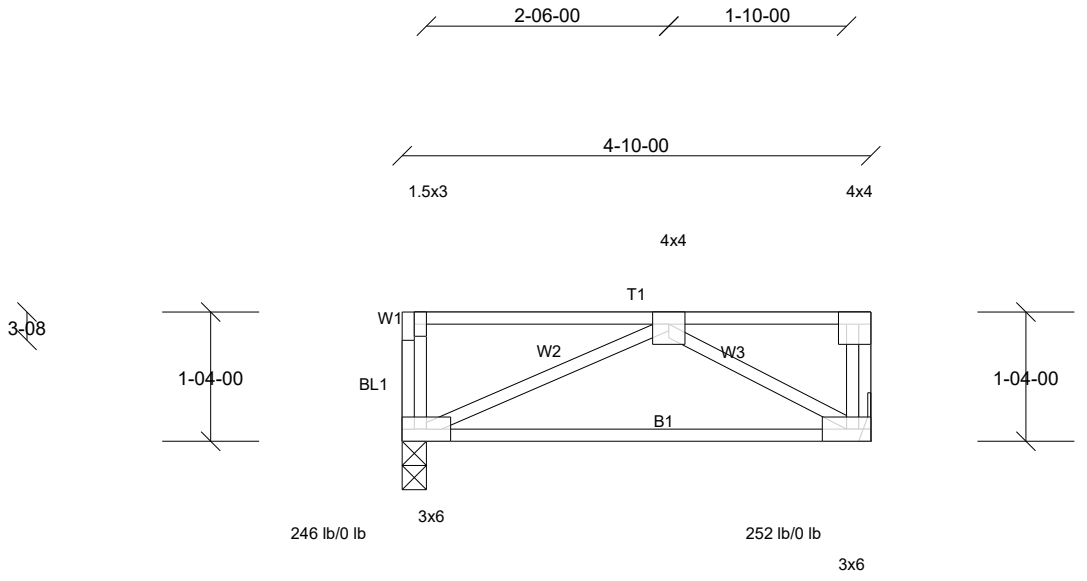
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F03	Floor	4	1	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [3:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.06	4-5	>873	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 28 lb	FT = 20%F, 11%E

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08)
Max Grav 4=252 (LC 1), 5=246 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=0/267
WEBS 2-5=-290/0, 2-4=-310/0

NOTES
1) Attach ribbon block to truss with 3-10d nails applied to flat face.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F04	Floor	3	1	Job Reference (optional)

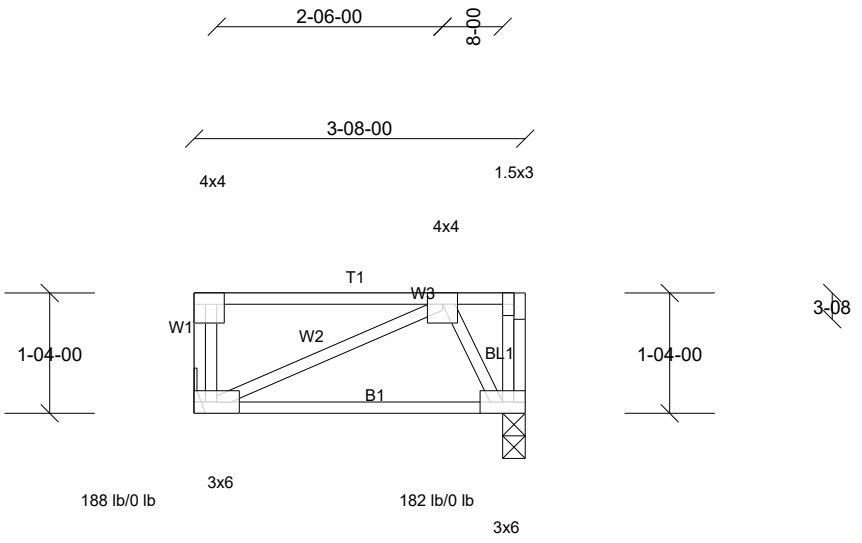

Plate Offsets (X, Y): [1:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=182 (LC 1), 5=188 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-261/0

NOTES
1) Attach ribbon block to truss with 3-10d nails applied to flat face.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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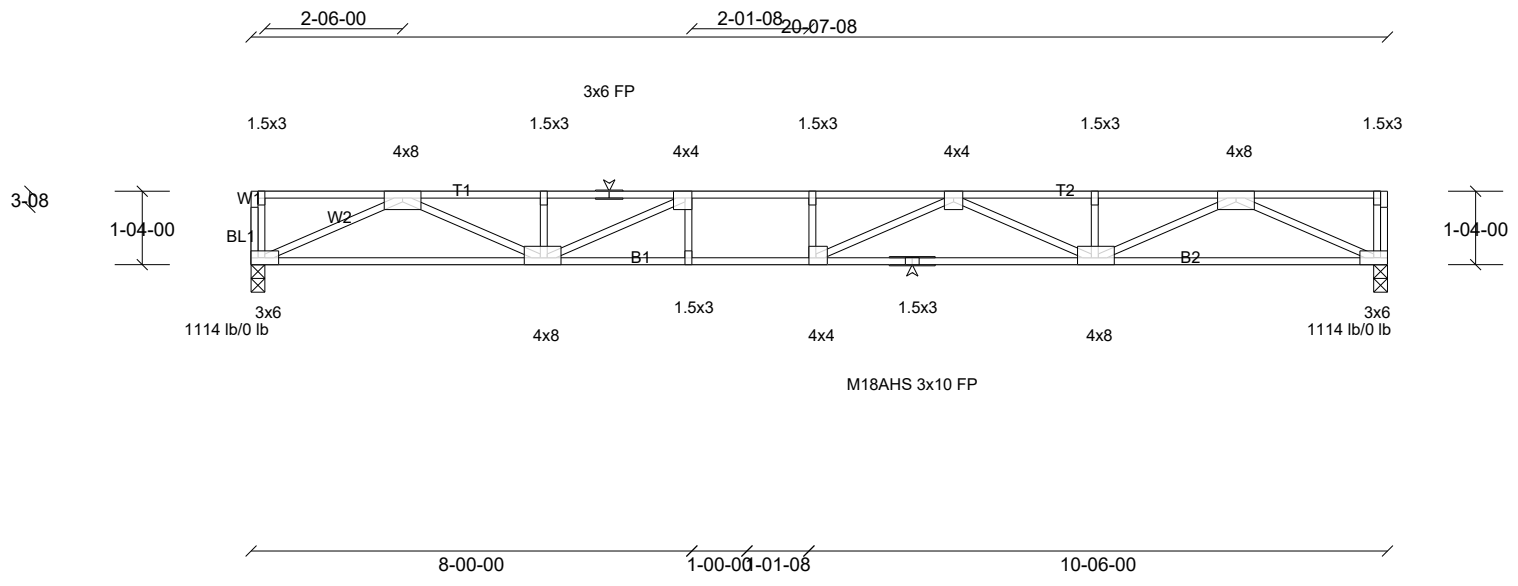
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F05	Floor	46	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [12:3-00,Edge], [14:1-08,Edge], [16:3-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.48	12-14	>507	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.67	12-14	>367	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.08	11	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 102 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat) *Except* T2:2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(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 (size) 11=3-00, (min. 1-08), 17=3-00, (min. 1-08)
Max Grav 11=1114 (LC 1), 17=1114 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3606/0, 3-4=-3606/0, 4-5=-3606/0, 5-6=-4629/0, 6-7=-4629/0, 7-8=-3642/0, 8-9=-3642/0
BOT CHORD 16-17=0/2150, 15-16=0/4629, 14-15=0/4629, 13-14=0/4476, 12-13=0/4476, 11-12=0/2160
WEBS 2-17=-2361/0, 2-16=0/1609, 3-16=-278/59, 5-16=-1351/0, 9-11=-2372/0, 9-12=0/1638, 7-12=-922/0, 7-14=-234/657

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) The Fabrication Tolerance at joint 13 = 11%
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F06	Floor	3	1	Job Reference (optional)

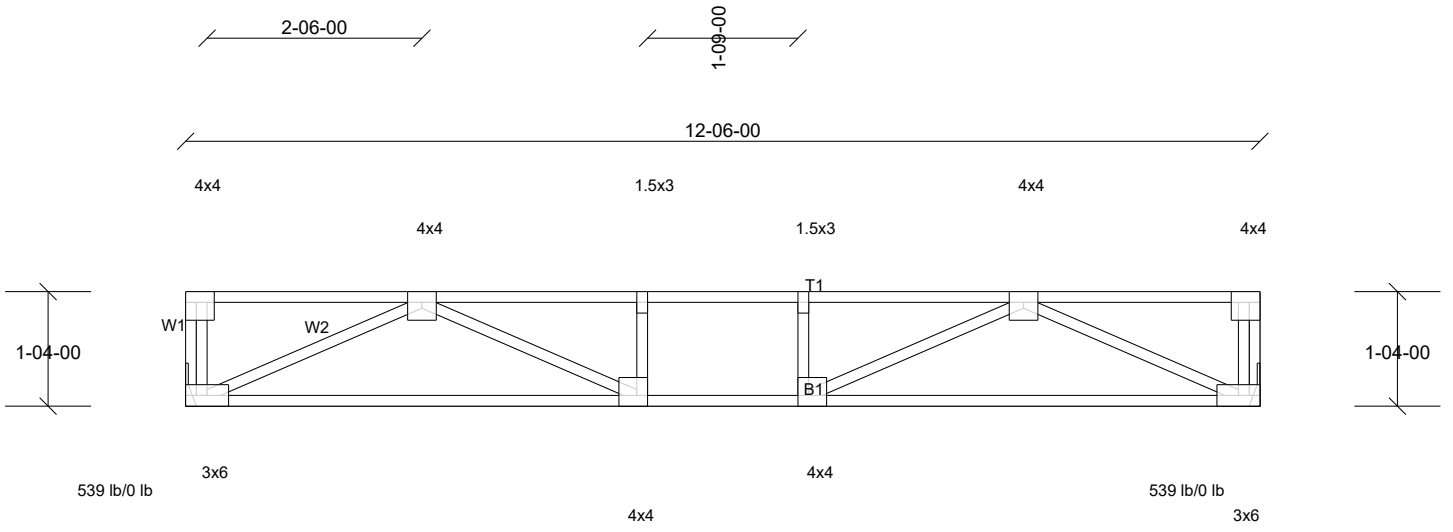

Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.11	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.16	9-10	>919	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 7= Mechanical, (min. 1-08), 10= Mechanical, (min. 1-08)
Max Grav 7=539 (LC 1), 10=539 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1366/0, 3-4=-1366/0, 4-5=-1366/0
BOT CHORD 9-10=0/950, 8-9=0/1366, 7-8=0/950
WEBS 5-7=-1046/0, 2-10=-1046/0, 5-8=0/530, 2-9=0/530

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F07	Floor	2	1	Job Reference (optional)

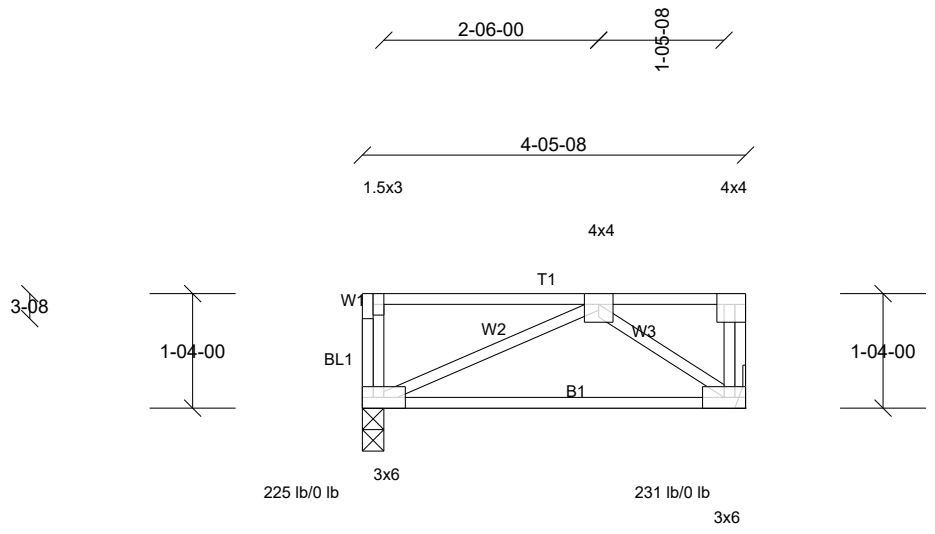

Plate Offsets (X, Y): [3:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.05	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08)
Max Grav 4=231 (LC 1), 5=225 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-276/0

NOTES
1) Attach ribbon block to truss with 3-10d nails applied to flat face.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F08	Floor	2	1	Job Reference (optional)

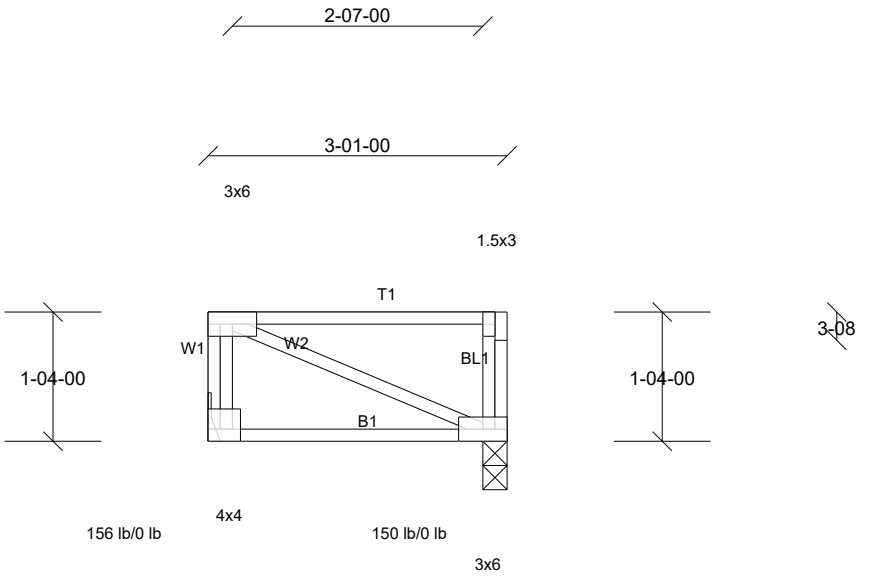

Plate Offsets (X, Y): [4:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.46	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.01	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=3-00, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Grav 3=150 (LC 1), 4=156 (LC 1)

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

NOTES
1) Attach ribbon block to truss with 3-10d nails applied to flat face.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

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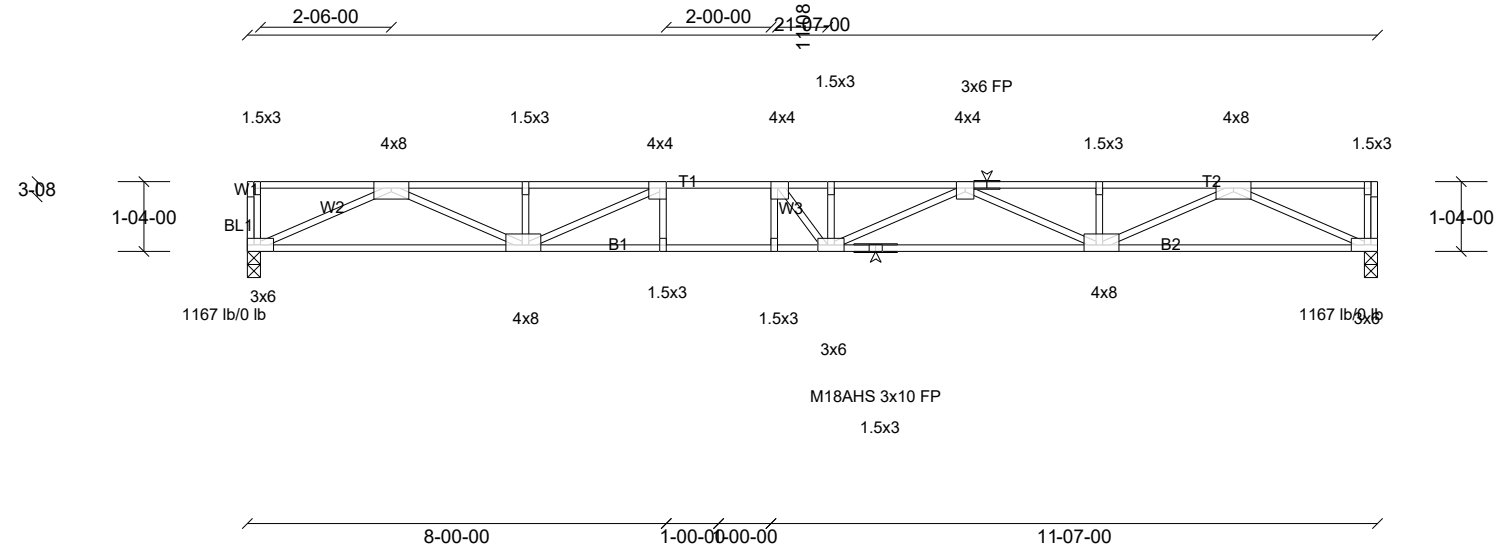
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F09	Floor	46	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [4:1-08,Edge], [5:1-08,Edge], [13:2-12,Edge], [18:3-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.48	15-16	>529	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.67	15-16	>385	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 108 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP 2400F 2.0E(flat) *Except* T2:2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* B2:2x4 SP No.1(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 2-2-0 oc bracing.

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REACTIONS (size) 12=3-00, (min. 1-08), 19=3-00, (min. 1-08)
Max Grav 12=1167 (LC 1), 19=1167 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3831/0, 3-4=-3831/0, 4-5=-4971/0, 5-6=-5217/0, 6-7=-5217/0, 7-8=-3860/0, 8-9=-3860/0, 9-10=-3860/0
BOT CHORD 18-19=0/2263, 17-18=0/4971, 16-17=0/4971, 15-16=0/4984, 14-15=0/4814, 13-14=0/4814, 12-13=0/2266
WEBS 5-16=-346/71, 2-19=-2485/0, 2-18=0/1734, 3-18=-269/46, 4-18=-1427/0, 10-12=-2489/0, 10-13=0/1762, 7-13=-1055/0, 7-15=0/562, 6-15=-401/32, 5-15=-347/723

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) The Fabrication Tolerance at joint 14 = 11%
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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	Lucy Quarter Townhomes
B2500281	F10	Floor	1	1	Job Reference (optional)

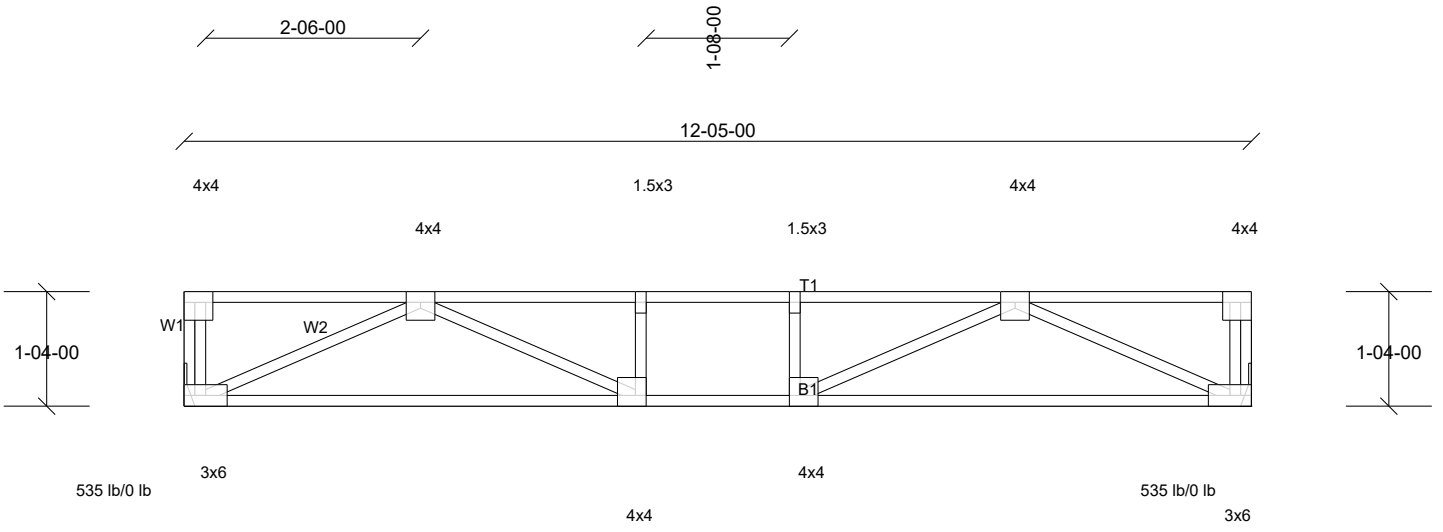


Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.10	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.16	9-10	>942	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 7= Mechanical, (min. 1-08), 10= Mechanical, (min. 1-08)
Max Grav 7=535 (LC 1), 10=535 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1350/0, 3-4=-1350/0, 4-5=-1350/0
BOT CHORD 9-10=0/943, 8-9=0/1350, 7-8=0/943
WEBS 5-7=-1038/0, 2-10=-1038/0, 5-8=0/519, 2-9=0/519

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F11	Floor	1	1	Job Reference (optional)

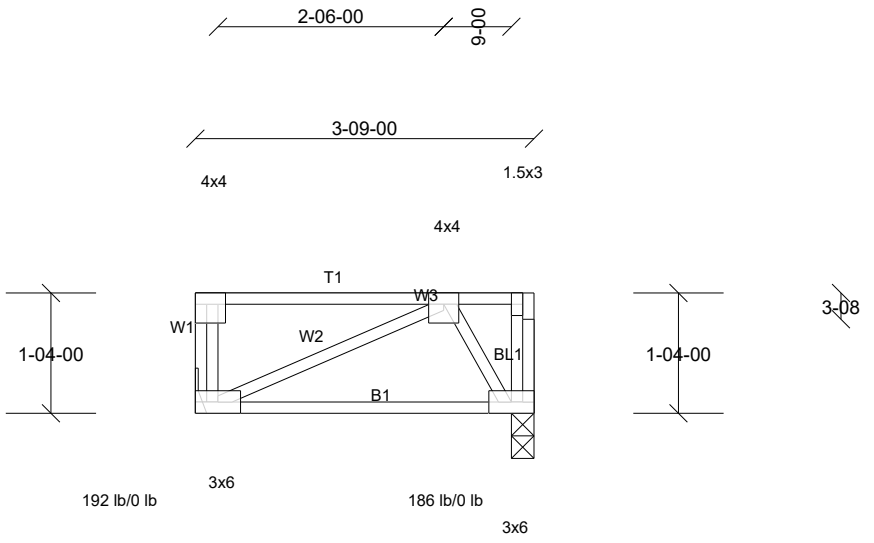


Plate Offsets (X, Y): [1:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=186 (LC 1), 5=192 (LC 1)

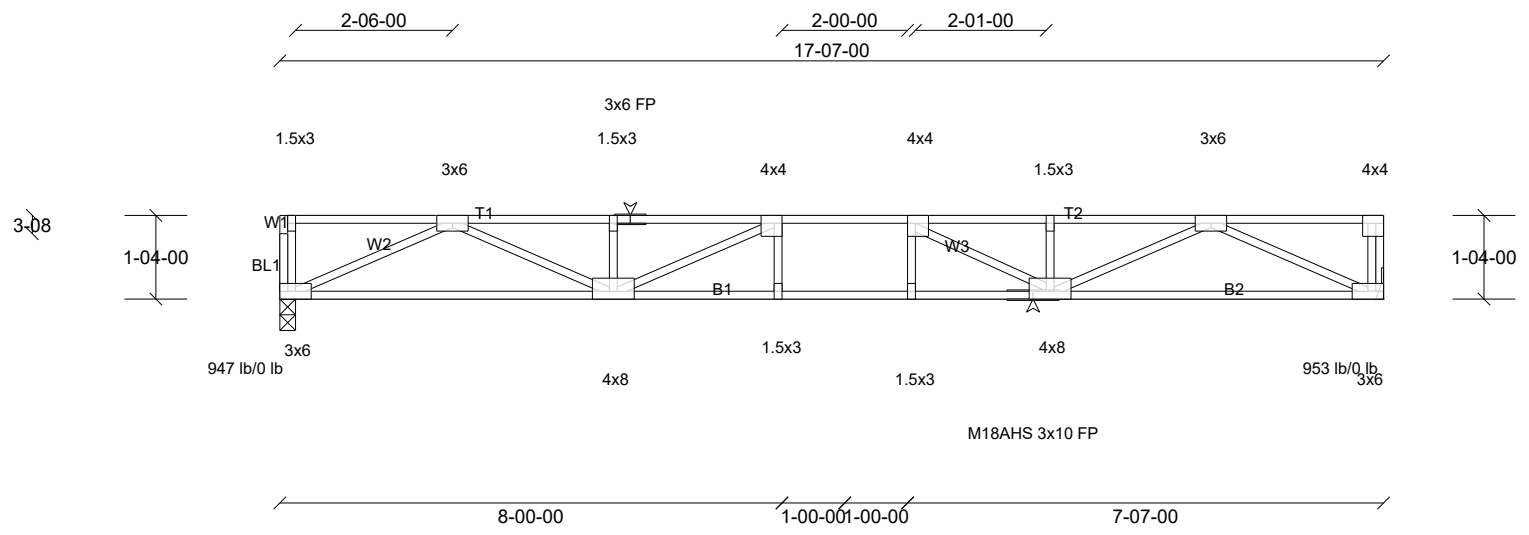
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-257/0

NOTES
1) Attach ribbon block to truss with 3-10d nails applied to flat face.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F12	Floor	12	1	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.25	14-15	>819	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.34	14-15	>617	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 88 lb	FT = 20%F, 11%E

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

QR Link: How to Read Engineer Drawings

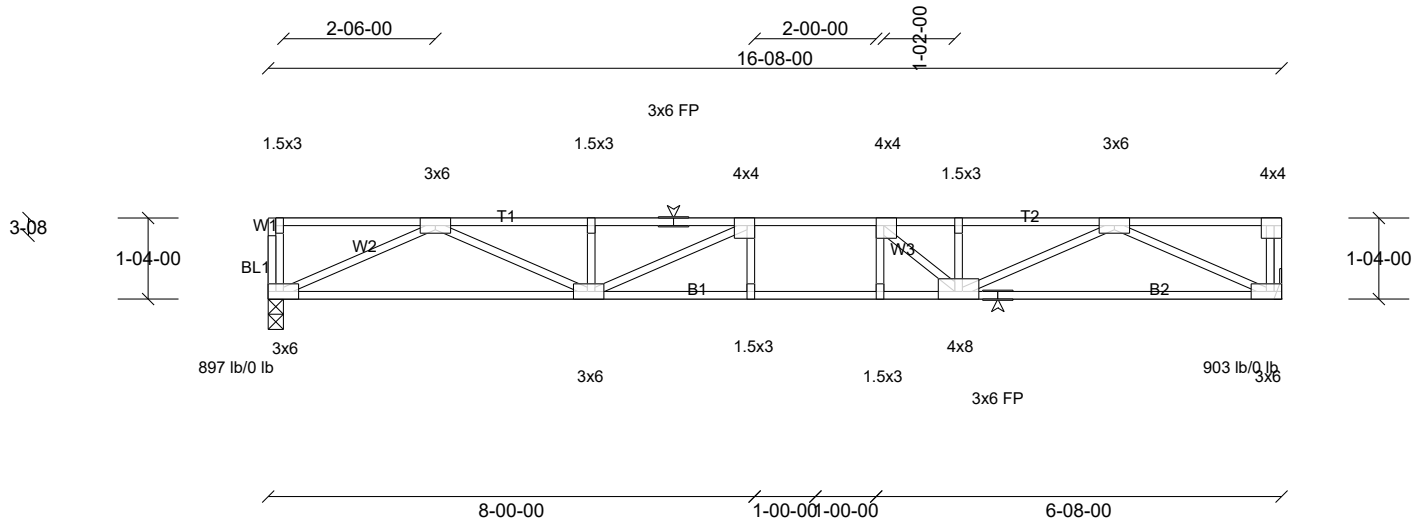
REACTIONS (size) 10= Mechanical, (min. 1-08), 16=3-00, (min. 1-08)
Max Grav 10=953 (LC 1), 16=947 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2926/0, 3-4=-2926/0, 4-5=-2926/0, 5-6=-3388/0, 6-7=-2906/0, 7-8=-2906/0
BOT CHORD 15-16=0/1789, 14-15=0/3388, 13-14=0/3388, 12-13=0/3388, 11-12=0/3388, 10-11=0/1792
WEBS 2-16=-1963/0, 2-15=0/1257, 3-15=-305/0, 5-15=-787/0, 8-10=-1973/0, 8-11=0/1232, 7-11=-273/25, 6-11=-813/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F13	Floor	12	1	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge], [15:2-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.23	14-15	>842	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.31	14-15	>627	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 85 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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 (size) 10= Mechanical, (min. 1-08), 16=3-00, (min. 1-08)
Max Grav 10=903 (LC 1), 16=897 (LC 1)

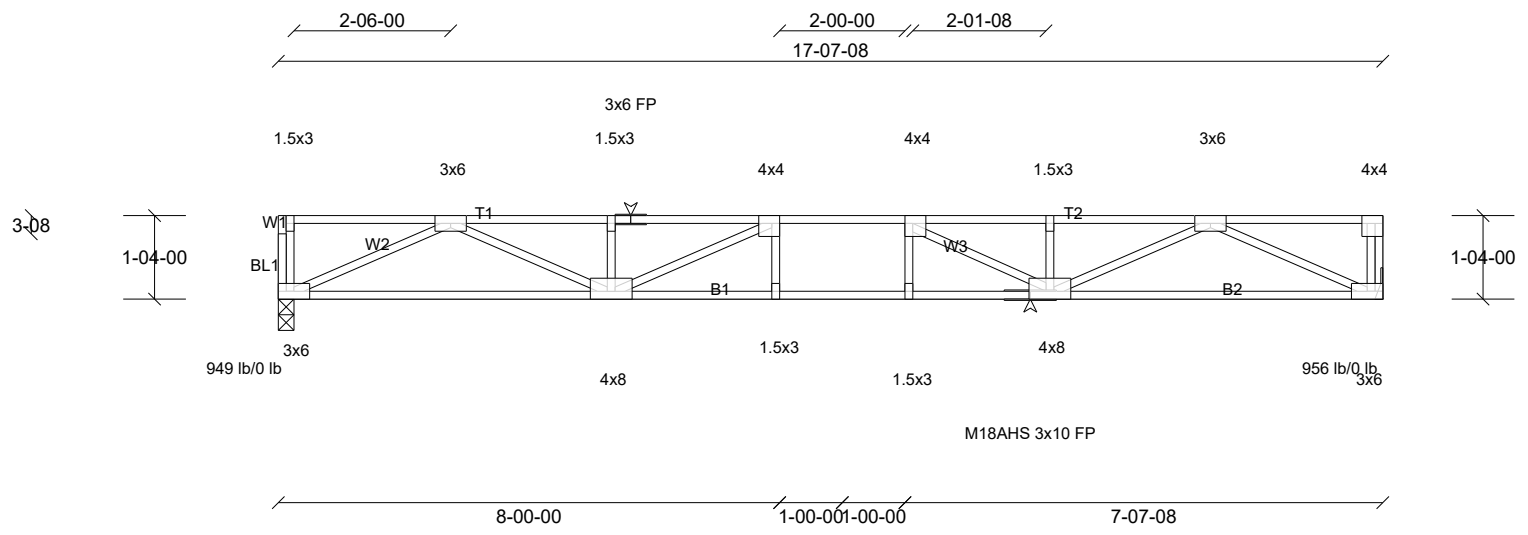
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2718/0, 3-4=-2718/0, 4-5=-2718/0, 5-6=-3023/0, 6-7=-2675/0, 7-8=-2675/0
BOT CHORD 15-16=0/1680, 14-15=0/3023, 13-14=0/3023, 12-13=0/3023, 11-12=0/1686, 10-11=0/1686
WEBS 2-16=-1843/0, 2-15=0/1148, 3-15=-308/0, 5-15=-626/14, 8-10=-1856/0, 8-12=0/1093, 6-12=-736/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Attach ribbon block to truss with 3-10d nails applied to flat face.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F14	Floor	12	1	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.25	14-15	>821	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.34	14-15	>617	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 89 lb	FT = 20%F, 11%E

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

QR Link: How to Read Engineer Drawings

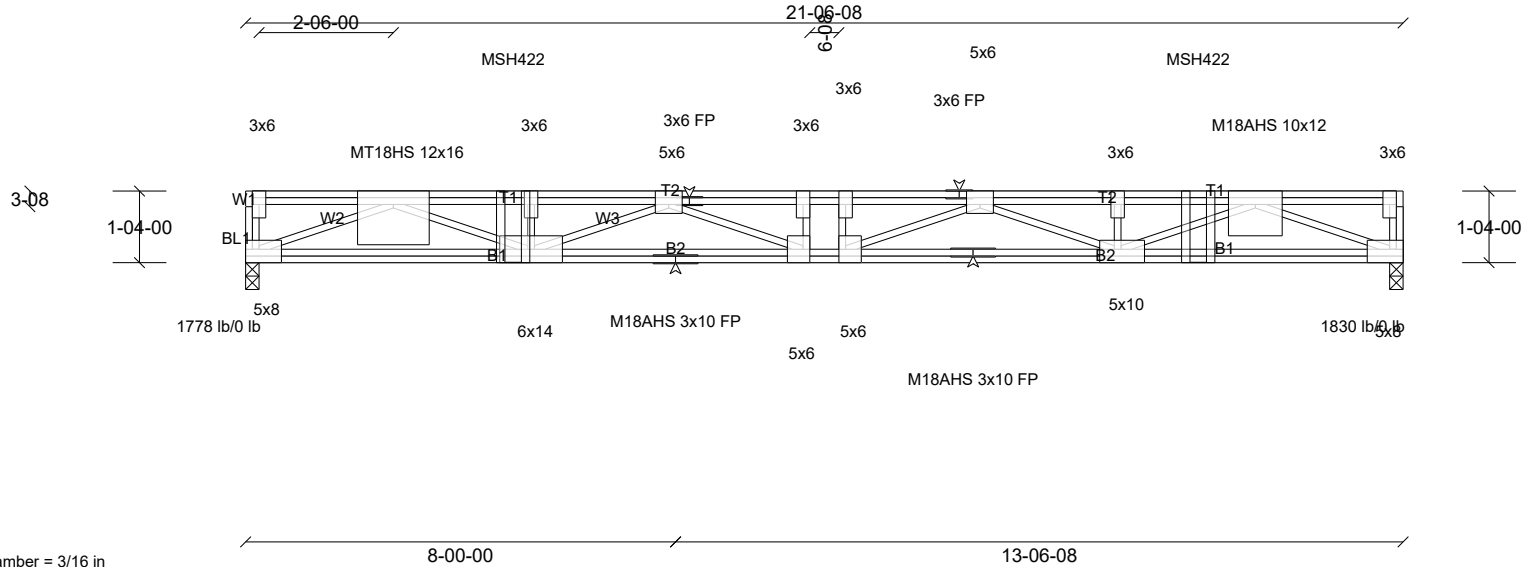
REACTIONS (size) 10= Mechanical, (min. 1-08), 16=3-00, (min. 1-08)
Max Grav 10=956 (LC 1), 16=949 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2935/0, 3-4=-2935/0, 4-5=-2935/0, 5-6=-3405/0, 6-7=-2917/0, 7-8=-2917/0
BOT CHORD 15-16=0/1793, 14-15=0/3405, 13-14=0/3405, 12-13=0/3405, 11-12=0/3405, 10-11=0/1797
WEBS 2-16=-1968/0, 2-15=0/1262, 3-15=-305/0, 5-15=-795/0, 8-10=-1978/0, 8-11=0/1238, 7-11=-276/23, 6-11=-818/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG01	Floor Girder	4	1	Job Reference (optional)



Camber = 3/16 in

8-00-00 13-06-08

Plate Offsets (X, Y): [4:3-00,Edge], [7:3-00,Edge], [9:3-00,Edge], [13:Edge,3-00], [14:3-04,Edge], [16:3-00,Edge], [17:3-00,Edge], [20:Edge,3-00]

Loading	(psf)	**Spacing**	2-00-00	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.45	17	>562	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.63	17	>406	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.07	13	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 169 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W2:2x4 SP No.1 (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 (size) 13=3-00, (min. 1-08), 20=3-00, (min. 1-08)
Max Grav 13=1830 (LC 1), 20=1778 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-6919/0, 3-23=-6919/0, 3-4=-6919/0, 4-5=-8135/0, 5-6=-8135/0, 6-7=-8135/0, 7-8=-8135/0, 8-9=-8135/0, 9-10=-6543/0, 10-24=-6543/0, 11-24=-6543/0
BOT CHORD 19-20=0/4133, 18-19=0/7801, 17-18=0/7801, 16-17=0/8135, 15-16=0/7571, 14-15=0/7571, 13-14=0/4338
WEBS 11-13=-4629/0, 2-20=-4410/0, 11-14=0/2396, 2-19=0/3027, 10-14=-575/0, 3-19=-905/0, 9-14=-1154/0, 4-19=-1024/0, 9-16=-303/1185, 4-17=-480/1019, 7-16=-284/13

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-0 oc max. starting at 4-11-12 from the left end to 17-8-12 to connect truss(es) FG02 (1 ply 2x4 SP), FG03 (1 ply 2x4 SP) to back face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-20=-10, 1-12=-100
Concentrated Loads (lb)
Vert: 23=-656, 24=-624

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG02	Floor Girder	2	1	Job Reference (optional)

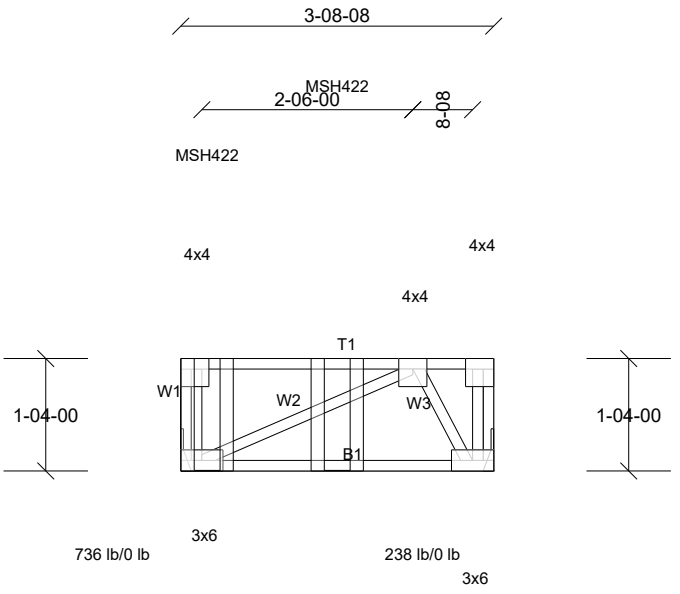


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=238 (LC 1), 5=736 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-617/0
WEBS 2-5=-250/0, 2-4=-398/0

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F02 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F03 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-498, 6=-172

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG03	Floor Girder	2	1	Job Reference (optional)

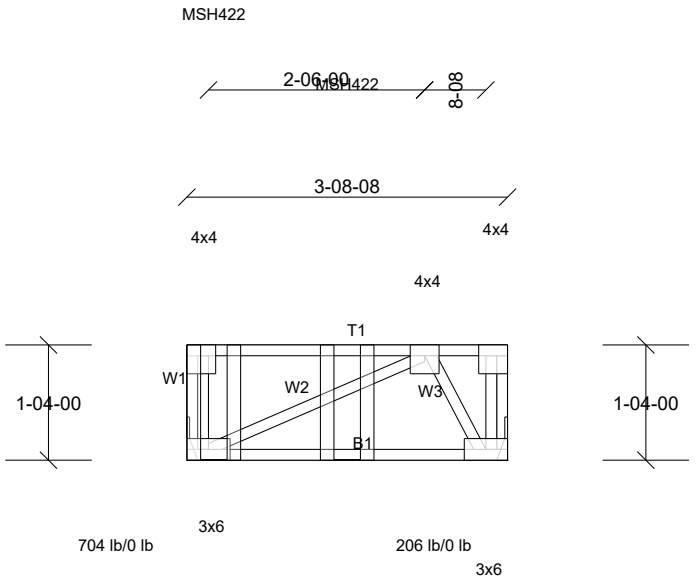


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=206 (LC 1), 5=704 (LC 1)

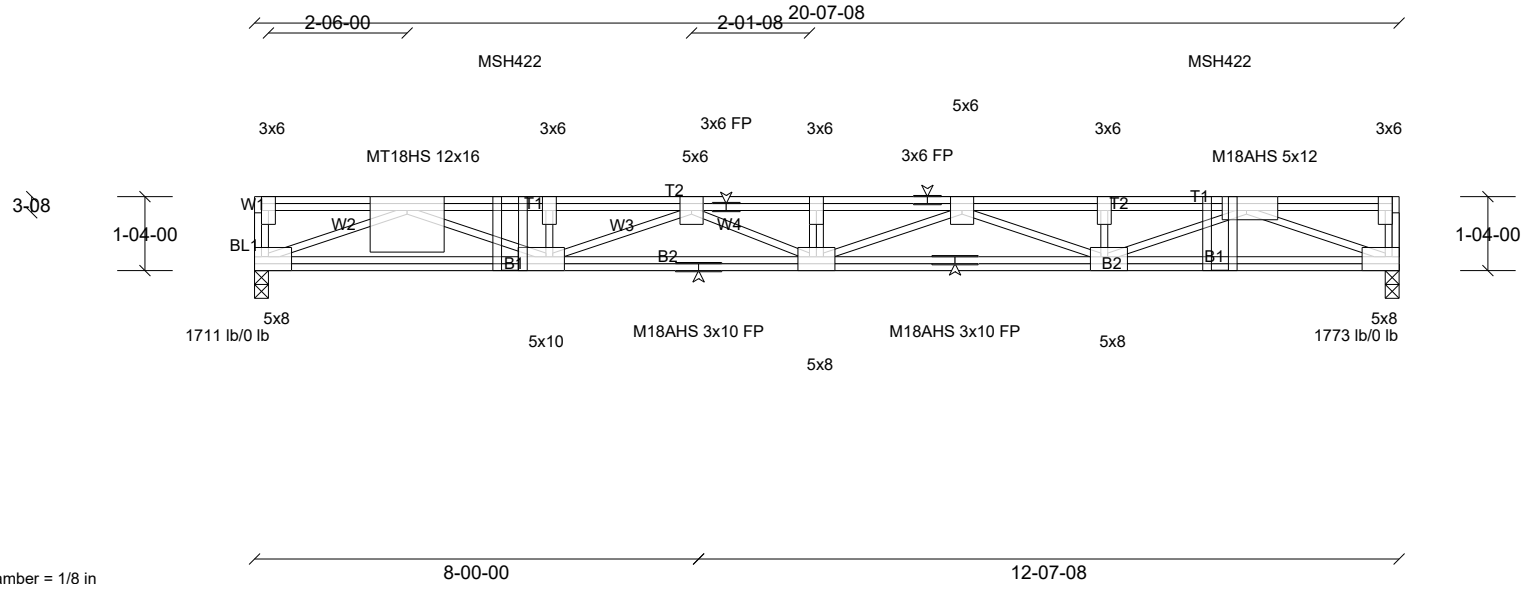
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-604/0
WEBS 2-4=-325/0

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F04 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F02 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-498, 6=-108

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG04	Floor Girder	4	1	Job Reference (optional)



Camber = 1/8 in

Plate Offsets (X, Y): [10:5-04,Edge], [12:Edge,3-00], [13:2-04,Edge], [15:4-00,Edge], [17:4-00,Edge], [18:Edge,3-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.38	15	>638	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.53	15	>460	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.06	12	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 163 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W2:2x4 SP No.1 (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 (size) 12=3-00, (min. 1-08), 18=3-00, (min. 1-08)
Max Grav 12=1773 (LC 1), 18=1711 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-6433/0, 3-21=-6433/0, 3-4=-6433/0, 4-5=-7371/0, 5-6=-7371/0, 6-7=-7368/0, 7-8=-7368/0, 8-9=-5917/0, 9-22=-5917/0, 10-22=-5917/0
BOT CHORD 17-18=0/4000, 16-17=0/7111, 15-16=0/7111, 14-15=0/6914, 13-14=0/6914, 12-13=0/4169
WEBS 3-17=-797/0, 4-17=-737/0, 8-15=0/491, 4-15=0/288, 6-15=-262/0, 2-18=-4268/0, 2-17=0/2643, 9-13=-372/0, 10-12=-4449/0, 8-13=-1083/0, 10-13=0/1900

NOTES
1) All plates are MT20 plates unless otherwise indicated.
2) Attach ribbon block to truss with 3-10d nails applied to flat face.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18, 12.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-8 oc max. starting at 4-7-4 from the left end to 17-4-12 to connect truss(es) FG05 (1 ply 2x4 SP), FG06 (1 ply 2x4 SP) to back face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 12-18=-10, 1-11=-100
Concentrated Loads (lb)
Vert: 21=-647, 22=-610

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG05	Floor Girder	2	1	Job Reference (optional)

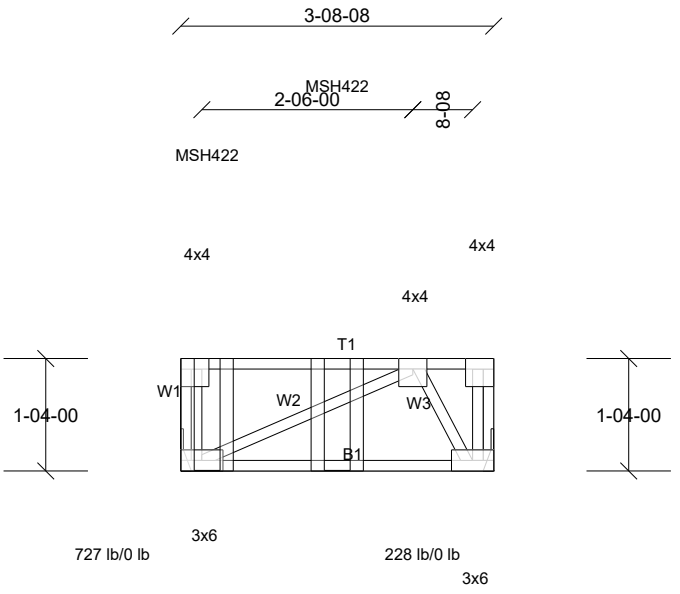


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=228 (LC 1), 5=727 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-615/0
WEBS 2-4=-374/0

QR Link: How to Read Engineer Drawings

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F06 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F07 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-499, 6=-151

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG06	Floor Girder	2	1	Job Reference (optional)

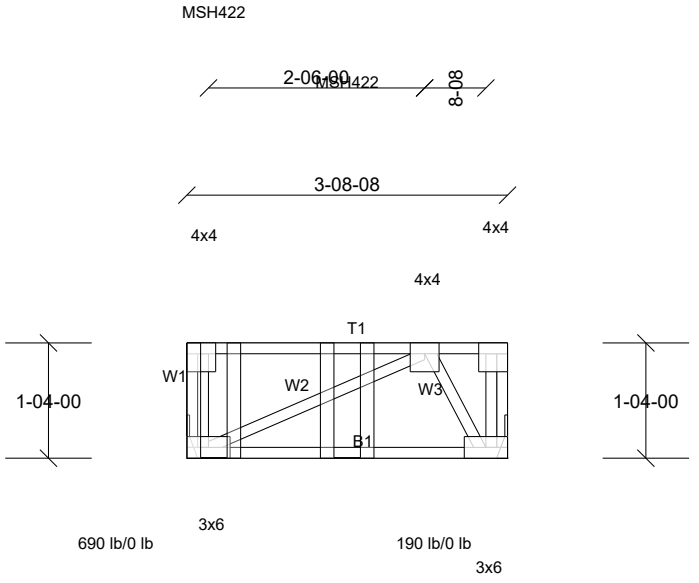


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=190 (LC 1), 5=690 (LC 1)

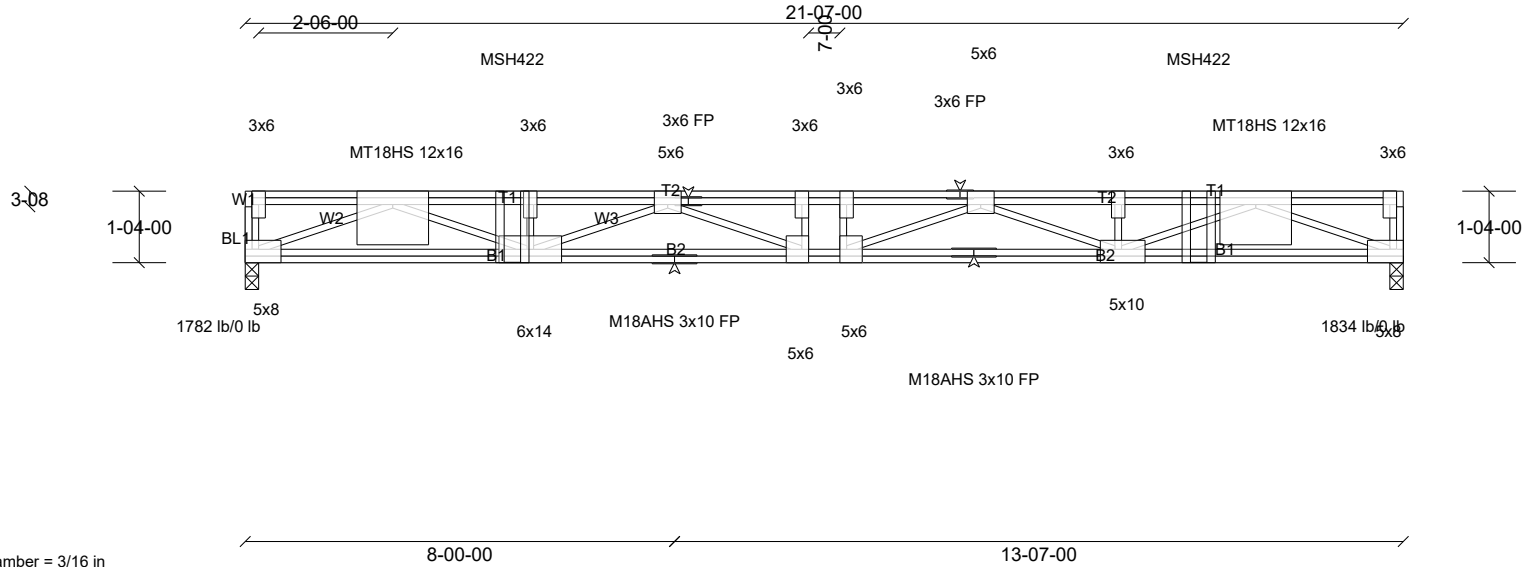
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-599/0
WEBS 2-4=-289/0

QR Link: How to Read Engineer Drawings

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F08 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F06 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-499, 6=-76

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG07	Floor Girder	2	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [4:3-00,Edge], [7:3-00,Edge], [9:3-00,Edge], [13:Edge,3-00], [14:3-04,Edge], [16:3-00,Edge], [17:3-00,Edge], [20:Edge,3-00]

Loading	(psf)	**Spacing**	2-00-00	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.46	17	>559	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.63	17	>404	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.07	13	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 169 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W2:2x4 SP No.1 (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 (size) 13=3-00, (min. 1-08), 20=3-00, (min. 1-08)
Max Grav 13=1834 (LC 1), 20=1782 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-6938/0, 3-23=-6938/0, 3-4=-6938/0, 4-5=-8163/0, 5-6=-8163/0, 6-7=-8163/0, 7-8=-8163/0, 8-9=-8163/0, 9-10=-6560/0, 10-24=-6560/0, 11-24=-6560/0
BOT CHORD 19-20=0/4143, 18-19=0/7825, 17-18=0/7825, 16-17=0/8163, 15-16=0/7593, 14-15=0/7593, 13-14=0/4348
WEBS 3-19=-906/0, 4-19=-1029/0, 9-16=-302/1197, 4-17=-481/1029, 7-16=-289/15, 2-20=-4421/0, 2-19=0/3037, 10-14=-575/0, 11-13=-4640/0, 9-14=-1159/0, 11-14=0/2403

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-8 oc max. starting at 4-11-12 from the left end to 17-9-4 to connect truss(es) FG08 (1 ply 2x4 SP), FG09 (1 ply 2x4 SP) to back face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-20=-10, 1-12=-100
Concentrated Loads (lb)
Vert: 23=-658, 24=-626

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG08	Floor Girder	1	1	Job Reference (optional)

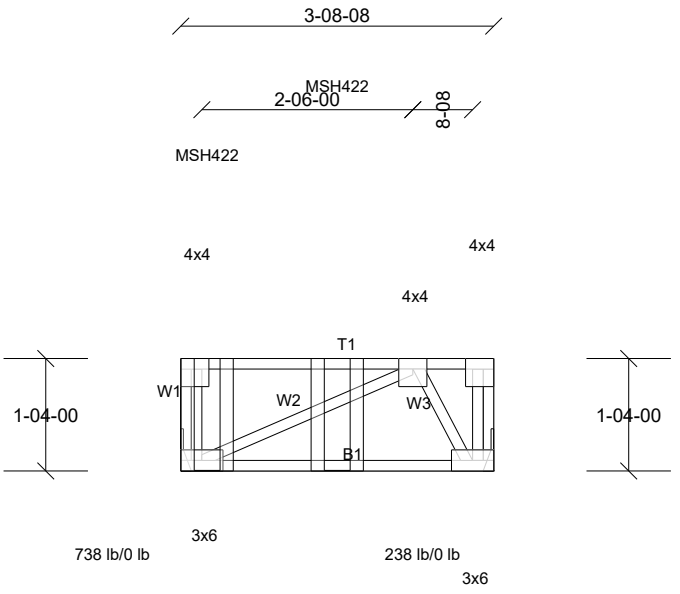


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=238 (LC 1), 5=738 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-619/0
WEBS 2-5=-250/0, 2-4=-398/0

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F06 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F03 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-499, 6=-172

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG09	Floor Girder	1	1	Job Reference (optional)

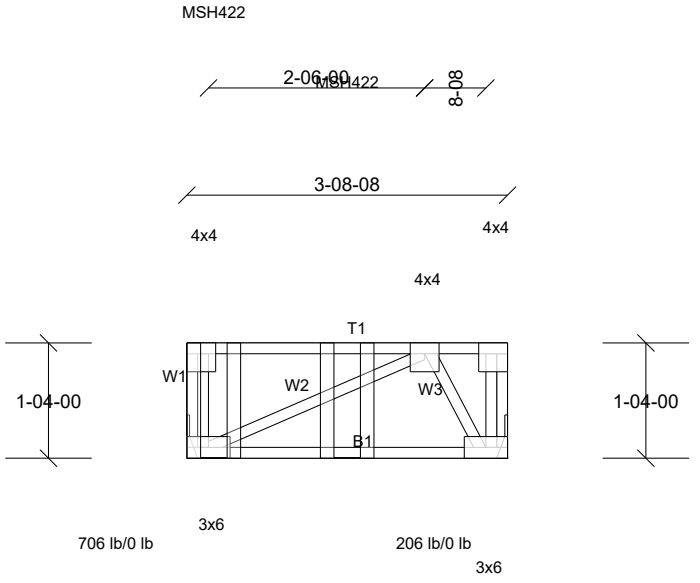


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=206 (LC 1), 5=706 (LC 1)

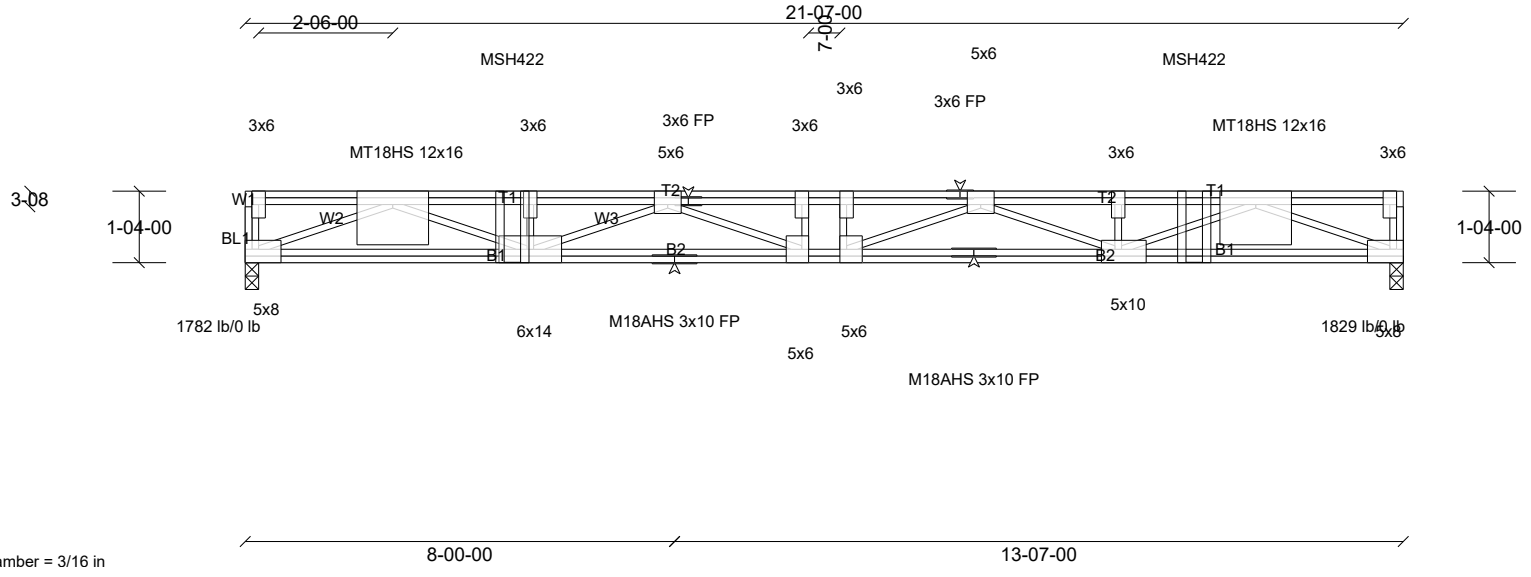
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-606/0
WEBS 2-4=-325/0

QR Link: How to Read Engineer Drawings

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F04 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F06 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-499, 6=-108

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG10	Floor Girder	2	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [4:3-00,Edge], [7:3-00,Edge], [9:3-00,Edge], [13:Edge,3-00], [14:3-00,Edge], [16:3-00,Edge], [17:3-00,Edge], [20:Edge,3-00]

Loading	(psf)	**Spacing**	2-00-00	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.80	Vert(LL)	-0.46	17	>559	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.63	17	>403	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.07	13	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 169 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W2:2x4 SP No.1 (flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 13=3-00, (min. 1-08), 20=3-00, (min. 1-08)
Max Grav 13=1829 (LC 1), 20=1782 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-6936/0, 3-23=-6936/0, 3-4=-6936/0, 4-5=-8177/0, 5-6=-8177/0, 6-7=-8177/0, 7-8=-8177/0, 8-9=-8177/0, 9-10=-6593/0, 10-24=-6593/0, 11-24=-6593/0
BOT CHORD 19-20=0/4141, 18-19=0/7830, 17-18=0/7830, 16-17=0/8177, 15-16=0/7613, 14-15=0/7613, 13-14=0/4336
WEBS 3-19=-903/0, 4-19=-1036/0, 9-16=-309/1193, 4-17=-477/1038, 7-16=-288/16, 2-20=-4419/0, 2-19=0/3036, 10-14=-602/0, 11-13=-4627/0, 9-14=-1153/0, 11-14=0/2453

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 20, 13.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-8-8 oc max. starting at 4-11-12 from the left end to 17-8-4 to connect truss(es) FG11 (1 ply 2x4 SP), FG12 (1 ply 2x4 SP) to back face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-20=-10, 1-12=-100
Concentrated Loads (lb)
Vert: 23=-654, 24=-624

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG11	Floor Girder	1	1	Job Reference (optional)

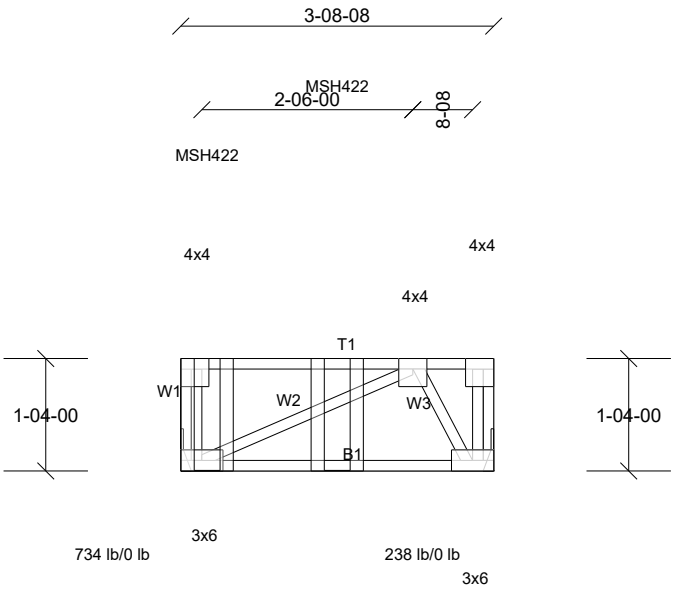


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=238 (LC 1), 5=734 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-615/0
WEBS 2-5=-250/0, 2-4=-398/0

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F10 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F03 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-496, 6=-172

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG12	Floor Girder	1	1	Job Reference (optional)

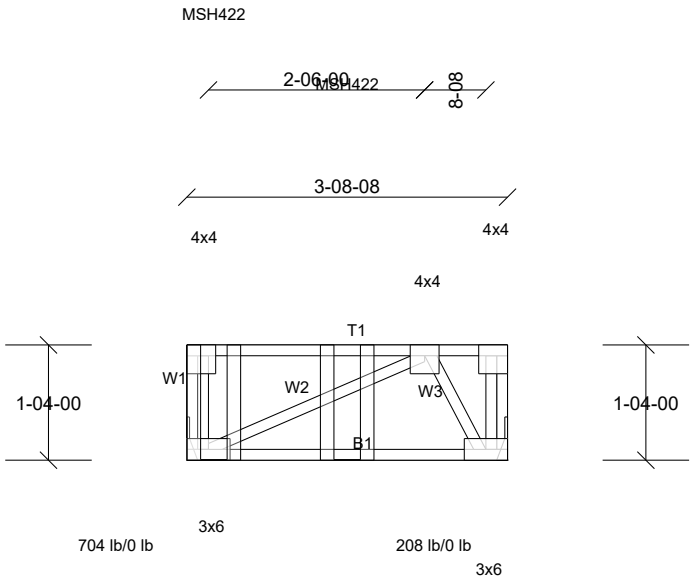


Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%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 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, (min. 1-08), 5= Mechanical, (min. 1-08)
Max Grav 4=208 (LC 1), 5=704 (LC 1)

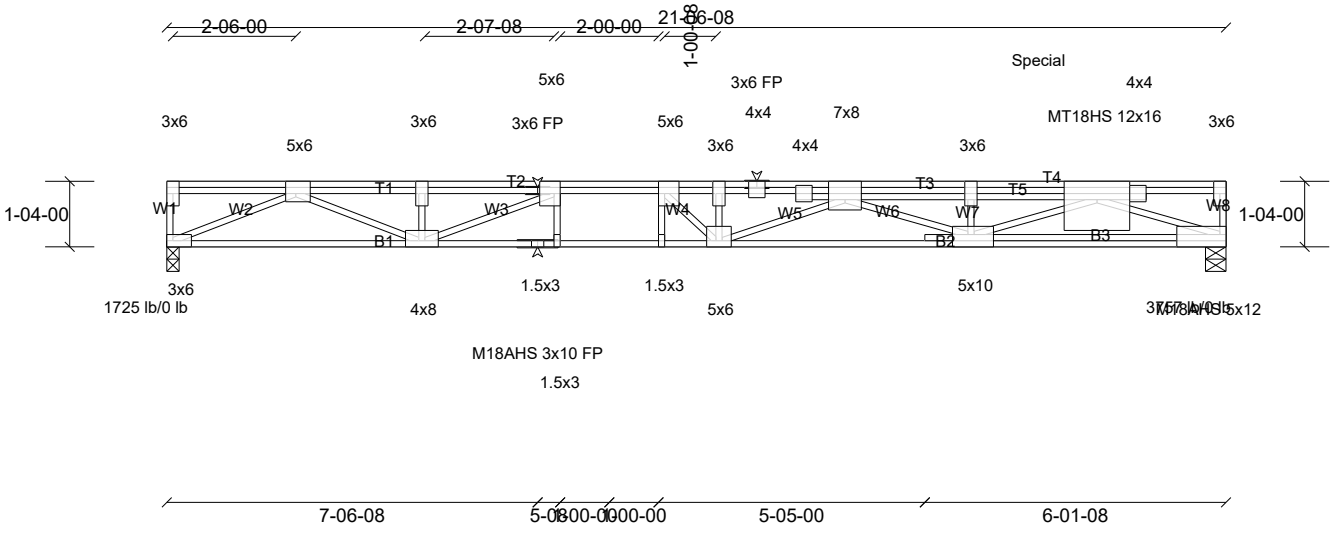
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-603/0
WEBS 2-4=-330/0

QR Link: How to Read Engineer Drawings

NOTES
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
3) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) F11 (1 ply 2x4 SP) to front face of top chord.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-3-12 from the left end to connect truss(es) F10 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-496, 6=-112

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG13	Floor Girder	4	2	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [2:2-08,Edge], [5:3-00,Edge], [6:3-00,Edge], [10:4-00,Edge], [11:4-08,Edge], [15:Edge,2-00], [16:3-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.82	Vert(LL)	-0.42	18-19	>610	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.58	18-19	>442	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.09	15	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 310 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* B3:2x4 SP No.1(flat)
WEBS 2x4 SP No.1(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) 15=5-00, (min. 1-08), 23=3-00, (min. 1-08)
Max Grav 15=3757 (LC 1), 23=1725 (LC 1)

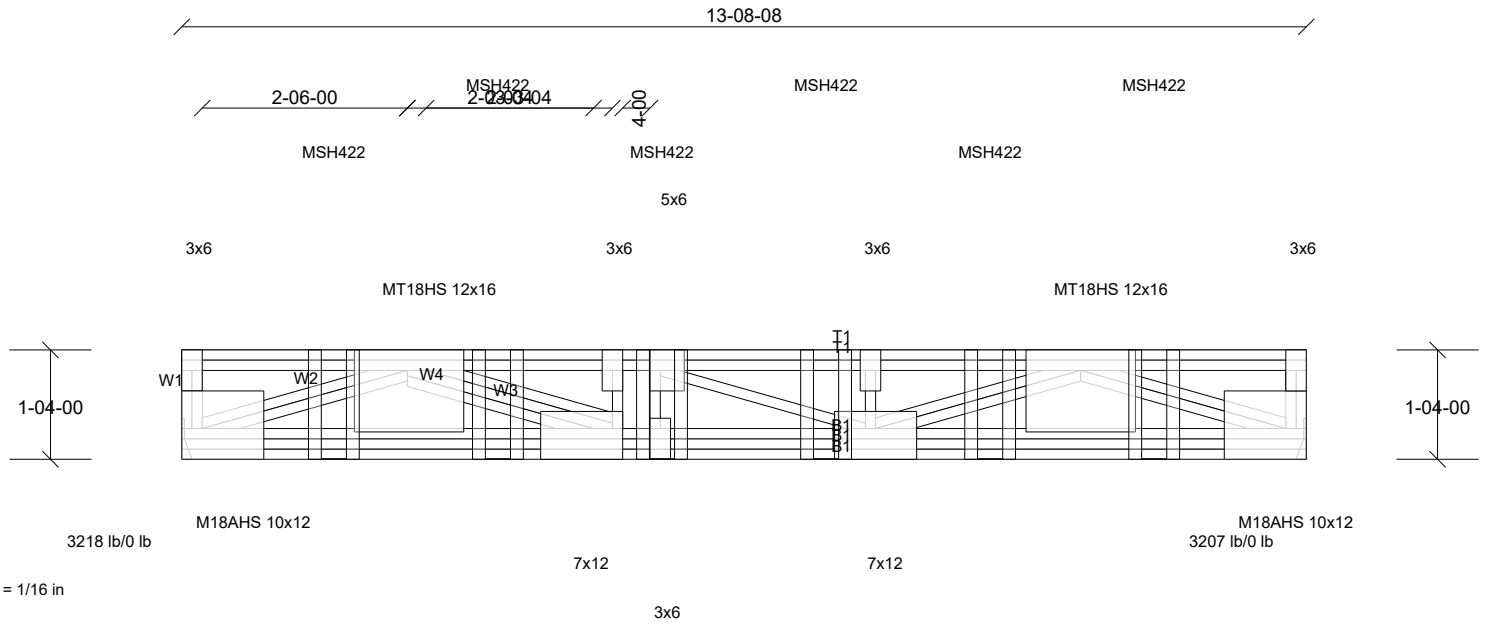
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6360/0, 3-4=-6360/0, 4-5=-6360/0, 5-6=-9415/0, 6-7=-10901/0, 7-8=-10901/0, 8-9=-10872/0, 9-10=-10901/0, 10-11=-13096/0, 11-24=-13096/0, 12-24=-13096/0
BOT CHORD 22-23=0/3558, 21-22=0/9415, 20-21=0/9415, 19-20=0/9415, 18-19=0/9415, 17-18=0/11942, 16-17=0/11921, 15-16=0/9085
WEBS 6-19=-279/8, 2-23=-3898/0, 2-22=0/3070, 3-22=-236/296, 5-22=-3526/0, 12-15=-9779/0, 12-16=0/4317, 11-16=-2077/0, 10-16=-70/1574, 10-18=-1370/56, 7-18=-1118/0, 6-18=0/2498

NOTES
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) All plates are MT20 plates unless otherwise indicated.
4) The Fabrication Tolerance at joint 21 = 11%
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3191 lb down at 17-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-14=-100
Concentrated Loads (lb)
Vert: 24=-3127

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG14	Floor Girder	2	1	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [2:7-12,Edge], [4:3-00,Edge], [8:Edge,4-08], [9:6-00,Edge], [10:4-08,Edge], [11:1-08,Edge], [12:Edge,4-08]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.99	Vert(LL)	-0.24	9-10	>670	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.33	9-10	>485	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.04	8	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 147 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 8= Mechanical, (min. 1-08), 12= Mechanical, (min. 1-08)
Max Grav 8=3207 (LC 1), 12=3218 (LC 1)

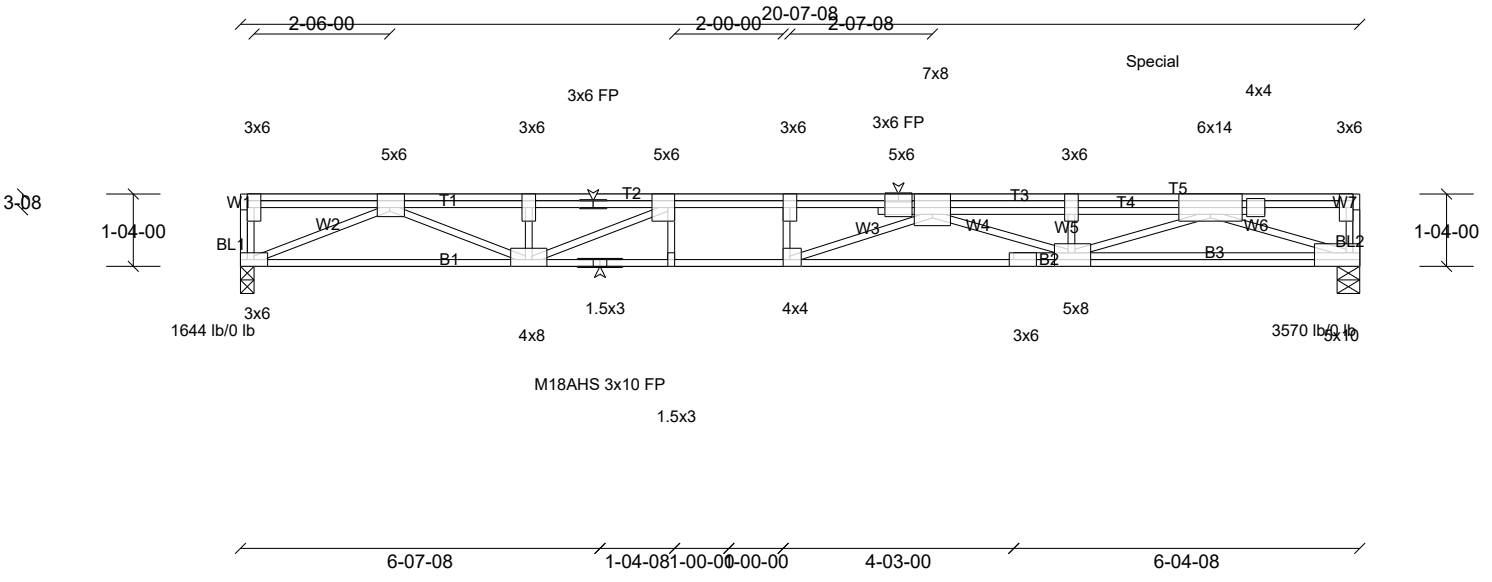
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-291/0, 7-8=-271/0, 2-14=-10975/0, 3-14=-10975/0, 3-4=-10975/0, 4-15=-10806/0, 5-15=-10806/0, 5-16=-10660/0, 6-16=-10660/0
BOT CHORD 11-12=0/7709, 10-11=0/10975, 9-10=0/10975, 8-9=0/7361
WEBS 6-8=-7898/0, 2-12=-8227/0, 6-9=0/3575, 2-11=0/4122, 5-9=-1393/0, 3-11=-735/0, 4-9=-1120/848, 4-10=-1188/278

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 11-10-4 to connect truss(es) F12 (1 ply 2x4 SP) to back face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 4=-873, 13=-873, 14=-873, 15=-873, 16=-873, 17=-873

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG15	Floor Girder	4	2	Job Reference (optional)



Camber = 1/8 in

Plate Offsets (X, Y): [2:2-12,Edge], [5:3-00,Edge], [6:3-00,Edge], [9:4-00,Edge], [10:4-08,Edge], [11:7-00,Edge], [14:Edge,3-00], [15:3-00,Edge], [17:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.39	15-17	>623	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.54	15-17	>449	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 299 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except* B2:2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat) *Except* W6:2x4 SP No.1 (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 (size) 14=5-00, (min. 1-08), 21=3-00, (min. 1-08)
Max Grav 14=3570 (LC 1), 21=1644 (LC 1)

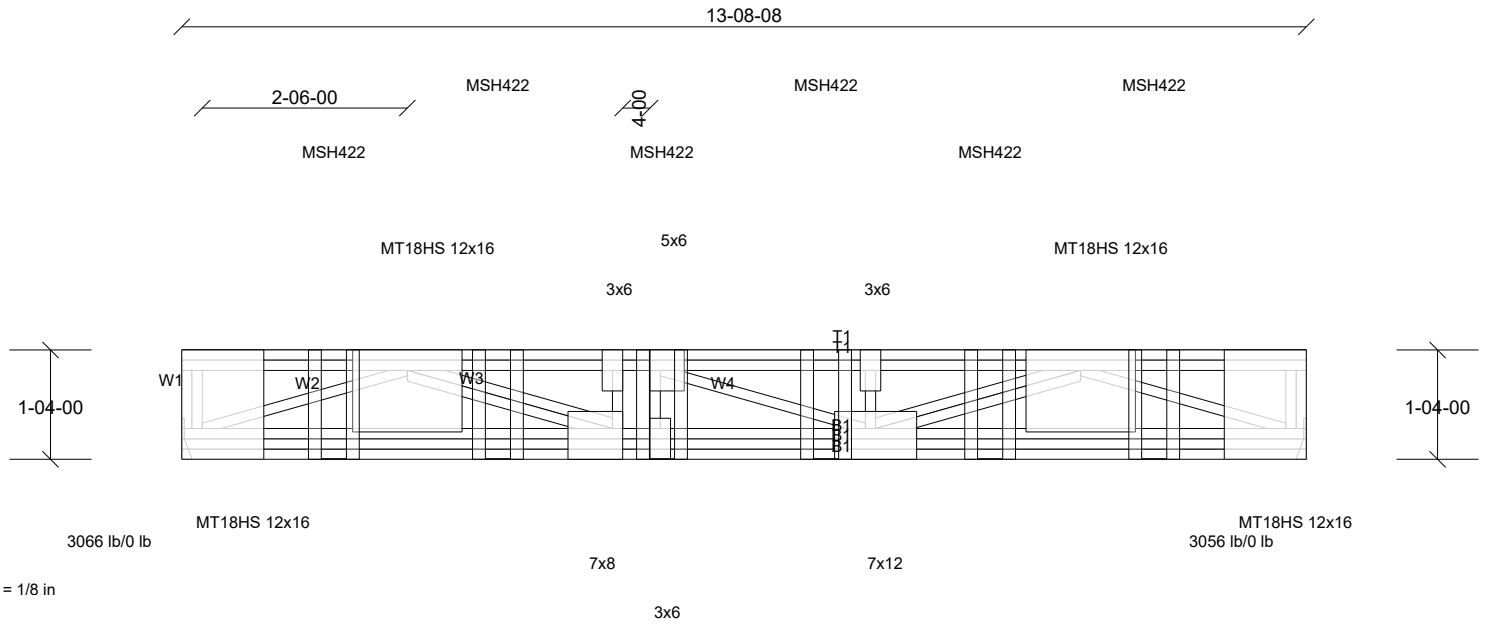
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6074/0, 3-4=-6074/0, 4-5=-6074/0, 5-6=-8929/0, 6-7=-8935/0, 7-8=-8929/0, 8-9=-8929/0, 9-10=-11965/0, 10-24=-11965/0, 11-24=-11965/0
BOT CHORD 20-21=0/3452, 19-20=0/8929, 18-19=0/8929, 17-18=0/8929, 16-17=0/11197, 15-16=0/11185, 14-15=0/9204
WEBS 5-18=0/272, 6-17=0/846, 2-21=-3760/0, 2-20=0/2872, 3-20=-233/346, 5-20=-3379/0, 11-14=-9745/0, 11-15=0/2977, 10-15=-1561/0, 9-15=-167/1119, 9-17=-2924/0

NOTES
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) All plates are MT20 plates unless otherwise indicated.
4) Attach ribbon block to truss with 3-10d nails applied to flat face.
5) The Fabrication Tolerance at joint 19 = 11%
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3050 lb down at 16-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 14-21=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 24=-2986

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG16	Floor Girder	2	1	Job Reference (optional)



Camber = 1/8 in

Plate Offsets (X, Y): [4:3-00,Edge], [8:Edge,3-00], [9:6-00,Edge], [10:4-08,Edge], [11:1-08,Edge], [12:Edge,3-00]

Loading	(psf)	**Spacing**	1-07-03	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.89	Vert(LL)	-0.26	9-10	>621	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.36	9-10	>449	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 136 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W2:2x4 SP 2400F 2.0E(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 8= Mechanical, (min. 1-08), 12= Mechanical, (min. 1-08)
Max Grav 8=3056 (LC 1), 12=3066 (LC 1)

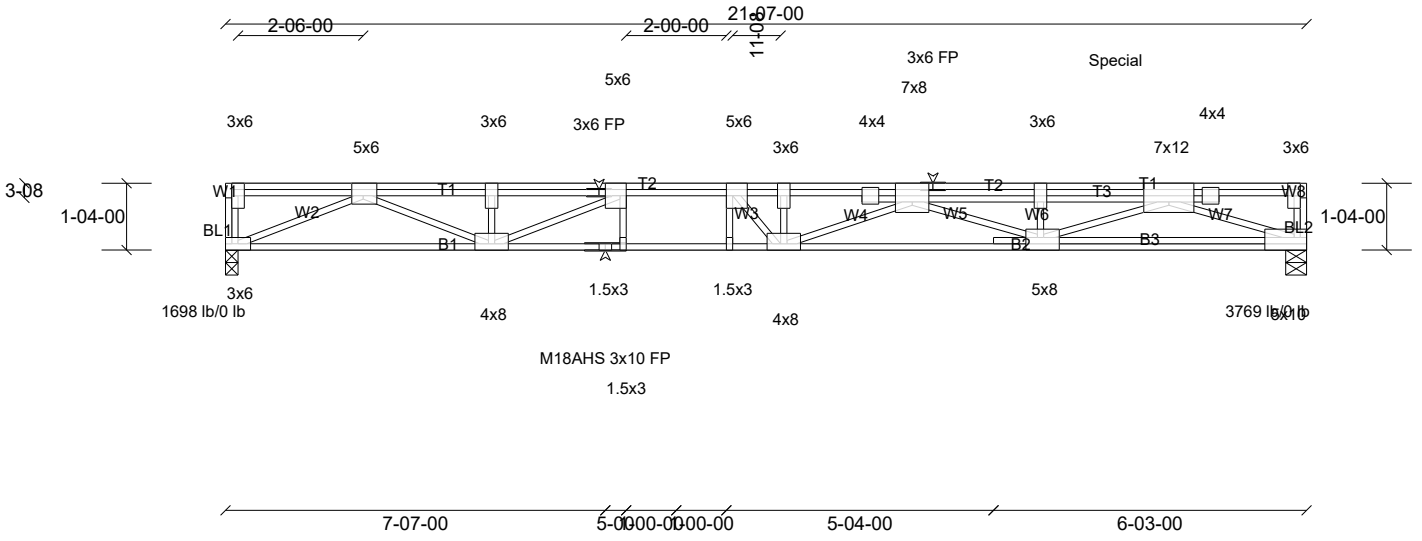
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-286/0, 7-8=-303/0, 2-14=-10458/0, 3-14=-10458/0, 3-4=-10458/0, 4-15=-10327/0, 5-15=-10327/0, 5-16=-10190/0, 6-16=-10190/0
BOT CHORD 11-12=0/7323, 10-11=0/10458, 9-10=0/10458, 8-9=0/7227
WEBS 6-9=0/3235, 2-11=0/3948, 5-9=-1308/0, 3-11=-756/0, 4-9=-1074/856, 4-10=-1088/274, 6-8=-7712/0, 2-12=-7815/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 11-10-4 to connect truss(es) F13 (1 ply 2x4 SP) to back face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 4=-823, 13=-823, 14=-823, 15=-823, 16=-823, 17=-823

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG17	Floor Girder	4	2	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [2:2-12,Edge], [5:3-00,Edge], [6:3-00,Edge], [9:4-00,Edge], [11:4-08,Edge], [12:6-00,Edge], [15:Edge,3-00], [16:2-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.42	18-19	>614	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.57	18-19	>445	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.08	15	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 314 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* B3:2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except* W7:2x4 SP No.1 (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 (size) 15=5-00, (min. 1-08), 23=3-00, (min. 1-08)
Max Grav 15=3769 (LC 1), 23=1698 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6326/0, 3-4=-6326/0, 4-5=-6326/0, 5-6=-9221/0, 6-7=-10732/0, 7-8=-10725/0, 8-9=-10732/0, 9-10=-12734/0, 10-11=-12734/0, 11-26=-12734/0, 12-26=-12734/0
BOT CHORD 22-23=0/3582, 21-22=0/9221, 20-21=0/9221, 19-20=0/9221, 18-19=0/9237, 17-18=0/11714, 16-17=0/11694, 15-16=0/9684
WEBS 5-20=0/254, 6-19=-303/8, 2-23=-3902/0, 2-22=0/3006, 3-22=-227/304, 5-22=-3382/0, 12-15=-10252/0, 12-16=0/3289, 11-16=-1876/0, 9-16=-123/1427, 9-18=-1315/92, 7-18=-1379/0, 6-18=0/2668

NOTES
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) All plates are MT20 plates unless otherwise indicated.
4) Attach ribbon block to truss with 3-10d nails applied to flat face.
5) The Fabrication Tolerance at joint 21 = 11%
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3198 lb down at 17-9-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-14=-100
Concentrated Loads (lb)
Vert: 26=-3134

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG18	Floor Girder	2	1	Job Reference (optional)

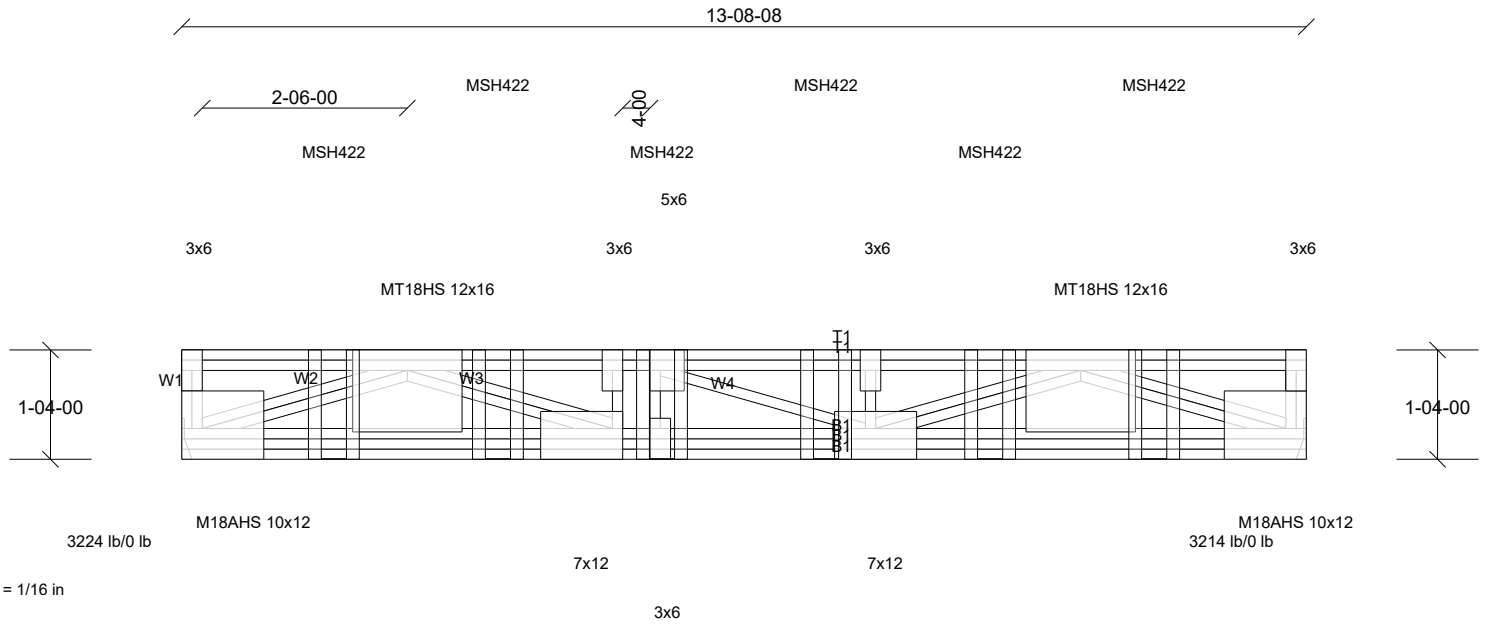


Plate Offsets (X, Y): [4:3-00,Edge], [8:Edge,4-08], [9:6-00,Edge], [10:4-08,Edge], [11:1-08,Edge], [12:Edge,4-08]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.99	Vert(LL)	-0.24	9-10	>667	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.34	9-10	>482	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.04	8	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 144 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat) *Except* W3:2x4 SP No.1 (flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 8= Mechanical, (min. 1-08), 12= Mechanical, (min. 1-08)
Max Grav 8=3214 (LC 1), 12=3224 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-257/0, 7-8=-271/0, 2-14=-11008/0, 3-14=-11008/0, 3-4=-11008/0, 4-15=-10828/0, 5-15=-10828/0, 5-16=-10682/0, 6-16=-10682/0
BOT CHORD 11-12=0/7486, 10-11=0/11008, 9-10=0/11008, 8-9=0/7377
WEBS 6-9=0/3582, 2-11=0/4299, 5-9=-1397/0, 3-11=-810/0, 4-9=-1146/859, 4-10=-1202/338, 6-8=-7915/0, 2-12=-8032/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 11-10-4 to connect truss(es) F14 (1 ply 2x4 SP) to back face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 4=-876, 13=-876, 14=-876, 15=-876, 16=-876, 17=-876

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW01	Floor Supported Gable	8	1	Job Reference (optional)

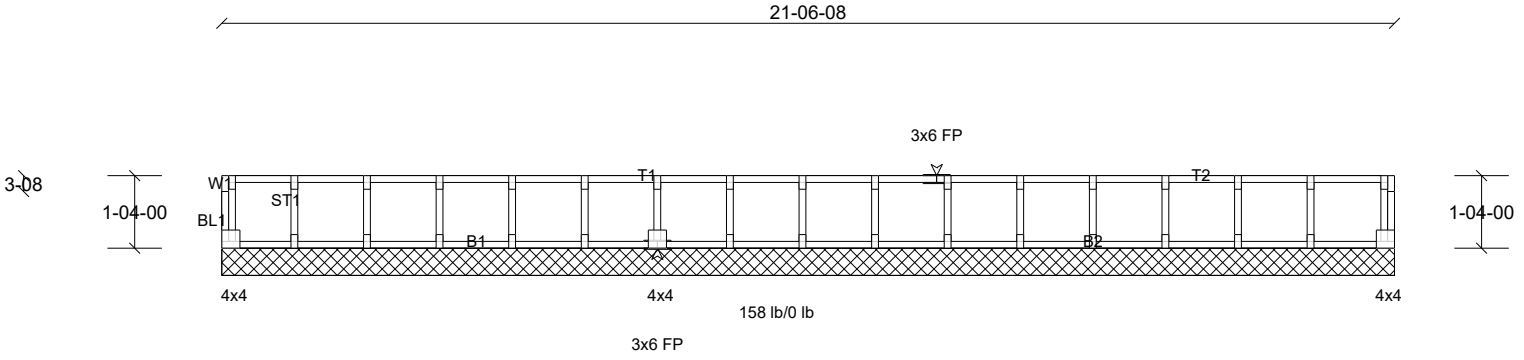


Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	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	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 94 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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 21-06-08.
(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35

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) Attach ribbon block to truss with 3-10d nails applied to flat face.
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 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW02	Floor Supported Gable	8	1	Job Reference (optional)

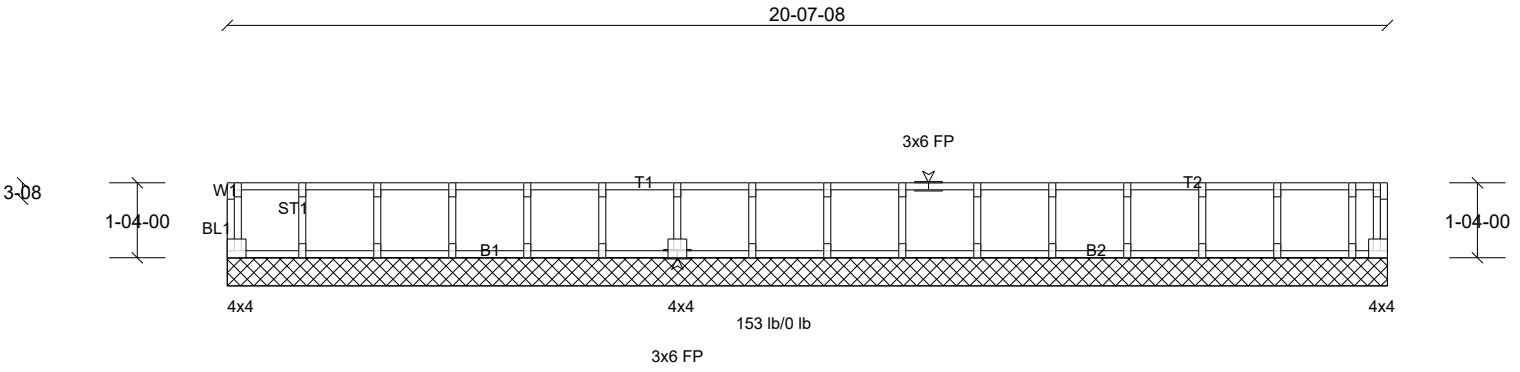


Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 91 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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 20-07-08.
(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35

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) Attach ribbon block to truss with 3-10d nails applied to flat face.
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 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW03	Floor Supported Gable	8	1	Job Reference (optional)

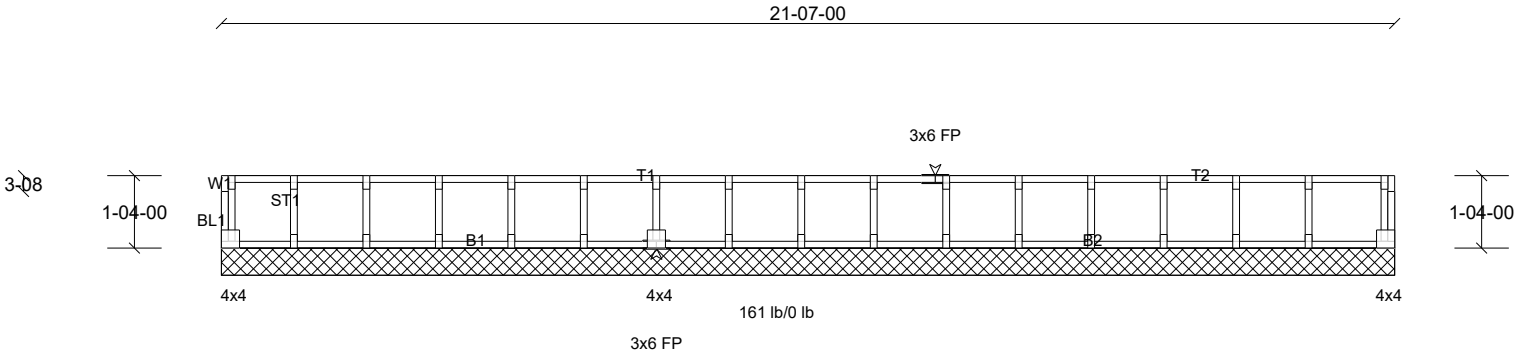


Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	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	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 94 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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 21-07-00.
(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35

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) Attach ribbon block to truss with 3-10d nails applied to flat face.
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 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW04	Floor Supported Gable	6	1	Job Reference (optional)

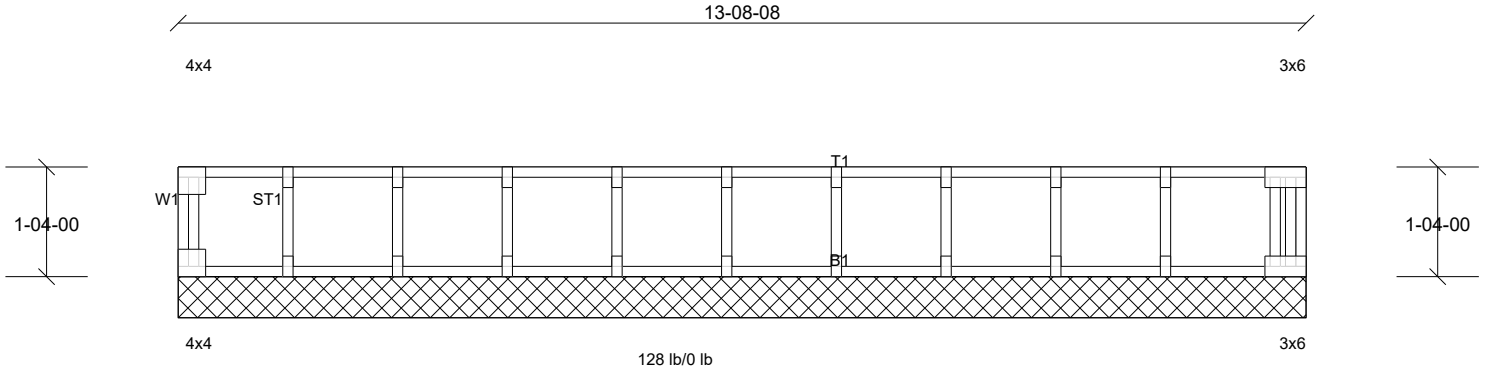


Plate Offsets (X, Y): [1:Edge,1-08], [12:1-08,Edge], [23:Edge,1-08]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 99 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x6 SP No.1(flat)
BOT CHORD 2x6 SP No.1(flat)
WEBS 2x6 SP No.1(flat)
OTHERS 2x6 SP No.1(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 13-08-08.
(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23

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) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R01	Flat	1	1	Job Reference (optional)

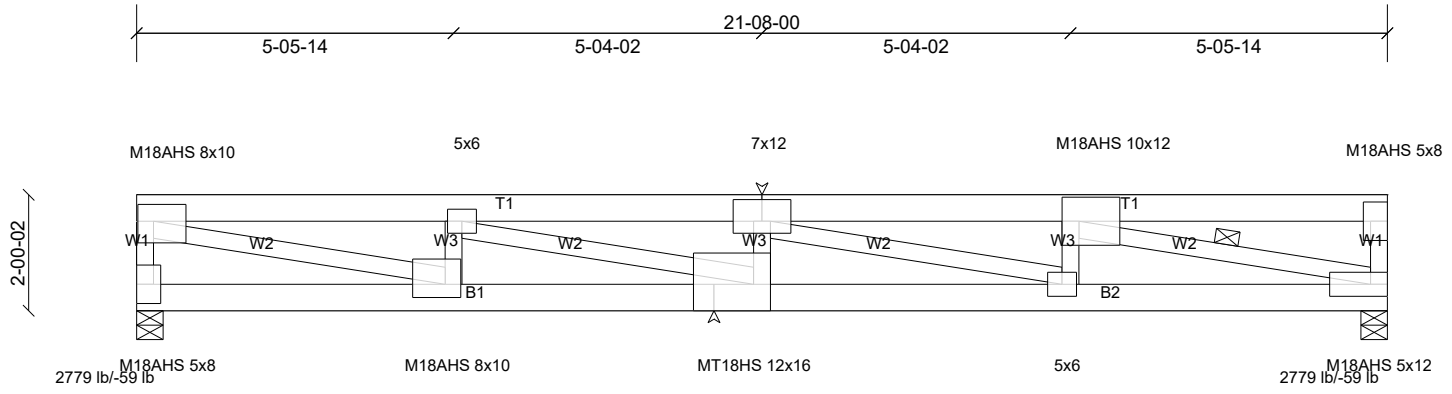


Plate Offsets (X, Y): [1:3-04,3-08], [3:6-00,4-08], [4:3-08,5-00], [5:Edge,3-08], [9:3-08,Edge], [10:3-04,2-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.56	8	>456	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.73	8	>351	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-39 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2627/281, 1-2=-7219/694, 2-12=-9559/908, 3-12=-9559/908, 3-13=-7222/696, 4-13=-7222/696, 4-5=-319/53, 5-6=-623/90
BOT CHORD 10-11=-83/325, 9-10=-724/7219, 8-9=-724/7219, 7-8=-936/9559, 6-7=-706/7222
WEBS 4-6=-7189/687, 2-10=-2002/275, 1-10=-687/7179, 2-8=-240/2437, 3-8=-554/125, 3-7=-2433/240, 4-7=0/677

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R02	Flat	1	1	Job Reference (optional)

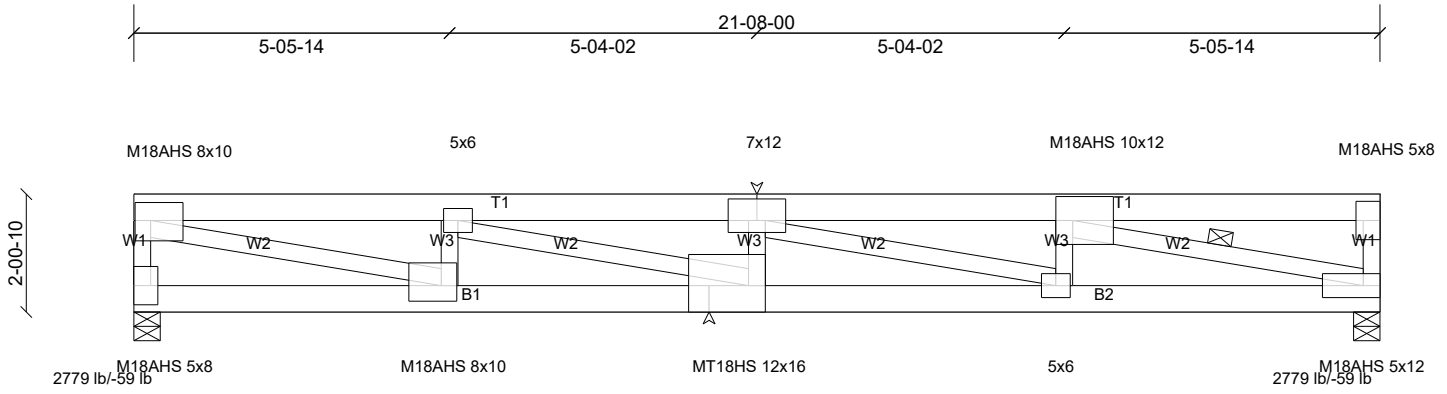


Plate Offsets (X, Y): [1:3-04,3-12], [3:6-00,4-08], [4:3-08,5-00], [5:Edge,3-08], [9:3-08,Edge], [10:3-04,3-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.54	8	>478	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.70	8	>367	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-40 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2631/282, 1-2=-7055/679, 2-12=-9334/886, 3-12=-9334/886, 3-13=-7058/681, 4-13=-7058/681, 4-5=-299/52, 5-6=-618/90
BOT CHORD 10-11=-82/305, 9-10=-709/7055, 8-9=-709/7055, 7-8=-915/9334, 6-7=-691/7058
WEBS 4-6=-7053/674, 2-10=-2006/275, 1-10=-674/7043, 2-8=-234/2378, 3-8=-554/125, 3-7=-2375/234, 4-7=0/681

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R03	Flat	1	1	Job Reference (optional)

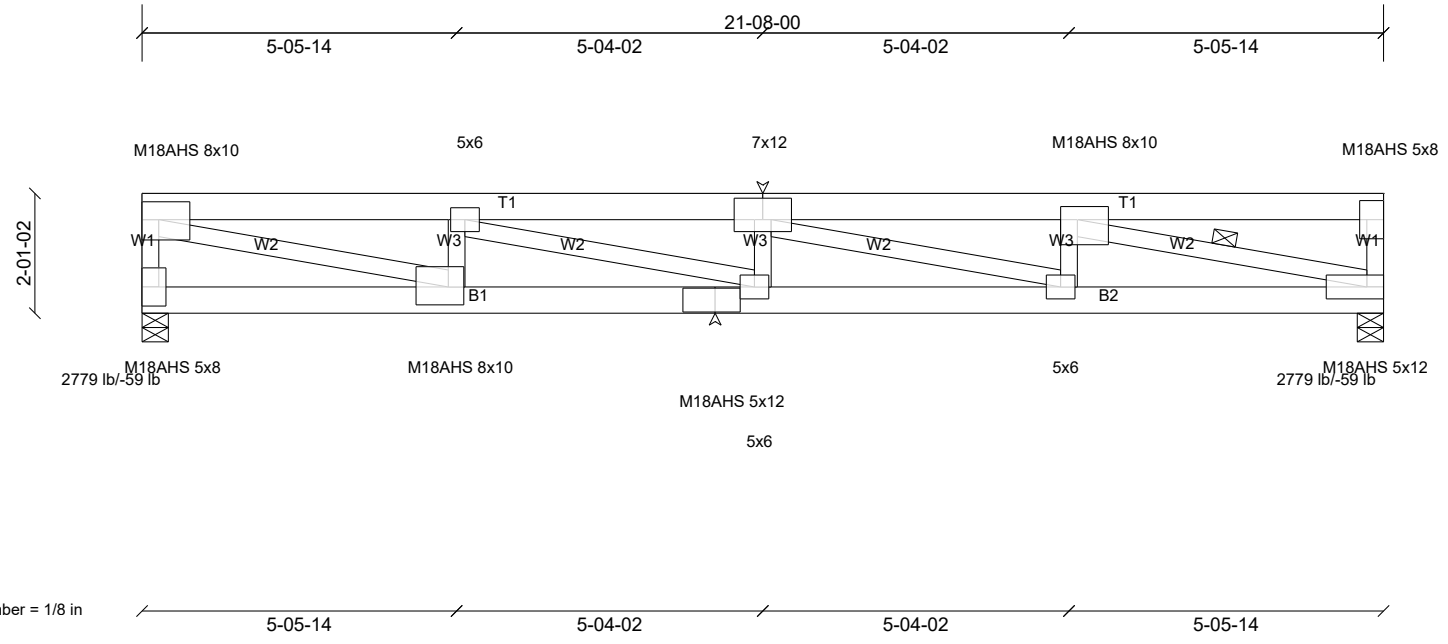


Plate Offsets (X, Y): [1:Edge,3-12], [3:6-00,4-08], [4:3-08,2-12], [5:Edge,3-08], [9:5-04,2-08], [10:3-04,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.51	8	>501	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.67	8	>385	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-41 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2636/282, 1-2=-6893/664, 2-12=-9112/866, 3-12=-9112/866, 3-13=-6896/666, 4-13=-6896/666, 4-5=-280/50, 5-6=-614/89
BOT CHORD 10-11=-82/286, 9-10=-695/6893, 8-9=-695/6893, 7-8=-895/9112, 6-7=-676/6896
WEBS 4-6=-6918/662, 2-10=-2010/276, 1-10=-662/6909, 2-8=-229/2320, 3-8=-554/125, 3-7=-2317/229, 4-7=0/686

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R04	Flat	1	1	Job Reference (optional)

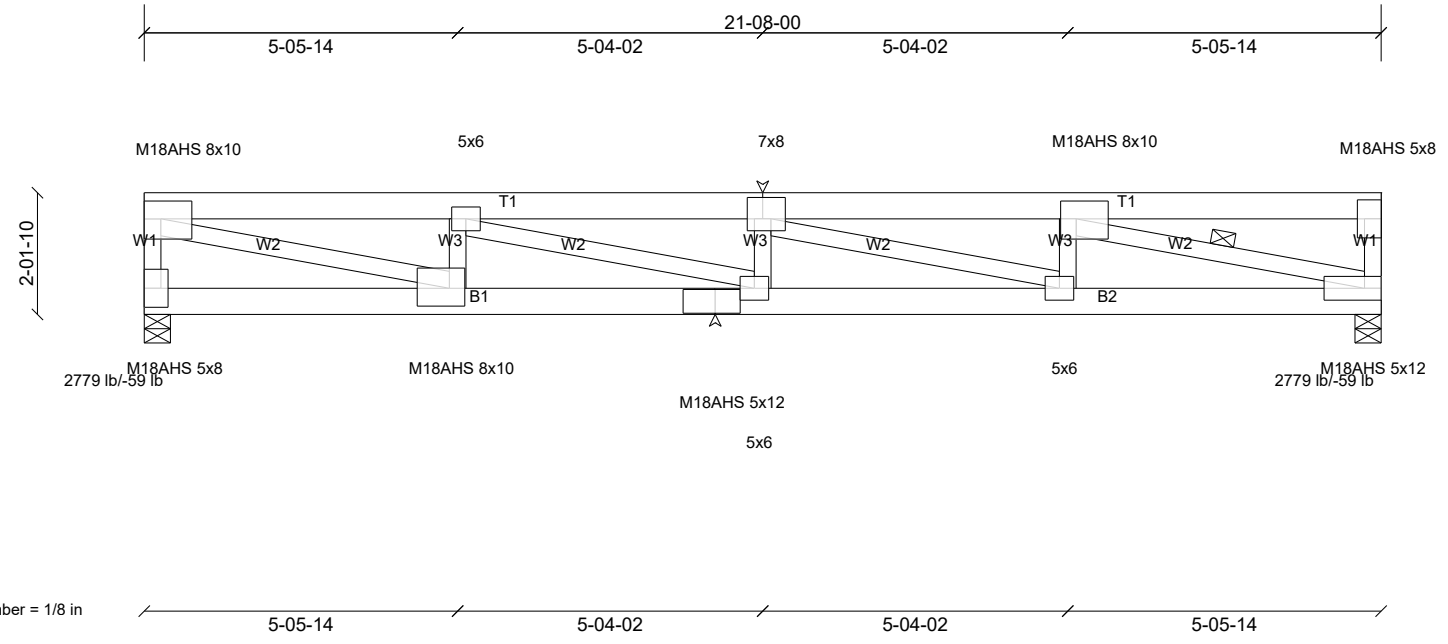


Plate Offsets (X, Y): [1:Edge,3-12], [3:3-04,4-08], [4:3-04,3-12], [5:Edge,3-08], [9:5-04,2-08], [10:3-04,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.49	8	>525	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.64	8	>403	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-43 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2640/283, 1-2=-6738/650, 2-12=-8900/846, 3-12=-8900/846, 3-13=-6741/651, 4-13=-6741/651, 4-5=-263/49, 5-6=-610/89
BOT CHORD 10-11=-82/269, 9-10=-682/6738, 8-9=-682/6738, 7-8=-876/8900, 6-7=-662/6741
WEBS 4-6=-6788/650, 2-10=-2014/276, 1-10=-650/6779, 2-8=-224/2266, 3-8=-554/125, 3-7=-2263/224, 4-7=0/689

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R05	Flat	1	1	Job Reference (optional)

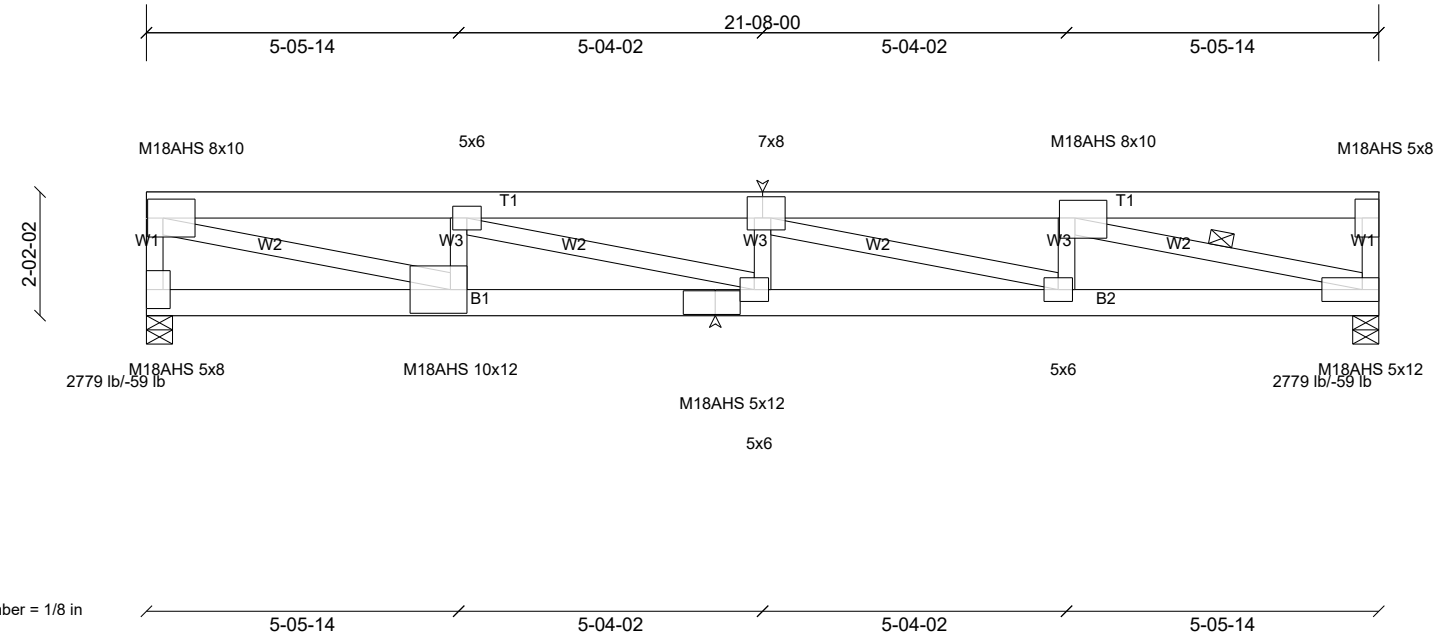


Plate Offsets (X, Y): [1:3-04,4-00], [3:3-04,4-08], [4:3-04,3-12], [5:Edge,3-08], [9:5-04,2-08], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.48	8-10	>539	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.62	8	>415	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-44 (LC 11)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2655/284, 1-2=-6605/638, 2-12=-8713/827, 3-12=-8713/827, 3-13=-6589/637, 4-13=-6589/637, 5-6=-606/89
BOT CHORD 9-10=-671/6605, 8-9=-671/6605, 7-8=-859/8713, 6-7=-649/6589
WEBS 4-6=-6660/638, 2-10=-2010/276, 1-10=-642/6678, 2-8=-219/2214, 3-8=-552/126, 3-7=-2231/221, 4-7=0/693

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R06	Flat	1	1	Job Reference (optional)

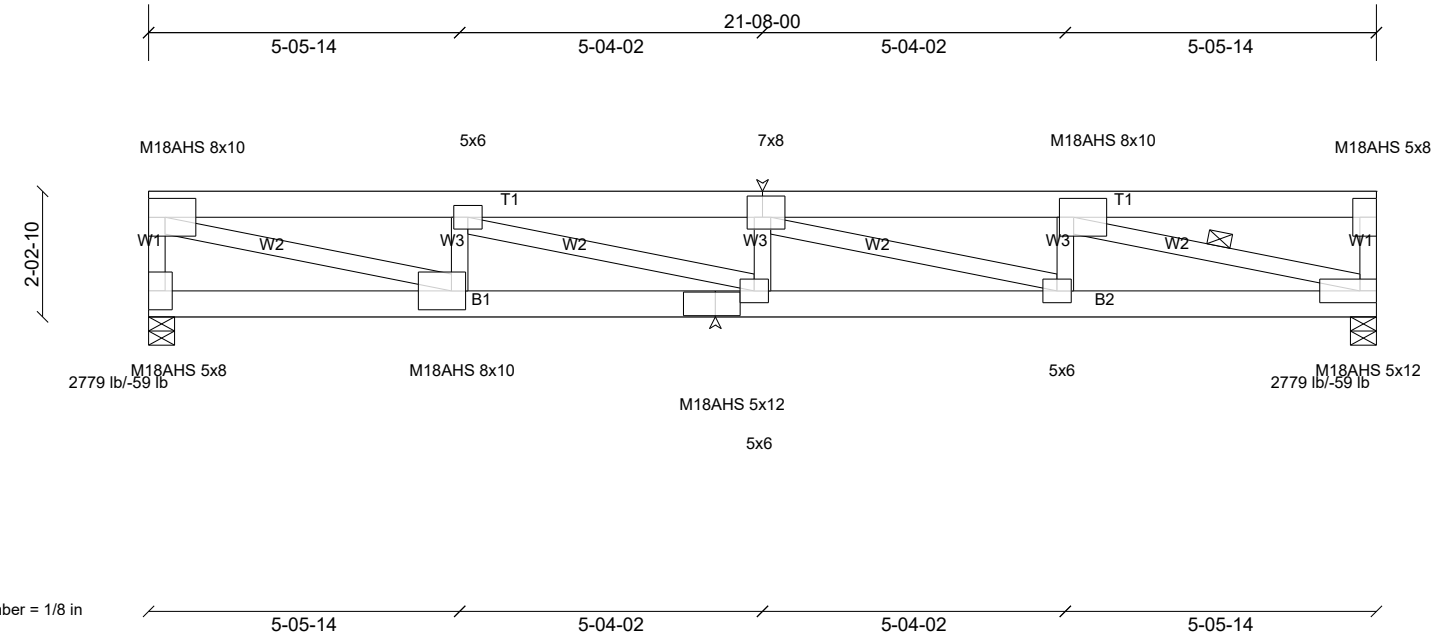


Plate Offsets (X, Y): [3:3-04,4-08], [4:3-00,4-00], [5:Edge,3-08], [9:5-04,2-08], [10:3-00,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.46	8	>564	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.59	8	>433	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-45 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2658/285, 1-2=-6462/625, 2-12=-8518/809, 3-12=-8518/809, 3-13=-6447/624, 4-13=-6447/624, 5-6=-603/88
BOT CHORD 9-10=-658/6462, 8-9=-658/6462, 7-8=-842/8518, 6-7=-636/6447
WEBS 4-6=-6540/627, 2-10=-2013/277, 1-10=-631/6557, 2-8=-215/2165, 3-8=-552/126, 3-7=-2181/217, 4-7=0/696

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R07	Flat	1	1	Job Reference (optional)

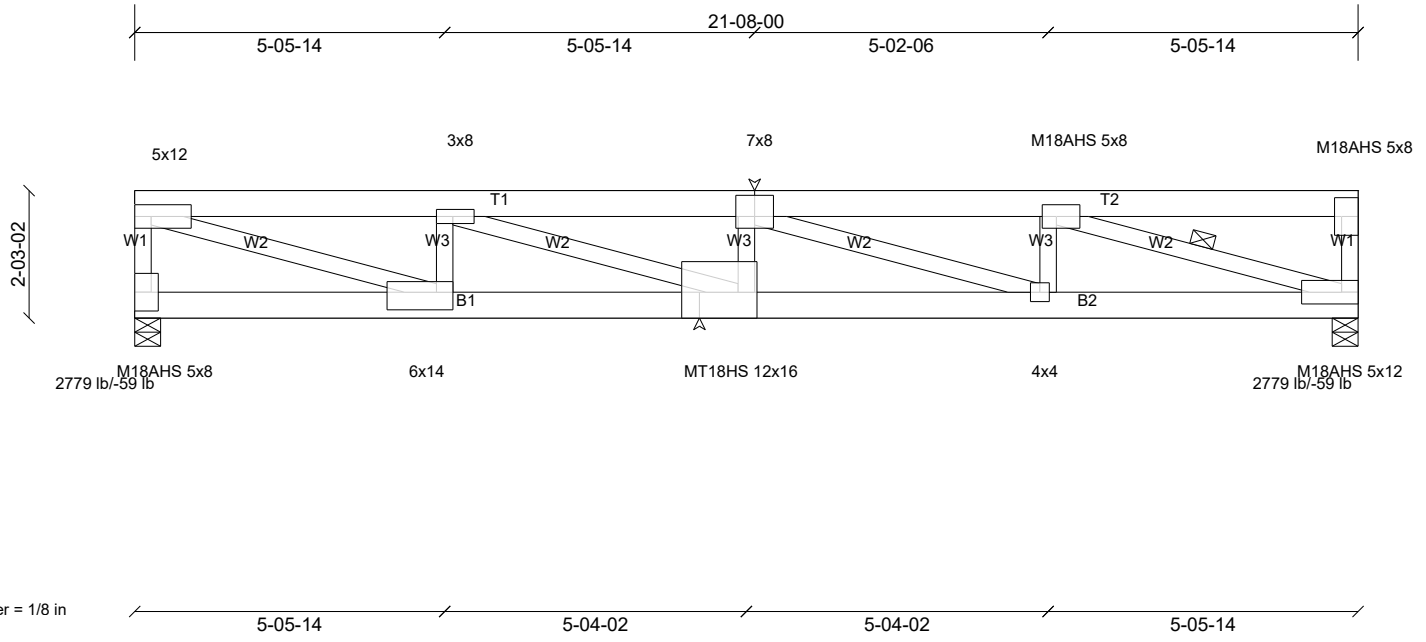


Plate Offsets (X, Y): [2:3-08,1-08], [3:4-00,4-08], [4:3-00,2-08], [5:Edge,3-08], [9:4-00,Edge], [10:3-08,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.44	8-10	>588	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.57	8	>453	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-46 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2661/285, 1-2=-6334/614, 2-12=-8287/785, 3-12=-8287/785, 3-13=-6294/610, 4-13=-6294/610, 5-6=-605/89
BOT CHORD 9-10=-648/6334, 8-9=-648/6334, 7-8=-827/8330, 6-7=-621/6294
WEBS 4-6=-6406/614, 2-10=-2022/278, 1-10=-622/6452, 2-8=-202/2061, 3-8=-533/123, 3-7=-2154/218, 4-7=0/721

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R08	Flat	1	1	Job Reference (optional)

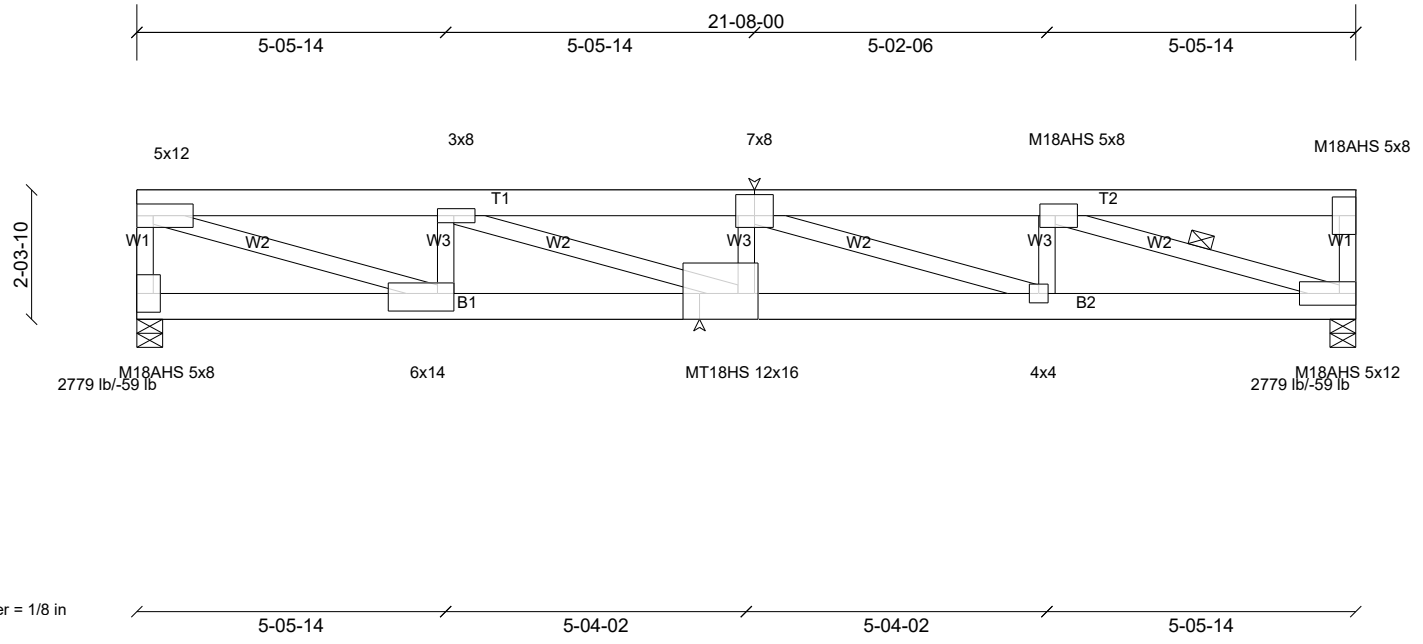


Plate Offsets (X, Y): [2:3-08,1-08], [3:4-00,4-08], [4:3-04,2-08], [5:Edge,3-08], [9:4-04,Edge], [10:3-08,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.42	8	>614	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.54	8-10	>472	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 143 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-6 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-47 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

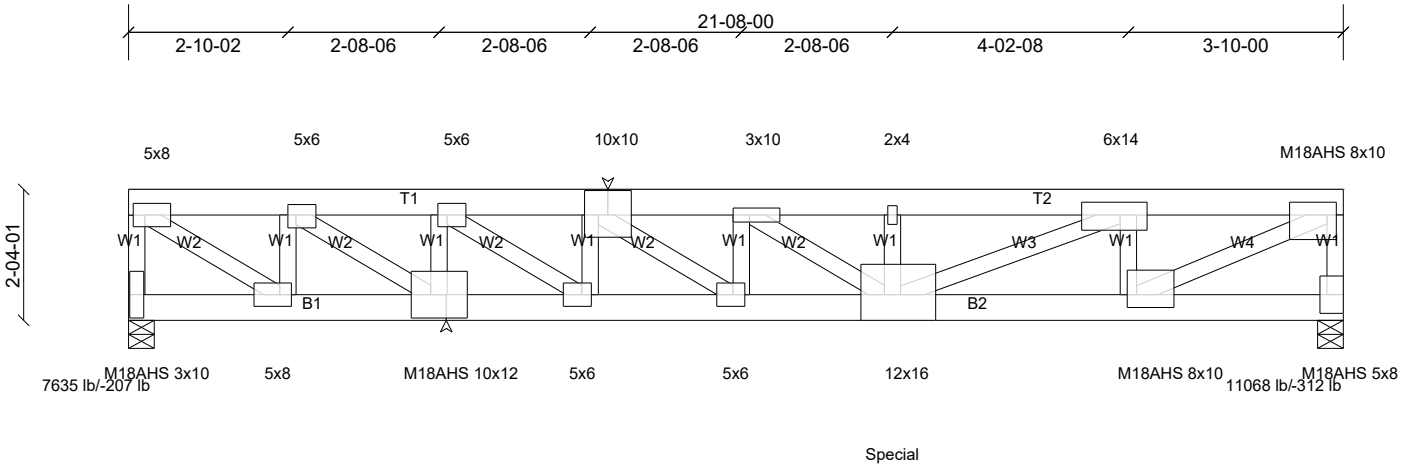
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2664/286, 1-2=-6202/602, 2-12=-8109/768, 3-12=-8109/768, 3-13=-6164/598, 4-13=-6164/598, 5-6=-601/88
BOT CHORD 9-10=-636/6202, 8-9=-636/6202, 7-8=-811/8151, 6-7=-610/6164
WEBS 4-6=-6296/604, 2-10=-2025/279, 1-10=-611/6340, 2-8=-198/2017, 3-8=-533/123, 3-7=-2108/214, 4-7=0/724

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R09	Flat Girder	1	3	Job Reference (optional)



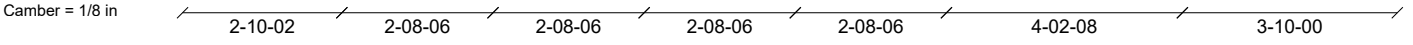


Plate Offsets (X, Y): [1:2-08,2-08], [2:1-12,2-04], [3:2-00,2-08], [4:5-00,5-04], [5:3-08,1-08], [7:5-12,2-12], [8:2-00,2-12], [9:Edge,3-08], [10:2-00,2-12], [11:5-00,Edge], [12:2-08,2-08], [13:2-00,2-08], [14:4-08,5-00], [15:2-08,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.49	11-12	>526	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.63	11-12	>408	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.08	9	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 452 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T2:2x6 SP 2400F 2.0E
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W4,W3:2x4 SP 2400F 2.0E, W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 9=5-08, (min. 3-01), 16=5-08, (min. 3-00)
Max Horiz 16=-48 (LC 9)
Max Uplift 9=-312 (LC 13), 16=-207 (LC 13)
Max Grav 9=11068 (LC 2), 16=7635 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-7443/417, 1-2=-10289/556, 2-3=-20009/1013, 3-4=-27621/1315, 4-17=-35340/1582, 5-17=-35340/1582, 5-18=-40291/1705, 6-18=-40291/1705, 6-7=-40291/1705, 7-8=-20815/949, 8-9=-10932/529
BOT CHORD 14-15=-592/10289, 13-14=-1025/19579, 12-13=-1396/28623, 11-12=-1616/35340, 10-11=-954/20815, 9-10=-34/316
WEBS 8-10=-1033/23007, 6-11=-108/311, 7-11=-849/21330, 7-10=-10008/516, 5-11=-224/6034, 2-15=-7103/416, 1-15=-646/12283, 2-14=-561/11674, 3-14=-6260/336, 3-13=-410/9803, 4-13=-6033/287, 4-12=-293/8560, 5-12=-4426/181

NOTES
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 6-11 2x4 - 2 rows staggered at 4-00 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 16 and 312 lb uplift at joint 9.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 13145 lb down and 401 lb up at 13-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-8=-64, 9-16=-20
Concentrated Loads (lb)
Vert: 11=-4150

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R10	Flat	1	1	Job Reference (optional)

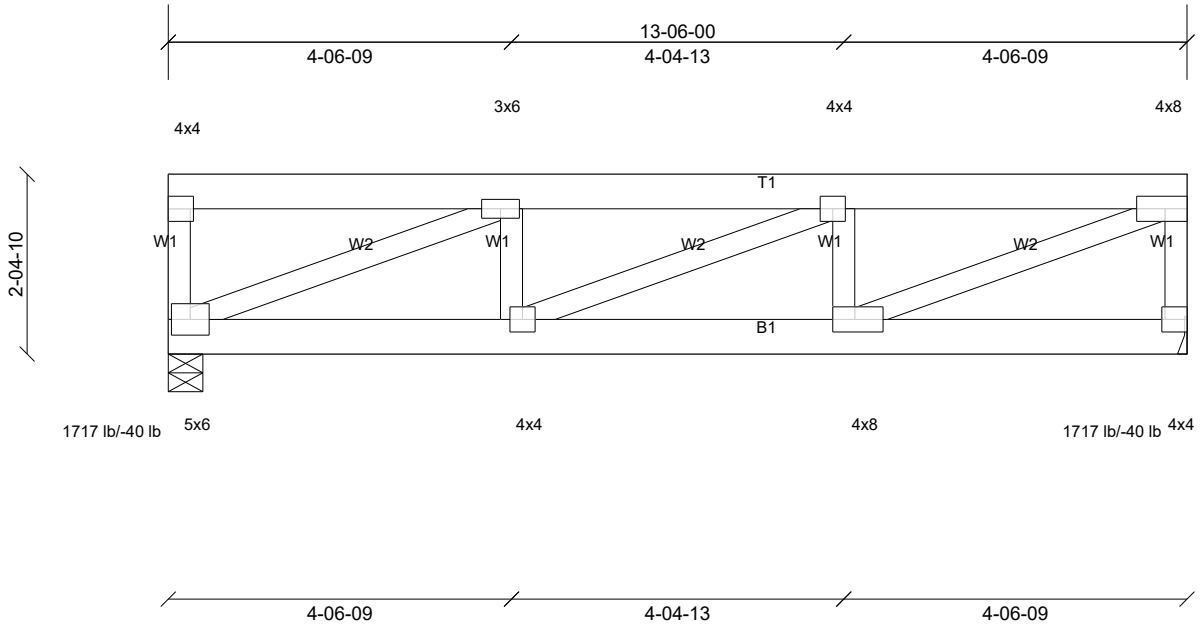


Plate Offsets (X, Y): [5:Edge,3-08], [6:3-08,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.12	6-7	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 91 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 5= Mechanical, (min. 1-08), 8=5-08, (min. 2-00)
Max Horiz 8=49 (LC 10)
Max Uplift 5=-40 (LC 10), 8=-40 (LC 9)
Max Grav 5=1717 (LC 2), 8=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-480/92, 2-3=-2737/376, 3-10=-2733/376, 4-10=-2733/376, 4-5=-1635/250
BOT CHORD 7-8=-412/2737, 6-7=-397/2733
WEBS 4-6=-398/2874, 2-8=-2883/401, 3-6=-1100/224

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 8 and 40 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R11	Flat	1	1	Job Reference (optional)

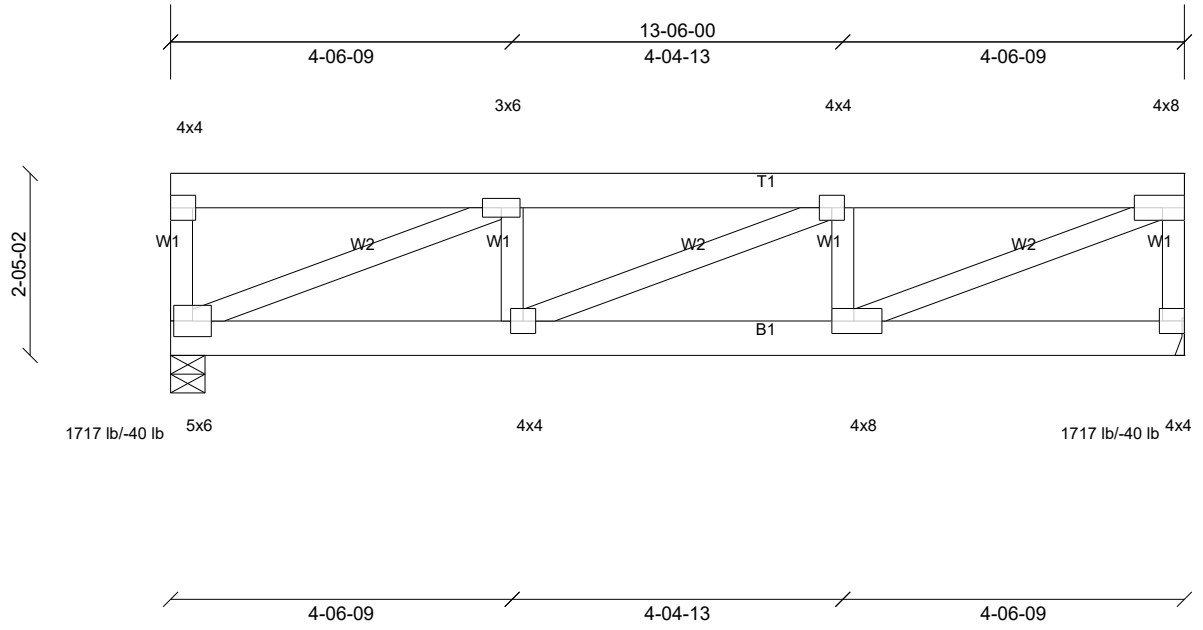


Plate Offsets (X, Y): [5:Edge,3-08], [6:3-08,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.12	6-7	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 92 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

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

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

REACTIONS (size) 5= Mechanical, (min. 1-08), 8=5-08, (min. 2-00)
Max Horiz 8=50 (LC 12)
Max Uplift 5=-40 (LC 10), 8=-40 (LC 9)
Max Grav 5=1717 (LC 2), 8=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-478/92, 2-3=-2684/369, 3-10=-2680/370, 4-10=-2680/370, 4-5=-1637/250
BOT CHORD 7-8=-406/2684, 6-7=-390/2680
WEBS 4-6=-393/2831, 2-8=-2840/395, 3-6=-1102/225

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 8 and 40 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R12	Flat	1	1	Job Reference (optional)

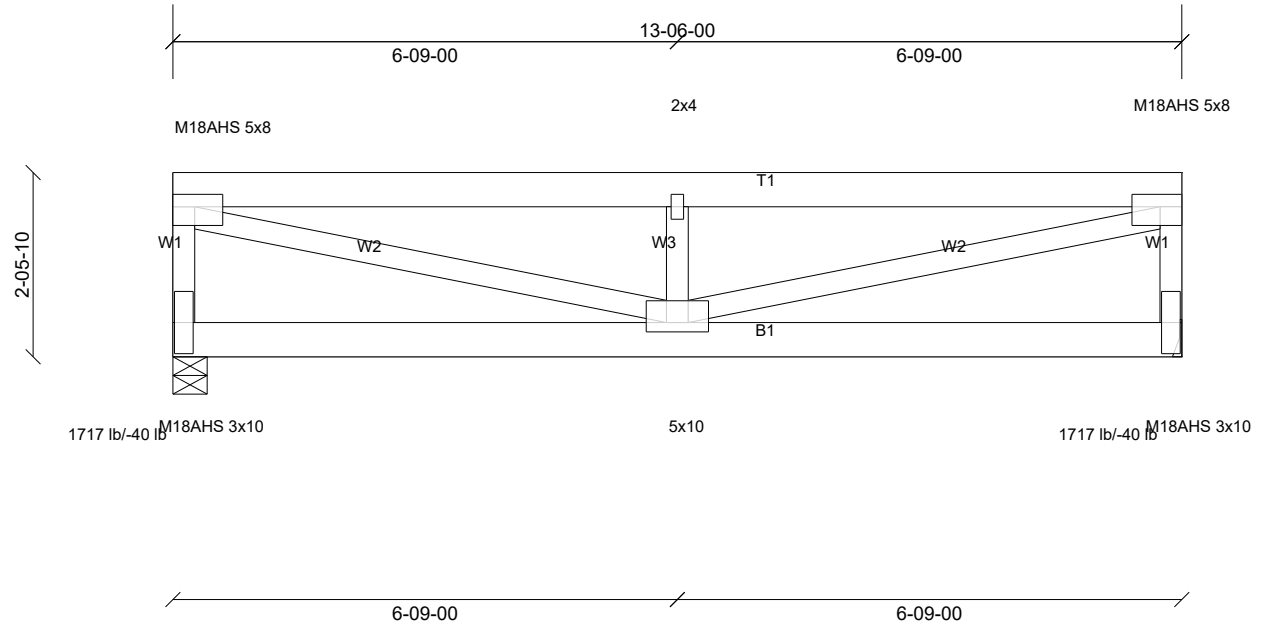


Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.17	5	>911	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-51 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1602/258, 1-7=-3196/430, 2-7=-3196/430, 2-8=-3196/430, 3-8=-3196/430, 3-4=-1602/258
WEBS 1-5=-439/3127, 2-5=-1784/353, 3-5=-440/3127

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R13	Flat	1	1	Job Reference (optional)

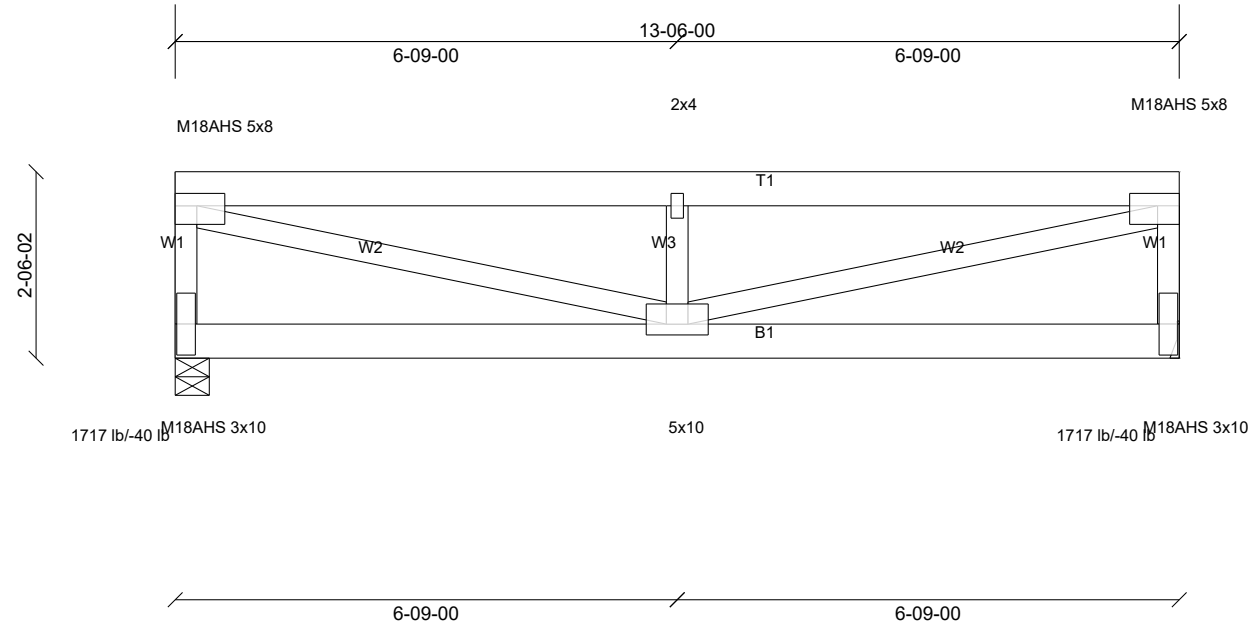


Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.17	5	>943	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-52 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1604/259, 1-7=-3141/423, 2-7=-3141/423, 2-8=-3141/423, 3-8=-3141/423, 3-4=-1604/259
WEBS 1-5=-434/3083, 2-5=-1789/354, 3-5=-435/3083

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R14	Flat	1	1	Job Reference (optional)

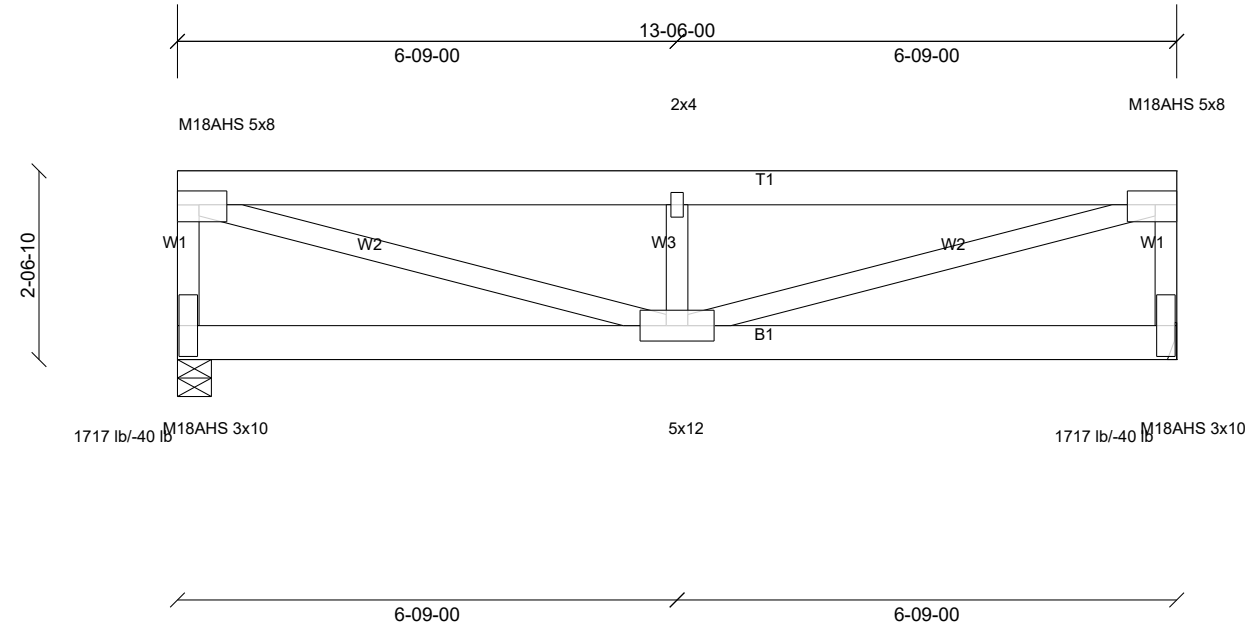


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.16	5	>972	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-53 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1606/259, 1-7=-3087/415, 2-7=-3087/415, 2-8=-3087/415, 3-8=-3087/415, 3-4=-1606/259
WEBS 1-5=-429/3041, 2-5=-1794/355, 3-5=-430/3041

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R15	Flat	1	1	Job Reference (optional)

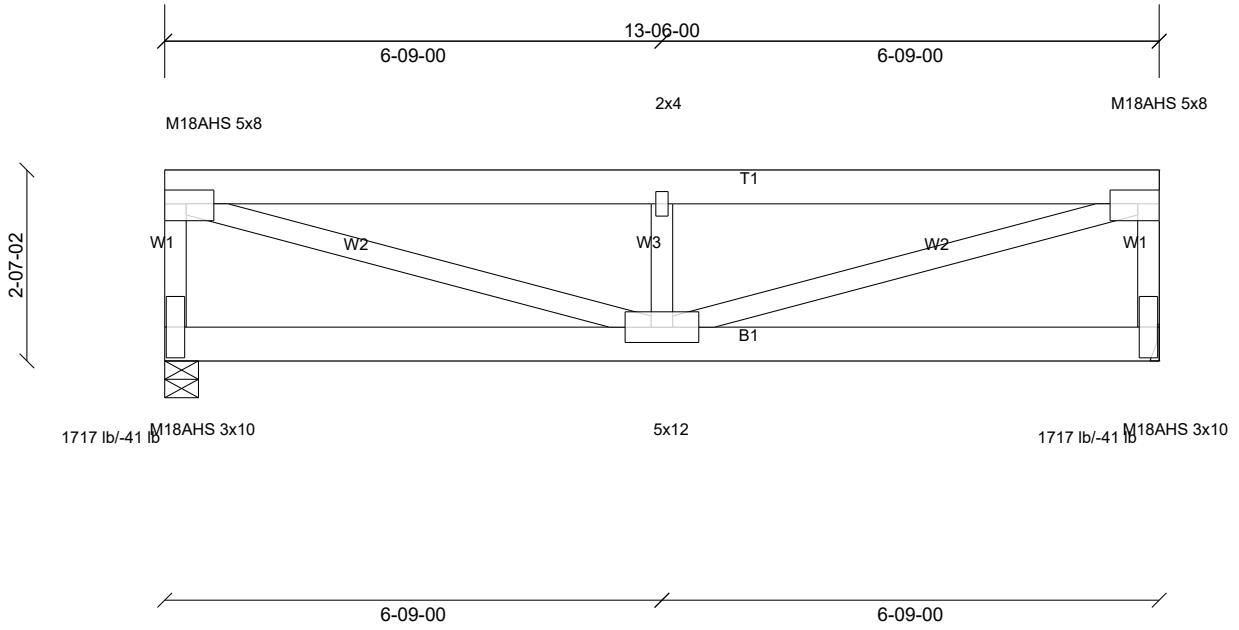


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.16	5	>999	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-54 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1608/260, 1-7=-3035/409, 2-7=-3035/409, 2-8=-3035/409, 3-8=-3035/409, 3-4=-1608/260
WEBS 1-5=-424/2999, 2-5=-1798/355, 3-5=-425/2999

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R16	Flat	1	1	Job Reference (optional)

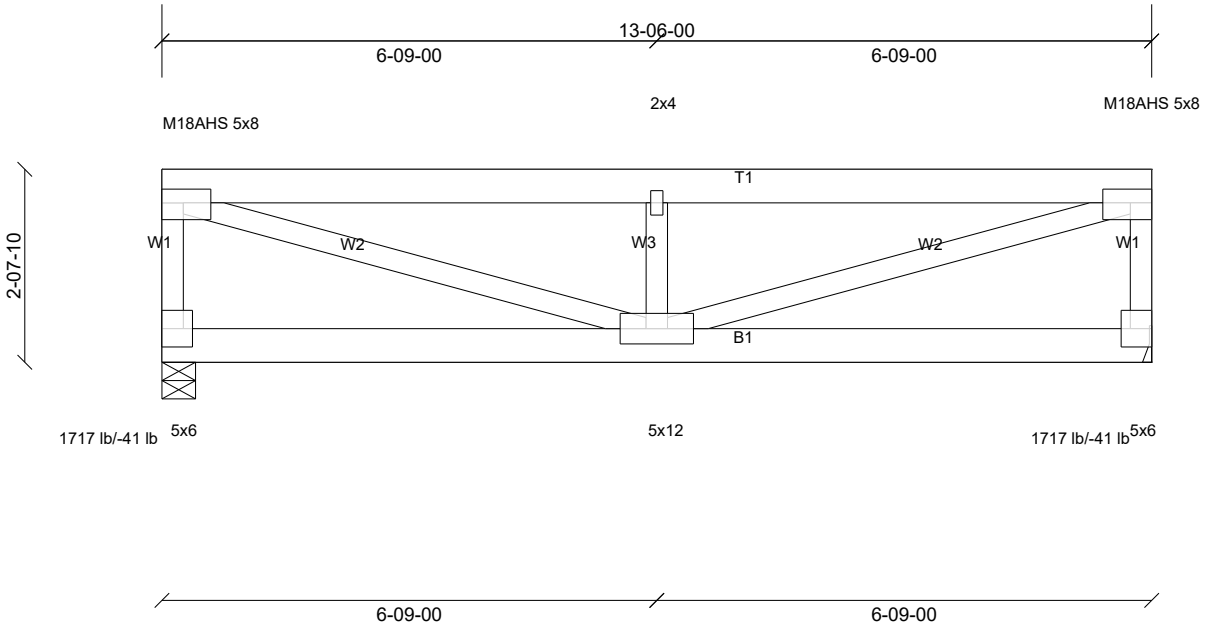


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.15	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-55 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1610/260, 1-7=-2984/402, 2-7=-2984/402, 2-8=-2984/402, 3-8=-2984/402, 3-4=-1610/260
WEBS 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R17	Flat	1	1	Job Reference (optional)

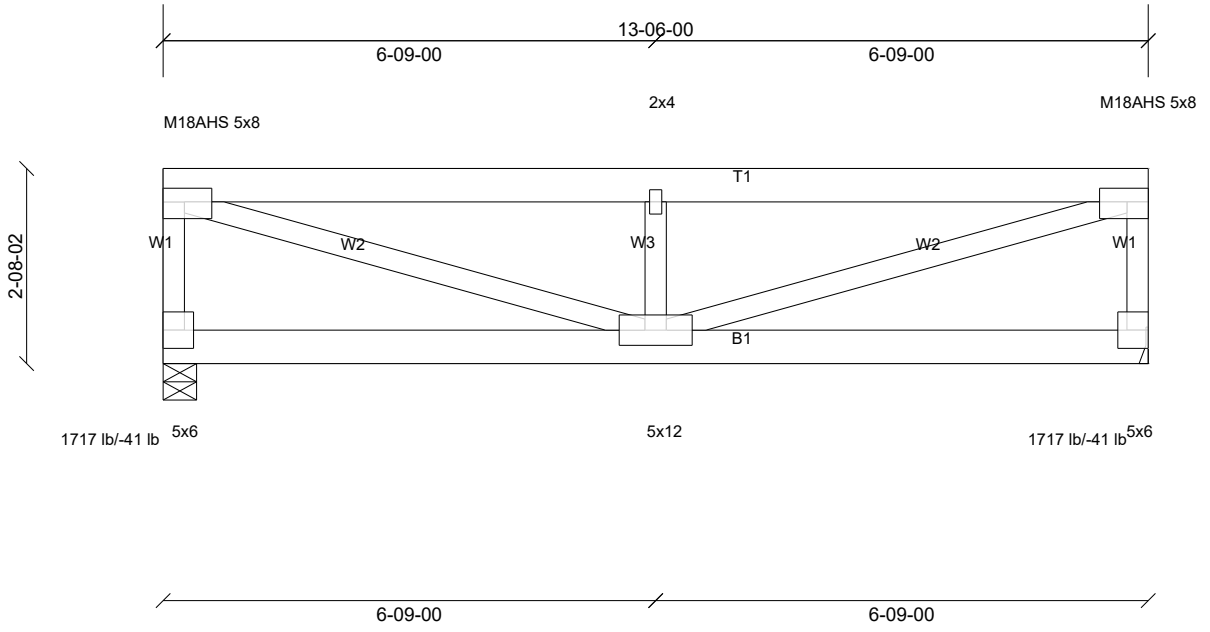


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.15	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-56 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1611/261, 1-7=-2935/396, 2-7=-2935/396, 2-8=-2935/396, 3-8=-2935/396, 3-4=-1611/261
WEBS 1-5=-414/2920, 2-5=-1806/356, 3-5=-416/2920

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R18	Flat	1	1	Job Reference (optional)

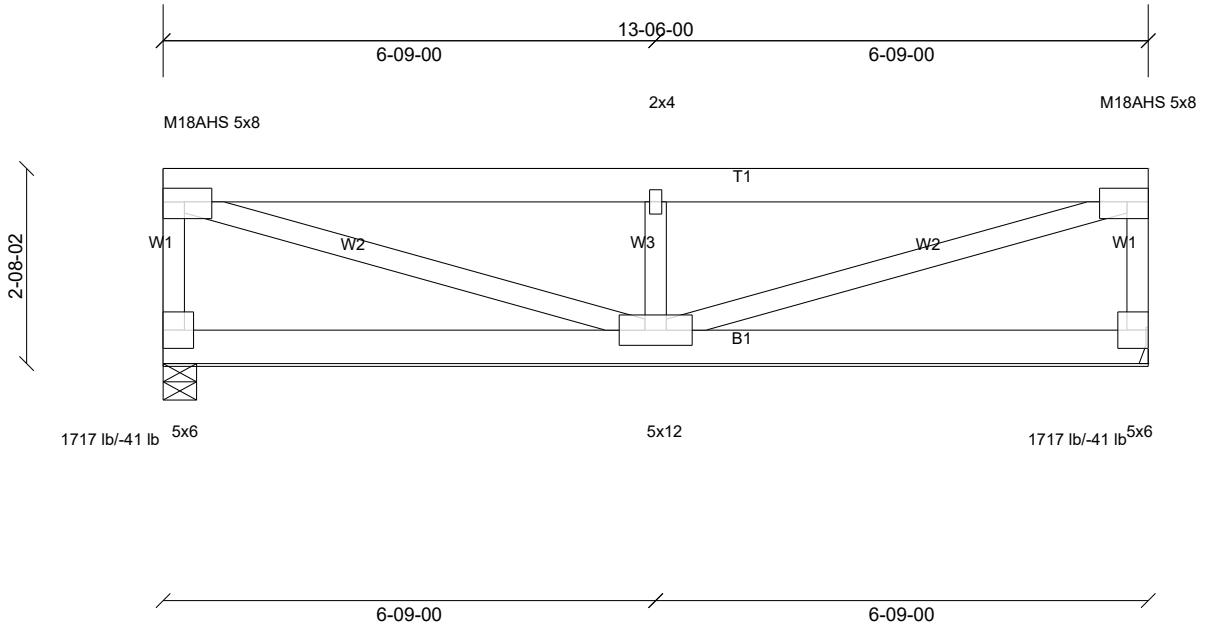


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.15	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-56 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

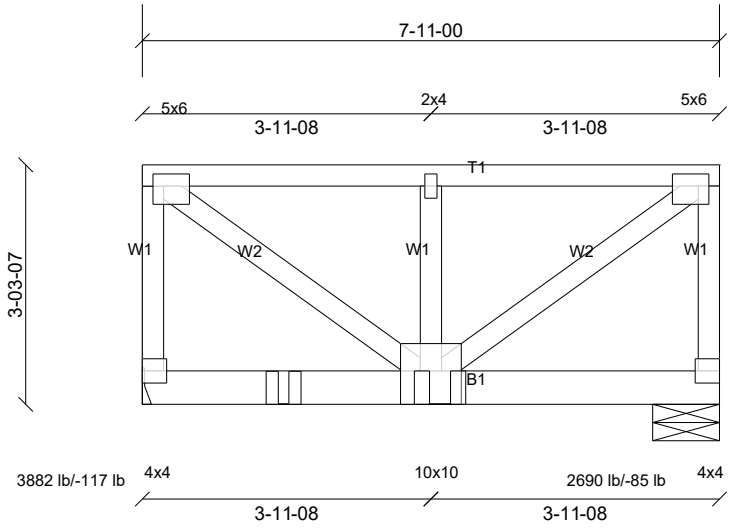
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1611/261, 1-7=-2935/396, 2-7=-2935/396, 2-8=-2935/396, 3-8=-2935/396, 3-4=-1611/261
WEBS 1-5=-414/2920, 2-5=-1806/356, 3-5=-416/2920

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R19	Flat Girder	2	1	Job Reference (optional)



HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,2-00], [3:1-12,2-00], [4:Edge,3-08], [5:5-00,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.10	5-6	>871	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.14	5-6	>673	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 54 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-1-8 oc bracing.

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

REACTIONS (size) 4=11-00, (min. 2-04), 6= Mechanical, (min. 1-08)
Max Horiz 6=-74 (LC 9)
Max Uplift 4=-85 (LC 10), 6=-117 (LC 9)
Max Grav 4=2690 (LC 2), 6=3882 (LC 2)

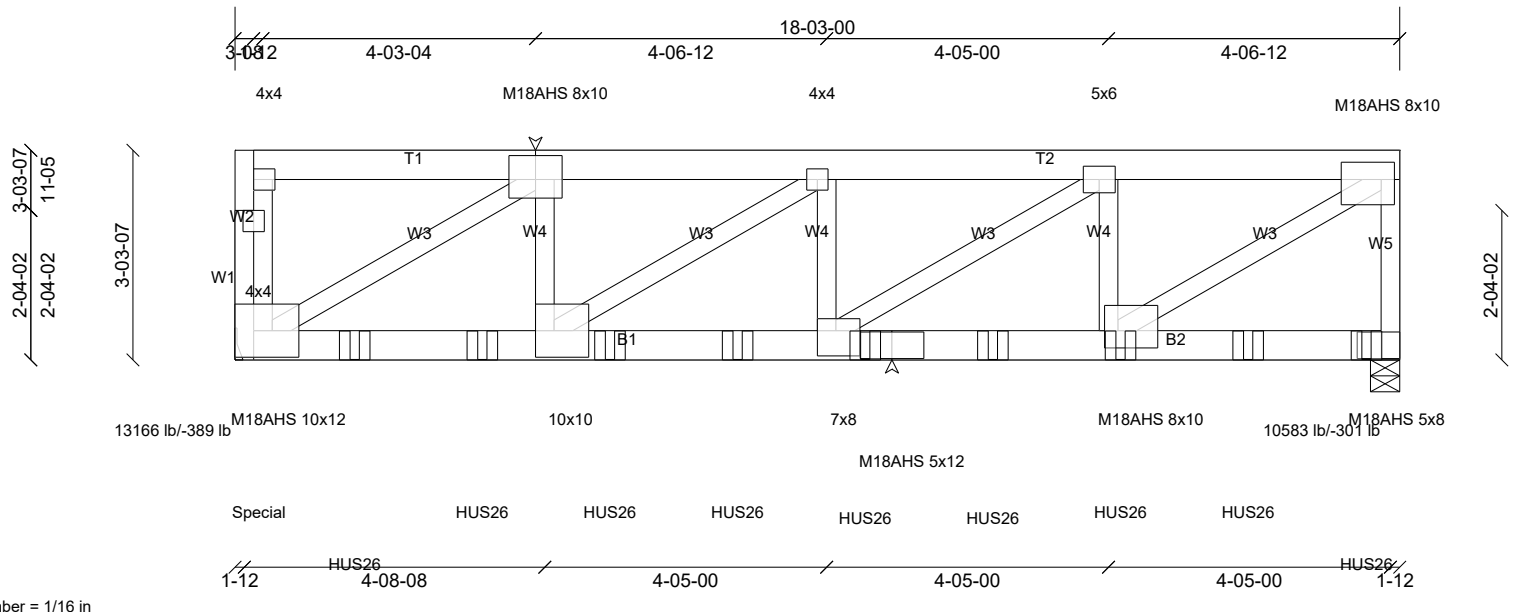
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-2761/266, 1-2=-3141/211, 2-3=-3141/211, 3-4=-2761/266
WEBS 1-5=-300/3952, 2-5=-1105/280, 3-5=-300/3952

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 6 and 85 lb uplift at joint 4.
7) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 1-11-4 from the left end to connect truss(es) R21 (1 ply 2x6 SP) to back face of bottom chord.
8) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 4-1-0 from the left end to connect truss(es) R22 (2 ply 2x6 SP) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-64, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-744, 7=-712

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R20	Flat Girder	1	2	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [2:5-00,4-08], [5:2-08,3-04], [6:4-08,2-08], [7:2-08,3-04], [9:3-08,4-12], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.23	9-10	>937	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.30	9-10	>726	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 267 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.1 *Except* W1,W2:2x4 SP No.3, W3:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 6=5-08, (min. 2-06), 11= Mechanical, (min. 1-08)
Max Horiz 11=-72 (LC 11)
Max Uplift 6=-301 (LC 13), 11=-389 (LC 13)
Max Grav 6=10583 (LC 2), 11=13165 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-582/81, 1-12=-532/76, 1-2=-402/62, 2-13=-12738/642, 3-13=-12738/642, 3-14=-16228/803, 4-14=-16228/803, 4-5=-12294/626, 5-6=-8297/466
BOT CHORD 11-15=-687/12409, 15-16=-687/12409, 10-16=-687/12409, 10-17=-855/16228, 17-18=-855/16228, 9-18=-855/16228, 9-19=-645/12294, 8-19=-645/12294, 8-20=-645/12294, 7-20=-645/12294
WEBS 5-7=-721/14346, 2-10=-183/6401, 2-11=-14126/713, 3-10=-4144/229, 3-9=-72/1168, 4-9=-249/4672, 4-7=-3549/327

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 4-7 2x4 - 1 row at 3-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 6 and 389 lb uplift at joint 11.
11) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-8 from the left end to 17-8-12 to connect truss(es) R10 (1 ply 2x6 SP), R11 (1 ply 2x6 SP), R12 (1 ply 2x6 SP), R13 (1 ply 2x6 SP), R14 (1 ply 2x6 SP), R15 (1 ply 2x6 SP), R16 (1 ply 2x6 SP), R17 (1 ply 2x6 SP), R18 (1 ply 2x6 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3870 lb down and 124 lb up at 0-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-64, 6-11=-20
Concentrated Loads (lb)
Vert: 7=-534, 11=-1224, 15=-534, 16=-534, 17=-534, 18=-534, 19=-534, 20=-534, 21=-534, 22=-540

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R21	Flat	1	1	Job Reference (optional)

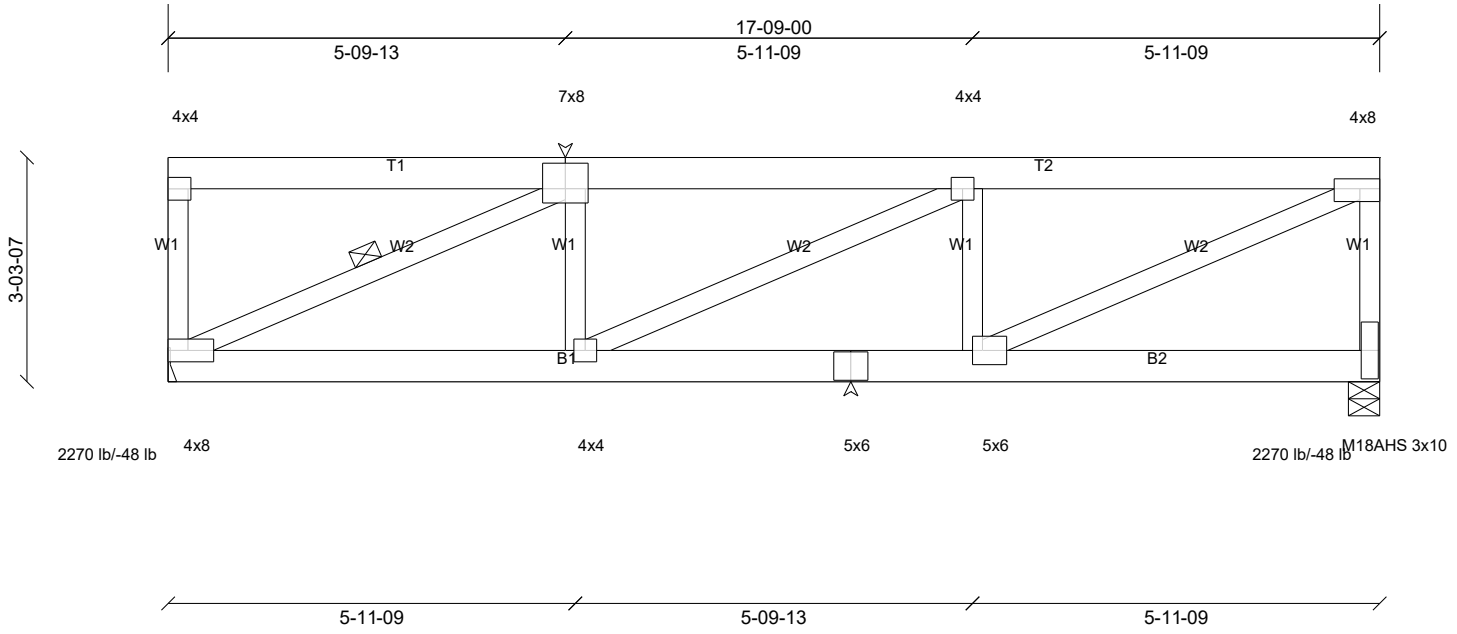


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.14	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.18	6-8	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9

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

REACTIONS (size) 5=5-08, (min. 2-11), 9= Mechanical, (min. 1-08)
Max Horiz 9=72 (LC 12)
Max Uplift 5=-48 (LC 13), 9=-48 (LC 13)
Max Grav 5=2270 (LC 2), 9=2270 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-585/100, 2-3=-3302/382, 3-11=-3341/389, 4-11=-3341/389, 4-5=-2189/286
BOT CHORD 8-9=-439/3296, 7-8=-419/3341, 6-7=-419/3341
WEBS 4-6=-427/3624, 2-9=-3601/427, 3-6=-1491/268

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 9 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R22	Flat Girder	1	2	Job Reference (optional)

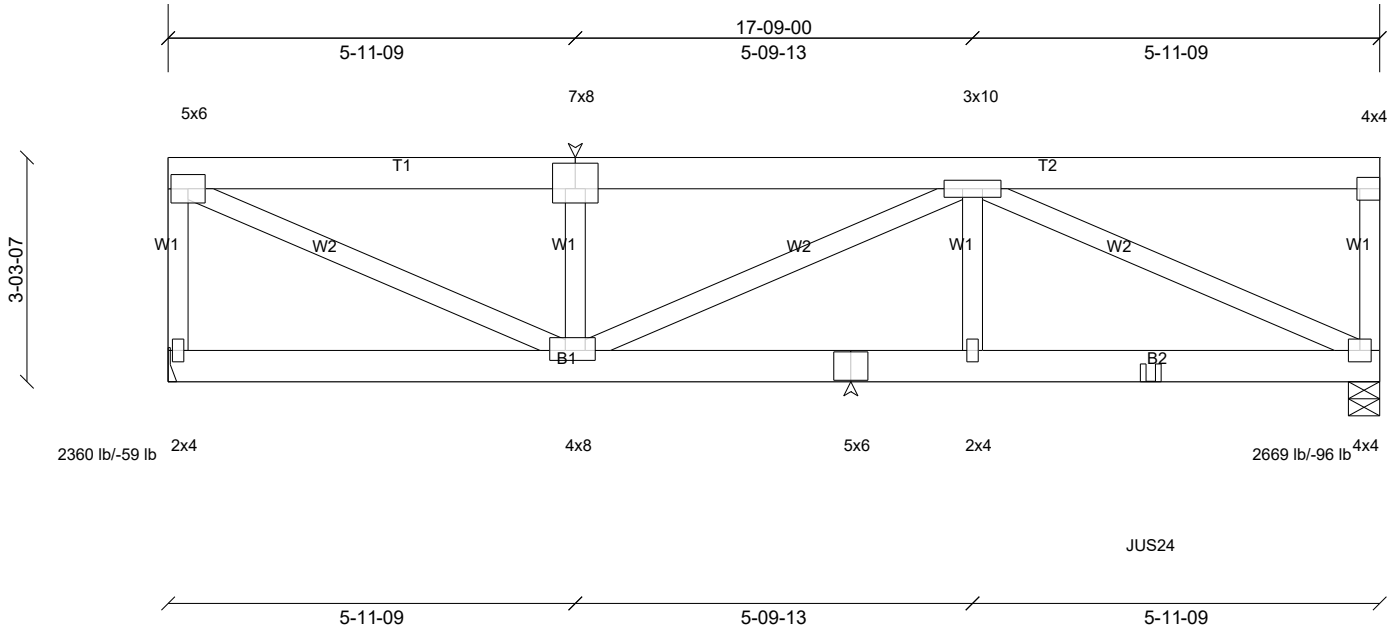


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,3-08], [8:2-12,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.08	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.10	5-6	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 248 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 5=5-08, (min. 1-09), 9= Mechanical, (min. 1-08)
Max Horiz 9=-72 (LC 9)
Max Uplift 5=-96 (LC 13), 9=-59 (LC 13)
Max Grav 5=2669 (LC 2), 9=2360 (LC 2)

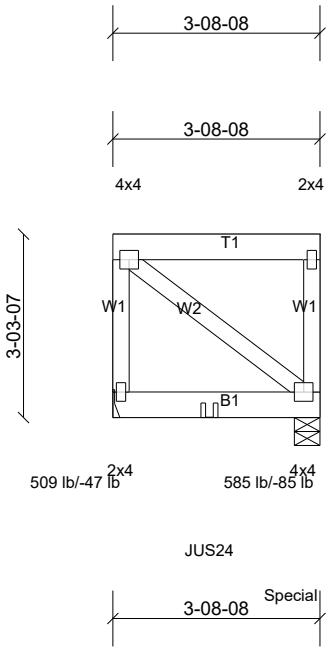
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-2263/294, 1-10=-3485/405, 2-10=-3485/405, 2-3=-3485/405, 4-5=-618/104
BOT CHORD 7-8=-471/3777, 6-7=-471/3777, 6-12=-471/3777, 5-12=-471/3777
WEBS 1-8=-443/3773, 2-8=-1483/256, 3-8=-325/67, 3-6=0/445, 3-5=-4068/479

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 9-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 9 and 96 lb uplift at joint 5.
9) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 14-4-12 from the left end to connect truss(es) R23 (1 ply 2x6 SP) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-64, 5-9=-20
Concentrated Loads (lb)
Vert: 12=-173

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R23	Flat Girder	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	3-4	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 30 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Uplift 3=-85 (LC 9), 4=-47 (LC 9)
Max Grav 3=585 (LC 2), 4=509 (LC 2)

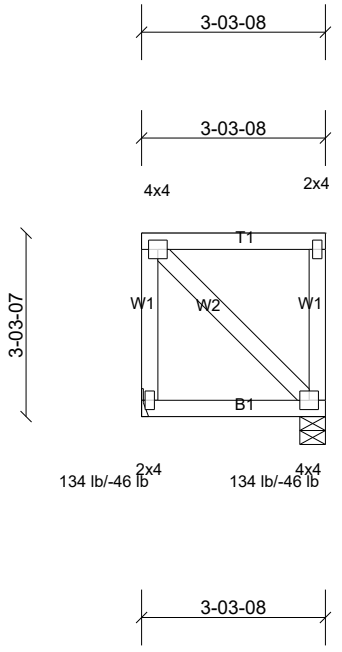
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-4=-410/112, 2-3=-410/112

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4 and 85 lb uplift at joint 3.
6) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 1-8-12 from the left end to connect truss(es) R24 (1 ply 2x4 SP) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 54 lb up at 3-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-64, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-76, 6=-82

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R24	Flat	2	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 24 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Horiz 4=-76 (LC 9)
Max Uplift 3=-46 (LC 10), 4=-46 (LC 9)
Max Grav 3=134 (LC 22), 4=134 (LC 23)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4 and 46 lb uplift at joint 3.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA01	Flat	2	1	Job Reference (optional)

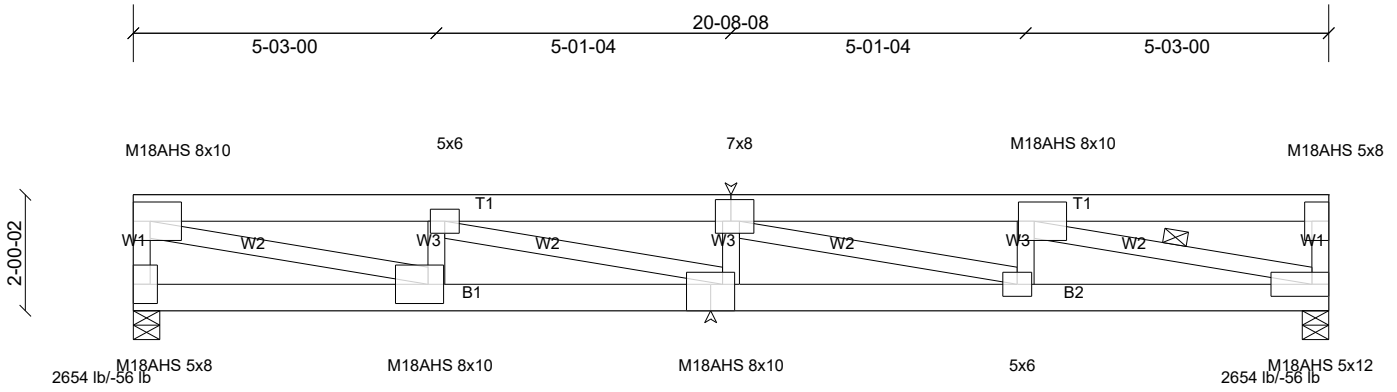


Plate Offsets (X, Y): [3:3-04,4-08], [4:3-04,4-00], [5:Edge,3-08], [9:2-08,Edge], [10:3-04,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.47	8	>521	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.61	8	>401	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.08	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 134 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 2-03)
Max Horiz 11=-39 (LC 9)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2509/278, 1-2=-6586/659, 2-12=-8719/860, 3-12=-8719/860, 3-13=-6589/660, 4-13=-6589/660, 4-5=-286/51, 5-6=-594/88
BOT CHORD 10-11=-81/292, 9-10=-688/6586, 8-9=-688/6586, 7-8=-889/8719, 6-7=-670/6589
WEBS 4-6=-6587/655, 2-10=-1913/270, 1-10=-654/6578, 2-8=-228/2230, 3-8=-529/122, 3-7=-2227/228, 4-7=0/646

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA02	Flat	2	1	Job Reference (optional)

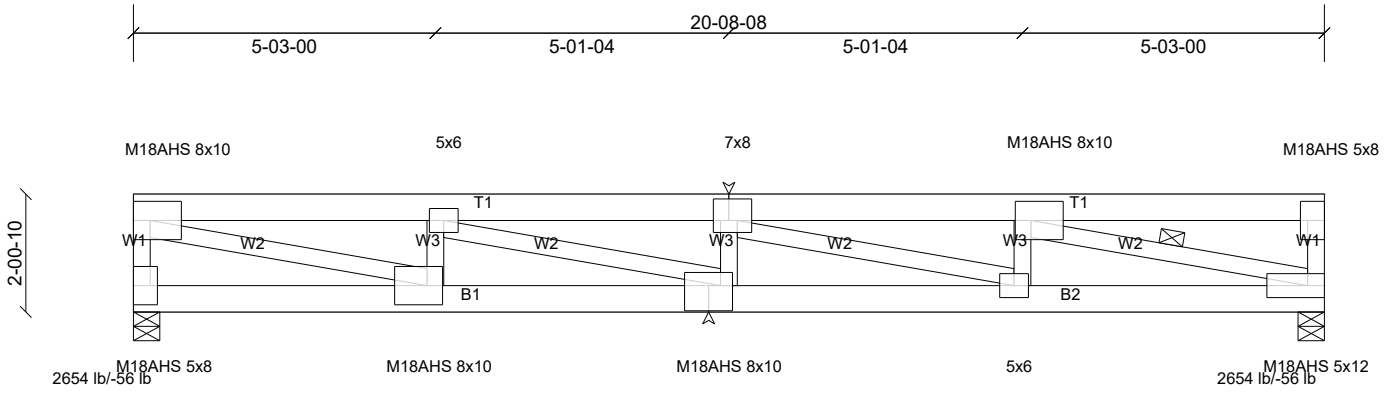


Plate Offsets (X, Y): [3:3-04,4-08], [4:3-04,4-00], [5:Edge,3-08], [9:2-08,5-04], [10:3-04,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.46	8	>536	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.59	8	>412	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 3-02)
Max Horiz 11=-40 (LC 9)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

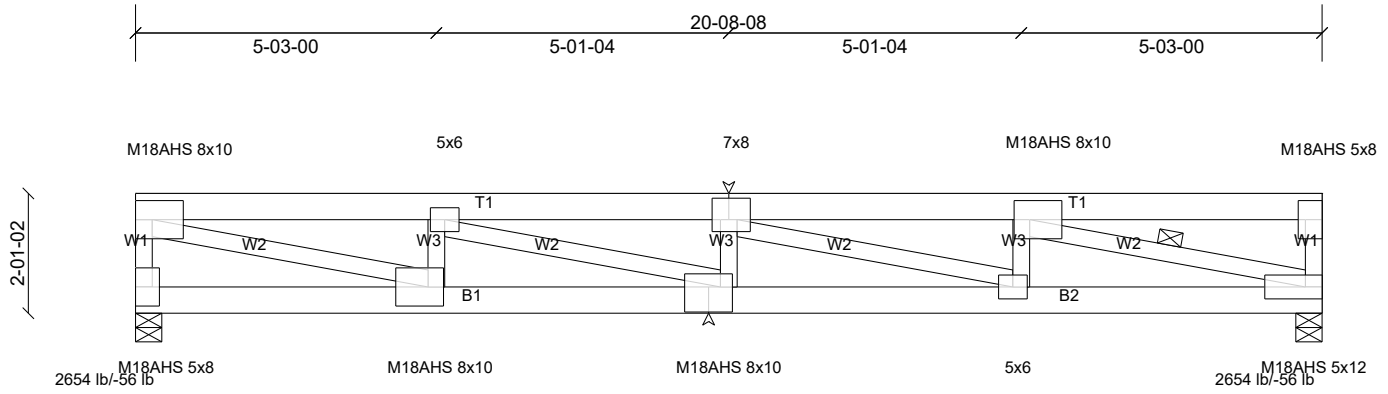
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2525/280, 1-2=-6451/646, 2-12=-8536/842, 3-12=-8536/842, 3-13=-6435/645, 4-13=-6435/645, 4-5=-269/50, 5-6=-589/88
BOT CHORD 10-11=-79/268, 9-10=-676/6451, 8-9=-676/6451, 7-8=-871/8536, 6-7=-656/6435
WEBS 4-6=-6459/642, 2-10=-1910/270, 1-10=-646/6477, 2-8=-224/2184, 3-8=-526/122, 3-7=-2201/226, 4-7=0/650

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA03	Flat	2	1	Job Reference (optional)



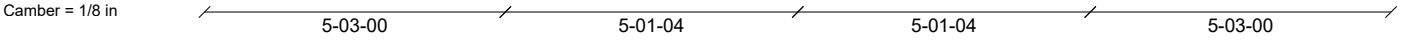


Plate Offsets (X, Y): [3:3-08,4-08], [4:3-04,4-00], [5:Edge,3-08], [9:2-08,5-04], [10:3-04,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.44	8	>562	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.57	8	>432	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

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, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 3-02)
Max Horiz 11=-41 (LC 9)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2529/280, 1-2=-6302/632, 2-12=-8332/822, 3-12=-8332/822, 3-13=-6287/631, 4-13=-6287/631, 4-5=-252/49, 5-6=-585/88
BOT CHORD 10-11=-79/251, 9-10=-663/6302, 8-9=-663/6302, 7-8=-852/8332, 6-7=-642/6287
WEBS 4-6=-6336/631, 2-10=-1914/271, 1-10=-634/6353, 2-8=-219/2131, 3-8=-526/122, 3-7=-2147/221, 4-7=0/654

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA04	Flat	2	1	Job Reference (optional)

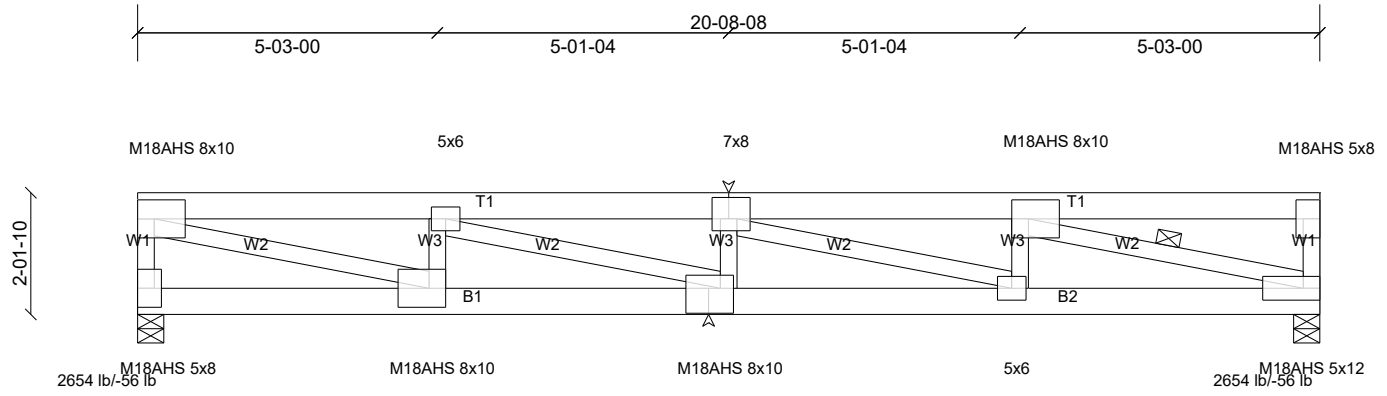


Plate Offsets (X, Y): [3:3-08,4-08], [4:3-08,4-00], [5:Edge,3-08], [9:2-12,5-04], [10:3-08,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.42	8	>588	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.54	8	>452	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.08	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

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, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 3-02)
Max Horiz 11=-43 (LC 9)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2532/281, 1-2=-6160/618, 2-12=-8137/803, 3-12=-8137/803, 3-13=-6146/618, 4-13=-6146/618, 5-6=-582/87
BOT CHORD 9-10=-650/6160, 8-9=-650/6160, 7-8=-834/8137, 6-7=-629/6146
WEBS 4-6=-6219/619, 2-10=-1918/271, 1-10=-622/6234, 2-8=-214/2081, 3-8=-526/122, 3-7=-2096/216, 4-7=0/658

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint 6.

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA05	Flat	2	1	Job Reference (optional)

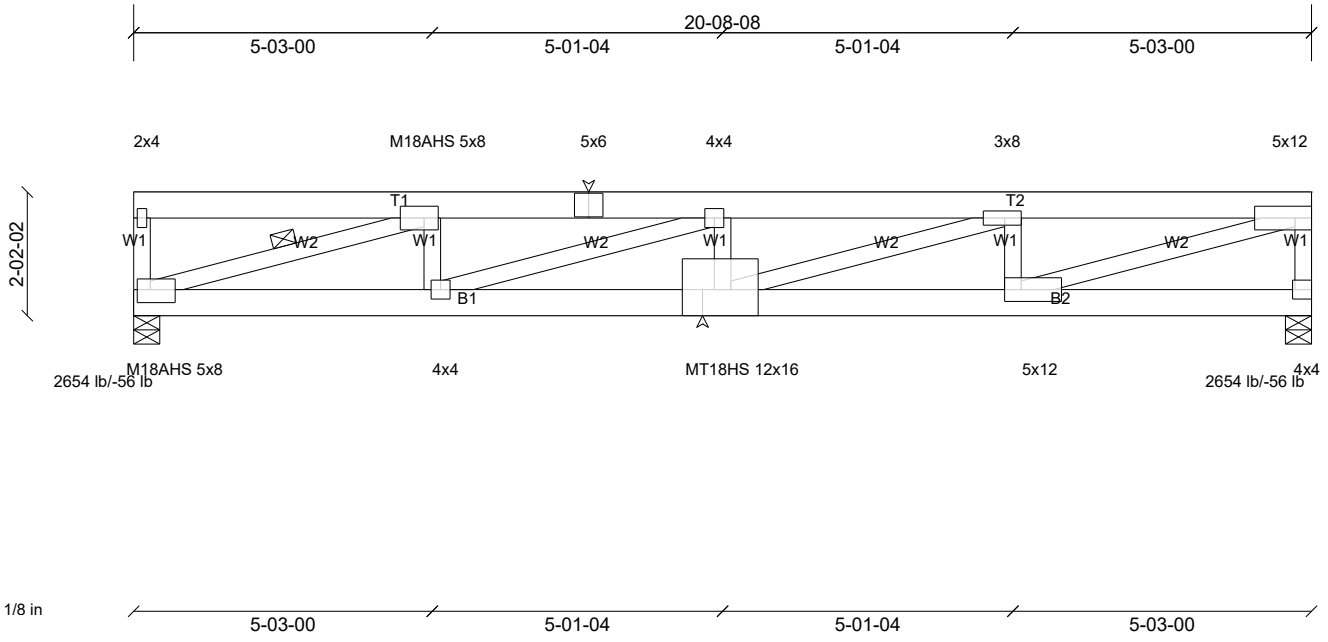

Plate Offsets (X, Y): [2:3-00,2-08], [5:3-08,1-08], [7:Edge,3-08], [8:3-08,2-08], [10:5-12,Edge], [12:2-12,2-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.40	9	>619	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.51	9	>476	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.07	7	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 136 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-12

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

REACTIONS (size) 7=5-08, (min. 2-03), 12=5-08, (min. 2-03)
Max Uplift 7=-56 (LC 13), 12=-56 (LC 13)
Max Grav 7=2654 (LC 2), 12=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6063/595, 3-4=-6063/595, 4-13=-7913/777, 5-13=-7913/777, 5-6=-6060/595
BOT CHORD 11-12=-595/6063, 10-11=-777/7913, 9-10=-777/7913, 8-9=-595/6060
WEBS 1-12=-522/79, 6-7=-2562/279, 2-11=0/682, 2-12=-6397/628, 4-9=-520/117, 5-8=-1977/275, 6-8=-628/6393, 5-9=-192/1956, 4-11=-1952/192

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 7 and 56 lb uplift at joint 12.

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QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA06	Flat	2	1	Job Reference (optional)

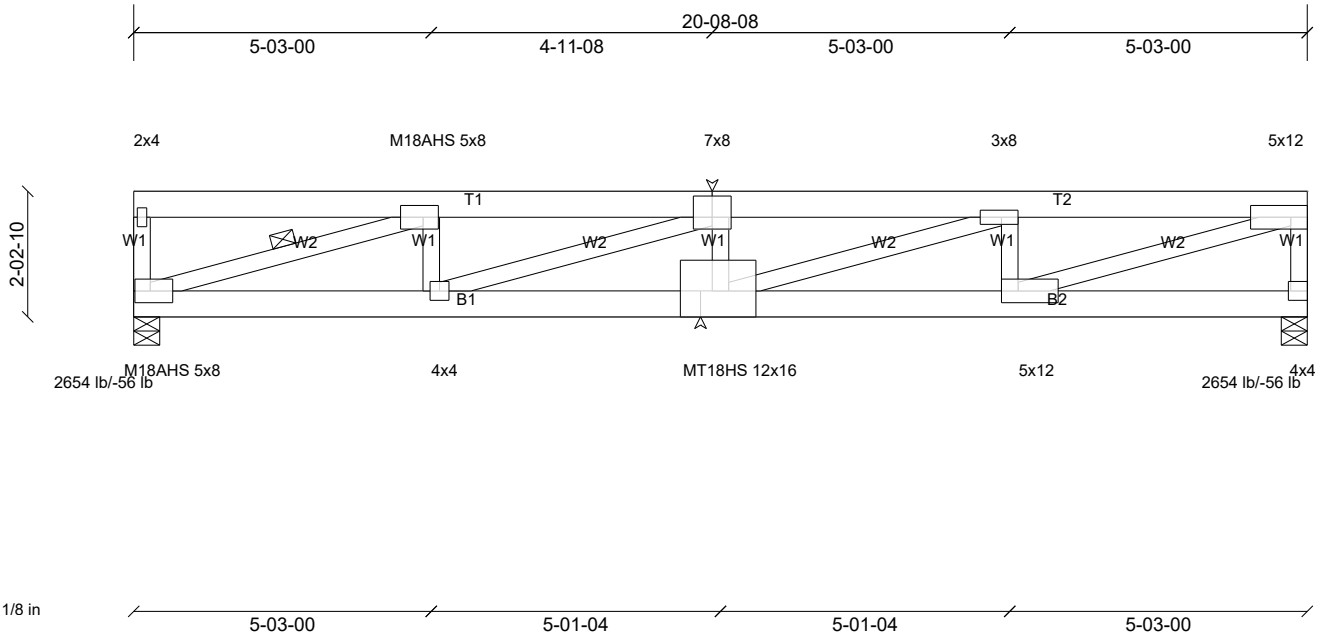

Plate Offsets (X, Y): [2:3-04,2-08], [3:4-00,4-08], [4:3-08,1-08], [6:Edge,3-08], [7:3-08,2-08], [9:5-12,Edge], [11:3-04,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.38	8	>646	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.49	8	>498	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.07	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 136 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 2-03)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-5916/580, 3-12=-5916/580, 3-13=-7695/753, 4-13=-7695/753, 4-5=-5936/583
BOT CHORD 10-11=-580/5916, 9-10=-762/7737, 8-9=-762/7737, 7-8=-583/5936
WEBS 1-11=-525/80, 5-6=-2563/280, 5-7=-617/6278, 2-10=0/705, 2-11=-6257/613, 3-10=-1932/193, 3-8=-502/115, 4-8=-179/1861, 4-7=-1984/276

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 6 and 56 lb uplift at joint 11.

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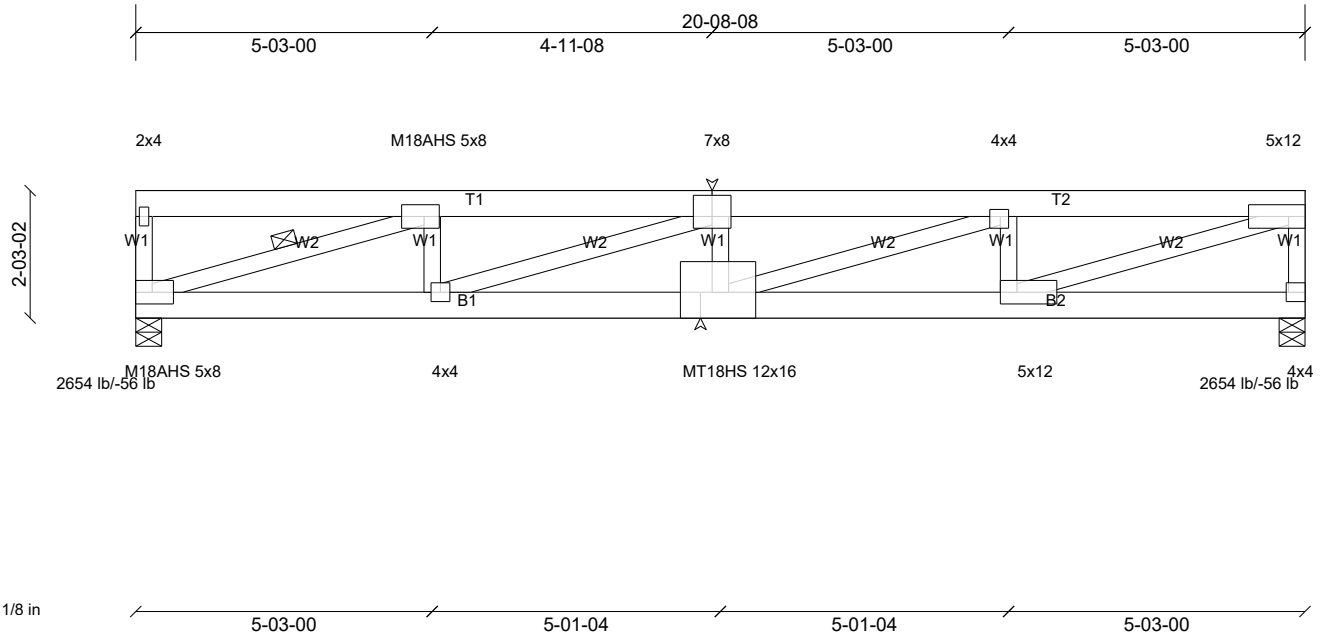
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA07	Flat	2	1	Job Reference (optional)



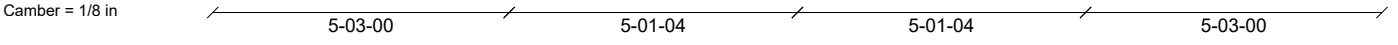


Plate Offsets (X, Y): [2:3-04,2-08], [3:4-00,4-08], [4:1-12,1-08], [6:Edge,3-08], [7:3-08,2-08], [9:5-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.36	8	>675	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.47	8	>519	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 136 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 2-03), 11=5-08, (min. 2-03)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-5790/568, 3-12=-5790/568, 3-13=-7527/736, 4-13=-7527/736, 4-5=-5809/571
BOT CHORD 10-11=-568/5790, 9-10=-745/7568, 8-9=-745/7568, 7-8=-571/5809
WEBS 1-11=-523/80, 5-6=-2565/280, 5-7=-605/6159, 2-10=0/707, 2-11=-6139/602, 3-10=-1892/189, 3-8=-502/115, 4-8=-175/1822, 4-7=-1986/276

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 6 and 56 lb uplift at joint 11.

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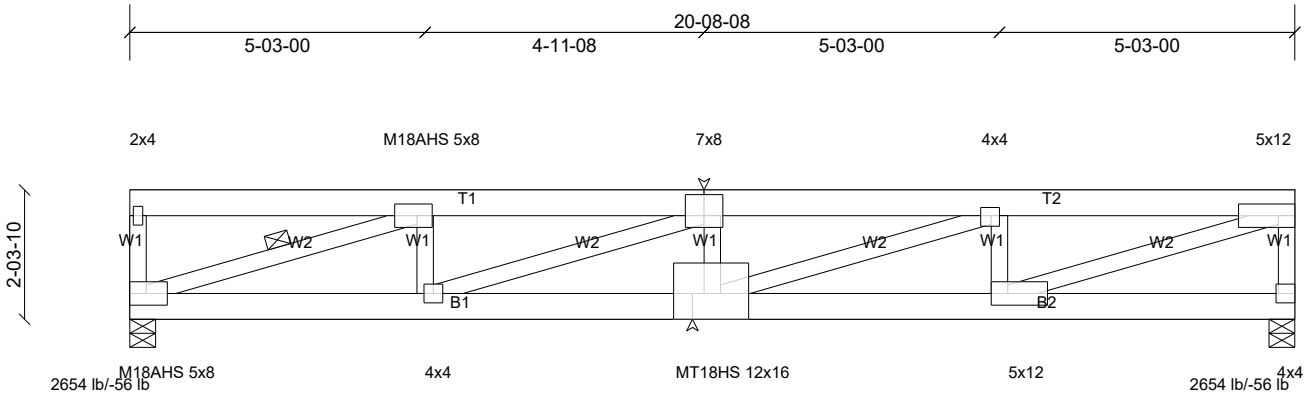
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA08	Flat	2	1	Job Reference (optional)



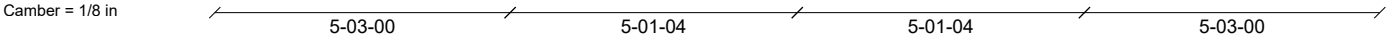


Plate Offsets (X, Y): [2:3-04,2-08], [3:4-00,4-08], [4:1-12,1-12], [6:Edge,3-08], [7:3-08,2-08], [9:6-00,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.38	8	>653	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.49	8	>502	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.07	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 137 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 3-02), 11=5-08, (min. 2-03)
Max Uplift 6=-56 (LC 13), 11=-56 (LC 13)
Max Grav 6=2654 (LC 2), 11=2654 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-5646/554, 3-12=-5646/554, 3-13=-7354/719, 4-13=-7354/719, 4-5=-5665/557
BOT CHORD 10-11=-554/5646, 9-10=-728/7394, 8-9=-728/7394, 7-8=-557/5665
WEBS 1-11=-525/80, 5-6=-2563/280, 5-7=-592/6023, 2-10=0/706, 2-11=-6003/588, 3-10=-1864/186, 3-8=-502/115, 4-8=-173/1796, 4-7=-1986/276

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 6 and 56 lb uplift at joint 11.

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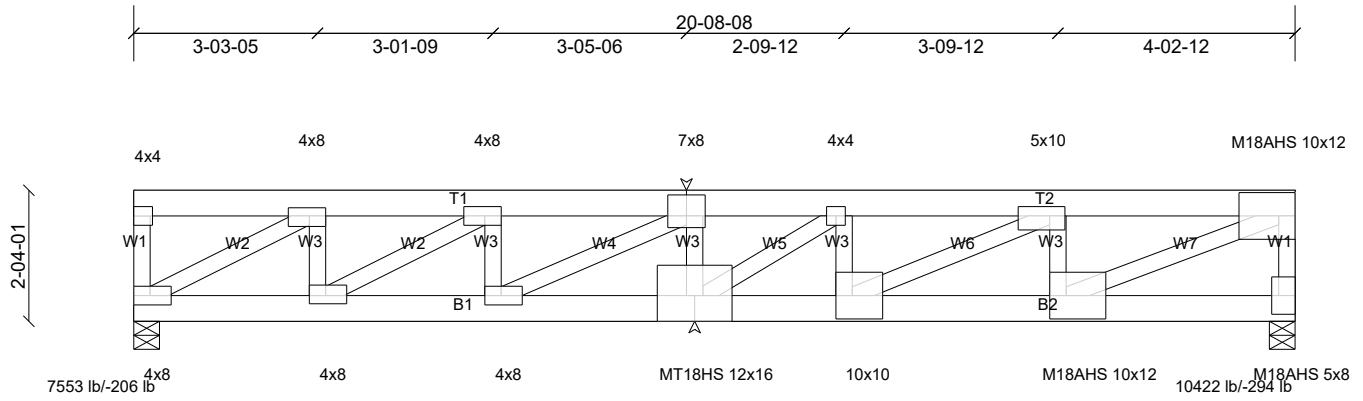
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA09	Flat Girder	2	3	Job Reference (optional)



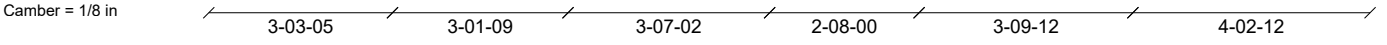


Plate Offsets (X, Y): [2:3-08,1-12], [3:3-08,2-00], [4:4-00,4-08], [6:3-04,2-00], [8:Edge,3-08], [9:3-08,5-00], [10:3-08,5-00], [12:3-08,2-00], [13:3-08,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.45	10-11	>543	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.58	10-11	>422	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.10	8	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 426 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T2:2x6 SP 2400F 2.0E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W1,W6:2x4 SP No.1, W7:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 8=5-08, (min. 2-14), 14=5-08, (min. 2-01)
Max Horiz 14=48 (LC 12)
Max Uplift 8=-294 (LC 13), 14=-206 (LC 13)
Max Grav 8=10422 (LC 2), 14=7553 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-467/60, 1-2=-298/44, 2-3=-11708/630, 3-15=-22102/1101, 4-15=-22102/1101, 4-5=-32343/1474, 5-6=-37570/1617, 6-7=-21393/989, 7-8=-10250/513
BOT CHORD 13-14=-665/11708, 12-13=-1136/22102, 11-12=-1503/32011, 10-11=-1642/37570, 9-10=-997/21393, 8-9=-38/390
WEBS 7-9=-1055/23121, 5-10=-194/3751, 6-10=-719/18036, 6-9=-9252/491, 5-11=-6397/232, 2-13=-238/6144, 2-14=-13308/700, 3-13=-12124/565, 3-12=-167/5434, 4-12=-11284/435, 4-11=-111/4286

NOTES
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 5-10 2x4 - 2 rows staggered at 4-00 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 14 and 294 lb uplift at joint 8.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 12666 lb down and 388 lb up at 12-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-7=-64, 8-14=-20
Concentrated Loads (lb)
Vert: 10=-3993

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA10	Flat	2	1	Job Reference (optional)

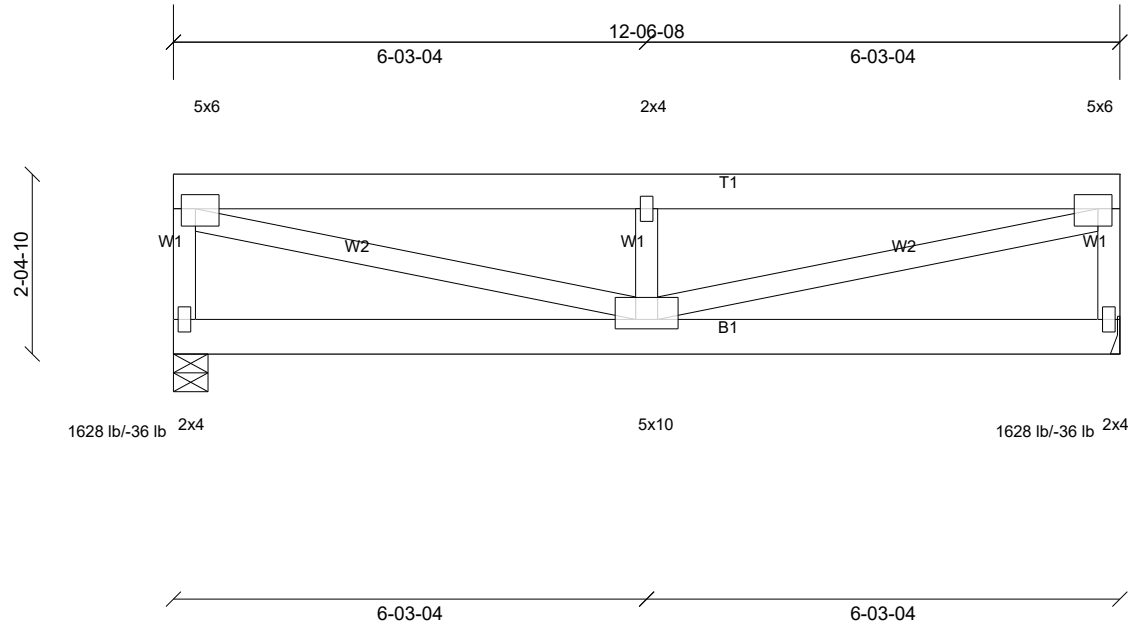


Plate Offsets (X, Y): [1:2-04,2-04], [3:2-04,2-04], [5:5-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.16	5	>913	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 83 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-15)
Max Uplift 4=-36 (LC 9), 6=-36 (LC 9)
Max Grav 4=1628 (LC 2), 6=1628 (LC 2)

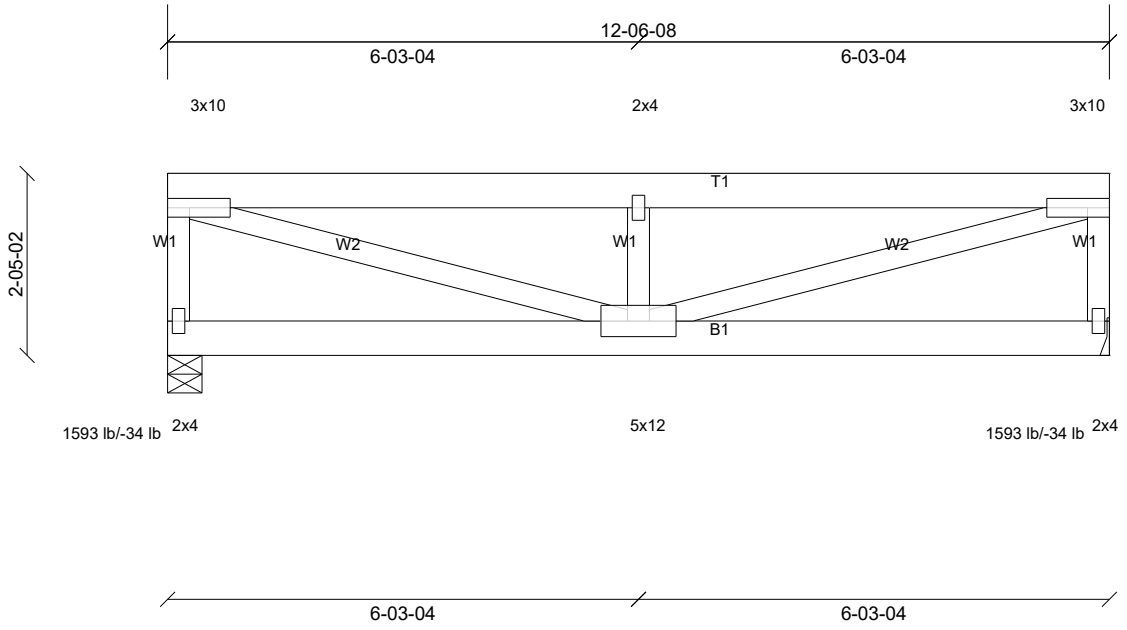
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2941/410, 2-3=-2941/410
WEBS 1-6=-1546/251, 3-4=-1546/251, 2-5=-1805/366, 1-5=-448/3199, 3-5=-448/3199

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA11	Flat	2	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.11	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.15	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 83 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Uplift 4=-34 (LC 9), 6=-34 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2871/398, 2-3=-2871/398
WEBS 1-6=-1510/244, 3-4=-1510/244, 2-5=-1764/358, 1-5=-418/3015, 3-5=-418/3015

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 6 and 34 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA12	Flat	2	1	Job Reference (optional)

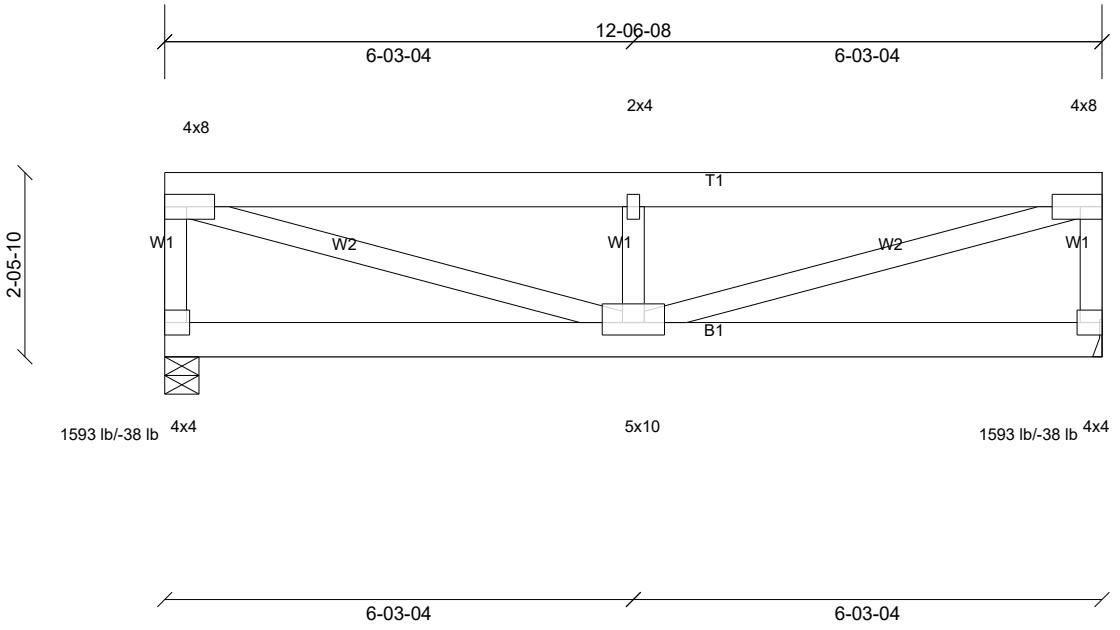


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.10	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.13	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 83 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-51 (LC 9)
Max Uplift 4=-38 (LC 10), 6=-38 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1488/250, 1-2=-2754/387, 2-3=-2754/387, 3-4=-1488/250
WEBS 1-5=-404/2736, 2-5=-1669/341, 3-5=-405/2736

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA13	Flat	2	1	Job Reference (optional)

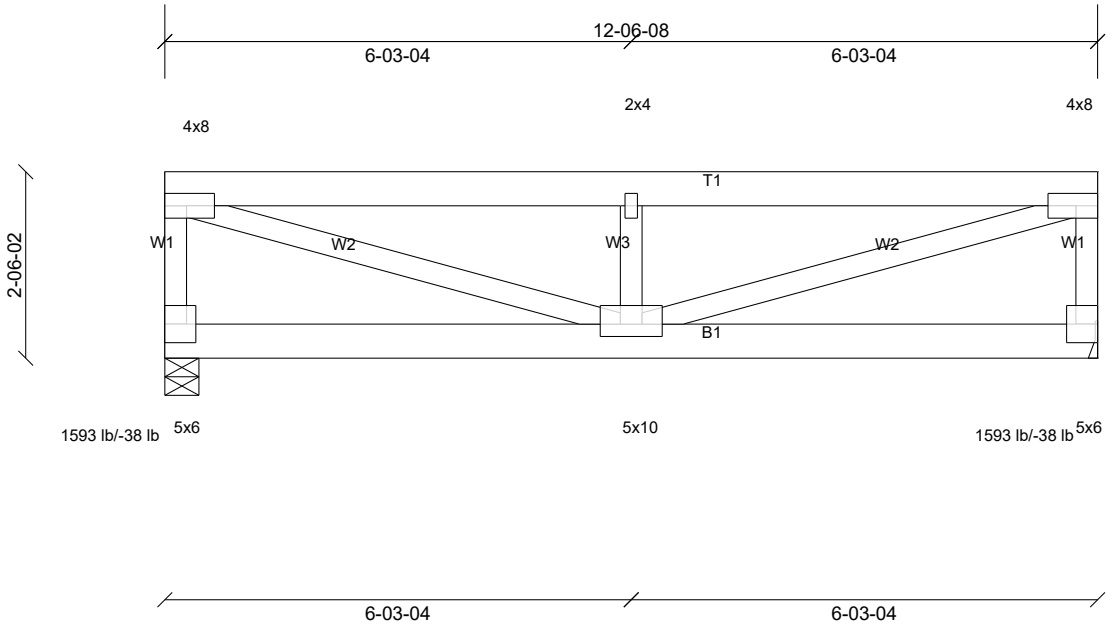


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.10	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.13	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 84 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-52 (LC 9)
Max Uplift 4=-38 (LC 10), 6=-38 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1488/250, 1-2=-2700/380, 2-3=-2700/380, 3-4=-1488/250
WEBS 1-5=-395/2673, 2-5=-1661/339, 3-5=-397/2673

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA14	Flat	2	1	Job Reference (optional)

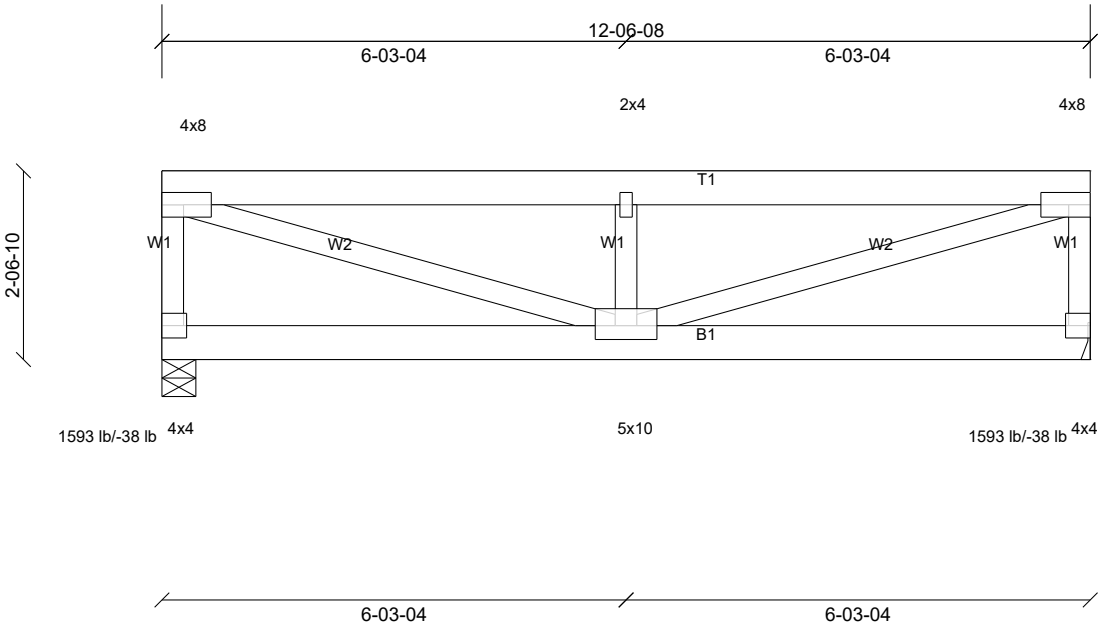


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.10	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.13	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 84 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-53 (LC 9)
Max Uplift 4=-38 (LC 10), 6=-38 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1491/251, 1-2=-2659/374, 2-3=-2659/374, 3-4=-1491/251
WEBS 1-5=-394/2661, 2-5=-1677/342, 3-5=-395/2661

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA15	Flat	2	1	Job Reference (optional)

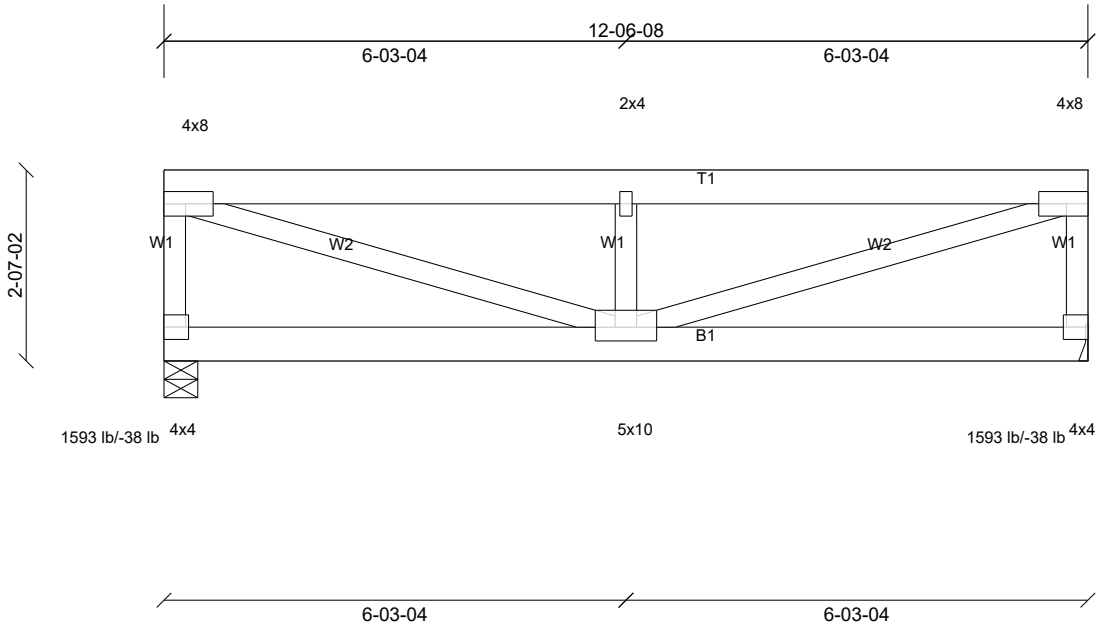


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.09	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.12	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 84 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-54 (LC 9)
Max Uplift 4=-38 (LC 10), 6=-38 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1493/251, 1-2=-2614/368, 2-3=-2614/368, 3-4=-1493/251
WEBS 1-5=-390/2625, 2-5=-1681/343, 3-5=-391/2625

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA16	Flat	2	1	Job Reference (optional)

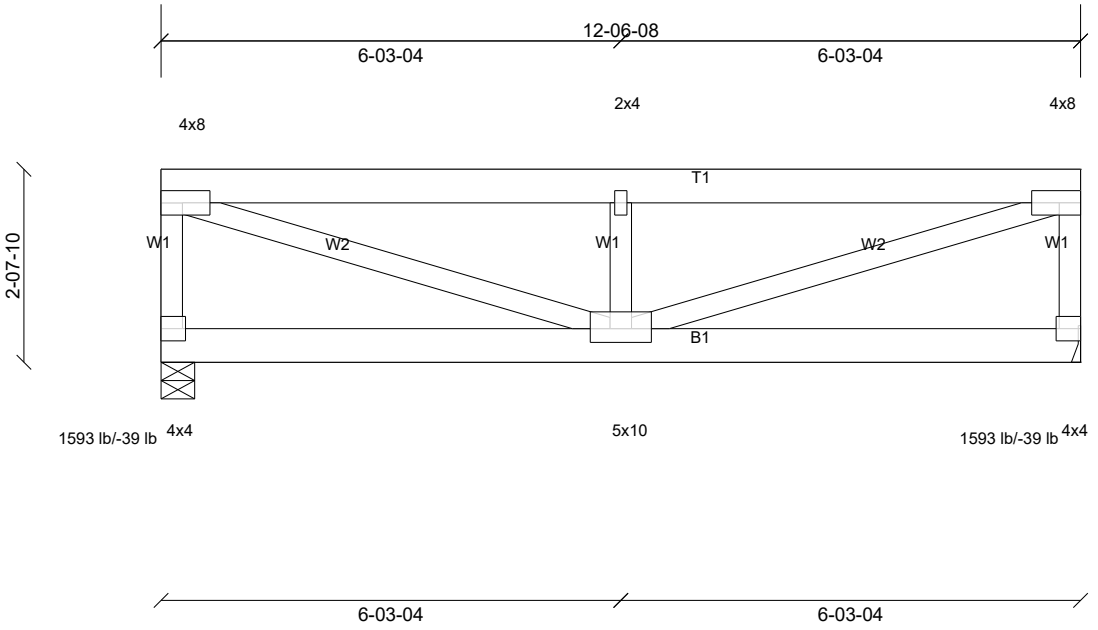


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.09	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.12	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 84 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-55 (LC 9)
Max Uplift 4=-39 (LC 10), 6=-39 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1494/252, 1-2=-2570/362, 2-3=-2570/362, 3-4=-1494/252
WEBS 1-5=-386/2589, 2-5=-1685/343, 3-5=-387/2589

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA17	Roof Special	1	1	Job Reference (optional)

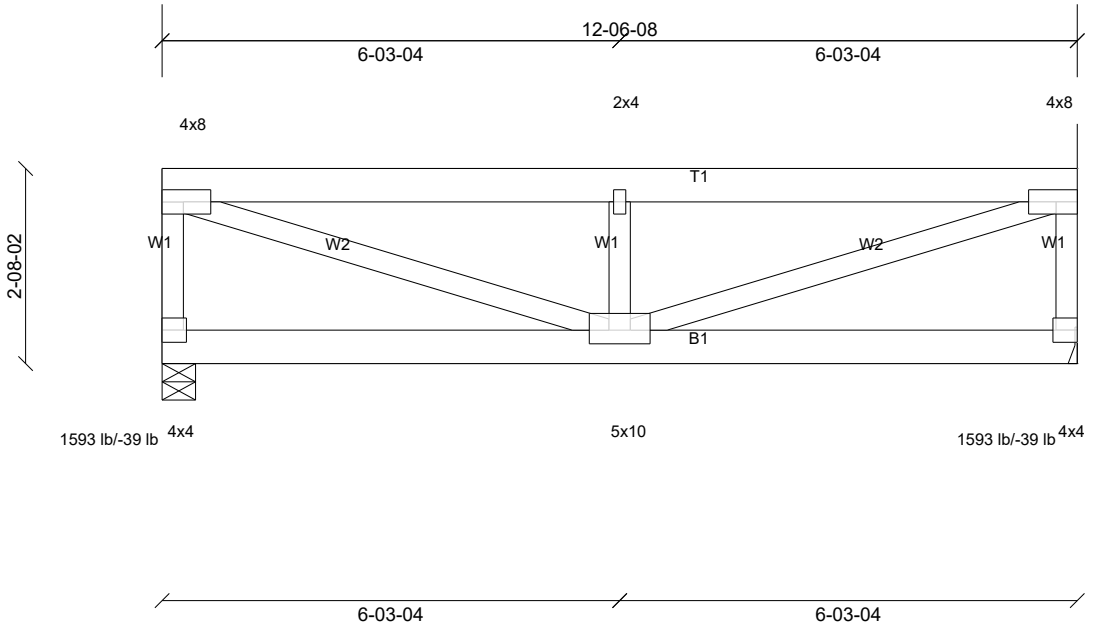


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.09	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.12	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 85 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=56 (LC 10)
Max Uplift 4=-39 (LC 10), 6=-39 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1496/252, 1-2=-2528/357, 2-3=-2528/357, 3-4=-1496/252
WEBS 1-5=-382/2555, 2-5=-1688/344, 3-5=-383/2555

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA18	Roof Special	2	1	Job Reference (optional)

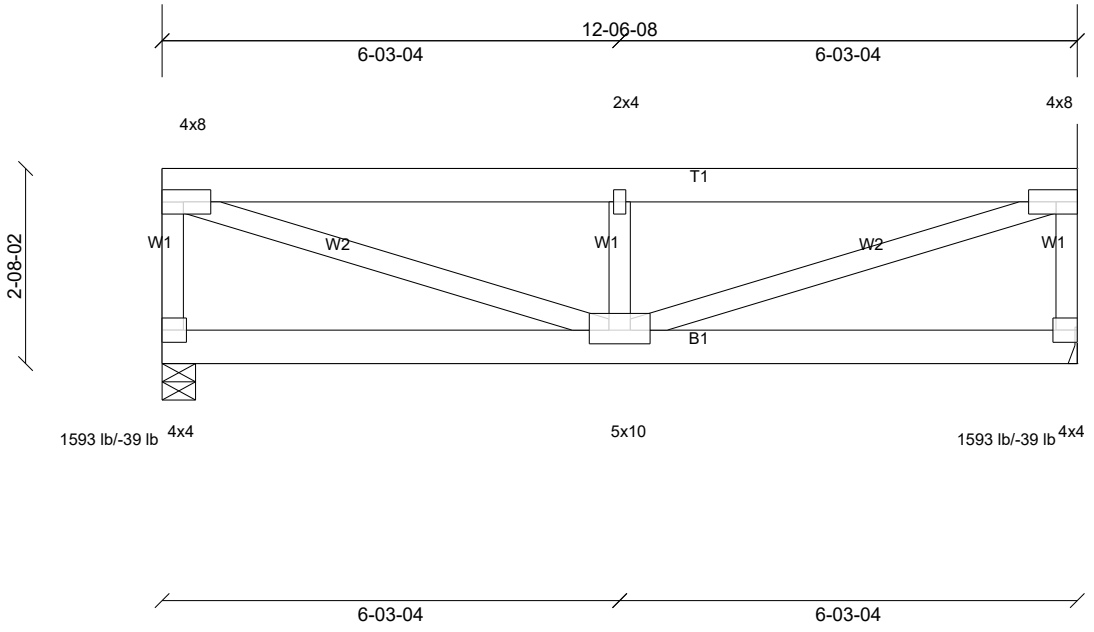


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.09	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.12	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 85 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=56 (LC 10)
Max Uplift 4=-39 (LC 10), 6=-39 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1496/252, 1-2=-2528/357, 2-3=-2528/357, 3-4=-1496/252
WEBS 1-5=-382/2555, 2-5=-1688/344, 3-5=-383/2555

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA19	Roof Special	2	1	Job Reference (optional)

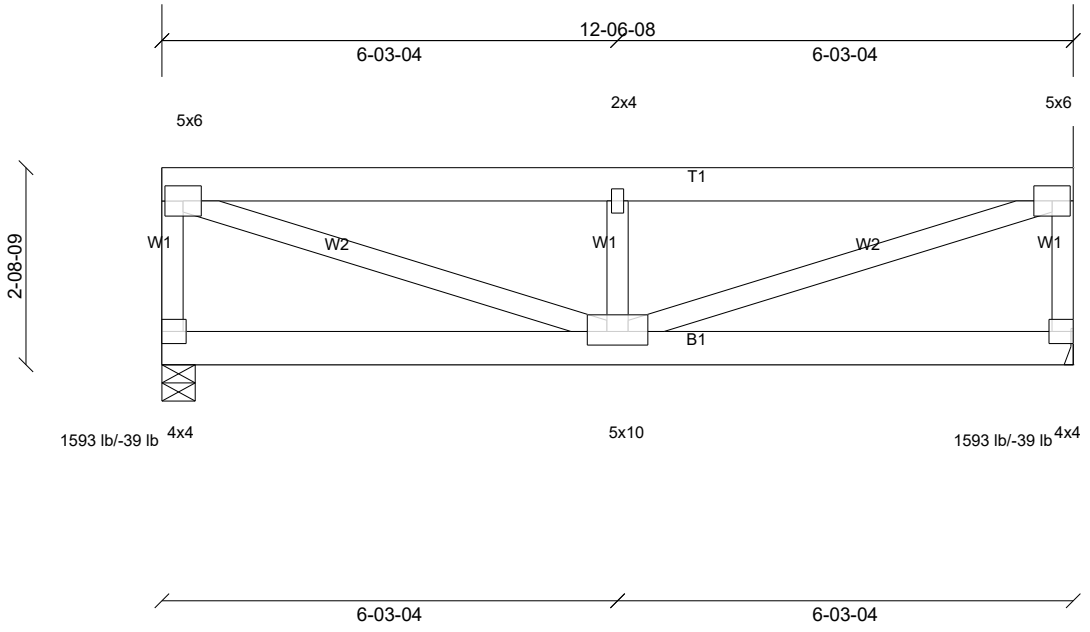


Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.09	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.11	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 85 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 1-14)
Max Horiz 6=-57 (LC 9)
Max Uplift 4=-39 (LC 10), 6=-39 (LC 9)
Max Grav 4=1593 (LC 2), 6=1593 (LC 2)

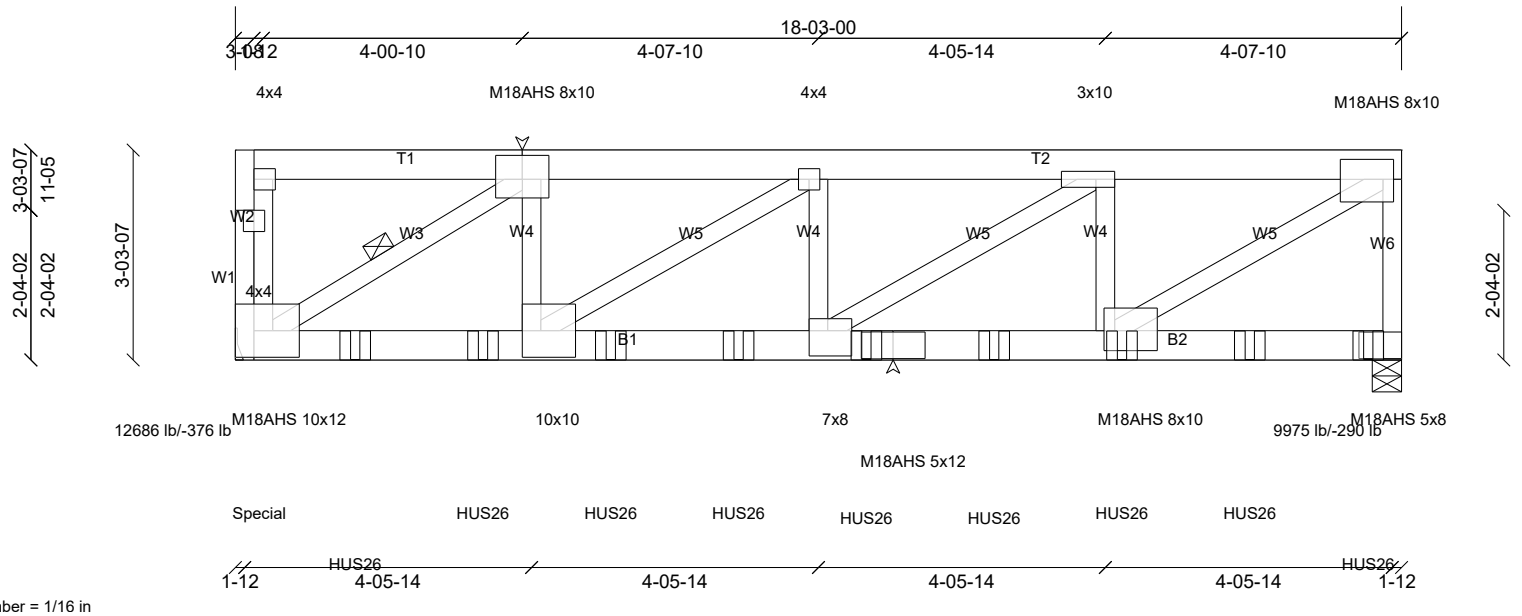
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1497/253, 1-2=-2490/351, 2-3=-2490/351, 3-4=-1497/253
WEBS 1-5=-378/2525, 2-5=-1691/344, 3-5=-379/2525

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA20	Flat Girder	2	2	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [2:5-00,4-08], [4:3-08,1-08], [5:2-00,3-12], [7:2-00,3-12], [9:3-08,4-12], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.22	9-10	>958	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.29	9-10	>741	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.06	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 267 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.1 *Except* W1,W2:2x4 SP No.3, W5:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

REACTIONS (size) 6=5-08, (min. 2-03), 11= Mechanical, (min. 1-08)
Max Horiz 11=72 (LC 12)
Max Uplift 6=-290 (LC 13), 11=-376 (LC 13)
Max Grav 6=9975 (LC 2), 11=12686 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-564/77, 1-12=-517/73, 1-2=-382/61, 2-13=-11627/605, 3-13=-11627/605, 3-14=-15390/787, 4-14=-15390/787, 4-5=-11757/620, 5-6=-7839/457
BOT CHORD 11-15=-650/11312, 15-16=-650/11312, 10-16=-650/11312, 10-17=-840/15390, 17-18=-840/15390, 9-18=-840/15390, 9-19=-639/11757, 8-19=-639/11757, 8-20=-639/11757, 7-20=-639/11757
WEBS 5-7=-711/13652, 2-10=-182/6121, 2-11=-13042/677, 3-10=-4447/255, 3-9=-71/1265, 4-9=-237/4294, 4-7=-3341/322

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 4-7 2x4 - 1 row at 3-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 290 lb uplift at joint 6 and 376 lb uplift at joint 11.
11) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-8 from the left end to 17-8-12 to connect truss(es) RA10 (1 ply 2x6 SP), RA11 (1 ply 2x6 SP), RA12 (1 ply 2x6 SP), RA13 (1 ply 2x6 SP), RA14 (1 ply 2x6 SP), RA15 (1 ply 2x6 SP), RA16 (1 ply 2x6 SP), RA17 (1 ply 2x6 SP), RA18 (1 ply 2x6 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3869 lb down and 123 lb up at 0-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-64, 6-11=-20
Concentrated Loads (lb)
Vert: 7=-494, 11=-1223, 15=-503, 16=-494, 17=-494, 18=-494, 19=-494, 20=-494, 21=-494, 22=-500

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA21	Flat	2	1	Job Reference (optional)

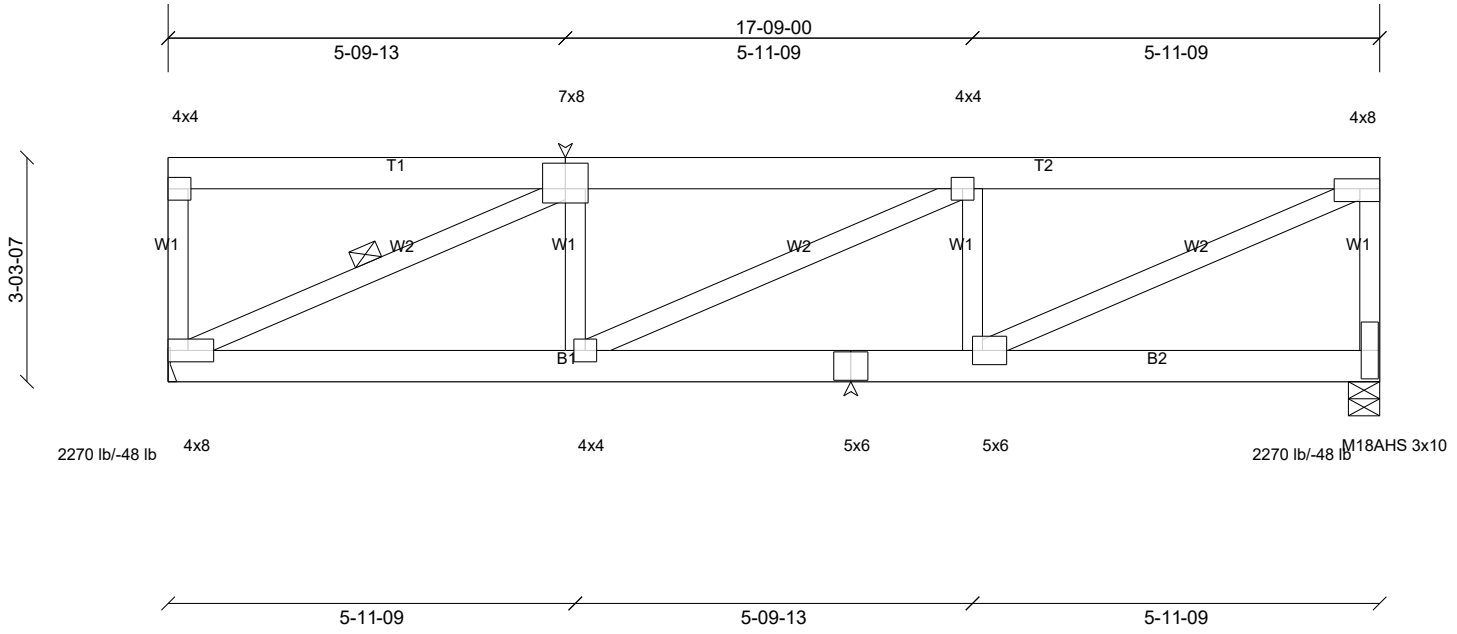


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.14	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.18	6-8	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9

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

REACTIONS (size) 5=5-08, (min. 2-11), 9= Mechanical, (min. 1-08)
Max Horiz 9=72 (LC 12)
Max Uplift 5=-48 (LC 13), 9=-48 (LC 13)
Max Grav 5=2270 (LC 2), 9=2270 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-585/100, 2-3=-3302/382, 3-11=-3341/389, 4-11=-3341/389, 4-5=-2189/286
BOT CHORD 8-9=-439/3296, 7-8=-419/3341, 6-7=-419/3341
WEBS 3-6=-1491/268, 4-6=-427/3624, 2-9=-3601/427

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 9 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA22	Flat Girder	2	2	Job Reference (optional)

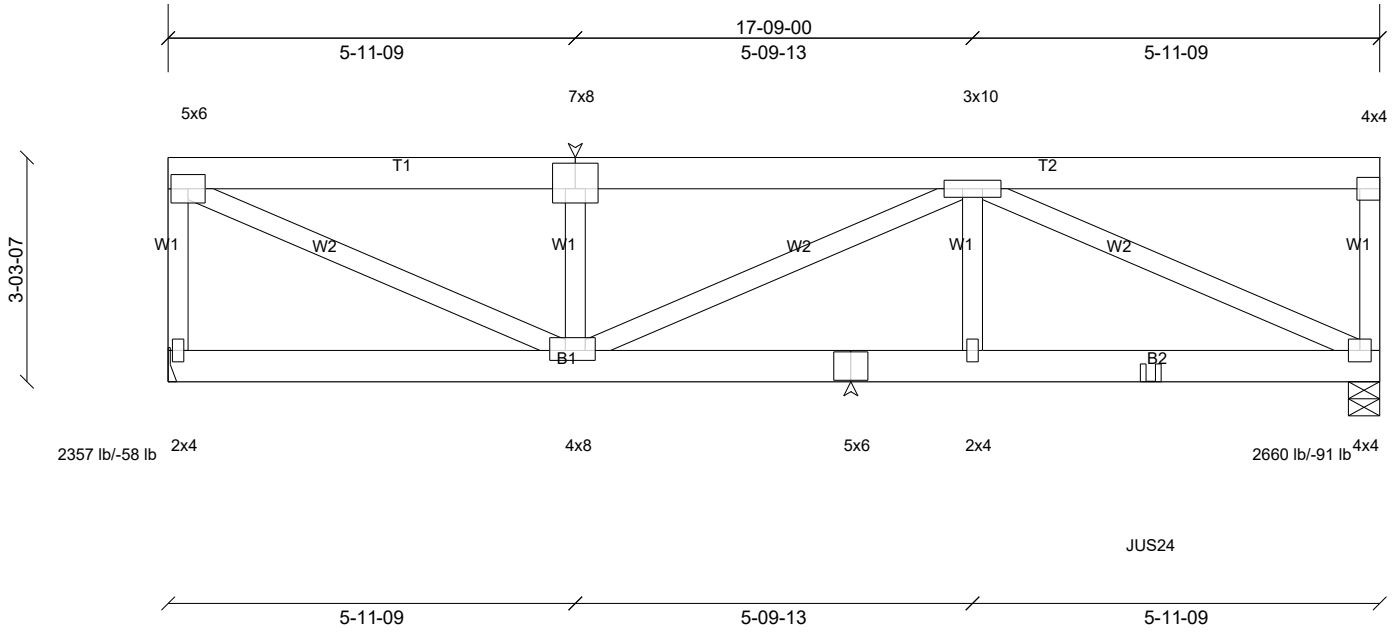


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,3-08], [8:2-12,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.08	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.10	6-8	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 248 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 5=5-08, (min. 1-09), 9= Mechanical, (min. 1-08)
Max Horiz 9=-72 (LC 9)
Max Uplift 5=-91 (LC 13), 9=-58 (LC 13)
Max Grav 5=2660 (LC 2), 9=2357 (LC 2)

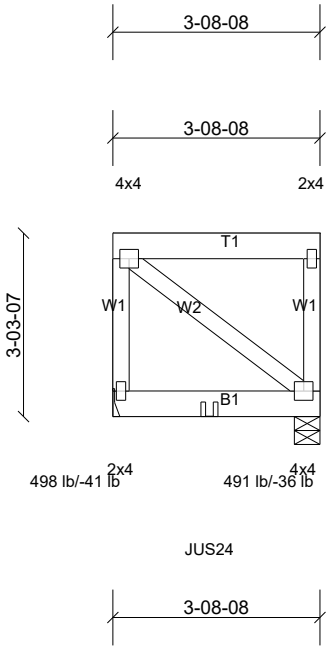
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-2261/294, 1-10=-3481/403, 2-10=-3481/403, 2-3=-3481/403, 4-5=-618/104
BOT CHORD 7-8=-466/3766, 6-7=-466/3766, 6-12=-466/3766, 5-12=-466/3766
WEBS 1-8=-441/3768, 2-8=-1483/255, 3-8=-317/63, 3-6=0/436, 3-5=-4057/474

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 9-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 9 and 91 lb uplift at joint 5.
9) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 14-4-12 from the left end to connect truss(es) RA23 (1 ply 2x6 SP) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-64, 5-9=-20
Concentrated Loads (lb)
Vert: 12=-164

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA23	Flat Girder	2	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	3-4	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 30 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Uplift 3=-36 (LC 9), 4=-41 (LC 9)
Max Grav 3=491 (LC 2), 4=498 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-4=-410/112, 2-3=-410/112

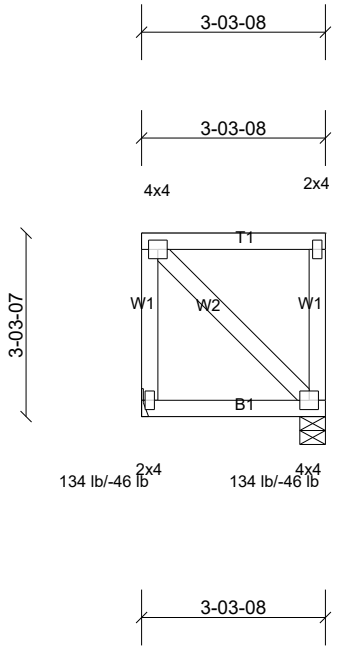
NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 36 lb uplift at joint 3.
6) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 1-8-12 from the left end to connect truss(es) RA24 (1 ply 2x4 SP) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-64, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-76

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA24	Flat	4	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 24 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Horiz 4=-76 (LC 9)
Max Uplift 3=-46 (LC 10), 4=-46 (LC 9)
Max Grav 3=134 (LC 22), 4=134 (LC 23)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4 and 46 lb uplift at joint 3.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB01	Flat	2	1	Job Reference (optional)

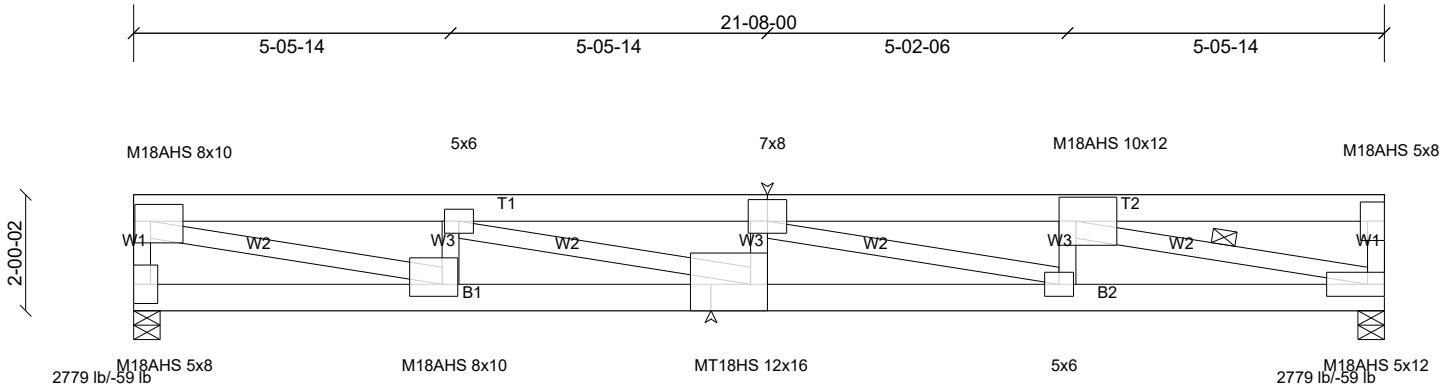


Plate Offsets (X, Y): [1:3-04,3-08], [3:4-00,4-08], [4:3-08,5-00], [5:Edge,3-08], [9:3-08,Edge], [10:3-04,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.56	8	>457	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.73	8	>352	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-39 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2626/281, 1-2=-7229/696, 2-12=-9510/900, 3-12=-9510/900, 3-13=-7203/693, 4-13=-7203/693, 4-5=-321/53, 5-6=-628/91
BOT CHORD 10-11=-82/323, 9-10=-725/7229, 8-9=-725/7229, 7-8=-939/9560, 6-7=-703/7203
WEBS 4-6=-7166/684, 2-10=-2008/276, 1-10=-689/7191, 2-8=-230/2375, 3-8=-536/123, 3-7=-2460/246, 4-7=0/700

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB02	Flat	2	1	Job Reference (optional)

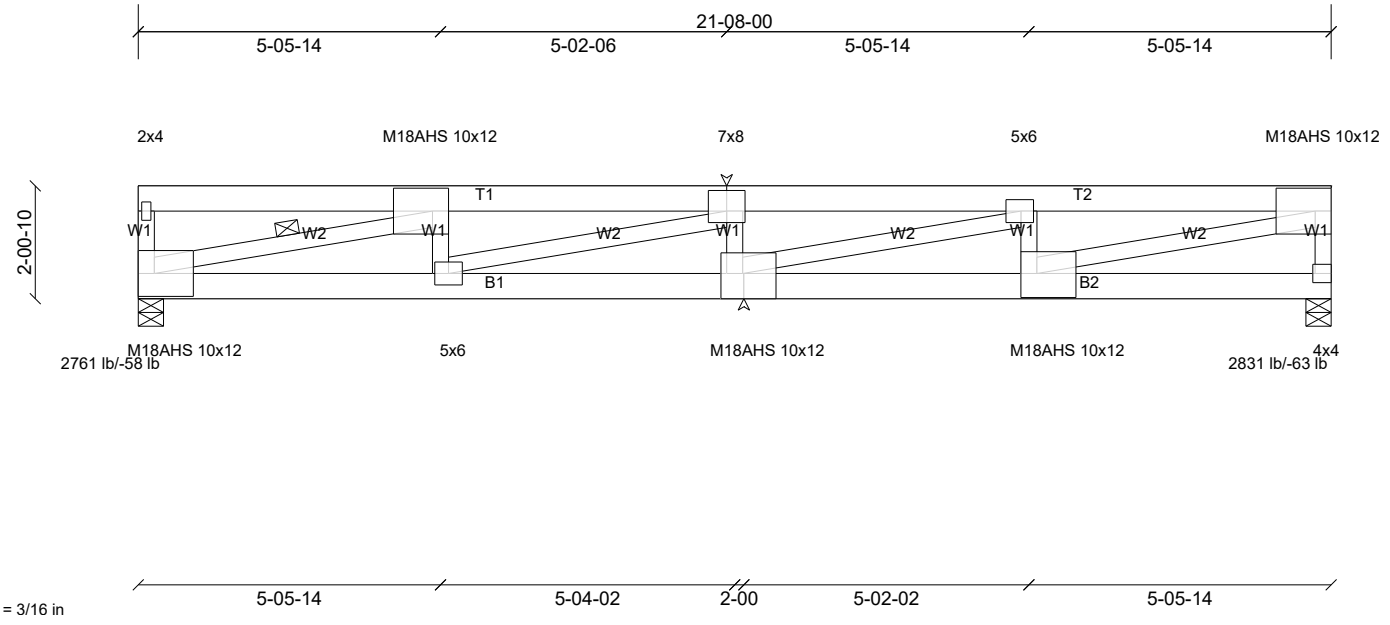


Plate Offsets (X, Y): [2:3-08,5-00], [3:4-00,4-08], [4:2-12,2-08], [6:Edge,3-08], [7:3-08,5-04], [8:4-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.57	9	>451	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.74	9	>348	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05)
Max Uplift 6=-63 (LC 13), 11=-58 (LC 13)
Max Grav 6=2831 (LC 2), 11=2761 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-7239/683, 3-12=-7239/683, 3-13=-9529/921, 4-13=-9529/921, 4-5=-7128/676
BOT CHORD 10-11=-683/7239, 9-10=-930/9572, 7-8=-676/7128
WEBS 1-11=-561/82, 5-6=-2715/288, 4-7=-2207/301, 2-10=0/694, 2-11=-7484/703, 3-9=-475/104, 3-10=-2440/259, 8-9=-921/9529, 4-8=-256/2513, 5-7=-732/7679

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 9 = 12%
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 11 and 63 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB03	Flat	2	1	Job Reference (optional)

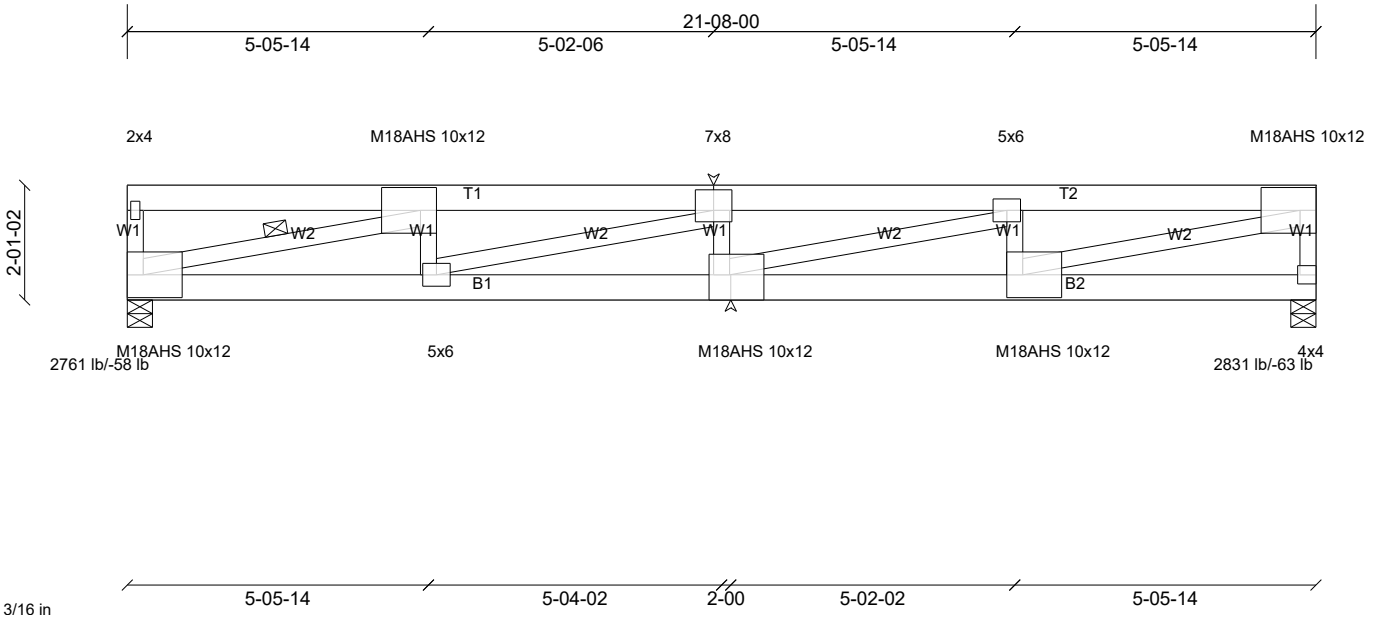


Plate Offsets (X, Y): [2:3-08,5-00], [3:4-00,4-08], [6:Edge,3-08], [7:3-08,5-00], [8:4-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.55	9	>473	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.71	9	>365	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05)
Max Uplift 6=-63 (LC 13), 11=-58 (LC 13)
Max Grav 6=2831 (LC 2), 11=2761 (LC 2)

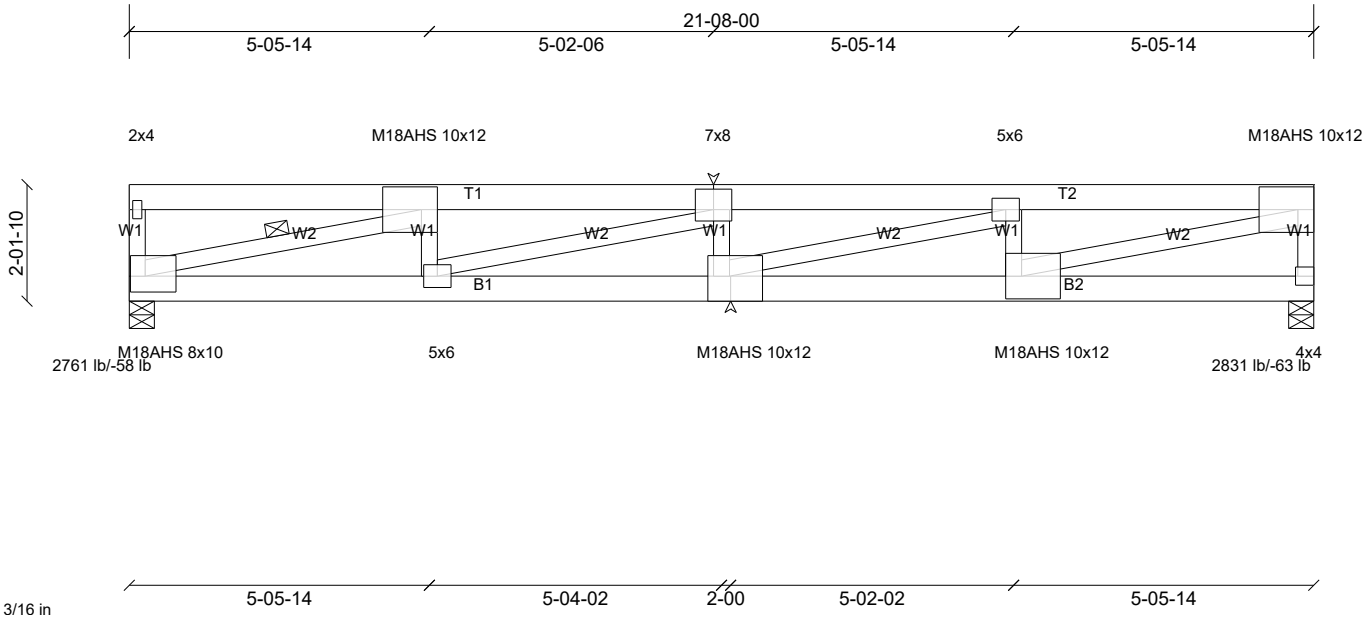
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661
BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965
WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 9 = 16%
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 11 and 63 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB04	Flat	2	1	Job Reference (optional)



Camber = 3/16 in

Plate Offsets (X, Y): [2:3-08,5-00], [3:4-00,4-08], [6:Edge,3-08], [7:3-08,5-00], [8:4-12,Edge], [11:3-04,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.53	9	>487	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.69	9	>376	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.10	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 3-05), 11=5-08, (min. 2-05)
Max Uplift 6=-63 (LC 13), 11=-58 (LC 13)
Max Grav 6=2831 (LC 2), 11=2761 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-6914/652, 3-12=-6914/652, 3-13=-9074/877, 4-13=-9074/877, 4-5=-6829/648
BOT CHORD 10-11=-652/6914, 9-10=-886/9116, 7-8=-648/6829
WEBS 1-11=-557/82, 5-6=-2732/290, 4-7=-2188/299, 2-10=0/703, 2-11=-7178/674, 3-9=-487/105, 3-10=-2314/246, 8-9=-877/9074, 4-8=-240/2360, 5-7=-704/7388

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 9 = 16%
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 11 and 63 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB05	Flat	2	1	Job Reference (optional)

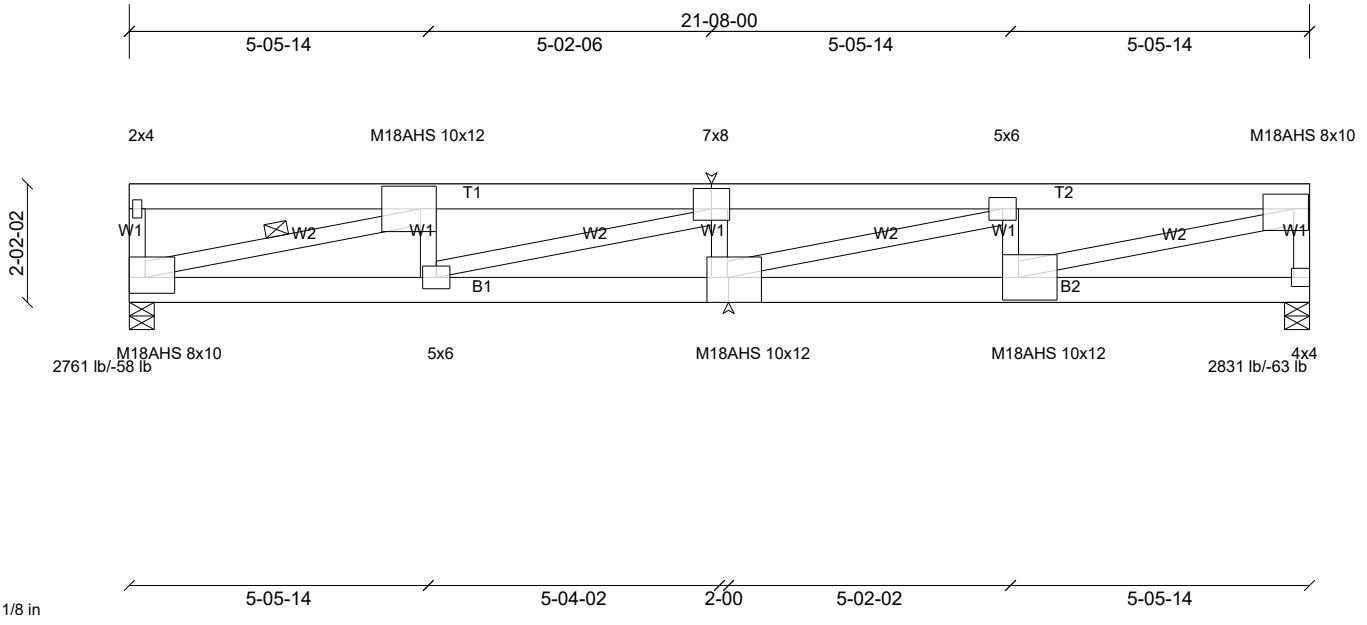


Plate Offsets (X, Y): [2:3-08,5-00], [3:4-00,4-08], [5:3-04,3-04], [6:Edge,3-08], [7:3-08,5-00], [8:4-08,Edge], [11:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.51	9	>510	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.66	9	>393	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 3-05), 11=5-08, (min. 2-05)
Max Uplift 6=-63 (LC 13), 11=-58 (LC 13)
Max Grav 6=2831 (LC 2), 11=2761 (LC 2)

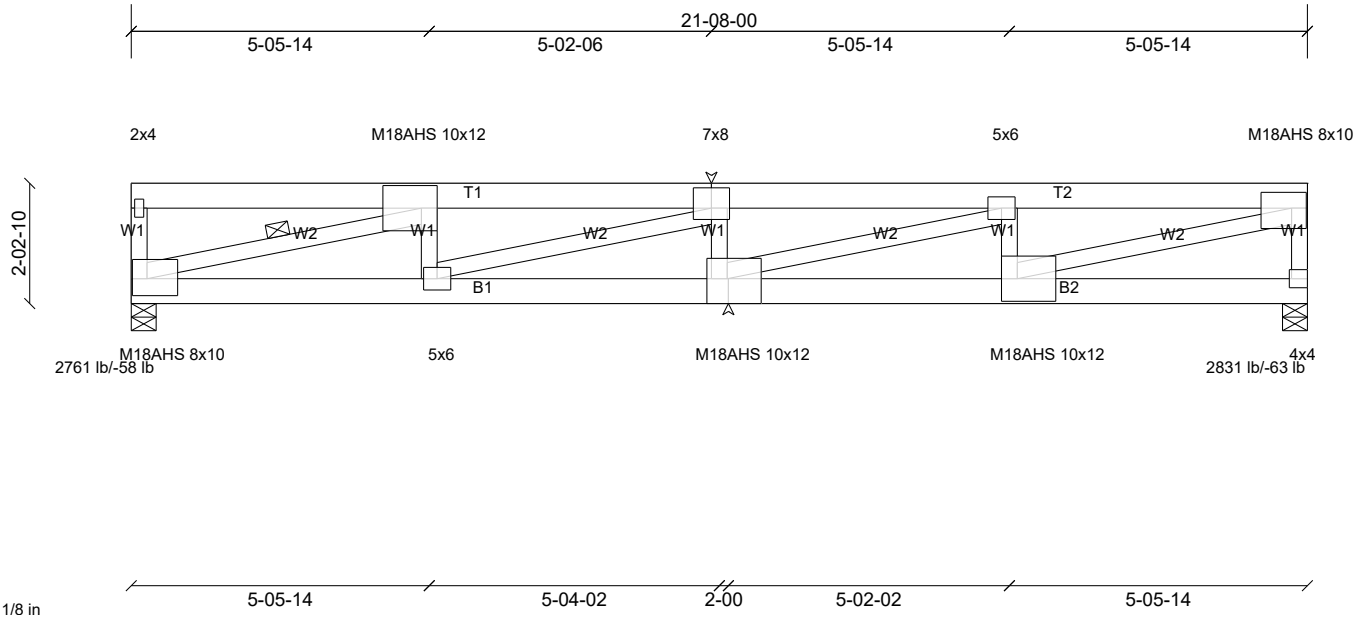
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-6761/638, 3-12=-6761/638, 3-13=-8860/856, 4-13=-8860/856, 4-5=-6678/634
BOT CHORD 10-11=-638/6761, 9-10=-865/8901, 7-8=-634/6678
WEBS 1-11=-555/82, 5-6=-2734/290, 4-7=-2187/299, 2-10=0/706, 2-11=-7035/661, 3-9=-490/105, 3-10=-2254/239, 8-9=-856/8860, 4-8=-234/2299, 5-7=-690/7240

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 11 and 63 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB06	Flat	2	1	Job Reference (optional)



Camber = 1/8 in

Plate Offsets (X, Y): [2:3-08,5-00], [3:4-00,4-08], [5:3-04,3-08], [6:Edge,3-08], [7:3-08,5-00], [8:4-08,Edge], [11:3-04,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.49	9	>532	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.63	9	>411	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 2-11

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

REACTIONS (size) 6=5-08, (min. 3-05), 11=5-08, (min. 2-05)
Max Uplift 6=-63 (LC 13), 11=-58 (LC 13)
Max Grav 6=2831 (LC 2), 11=2761 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-6615/624, 3-12=-6615/624, 3-13=-8656/837, 4-13=-8656/837, 4-5=-6534/620
BOT CHORD 10-11=-624/6615, 9-10=-845/8696, 7-8=-620/6534
WEBS 1-11=-553/81, 5-6=-2736/290, 4-7=-2186/299, 2-10=0/709, 2-11=-6899/648, 3-9=-493/106, 3-10=-2197/234, 8-9=-837/8656, 4-8=-228/2242, 5-7=-676/7098

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 11 and 63 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB07	Flat	2	1	Job Reference (optional)

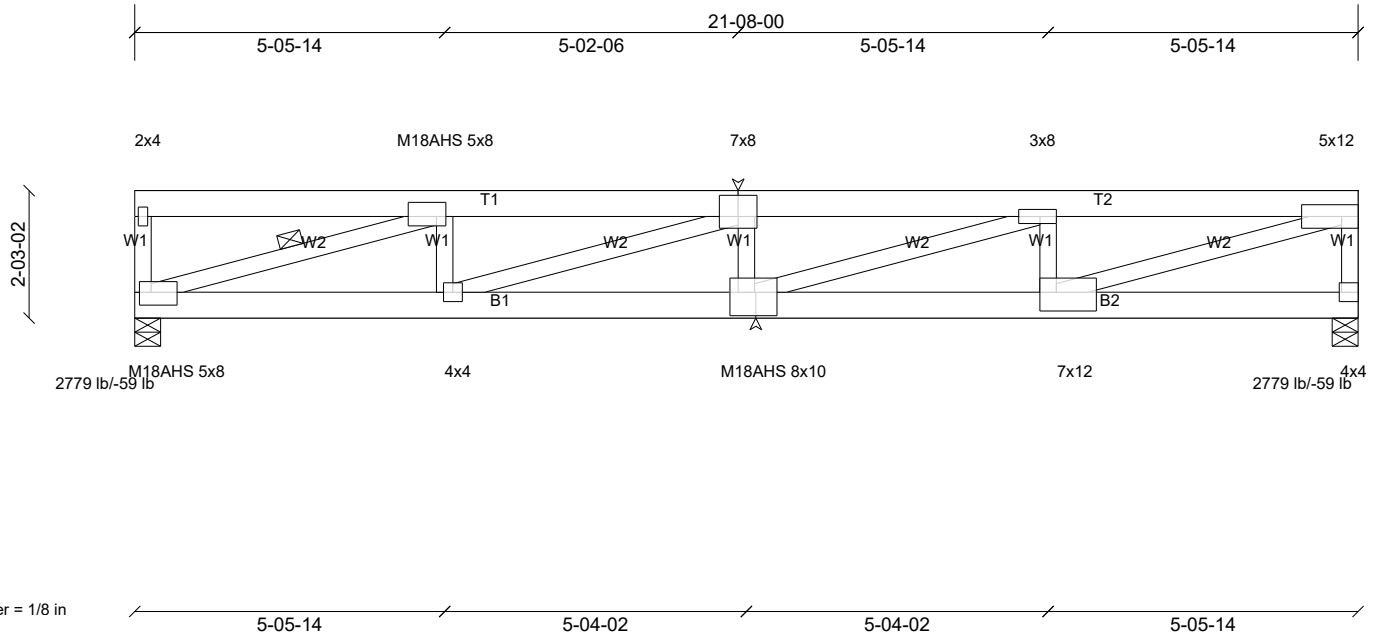


Plate Offsets (X, Y): [2:2-00,3-00], [3:4-00,4-08], [4:3-08,1-08], [6:Edge,3-08], [7:3-08,4-00], [8:4-08,5-00], [10:2-08,2-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.44	8	>583	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.57	8	>448	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 7-8.
WEBS 1 Row at midpt 2-10

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

REACTIONS (size) 6=5-08, (min. 3-04), 10=5-08, (min. 2-05)
Max Uplift 6=-59 (LC 13), 10=-59 (LC 13)
Max Grav 6=2779 (LC 2), 10=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-6344/598, 3-11=-6344/598, 3-12=-8224/771, 4-12=-8224/771, 4-5=-6373/603
BOT CHORD 9-10=-598/6344, 8-9=-791/8315, 7-8=-603/6373
WEBS 1-10=-548/81, 5-6=-2692/284, 4-7=-2077/280, 2-9=0/741, 2-10=-6694/631, 3-8=-533/118, 3-9=-2086/205, 4-8=-178/1960, 5-7=-637/6725

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 10 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB08	Flat	2	1	Job Reference (optional)

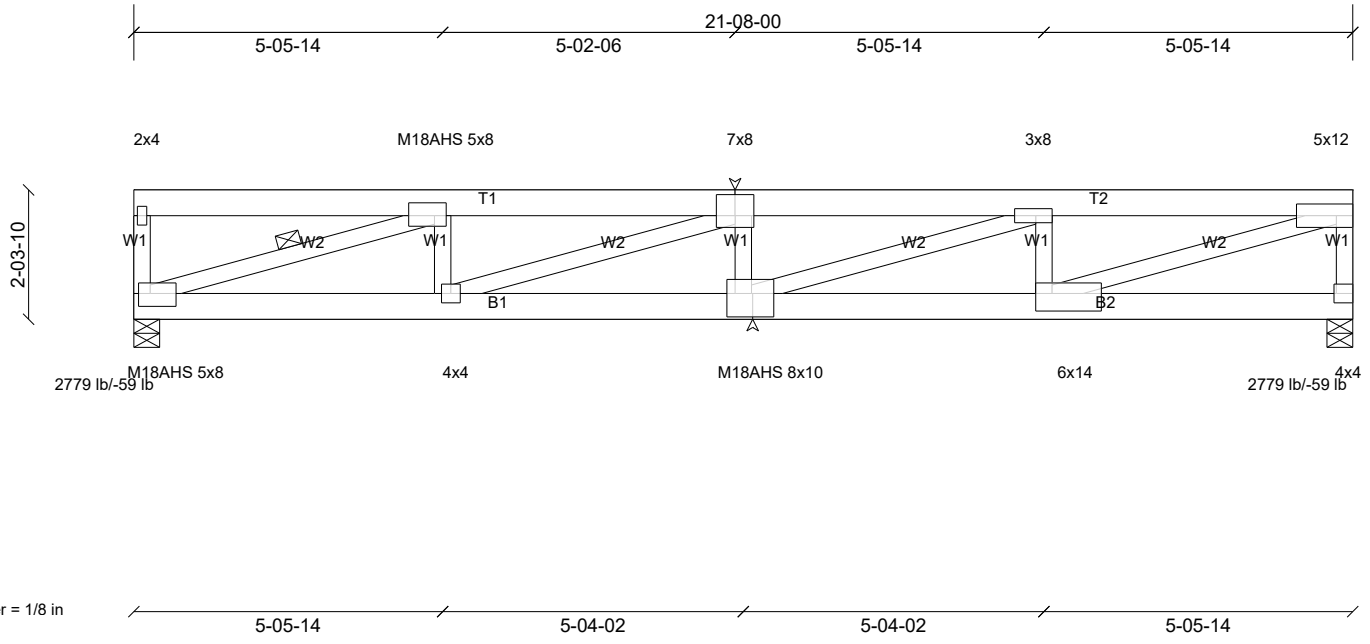


Plate Offsets (X, Y): [2:2-08,2-12], [3:4-00,4-08], [4:3-08,1-08], [6:Edge,3-08], [7:3-08,3-12], [8:4-08,5-00], [10:2-08,2-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.42	8	>608	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.55	8	>467	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 143 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-10

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

REACTIONS (size) 6=5-08, (min. 3-04), 10=5-08, (min. 2-05)
Max Uplift 6=-59 (LC 13), 10=-59 (LC 13)
Max Grav 6=2779 (LC 2), 10=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-6211/585, 3-11=-6211/585, 3-12=-8047/755, 4-12=-8047/755, 4-5=-6239/591
BOT CHORD 9-10=-585/6211, 8-9=-774/8136, 7-8=-591/6239
WEBS 1-10=-546/81, 5-6=-2694/284, 4-7=-2078/280, 2-9=0/743, 2-10=-6570/619, 3-8=-533/118, 3-9=-2042/200, 4-8=-174/1919, 5-7=-625/6599

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 10 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB09	Flat Girder	2	3	Job Reference (optional)

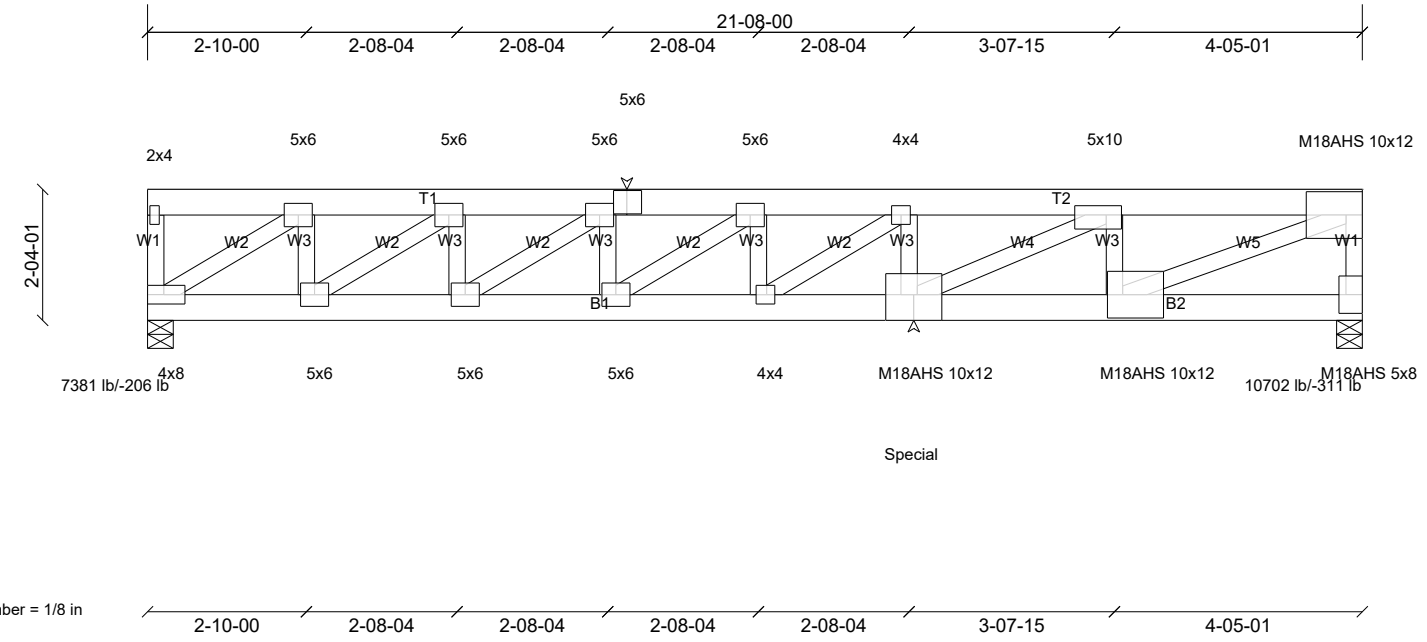


Plate Offsets (X, Y): [1:2-00,0-08], [5:2-14,2-08], [8:3-04,2-00], [10:Edge,3-08], [11:3-04,5-00], [12:6-00,Edge], [13:1-12,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.47	12-13	>541	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.62	12-13	>417	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 452 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T2:2x6 SP 2400F 2.0E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W1,W4:2x4 SP No.1, W5:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 10=5-08, (min. 2-15), 17=5-08, (min. 2-01)
Max Horiz 17=-48 (LC 11)
Max Uplift 10=-311 (LC 13), 17=-206 (LC 13)
Max Grav 10=10702 (LC 2), 17=7381 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-402/51, 1-2=-255/42, 2-3=-9900/552, 3-4=-18768/981, 4-5=-26675/1318, 5-18=-26675/1318, 6-18=-26675/1318, 6-19=-33765/1568, 7-19=-33765/1568, 7-8=-38591/1694, 8-9=-22803/1064, 9-10=-10484/529
BOT CHORD 16-17=-588/9900, 15-16=-1016/18768, 14-15=-1354/26675, 13-14=-1602/33765, 12-13=-1717/38443, 11-12=-1072/22803, 10-11=-41/437
WEBS 9-11=-1126/24432, 7-12=-207/3334, 8-12=-728/17832, 8-11=-9493/506, 7-13=-5709/223, 2-16=-259/6089, 2-17=-11769/638, 3-16=-10822/537, 3-15=-214/5604, 4-15=-9649/426, 4-14=-145/4901, 6-14=-8651/317, 6-13=-113/3906

NOTES
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 7-12 2x4 - 2 rows staggered at 4-00 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) The Fabrication Tolerance at joint 12 = 4%
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 17 and 311 lb uplift at joint 10.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 12526 lb down and 399 lb up at 13-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-9=-64, 10-17=-20
Concentrated Loads (lb)
Vert: 12=-4092

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB10	Flat	2	1	Job Reference (optional)

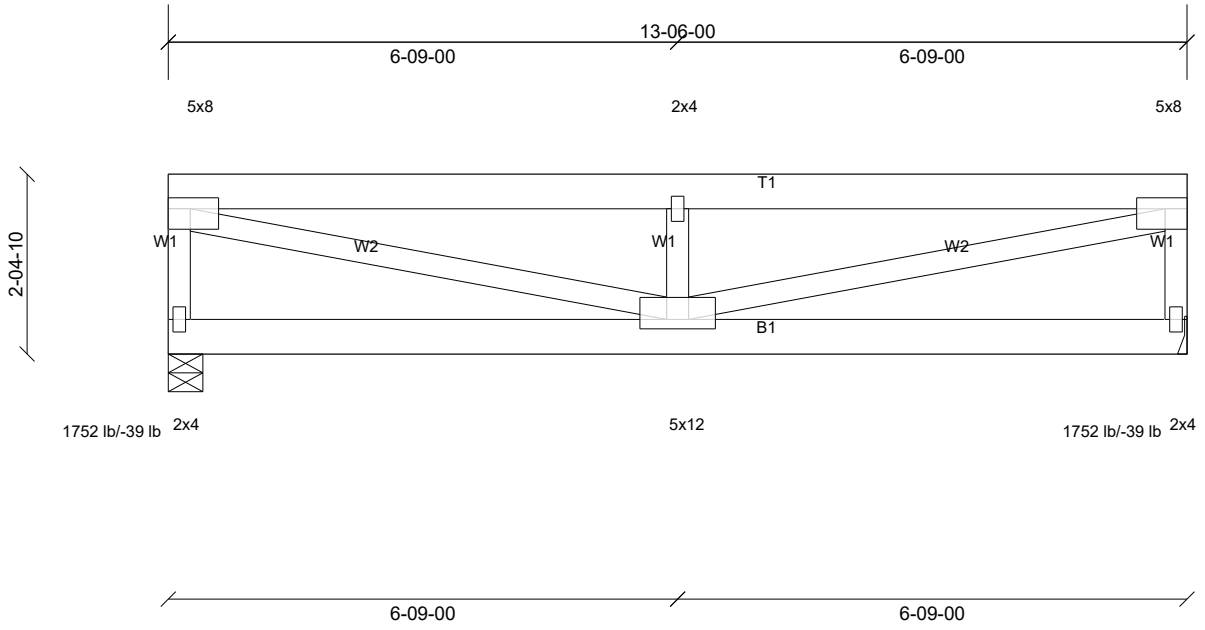


Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.16	5	>966	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.21	5	>744	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-01)
Max Uplift 4=-39 (LC 13), 6=-39 (LC 13)
Max Grav 4=1752 (LC 2), 6=1752 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3423/456, 2-7=-3423/456, 2-8=-3423/456, 3-8=-3423/456
WEBS 1-6=-1665/260, 3-4=-1665/260, 2-5=-1944/382, 1-5=-495/3690, 3-5=-495/3690

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB11	Flat	2	1	Job Reference (optional)

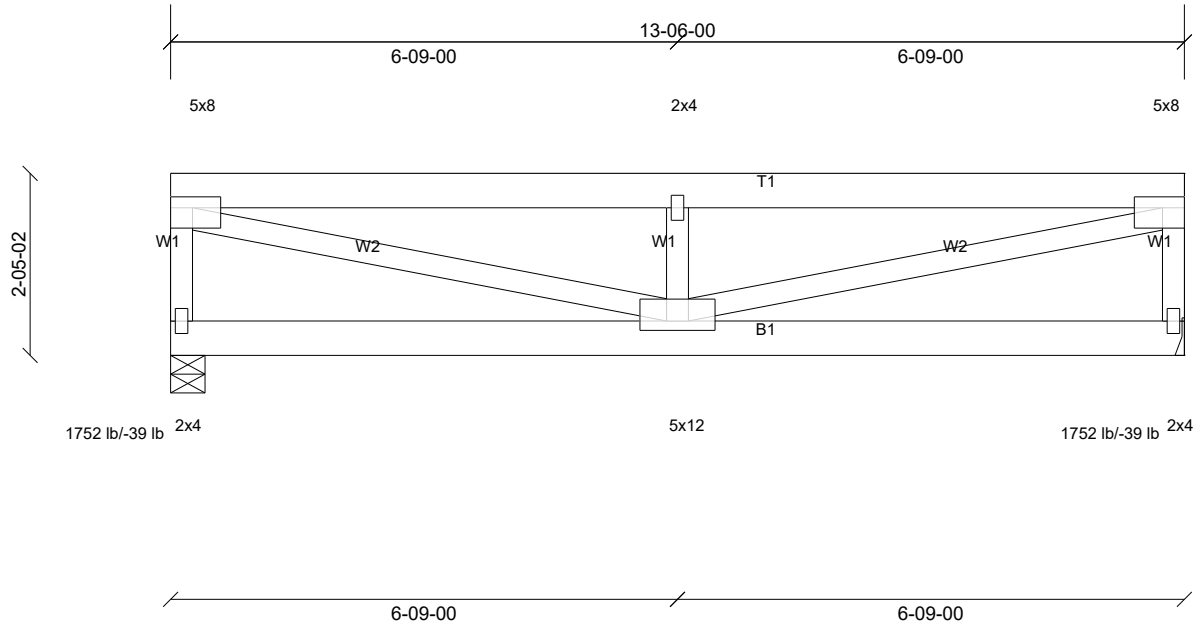


Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.16	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.20	5	>773	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-01)
Max Uplift 4=-39 (LC 13), 6=-39 (LC 13)
Max Grav 4=1752 (LC 2), 6=1752 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3360/448, 2-7=-3360/448, 2-8=-3360/448, 3-8=-3360/448
WEBS 1-6=-1666/260, 3-4=-1666/260, 2-5=-1947/382, 1-5=-486/3628, 3-5=-486/3628

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 39 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB12	Flat	2	1	Job Reference (optional)

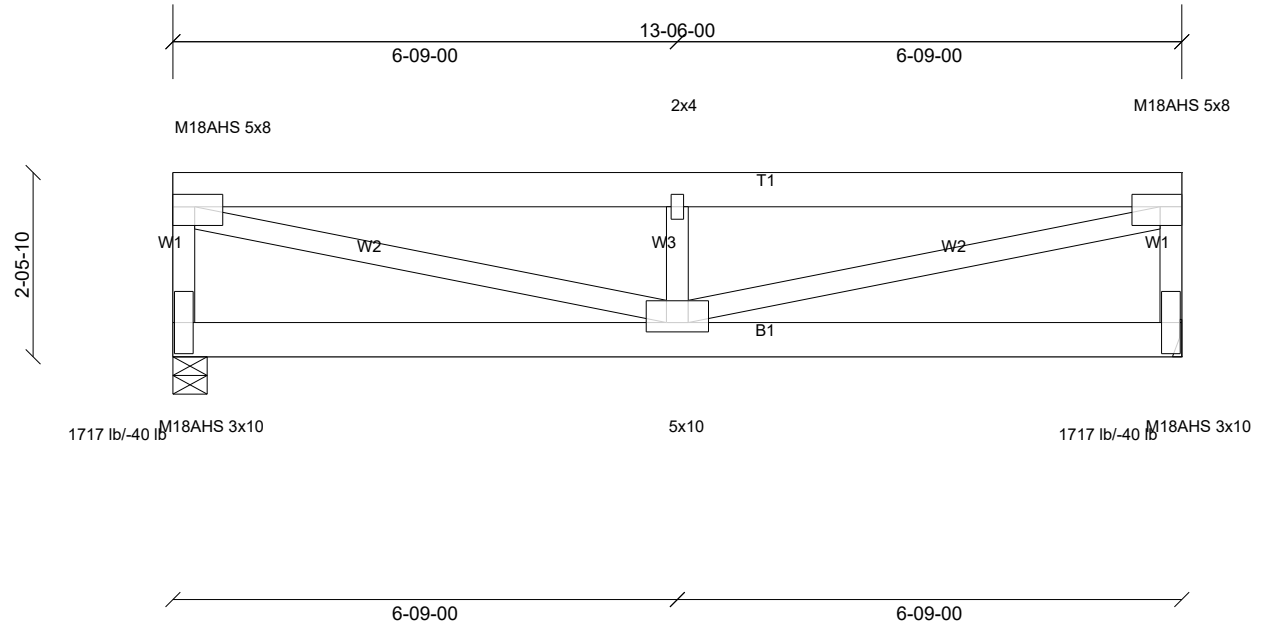


Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.17	5	>911	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

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

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-51 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1602/258, 1-7=-3196/430, 2-7=-3196/430, 2-8=-3196/430, 3-8=-3196/430, 3-4=-1602/258
WEBS 1-5=-439/3127, 2-5=-1784/353, 3-5=-440/3127

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB13	Flat	2	1	Job Reference (optional)

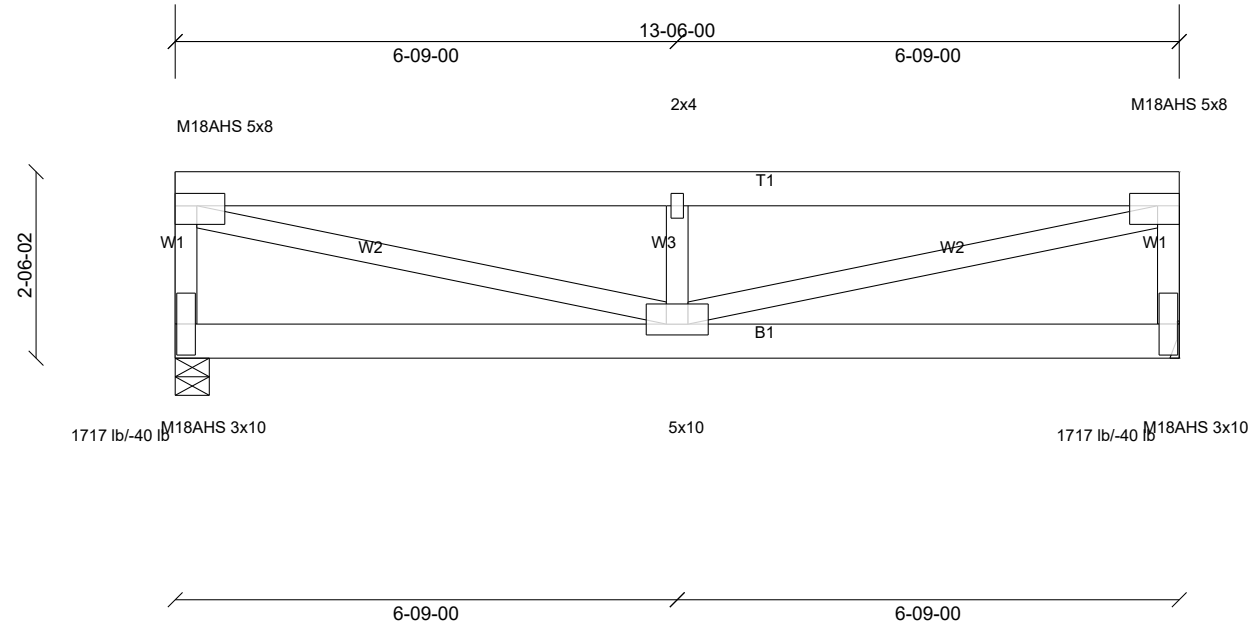


Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.17	5	>943	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-52 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1604/259, 1-7=-3141/423, 2-7=-3141/423, 2-8=-3141/423, 3-8=-3141/423, 3-4=-1604/259
WEBS 1-5=-434/3083, 2-5=-1789/354, 3-5=-435/3083

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB14	Flat	2	1	Job Reference (optional)

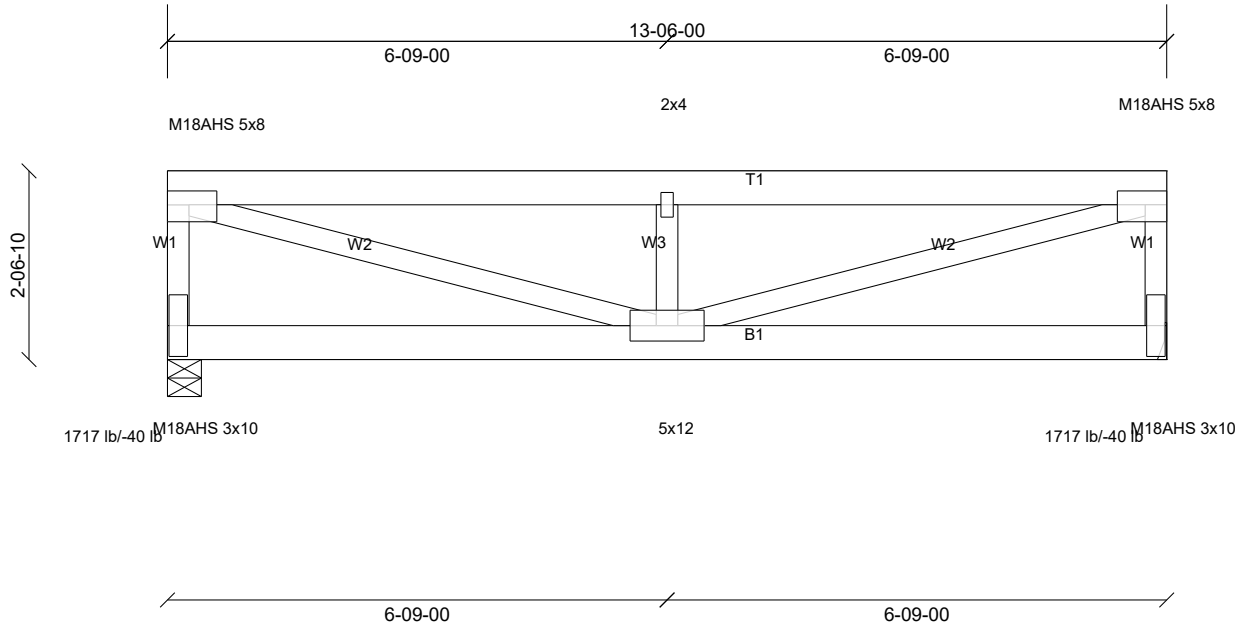


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.13	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.16	5	>972	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-53 (LC 9)
Max Uplift 4=-40 (LC 10), 6=-40 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1606/259, 1-7=-3087/415, 2-7=-3087/415, 2-8=-3087/415, 3-8=-3087/415, 3-4=-1606/259
WEBS 1-5=-429/3041, 2-5=-1794/355, 3-5=-430/3041

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB15	Flat	2	1	Job Reference (optional)

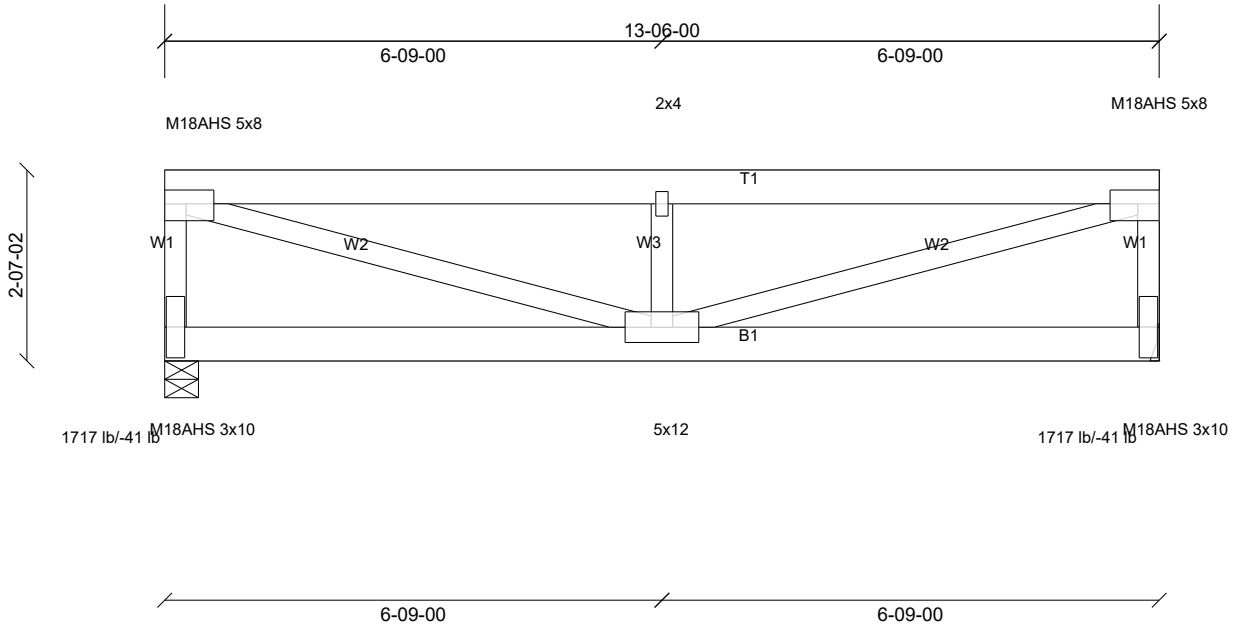


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.16	5	>999	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-54 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1608/260, 1-7=-3035/409, 2-7=-3035/409, 2-8=-3035/409, 3-8=-3035/409, 3-4=-1608/260
WEBS 1-5=-424/2999, 2-5=-1798/355, 3-5=-425/2999

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB16	Flat	2	1	Job Reference (optional)

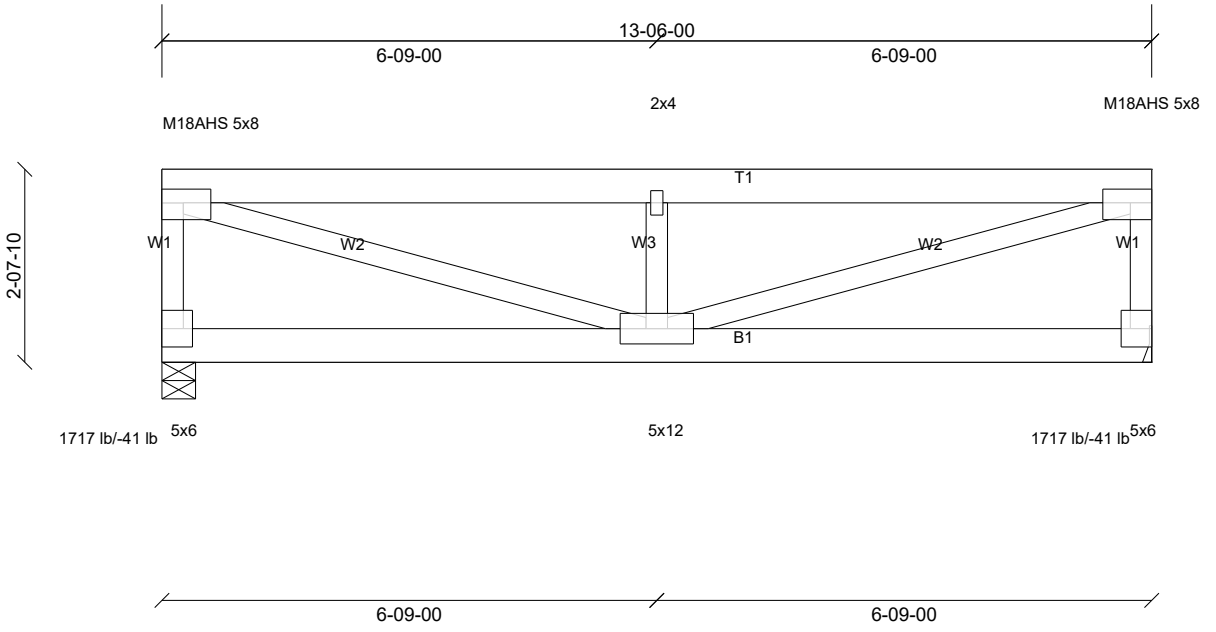


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.15	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-55 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1610/260, 1-7=-2984/402, 2-7=-2984/402, 2-8=-2984/402, 3-8=-2984/402, 3-4=-1610/260
WEBS 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB17	Roof Special	3	1	Job Reference (optional)

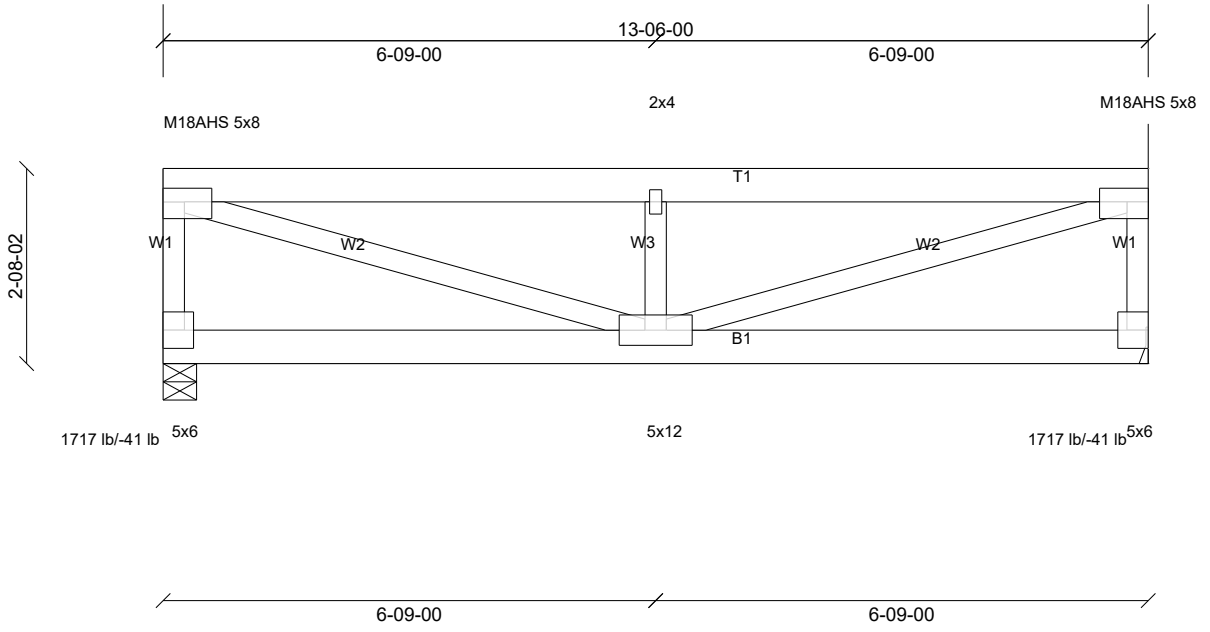


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.15	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-56 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1611/261, 1-7=-2935/396, 2-7=-2935/396, 2-8=-2935/396, 3-8=-2935/396, 3-4=-1611/261
WEBS 1-5=-414/2920, 2-5=-1806/356, 3-5=-416/2920

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB18	Roof Special	1	1	Job Reference (optional)

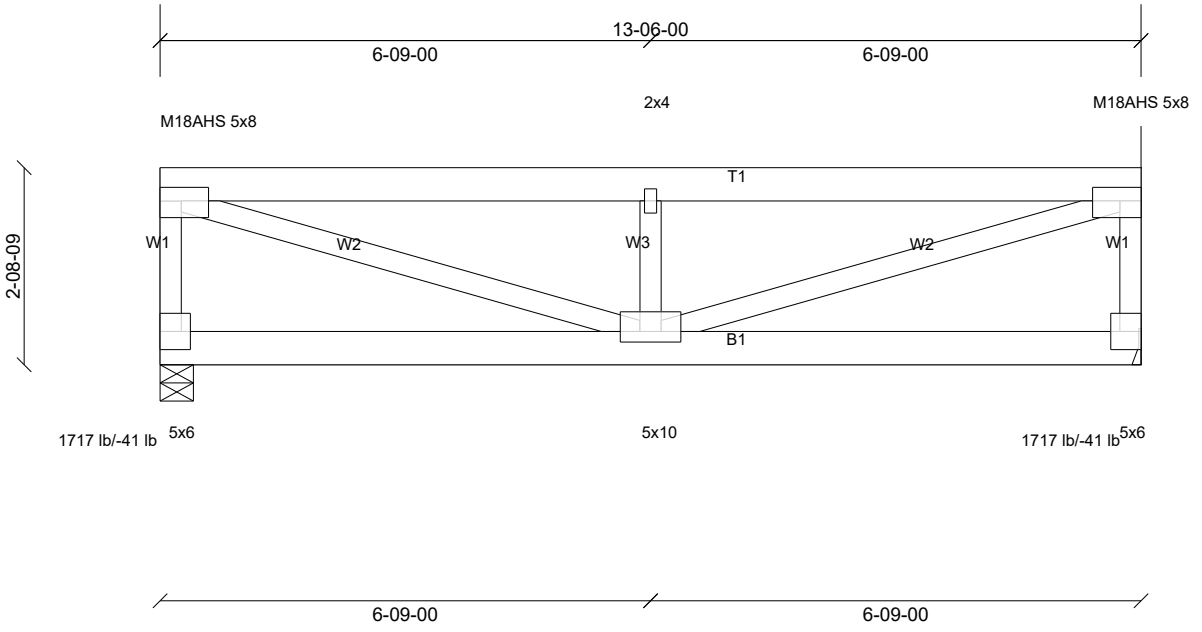


Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08], [5:5-00,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.11	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.14	5	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 91 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except* W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Horiz 6=-57 (LC 9)
Max Uplift 4=-41 (LC 10), 6=-41 (LC 9)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

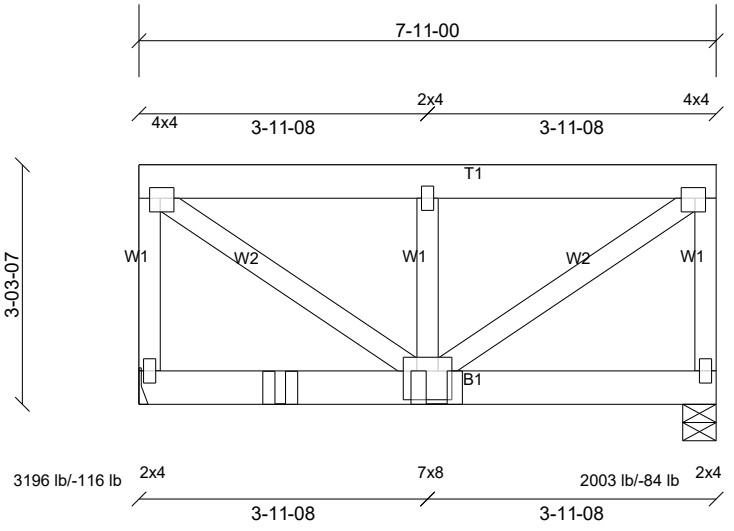
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1613/261, 1-7=-2891/390, 2-7=-2891/390, 2-8=-2891/390, 3-8=-2891/390, 3-4=-1613/261
WEBS 1-5=-410/2884, 2-5=-1809/357, 3-5=-411/2884

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 6 and 41 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB19	Flat Girder	2	2	Job Reference (optional)



HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,1-12], [3:1-12,1-12], [5:4-00,4-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.07	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 120 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 4=5-08, (min. 1-08), 6= Mechanical, (min. 1-08)
Max Horiz 6=-72 (LC 9)
Max Uplift 4=-84 (LC 10), 6=-116 (LC 9)
Max Grav 4=2003 (LC 2), 6=3196 (LC 2)

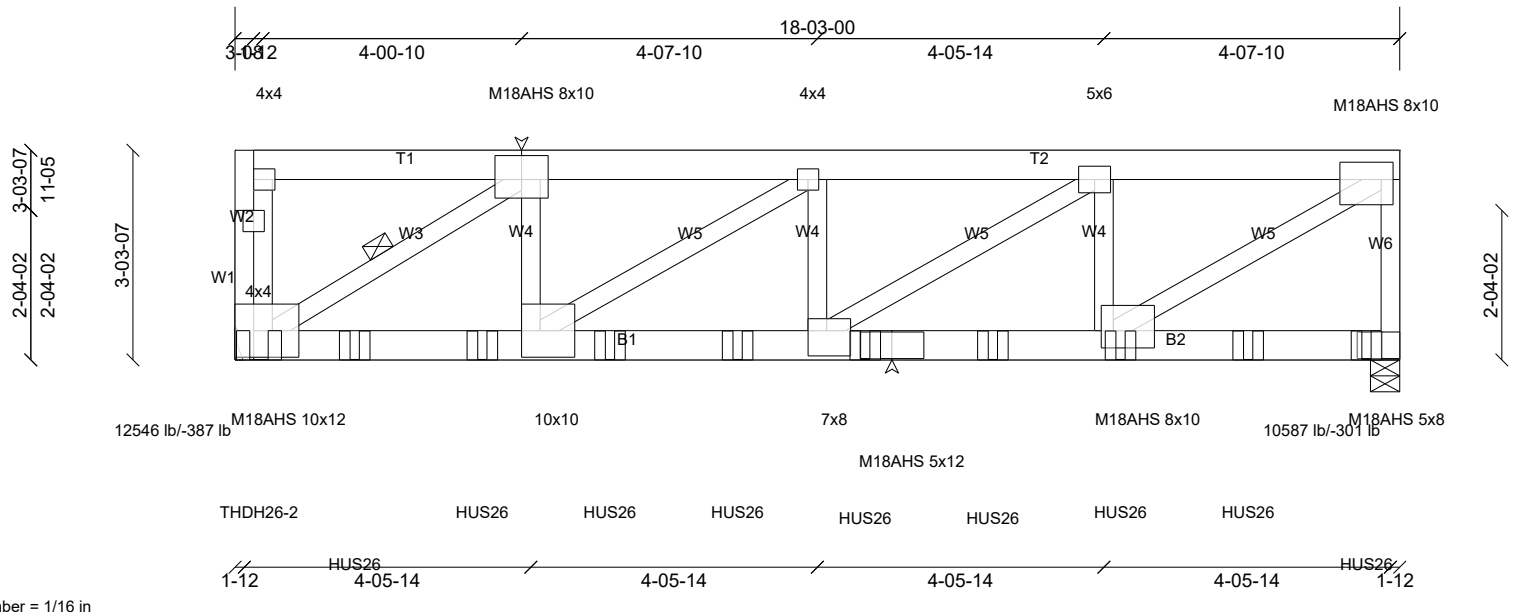
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-2109/266, 1-2=-2644/213, 2-3=-2644/213, 3-4=-2109/266
WEBS 1-5=-298/3292, 2-5=-163/292, 3-5=-298/3292

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 2-5 2x4 - 1 row at 2-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 6 and 84 lb uplift at joint 4.
9) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 1-11-4 from the left end to connect truss(es) RB21 (1 ply 2x6 SP) to back face of bottom chord.
10) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 4-1-0 from the left end to connect truss(es) RB22 (2 ply 2x6 SP) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-44, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-744, 7=-712

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB20	Flat Girder	2	2	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [2:5-00,4-08], [5:2-04,3-04], [6:4-08,2-08], [7:2-04,3-04], [9:3-08,4-12], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.24	9-10	>902	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.31	9-10	>697	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 267 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.1 *Except* W1,W2:2x4 SP No.3, W5:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

REACTIONS (size) 6=5-08, (min. 2-06), 11= Mechanical, (min. 1-08)
Max Horiz 11=72 (LC 10)
Max Uplift 6=-301 (LC 13), 11=-387 (LC 13)
Max Grav 6=10587 (LC 2), 11=12546 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-576/78, 1-12=-526/73, 1-2=-406/62, 2-13=-12358/620, 3-13=-12358/620, 3-14=-16330/805, 4-14=-16330/805, 4-5=-12469/633, 5-6=-8287/465
BOT CHORD 11-15=-665/12019, 15-16=-665/12019, 10-16=-665/12019, 10-17=-858/16330, 17-18=-858/16330, 9-18=-858/16330, 9-19=-652/12469, 8-19=-652/12469, 8-20=-652/12469, 7-20=-652/12469
WEBS 5-7=-726/14480, 2-10=-191/6577, 2-11=-13857/694, 3-10=-4694/258, 3-9=-70/1393, 4-9=-243/4562, 4-7=-3474/325

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc,
Except member 4-7 2x4 - 1 row at 3-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 6 and 387 lb uplift at joint 11.
11) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 0-4-8 from the left end to connect truss(es) RB19 (2 ply 2x6 SP) to front face of bottom chord.
12) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-8 from the left end to 17-8-12 to connect truss(es) RB10 (1 ply 2x6 SP), RB11 (1 ply 2x6 SP), RB12 (1 ply 2x6 SP), RB13 (1 ply 2x6 SP), RB14 (1 ply 2x6 SP), RB15 (1 ply 2x6 SP), RB16 (1 ply 2x6 SP), RB17 (1 ply 2x6 SP), RB18 (1 ply 2x6 SP) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-64, 6-11=-20
Concentrated Loads (lb)
Vert: 7=-534, 11=-1148, 15=-543, 16=-543, 17=-534, 18=-534, 19=-534, 20=-534, 21=-534, 22=-540

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB21	Flat	2	1	Job Reference (optional)

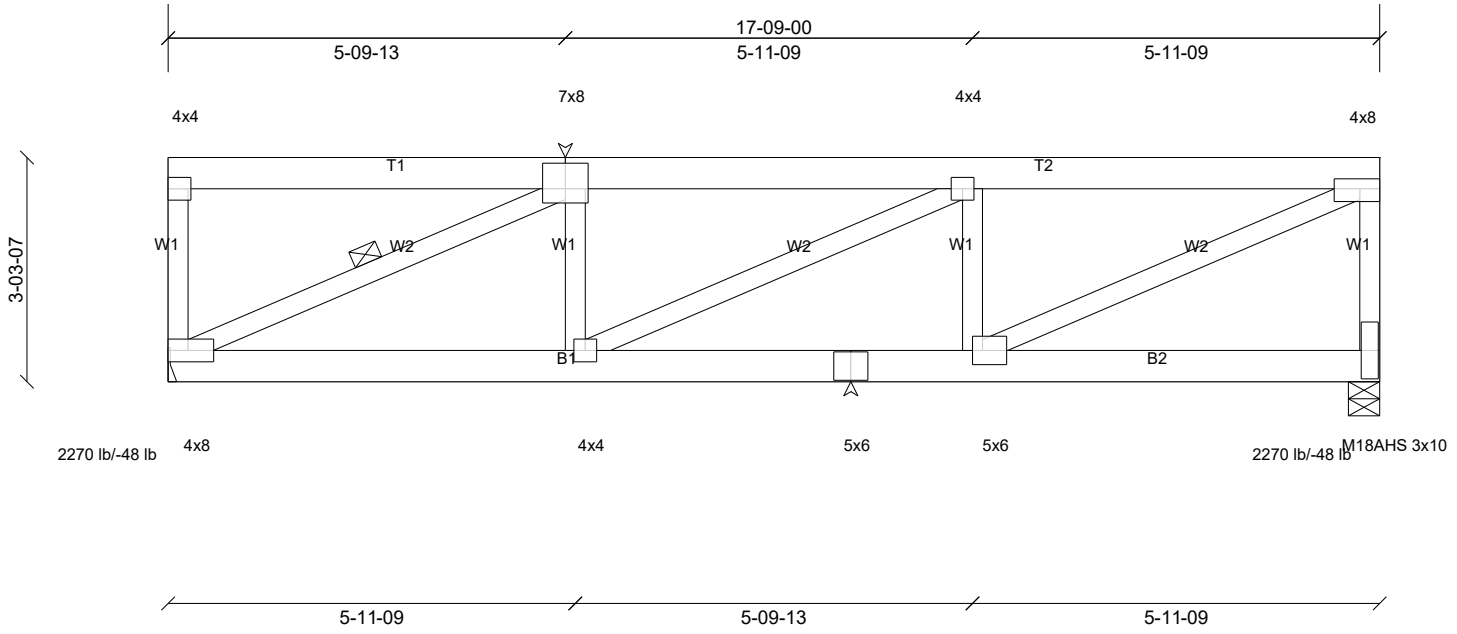


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.14	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.18	6-8	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9

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

REACTIONS (size) 5=5-08, (min. 2-11), 9= Mechanical, (min. 1-08)
Max Horiz 9=72 (LC 12)
Max Uplift 5=-48 (LC 13), 9=-48 (LC 13)
Max Grav 5=2270 (LC 2), 9=2270 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-585/100, 2-3=-3302/382, 3-11=-3341/389, 4-11=-3341/389, 4-5=-2189/286
BOT CHORD 8-9=-439/3296, 7-8=-419/3341, 6-7=-419/3341
WEBS 4-6=-427/3624, 2-9=-3601/427, 3-6=-1491/268

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 9 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB22	Flat Girder	2	2	Job Reference (optional)

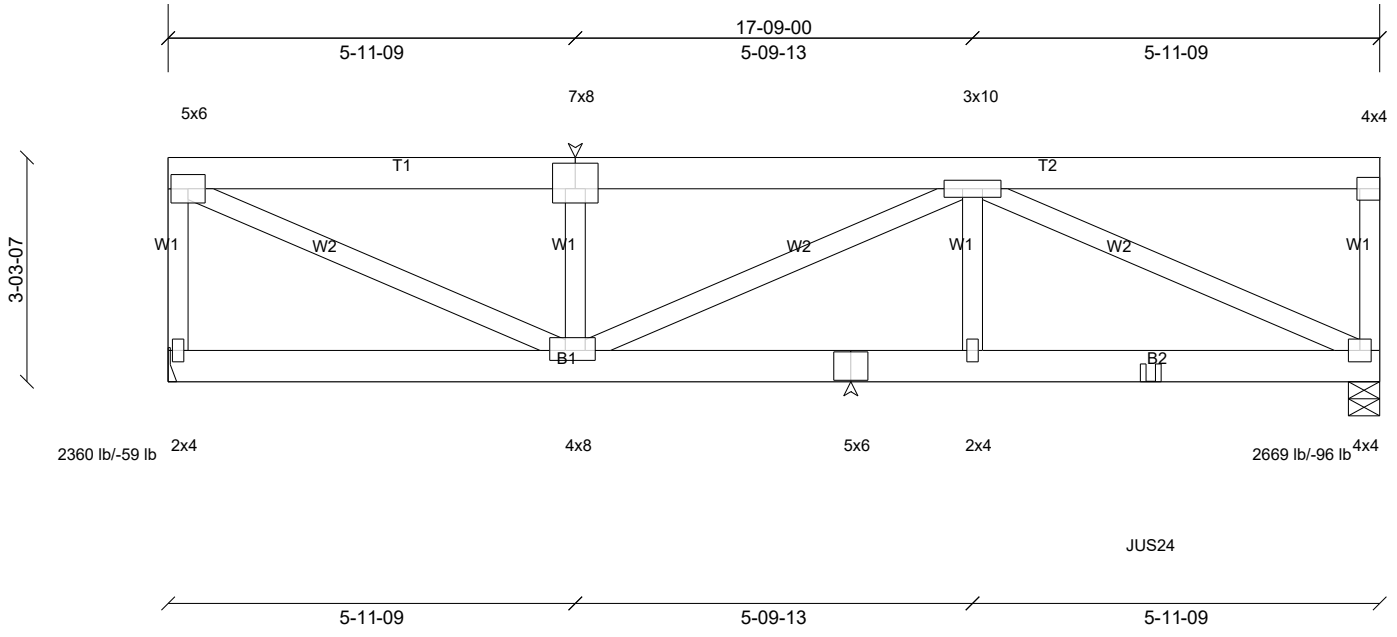


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,3-08], [8:2-12,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.08	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.10	5-6	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 248 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 5=5-08, (min. 1-09), 9= Mechanical, (min. 1-08)
Max Horiz 9=-72 (LC 9)
Max Uplift 5=-96 (LC 13), 9=-59 (LC 13)
Max Grav 5=2669 (LC 2), 9=2360 (LC 2)

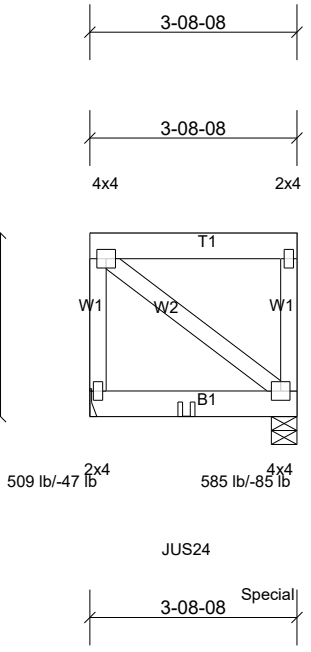
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-2263/294, 1-10=-3485/405, 2-10=-3485/405, 2-3=-3485/405, 4-5=-618/104
BOT CHORD 7-8=-471/3777, 6-7=-471/3777, 6-12=-471/3777, 5-12=-471/3777
WEBS 1-8=-443/3773, 2-8=-1483/256, 3-8=-325/67, 3-6=0/445, 3-5=-4068/479

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 9-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 9 and 96 lb uplift at joint 5.
9) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 14-4-12 from the left end to connect truss(es) RB23 (1 ply 2x6 SP) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-64, 5-9=-20
Concentrated Loads (lb)
Vert: 12=-173

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB23	Flat Girder	2	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	3-4	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 30 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Uplift 3=-85 (LC 9), 4=-47 (LC 9)
Max Grav 3=585 (LC 2), 4=509 (LC 2)

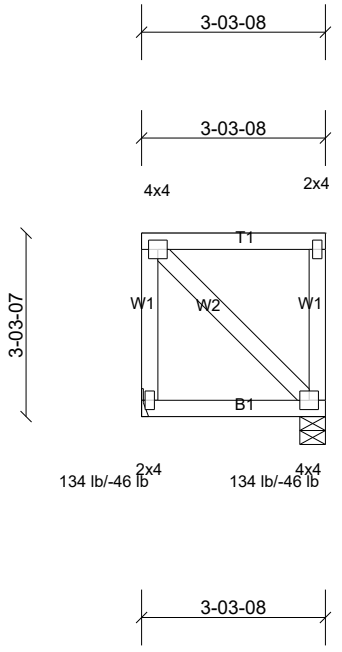
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-4=-410/112, 2-3=-410/112

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4 and 85 lb uplift at joint 3.
6) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 1-8-12 from the left end to connect truss(es) RB24 (1 ply 2x4 SP) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 54 lb up at 3-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-64, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-76, 6=-82

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB24	Flat	4	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 24 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Horiz 4=-76 (LC 9)
Max Uplift 3=-46 (LC 10), 4=-46 (LC 9)
Max Grav 3=134 (LC 22), 4=134 (LC 23)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4 and 46 lb uplift at joint 3.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC01	Flat	1	1	Job Reference (optional)

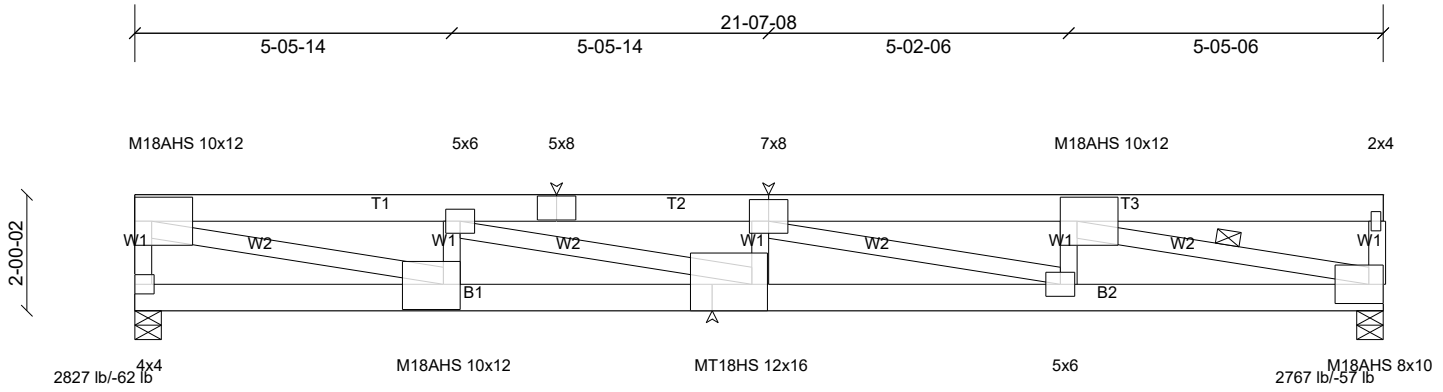


Plate Offsets (X, Y): [4:4-00,4-08], [5:3-08,5-00], [10:3-04,Edge], [11:3-08,5-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.59	9	>440	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.76	9	>338	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.09	7	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 5-7

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

REACTIONS (size) 7=5-08, (min. 2-05), 12=5-08, (min. 2-05)
Max Uplift 7=-57 (LC 13), 12=-62 (LC 13)
Max Grav 7=2767 (LC 2), 12=2827 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7334/695, 2-3=-9578/903, 3-13=-9578/903, 4-13=-9578/903, 4-14=-7395/698, 5-14=-7395/698
BOT CHORD 11-12=-255/27, 10-11=-695/7334, 9-10=-695/7334, 8-9=-914/9628, 7-8=-698/7395
WEBS 1-12=-2727/289, 6-7=-564/83, 2-11=-2105/285, 1-11=-751/7887, 4-9=-534/118, 5-8=0/714, 5-7=-7649/720, 4-8=-2331/225, 2-9=-216/2337

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 12 and 57 lb uplift at joint 7.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC02	Flat	1	1	Job Reference (optional)

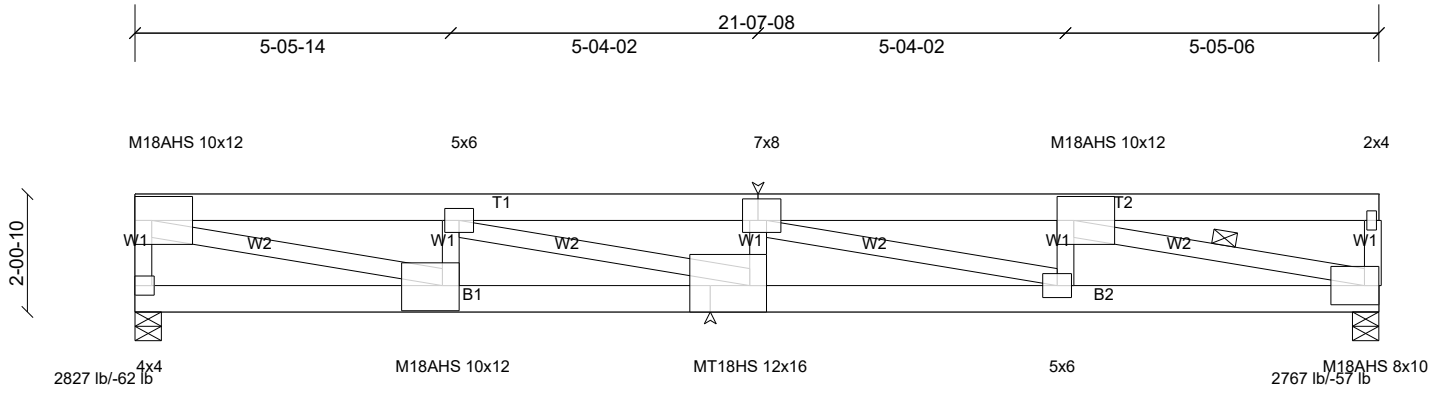


Plate Offsets (X, Y): [3:3-04,4-08], [4:3-08,5-00], [9:3-08,Edge], [10:3-08,5-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.56	8	>459	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.73	8	>354	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 140 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Uplift 6=-57 (LC 13), 11=-62 (LC 13)
Max Grav 6=2767 (LC 2), 11=2827 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7158/678, 2-12=-9399/889, 3-12=-9399/889, 3-13=-7243/685, 4-13=-7243/685
BOT CHORD 9-10=-678/7158, 8-9=-678/7158, 7-8=-889/9399, 6-7=-685/7243
WEBS 1-11=-2730/290, 5-6=-556/82, 2-10=-2102/285, 1-10=-733/7712, 3-8=-552/121, 4-7=0/695, 4-6=-7508/708, 3-7=-2250/213, 2-8=-220/2339

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 11 and 57 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC03	Flat	1	1	Job Reference (optional)

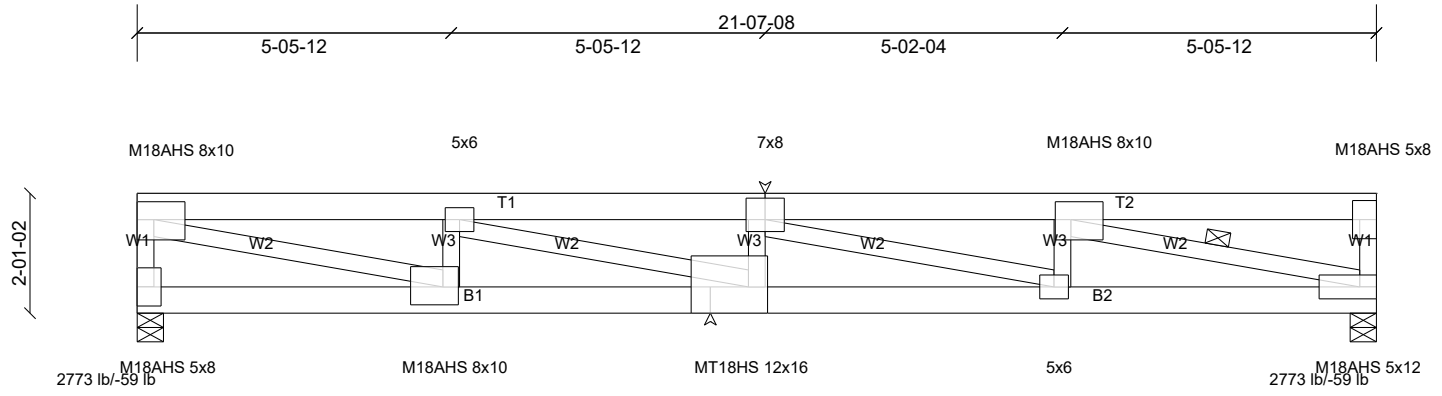


Plate Offsets (X, Y): [1:Edge,3-12], [3:4-00,4-08], [4:3-04,3-12], [5:Edge,3-08], [9:4-00,Edge], [10:3-04,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.51	8	>505	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.66	8	>388	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-41 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2773 (LC 2), 11=2773 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2630/282, 1-2=-6876/665, 2-12=-9030/856, 3-12=-9030/856, 3-13=-6852/662, 4-13=-6852/662, 4-5=-281/51, 5-6=-618/90
BOT CHORD 10-11=-82/283, 9-10=-695/6876, 8-9=-695/6876, 7-8=-896/9077, 6-7=-672/6852
WEBS 4-6=-6871/658, 2-10=-2012/277, 1-10=-662/6895, 2-8=-219/2252, 3-8=-534/123, 3-7=-2333/235, 4-7=0/707

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC04	Flat	1	1	Job Reference (optional)

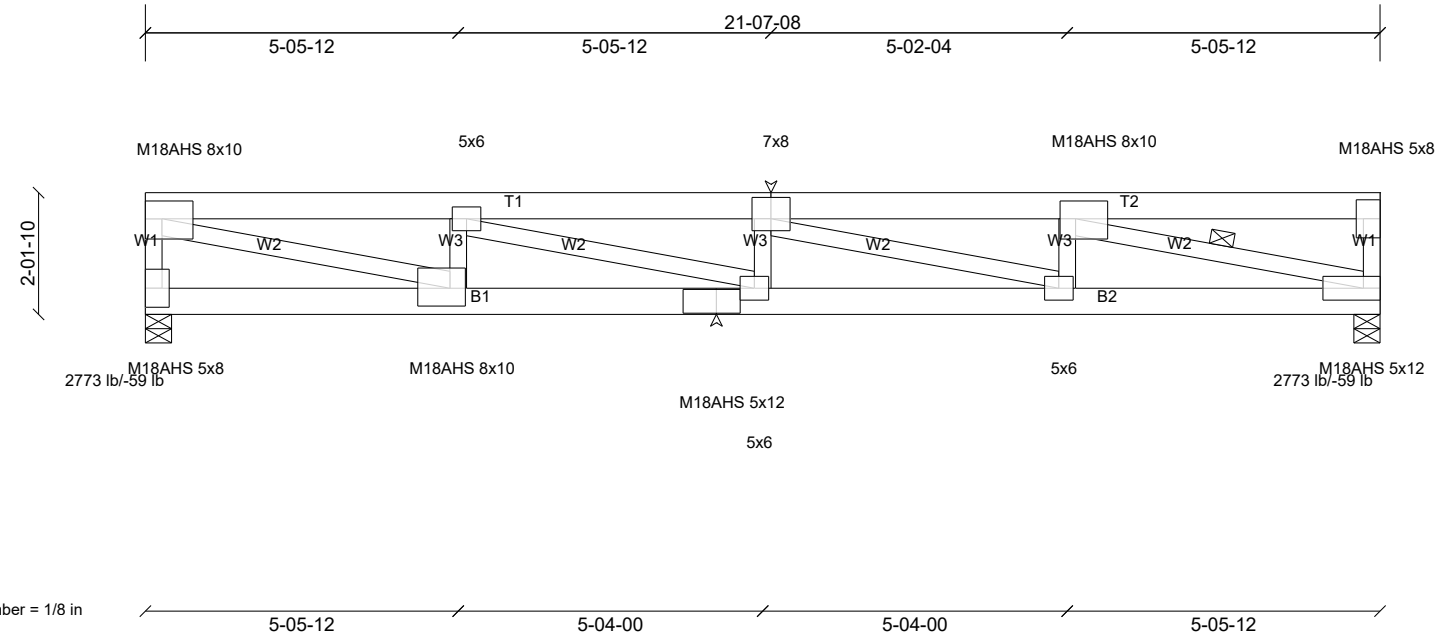


Plate Offsets (X, Y): [1:Edge,3-12], [3:4-00,4-08], [4:3-04,3-12], [5:Edge,3-08], [9:5-00,2-08], [10:3-04,3-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.48	8	>529	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.63	8	>406	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 2-05)
Max Horiz 11=-43 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2773 (LC 2), 11=2773 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2634/282, 1-2=-6721/650, 2-12=-8819/836, 3-12=-8819/836, 3-13=-6698/648, 4-13=-6698/648, 4-5=-264/50, 5-6=-614/90
BOT CHORD 10-11=-81/266, 9-10=-682/6721, 8-9=-682/6721, 7-8=-877/8865, 6-7=-658/6698
WEBS 4-6=-6743/646, 2-10=-2016/277, 1-10=-650/6766, 2-8=-215/2199, 3-8=-534/123, 3-7=-2278/230, 4-7=0/710

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC05	Flat	1	1	Job Reference (optional)

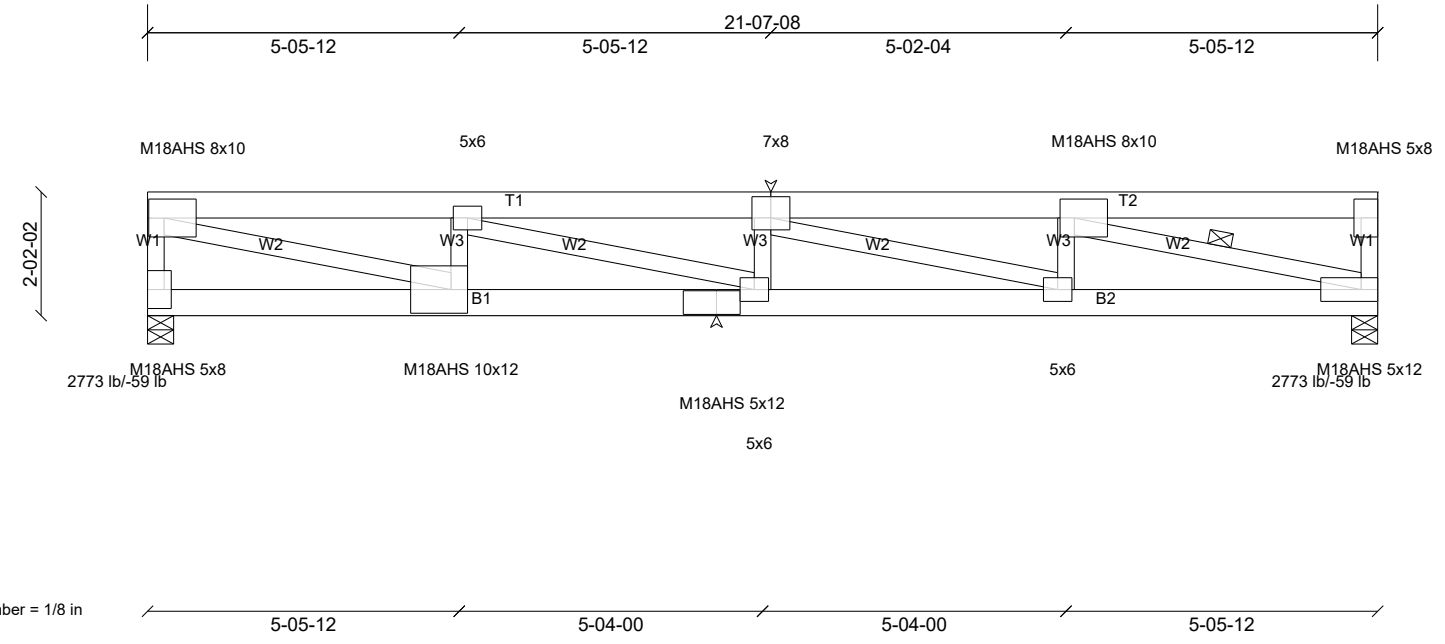


Plate Offsets (X, Y): [1:3-04,4-00], [3:4-00,4-08], [4:3-00,4-00], [5:Edge,3-08], [9:5-00,2-08], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.47	8	>544	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.61	8	>418	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-44 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2773 (LC 2), 11=2773 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2649/284, 1-2=-6589/638, 2-12=-8634/818, 3-12=-8634/818, 3-13=-6547/634, 4-13=-6547/634, 5-6=-610/89
BOT CHORD 9-10=-671/6589, 8-9=-671/6589, 7-8=-860/8679, 6-7=-645/6547
WEBS 4-6=-6615/634, 2-10=-2011/277, 1-10=-642/6665, 2-8=-209/2148, 3-8=-532/123, 3-7=-2246/226, 4-7=0/714

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC06	Flat	1	1	Job Reference (optional)

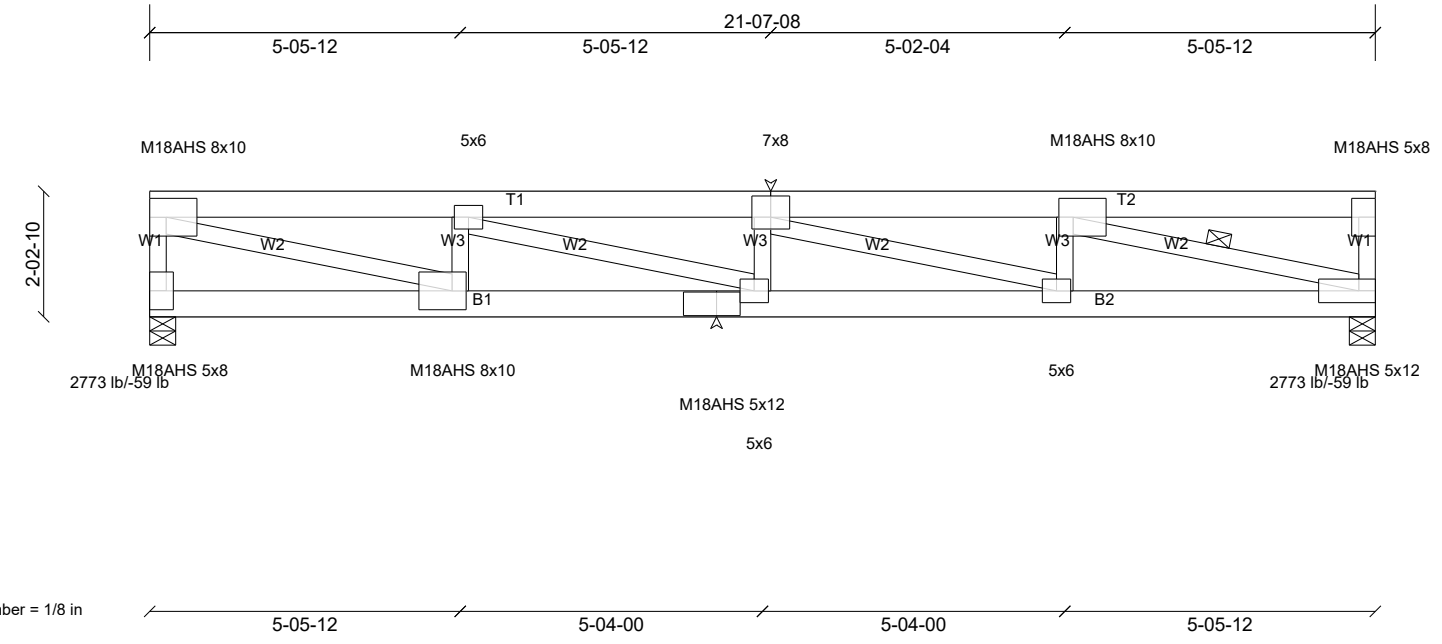


Plate Offsets (X, Y): [3:4-00,4-08], [4:3-00,4-00], [5:Edge,3-08], [9:5-00,2-08], [10:3-00,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.45	8	>568	240	M18AHS	186/179
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.59	8	>437	180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.09	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP 2400F 2.0E *Except* W1:2x4 SP No.1, W3:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Horiz 11=-45 (LC 9)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2773 (LC 2), 11=2773 (LC 2)

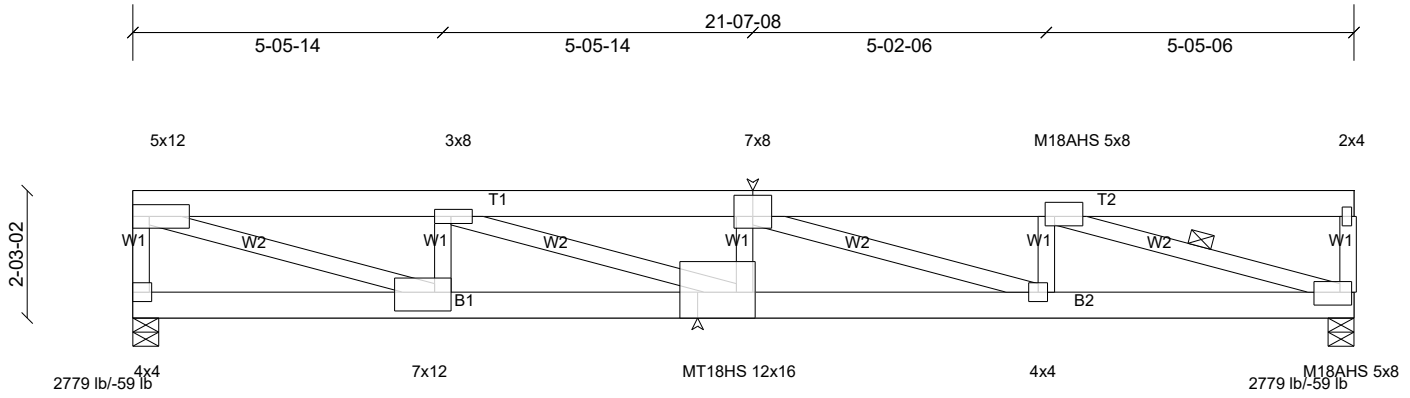
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2652/285, 1-2=-6446/625, 2-12=-8440/800, 3-12=-8440/800, 3-13=-6405/621, 4-13=-6405/621, 5-6=-607/89
BOT CHORD 9-10=-658/6446, 8-9=-658/6446, 7-8=-842/8484, 6-7=-632/6405
WEBS 4-6=-6497/624, 2-10=-2015/277, 1-10=-631/6544, 2-8=-205/2099, 3-8=-532/123, 3-7=-2195/222, 4-7=0/717

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC07	Flat	1	1	Job Reference (optional)



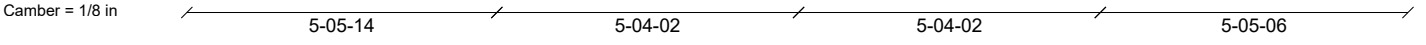


Plate Offsets (X, Y): [2:3-08,1-08], [3:4-00,4-08], [4:2-00,3-00], [6:2-08,2-12], [9:4-00,Edge], [10:3-08,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.44	8	>583	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.57	8-10	>448	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 8-10.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6383/605, 2-12=-8267/779, 3-12=-8267/779, 3-13=-6345/600, 4-13=-6345/600
BOT CHORD 9-10=-605/6383, 8-9=-605/6383, 7-8=-789/8310, 6-7=-600/6345
WEBS 1-11=-2694/284, 5-6=-547/81, 2-10=-2071/281, 1-10=-638/6736, 3-8=-526/118, 4-7=0/740, 4-6=-6695/633, 3-7=-2079/200, 2-8=-184/1988

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC08	Flat	1	1	Job Reference (optional)

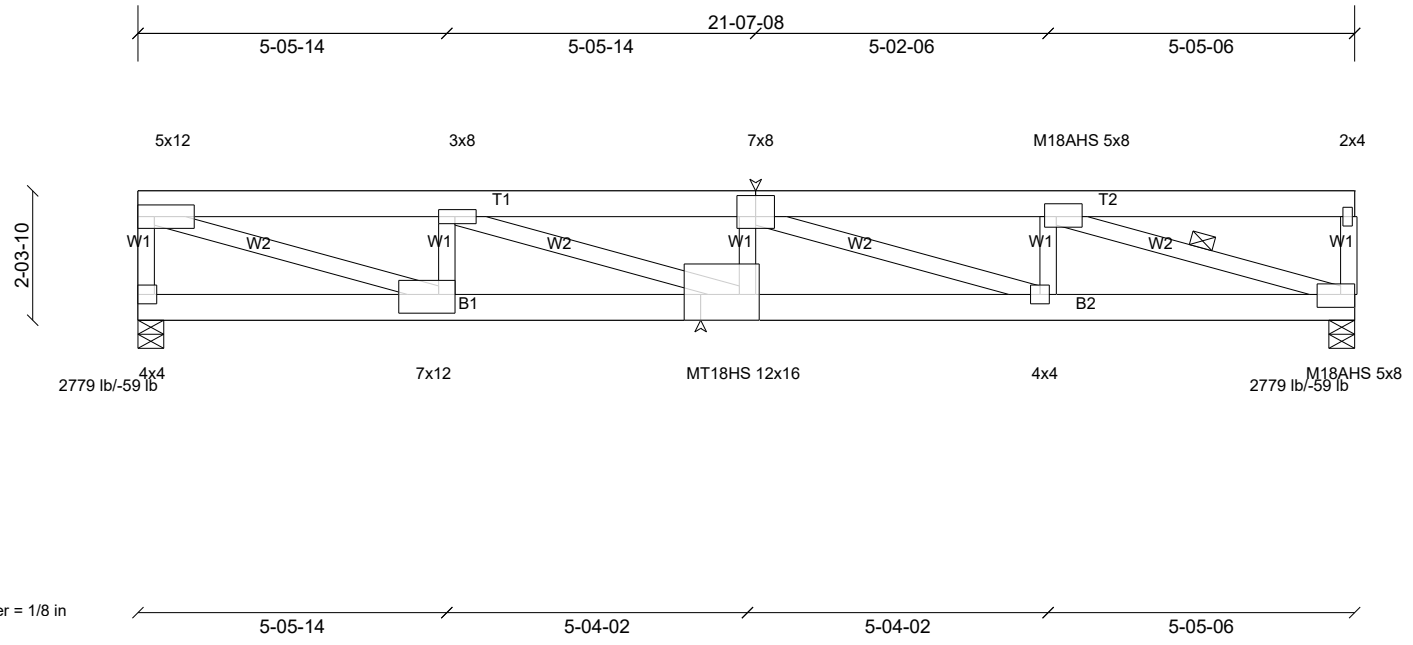


Plate Offsets (X, Y): [2:3-08,1-08], [3:4-00,4-08], [4:2-08,2-12], [6:Edge,2-12], [9:4-04,Edge], [10:3-08,4-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.42	8	>608	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.55	8	>467	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2:2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W2:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

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

REACTIONS (size) 6=5-08, (min. 2-05), 11=5-08, (min. 3-04)
Max Uplift 6=-59 (LC 13), 11=-59 (LC 13)
Max Grav 6=2779 (LC 2), 11=2779 (LC 2)

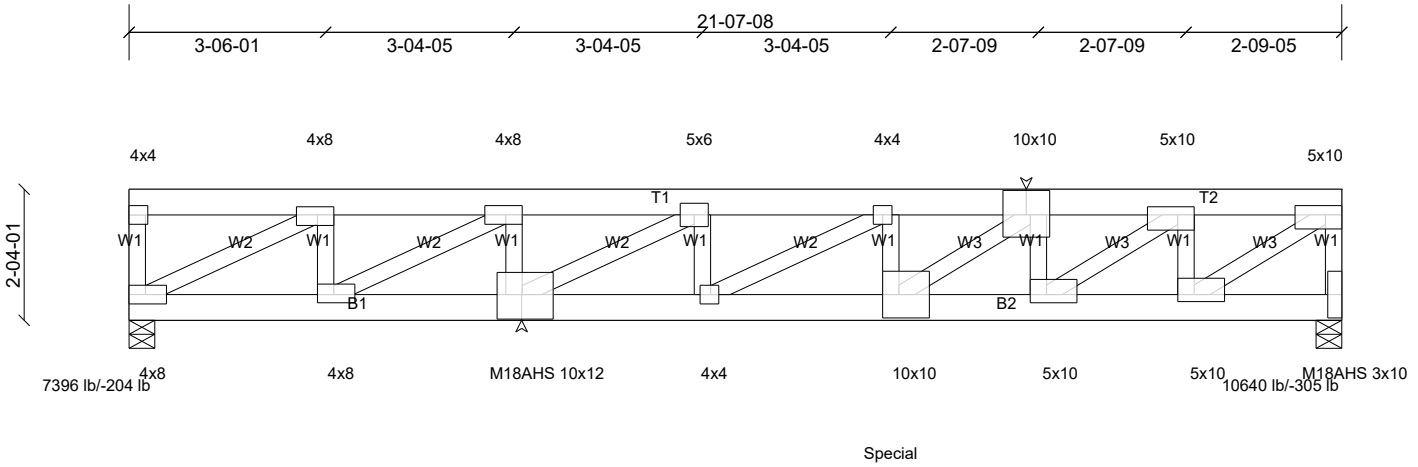
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6249/592, 2-12=-8090/762, 3-12=-8090/762, 3-13=-6212/587, 4-13=-6212/587
BOT CHORD 9-10=-592/6249, 8-9=-592/6249, 7-8=-772/8131, 6-7=-587/6212
WEBS 1-11=-2696/284, 5-6=-546/81, 2-10=-2073/281, 1-10=-626/6609, 3-8=-526/118, 4-7=0/742, 4-6=-6571/621, 3-7=-2036/196, 2-8=-180/1947

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 11 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC09	Flat Girder	1	3	Job Reference (optional)



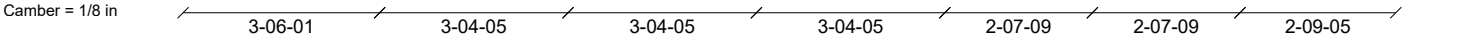


Plate Offsets (X, Y): [2:3-08,1-12], [3:3-08,2-00], [6:5-00,5-04], [7:3-08,1-12], [8:Edge,2-00], [9:Edge,3-08], [10:3-08,1-08], [11:3-08,1-12], [12:3-08,5-00], [13:1-12,2-00], [14:5-04,5-04], [15:3-08,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.46	12-13	>558	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.60	12-13	>430	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.11	9	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 451 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP 2400F 2.0E *Except* T2:2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W3:2x4 SP No.1

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

REACTIONS (size) 9=5-08, (min. 2-15), 16=5-08, (min. 2-01)
Max Horiz 16=-48 (LC 11)
Max Uplift 9=-305 (LC 13), 16=-204 (LC 13)
Max Grav 9=10640 (LC 2), 16=7396 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-474/61, 1-2=-276/43, 2-3=-12261/667, 3-17=-23244/1167, 4-17=-23244/1167, 4-18=-32283/1508, 5-18=-32283/1508, 5-6=-38651/1682, 6-7=-27332/1233, 7-8=-14116/678, 8-9=-10355/511
BOT CHORD 15-16=-702/12261, 14-15=-1191/22864, 13-14=-1543/32283, 12-13=-1705/38651, 11-12=-1293/28357, 10-11=-680/14116, 9-10=-33/298
WEBS 5-12=-192/3669, 5-13=-7297/272, 2-15=-224/5856, 2-16=-13733/733, 3-15=-12149/576, 3-14=-168/5295, 4-14=-10462/410, 4-13=-106/4042, 8-10=-795/16979, 6-11=-9011/424, 6-12=-521/13040, 7-11=-695/16239, 7-10=-10027/510

NOTES
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 5-12 2x4 - 2 rows staggered at 4-00 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 16 and 305 lb uplift at joint 9.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 12489 lb down and 391 lb up at 13-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-8=-64, 9-16=-20
Concentrated Loads (lb)
Vert: 12=-4081

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC10	Flat	1	1	Job Reference (optional)

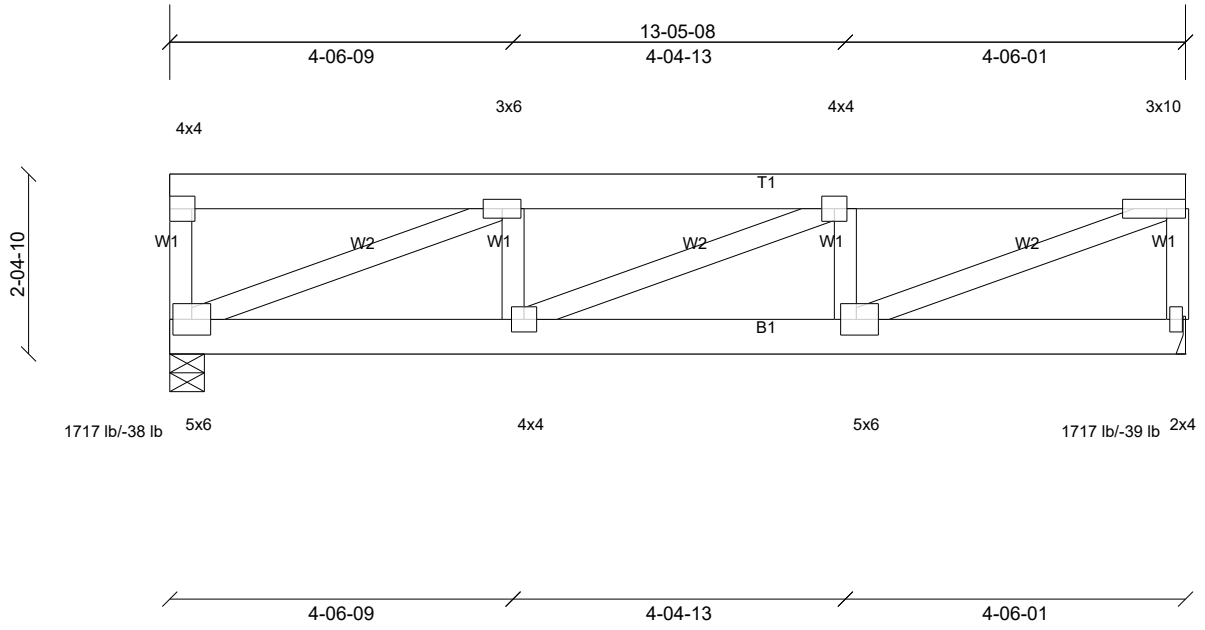


Plate Offsets (X, Y): [6:2-08,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.12	6-7	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 91 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 5= Mechanical, (min. 1-08), 8=5-08, (min. 2-00)
Max Horiz 8=-38 (LC 11)
Max Uplift 5=-39 (LC 13), 8=-38 (LC 9)
Max Grav 5=1717 (LC 2), 8=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-482/92, 2-3=-2733/382, 3-10=-2754/376, 4-10=-2754/376
BOT CHORD 7-8=-382/2733, 6-7=-376/2754
WEBS 4-5=-1655/250, 3-6=-1130/226, 2-8=-2878/390, 4-6=-411/3006

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 5 and 38 lb uplift at joint 8.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC11	Flat	1	1	Job Reference (optional)

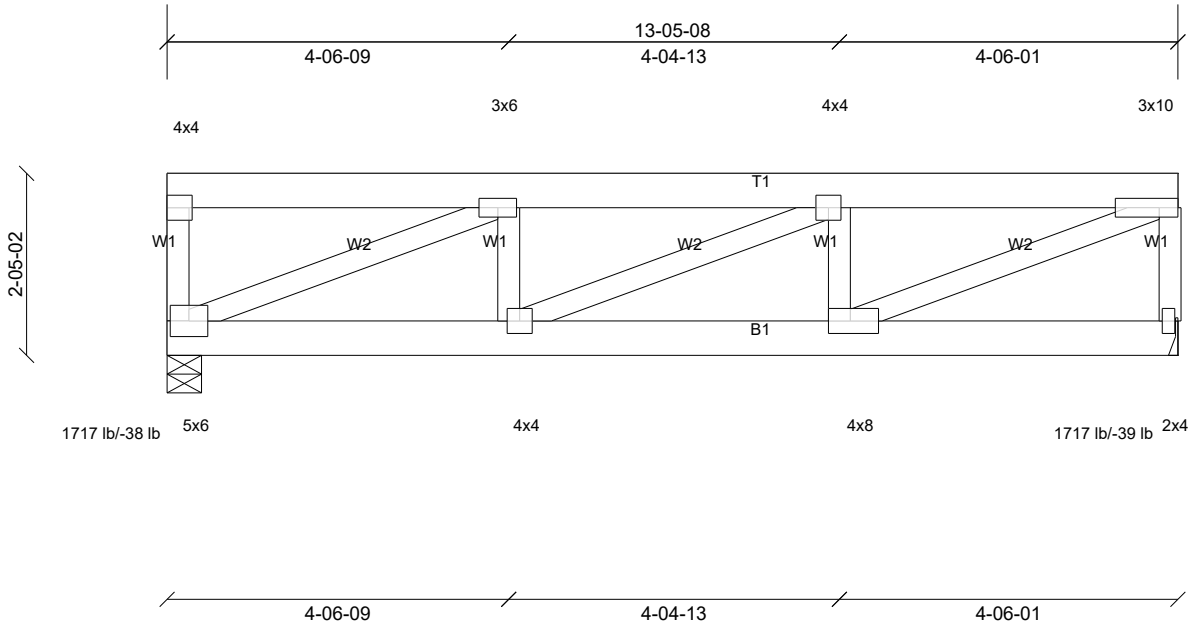


Plate Offsets (X, Y): [6:3-08,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.12	6-7	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 91 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 5= Mechanical, (min. 1-08), 8=5-08, (min. 2-00)
Max Horiz 8=-39 (LC 11)
Max Uplift 5=-39 (LC 13), 8=-38 (LC 9)
Max Grav 5=1717 (LC 2), 8=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-480/92, 2-3=-2680/376, 3-10=-2700/369, 4-10=-2700/369
BOT CHORD 7-8=-376/2680, 6-7=-369/2700
WEBS 4-5=-1656/250, 3-6=-1131/226, 2-8=-2835/384, 4-6=-404/2957

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 5 and 38 lb uplift at joint 8.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC12	Flat	1	1	Job Reference (optional)

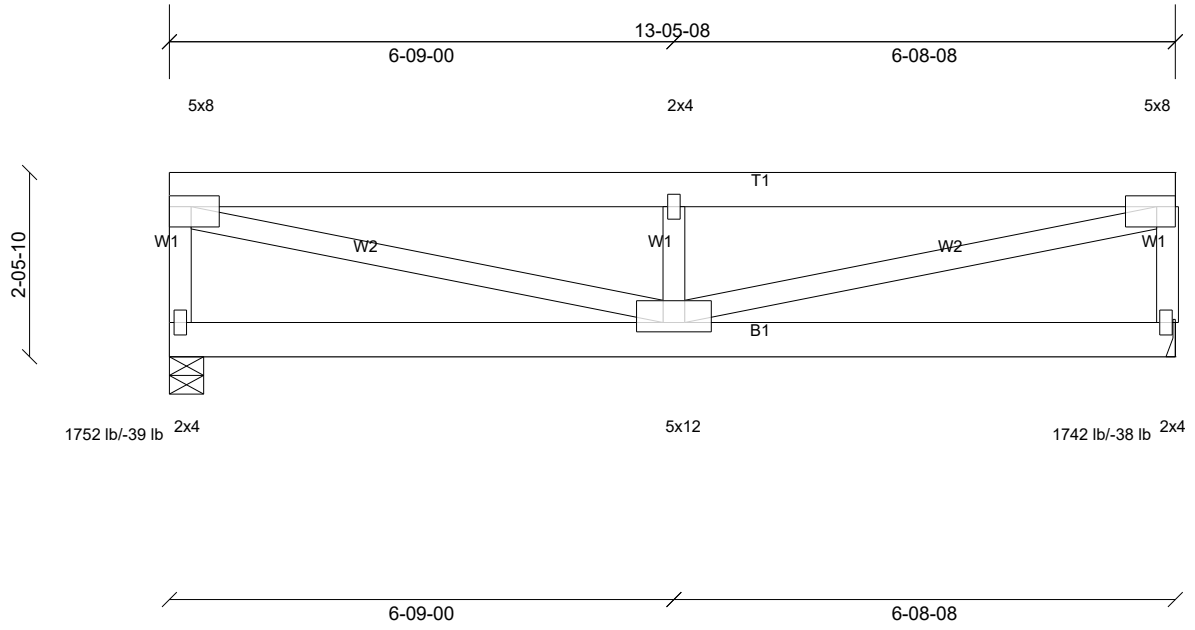


Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.15	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.20	5	>805	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-01)
Max Uplift 4=-38 (LC 13), 6=-39 (LC 13)
Max Grav 4=1742 (LC 2), 6=1752 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3297/440, 2-7=-3297/440, 2-8=-3297/440, 3-8=-3297/440
WEBS 1-6=-1668/261, 3-4=-1655/258, 2-5=-1943/382, 1-5=-479/3566, 3-5=-473/3531

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC13	Flat	1	1	Job Reference (optional)

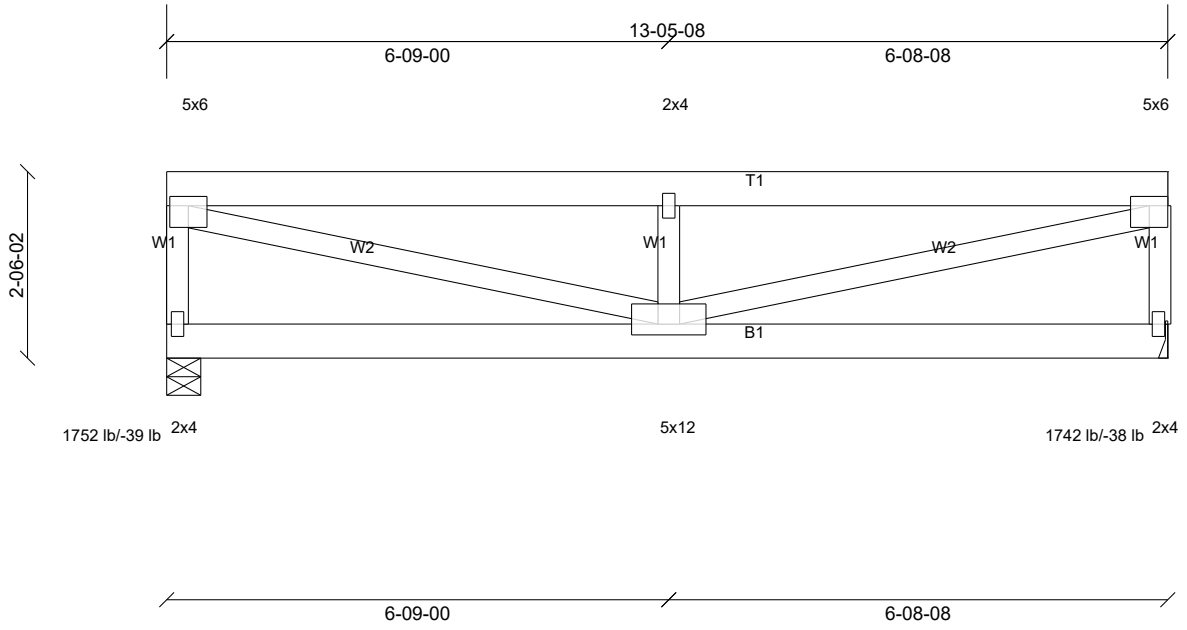


Plate Offsets (X, Y): [1:3-00,1-08], [3:Edge,1-08], [5:6-00,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.15	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.19	5	>834	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 89 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-01)
Max Uplift 4=-38 (LC 13), 6=-39 (LC 13)
Max Grav 4=1742 (LC 2), 6=1752 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3238/432, 2-7=-3238/432, 2-8=-3238/432, 3-8=-3238/432
WEBS 1-6=-1669/261, 3-4=-1656/258, 2-5=-1946/382, 1-5=-471/3508, 3-5=-466/3474

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 6 and 38 lb uplift at joint 4.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC14	Flat	1	1	Job Reference (optional)

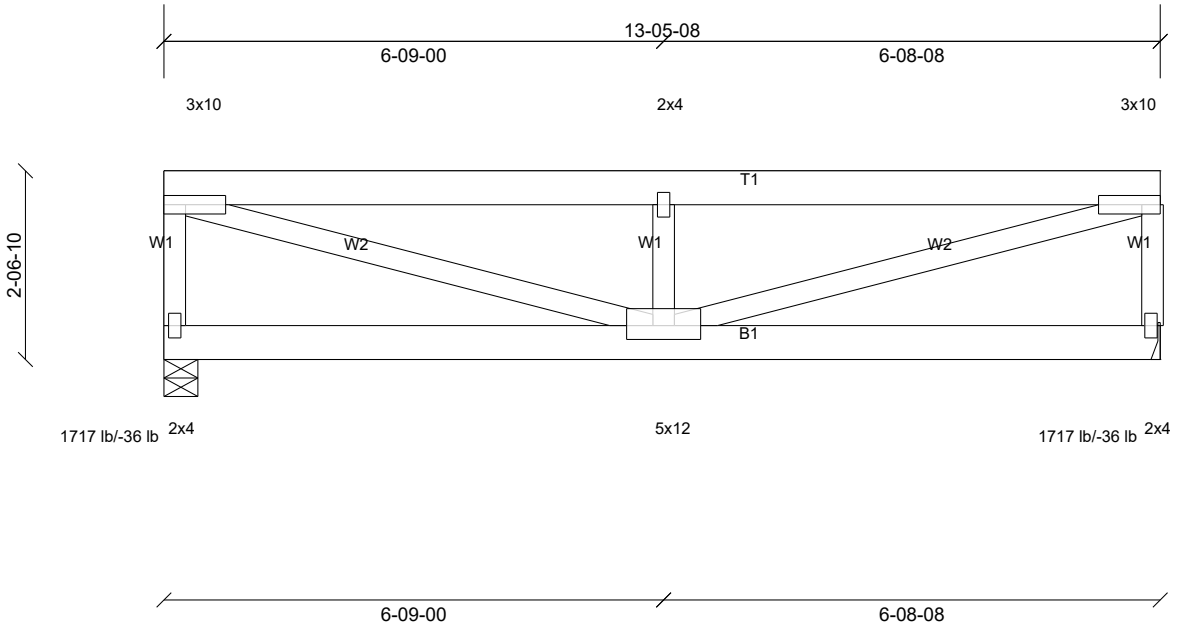

Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.14	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.17	5	>906	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Uplift 4=-36 (LC 13), 6=-36 (LC 13)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3166/421, 2-7=-3166/421, 2-8=-3166/421, 3-8=-3166/421
WEBS 1-6=-1632/254, 3-4=-1632/254, 2-5=-1911/375, 1-5=-442/3321, 3-5=-442/3321

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC15	Flat	1	1	Job Reference (optional)

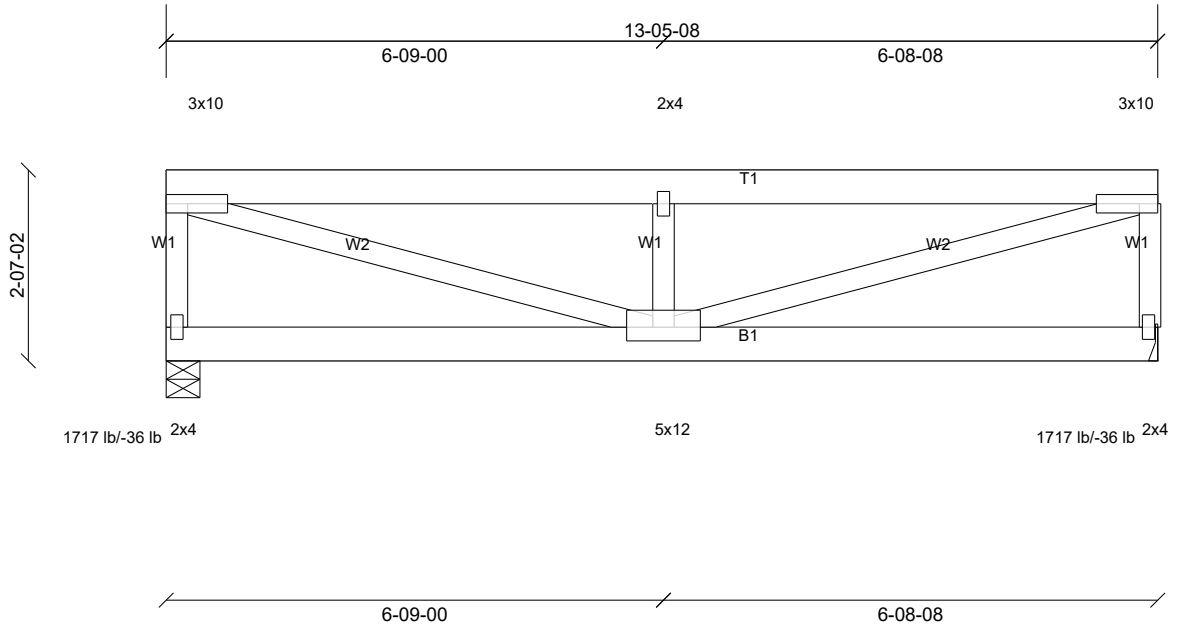

Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.13	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.17	5	>938	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Uplift 4=-36 (LC 13), 6=-36 (LC 13)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3111/414, 2-7=-3111/414, 2-8=-3111/414, 3-8=-3111/414
WEBS 1-6=-1634/254, 3-4=-1634/254, 2-5=-1913/376, 1-5=-435/3270, 3-5=-435/3270

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC16	Flat	1	1	Job Reference (optional)

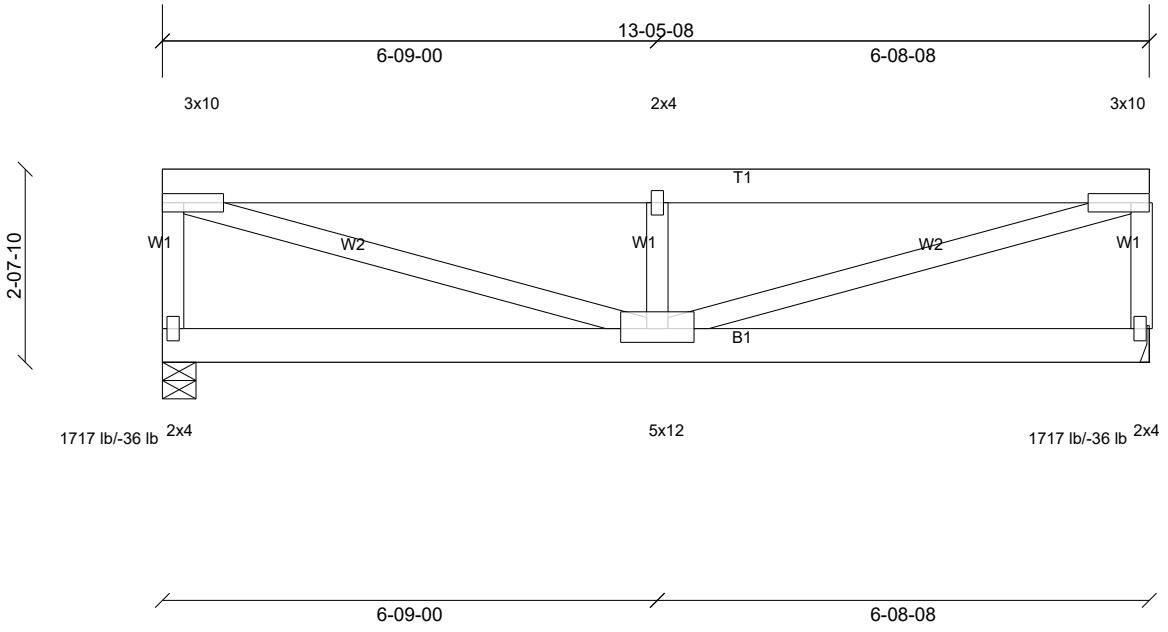

Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.13	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.16	5	>966	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Uplift 4=-36 (LC 13), 6=-36 (LC 13)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3058/407, 2-7=-3058/407, 2-8=-3058/407, 3-8=-3058/407
WEBS 1-6=-1635/254, 3-4=-1635/254, 2-5=-1915/376, 1-5=-428/3220, 3-5=-428/3220

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC17	Flat	1	1	Job Reference (optional)

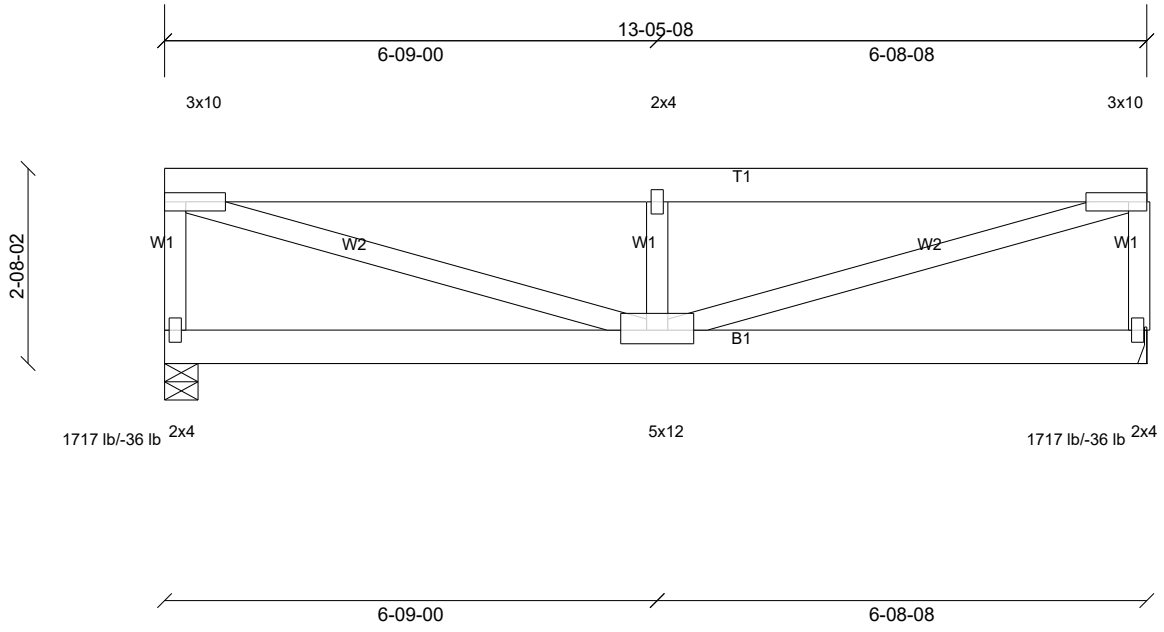


Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.16	5	>997	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Uplift 4=-36 (LC 13), 6=-36 (LC 13)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3006/400, 2-7=-3006/400, 2-8=-3006/400, 3-8=-3006/400
WEBS 1-6=-1636/254, 3-4=-1636/254, 2-5=-1917/376, 1-5=-422/3171, 3-5=-422/3171

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC18	Flat	1	1	Job Reference (optional)

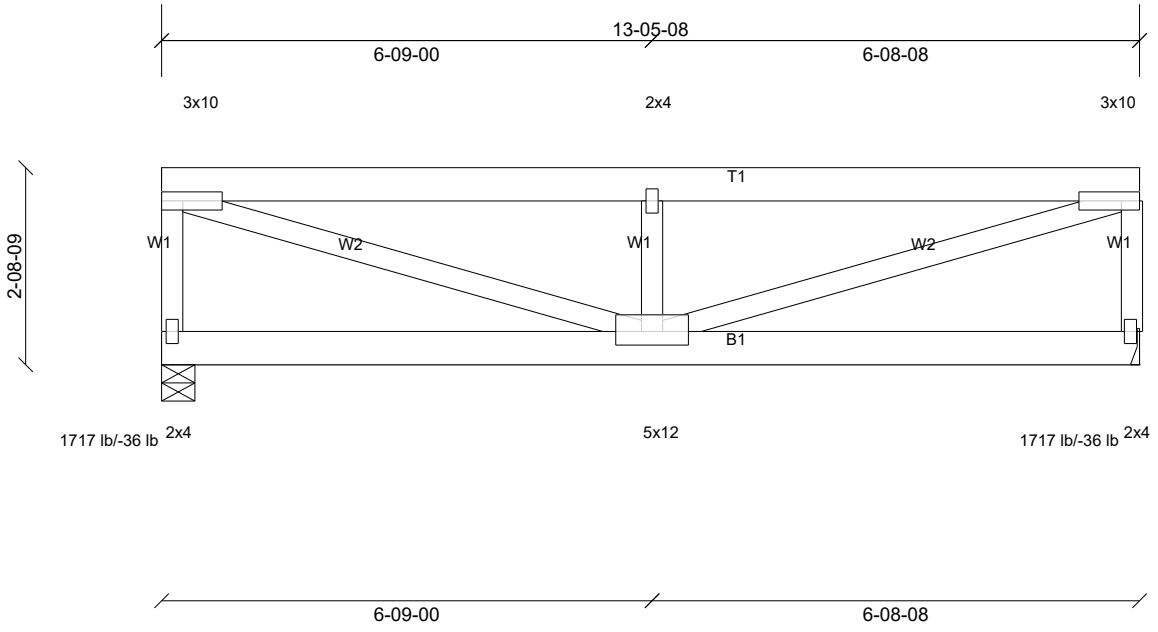


Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.12	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.16	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
Max Uplift 4=-36 (LC 13), 6=-36 (LC 13)
Max Grav 4=1717 (LC 2), 6=1717 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-2960/394, 2-7=-2960/394, 2-8=-2960/394, 3-8=-2960/394
WEBS 1-6=-1636/254, 3-4=-1636/254, 2-5=-1919/376, 1-5=-416/3128, 3-5=-416/3128

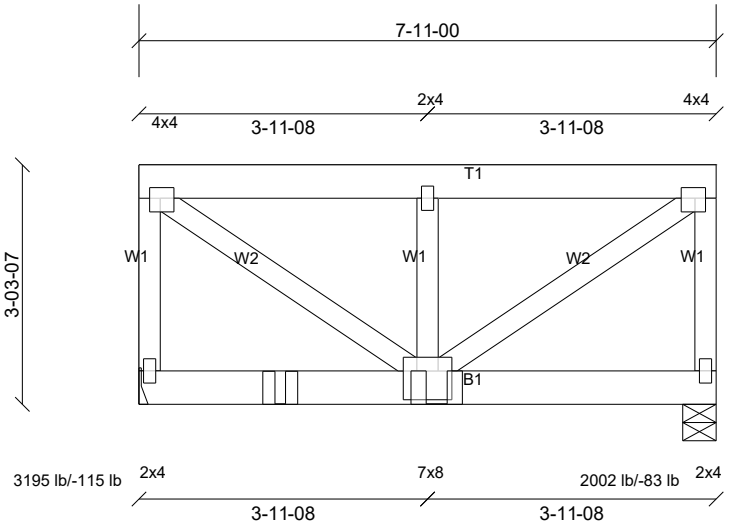
NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 6 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC19	Flat Girder	1	2	Job Reference (optional)



HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,1-12], [3:1-12,1-12], [5:4-00,4-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.07	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 120 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 4=5-08, (min. 1-08), 6= Mechanical, (min. 1-08)
Max Horiz 6=-72 (LC 9)
Max Uplift 4=-83 (LC 10), 6=-115 (LC 9)
Max Grav 4=2002 (LC 2), 6=3195 (LC 2)

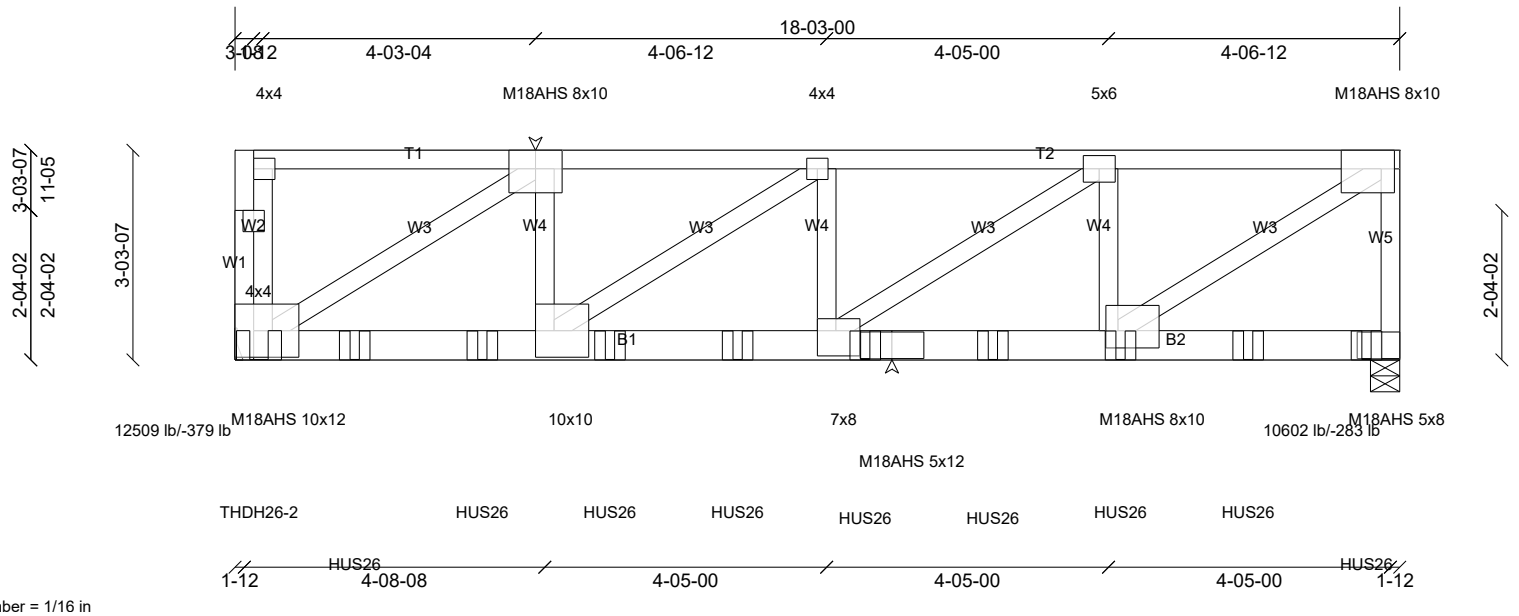
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-2108/266, 1-2=-2643/212, 2-3=-2643/212, 3-4=-2108/266
WEBS 1-5=-297/3290, 2-5=-163/292, 3-5=-297/3290

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 2-5 2x4 - 1 row at 2-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 6 and 83 lb uplift at joint 4.
9) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 1-11-4 from the left end to connect truss(es) RC21 (1 ply 2x6 SP) to back face of bottom chord.
10) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 4-1-0 from the left end to connect truss(es) RC22 (2 ply 2x6 SP) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-44, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-742, 7=-712

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC20	Flat Girder	1	2	Job Reference (optional)



Camber = 1/16 in

Plate Offsets (X, Y): [5:2-08,Edge], [7:2-04,3-04], [9:3-08,4-12], [10:3-08,5-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.24	9-10	>894	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.31	9-10	>695	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 240 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T2:2x4 SP 2400F 2.0E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.1 *Except* W1,W2:2x4 SP No.3, W3:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 6=5-08, (min. 2-06), 11= Mechanical, (min. 1-08)
Max Horiz 11=74 (LC 36)
Max Uplift 6=-283 (LC 13), 11=-379 (LC 13)
Max Grav 6=10602 (LC 2), 11=12509 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-525/80, 1-12=-479/75, 1-2=-373/64, 2-13=-12495/615, 3-13=-12495/615, 3-14=-15882/762, 4-14=-15882/762, 4-5=-12040/594, 5-6=-8315/453
BOT CHORD 11-15=-662/12173, 15-16=-662/12173, 10-16=-662/12173, 10-17=-816/15882, 17-18=-816/15882, 9-18=-816/15882, 9-19=-613/12040, 8-19=-613/12040, 8-20=-613/12040, 7-20=-613/12040
WEBS 5-7=-684/14184, 2-10=-175/6430, 2-11=-13999/683, 3-10=-4056/217, 3-9=-68/1178, 4-9=-243/4601, 4-7=-3623/327

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 6-00 oc, Except member 1-11 2x4 - 1 row at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 4-7 2x4 - 1 row at 3-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 6 and 379 lb uplift at joint 11.
11) Use MiTek THDH26-2 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent at 0-4-8 from the left end to connect truss(es) RC19 (2 ply 2x6 SP) to front face of bottom chord.
12) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-8 from the left end to 17-8-12 to connect truss(es) RC10 (1 ply 2x6 SP), RC11 (1 ply 2x6 SP), RC12 (1 ply 2x6 SP), RC13 (1 ply 2x6 SP), RC14 (1 ply 2x6 SP), RC15 (1 ply 2x6 SP), RC16 (1 ply 2x6 SP), RC17 (1 ply 2x6 SP), RC18 (1 ply 2x6 SP) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-64, 6-11=-20
Concentrated Loads (lb)
Vert: 7=-534, 11=-1147, 15=-534, 16=-534, 17=-540, 18=-540, 19=-534, 20=-534, 21=-534, 22=-540

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC21	Flat	1	1	Job Reference (optional)

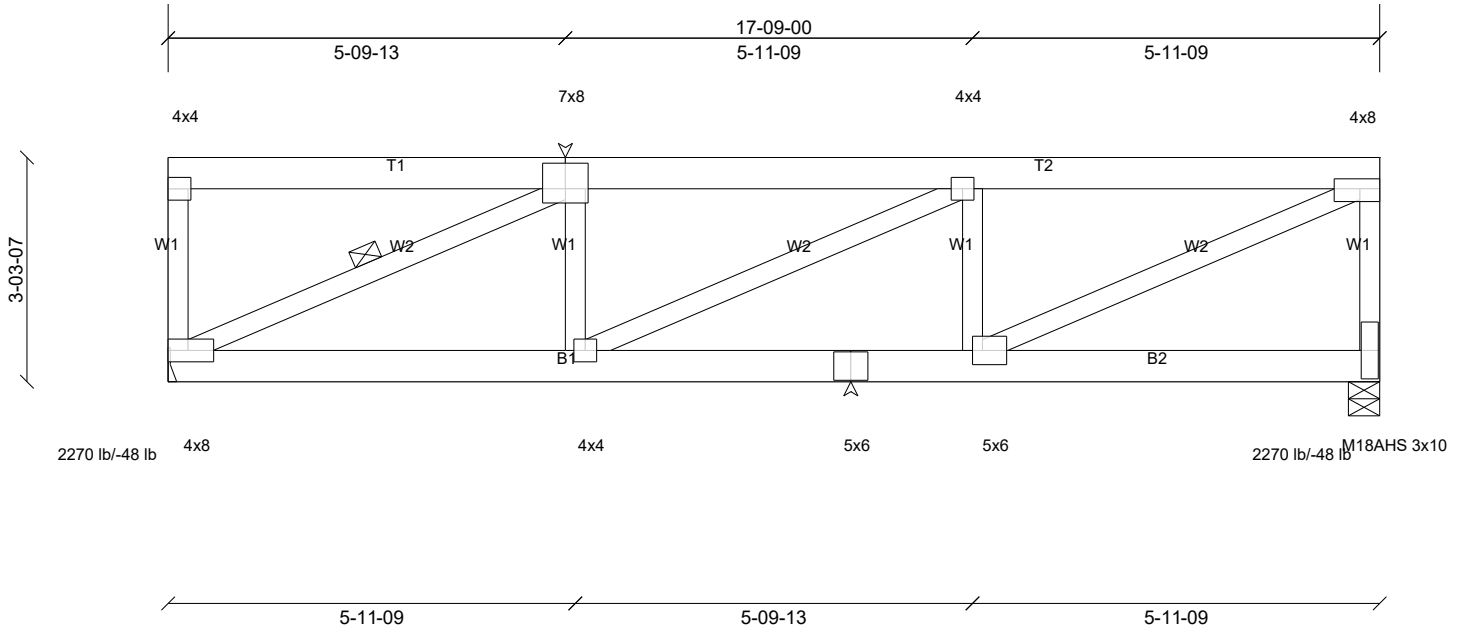


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.14	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.18	6-8	>999	180	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 124 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9

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

REACTIONS (size) 5=5-08, (min. 2-11), 9= Mechanical, (min. 1-08)
Max Horiz 9=72 (LC 12)
Max Uplift 5=-48 (LC 13), 9=-48 (LC 13)
Max Grav 5=2270 (LC 2), 9=2270 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-585/100, 2-3=-3302/382, 3-11=-3341/389, 4-11=-3341/389, 4-5=-2189/286
BOT CHORD 8-9=-439/3296, 7-8=-419/3341, 6-7=-419/3341
WEBS 4-6=-427/3624, 2-9=-3601/427, 3-6=-1491/268

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 9 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC22	Flat Girder	1	2	Job Reference (optional)

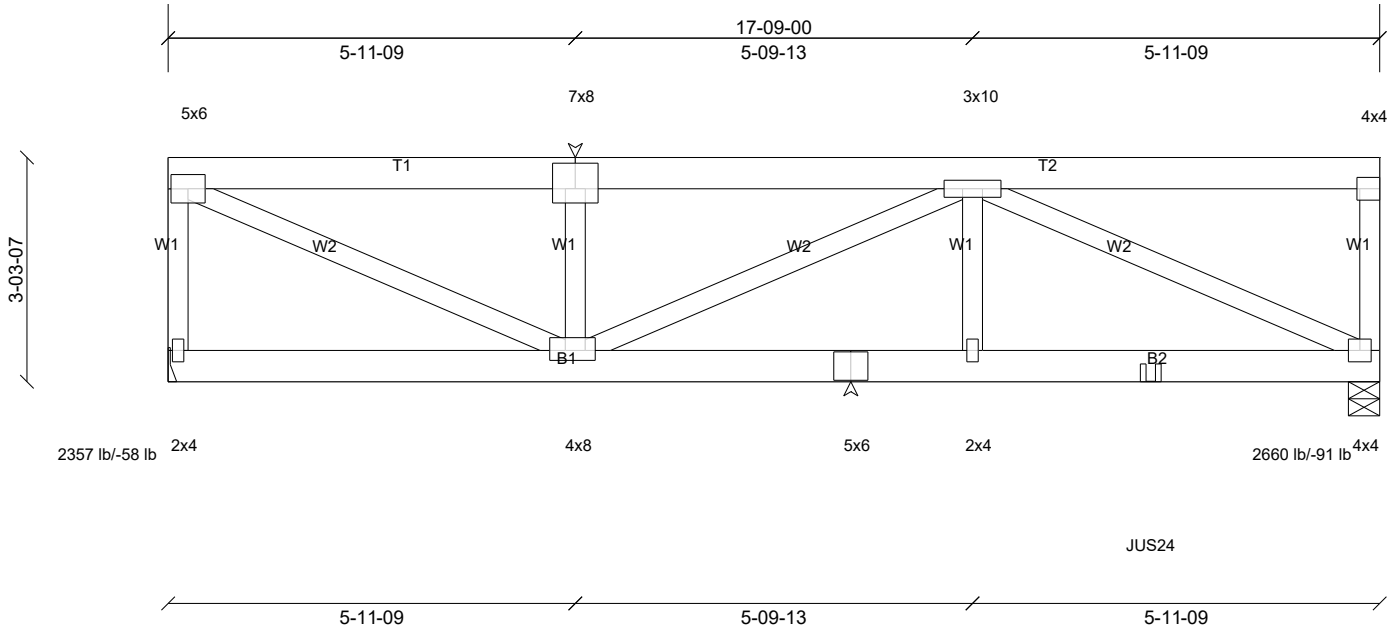


Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,3-08], [8:2-12,1-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.08	6-8	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.10	6-8	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 248 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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) 5=5-08, (min. 1-09), 9= Mechanical, (min. 1-08)
Max Horiz 9=-72 (LC 9)
Max Uplift 5=-91 (LC 13), 9=-58 (LC 13)
Max Grav 5=2660 (LC 2), 9=2357 (LC 2)

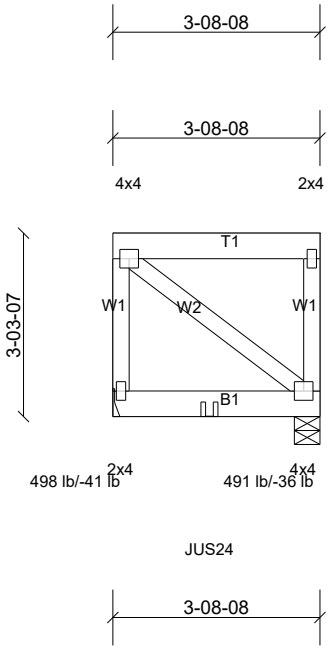
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-2261/294, 1-10=-3481/403, 2-10=-3481/403, 2-3=-3481/403, 4-5=-618/104
BOT CHORD 7-8=-466/3766, 6-7=-466/3766, 6-12=-466/3766, 5-12=-466/3766
WEBS 1-8=-441/3768, 2-8=-1483/255, 3-8=-317/63, 3-6=0/436, 3-5=-4057/474

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 9-00 oc, 2x6 - 2 rows staggered at 9-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 9-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
6) Provide adequate drainage to prevent water ponding.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 9 and 91 lb uplift at joint 5.
9) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 14-4-12 from the left end to connect truss(es) RC23 (1 ply 2x6 SP) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-64, 5-9=-20
Concentrated Loads (lb)
Vert: 12=-164

QR Link: How to Read Engineer Drawings

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC23	Flat Girder	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	3-4	>999	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 30 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Uplift 3=-36 (LC 9), 4=-41 (LC 9)
Max Grav 3=491 (LC 2), 4=498 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-4=-410/112, 2-3=-410/112

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 36 lb uplift at joint 3.
6) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 1-8-12 from the left end to connect truss(es) RC24 (1 ply 2x4 SP) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-64, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-76

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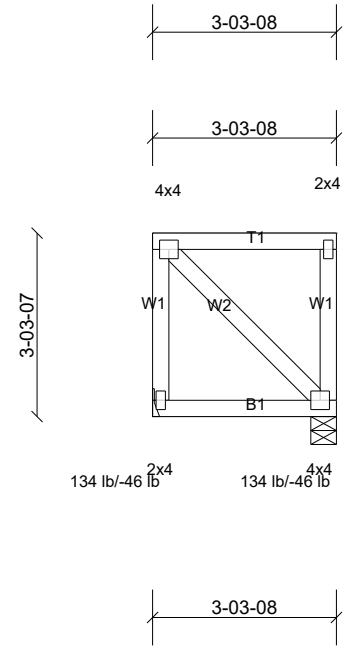
Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC24	Flat	2	1	Job Reference (optional)



Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 24 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08)
Max Horiz 4=-76 (LC 9)
Max Uplift 3=-46 (LC 10), 4=-46 (LC 9)
Max Grav 3=134 (LC 22), 4=134 (LC 23)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4 and 46 lb uplift at joint 3.

LOAD CASE(S) Standard

QR Link: How to Read Engineer Drawings