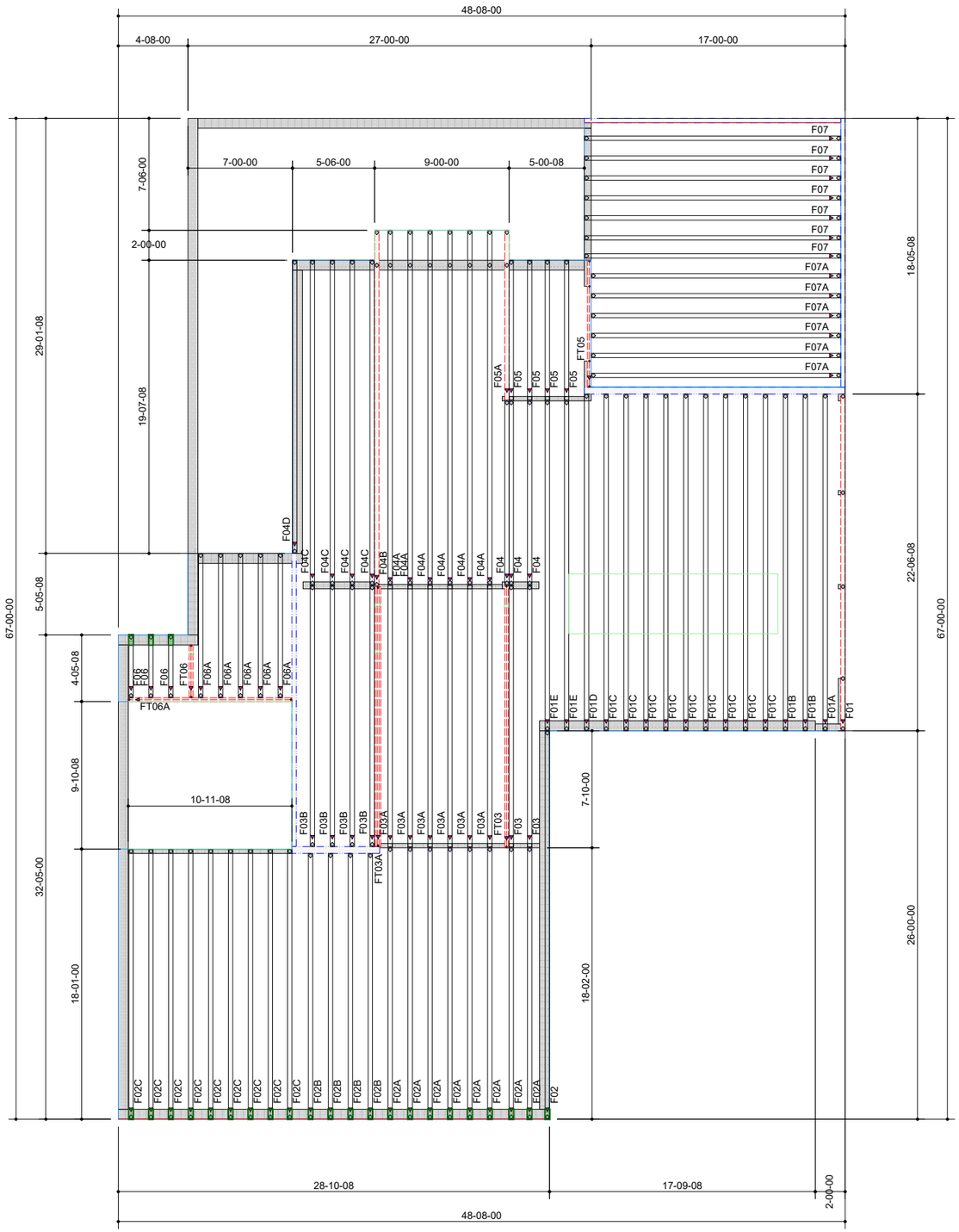

Project # 2200345	Date: 3/16/2022	
Sales: Ken Price (360) 384.9000-Ext:28 kprice@louwstruss.com	Name: BARCELO HOMES/93RD AVE 7216 93RD AVE SE MERCER ISLAND WA 98040	
Roof area: 3775.08 sq ft	Sub.:	Lot: # 1

LOUWS TRUSS INCORPORATED
360.384.9000

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01	FLOOR GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:26 2022 Page 1
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1-6-12 1-6-12 1-5-14 | 1-6-2 1-6-2 1-6-2 1-6-2 1-6-14 1-6-14 1-6-14 1-6-14

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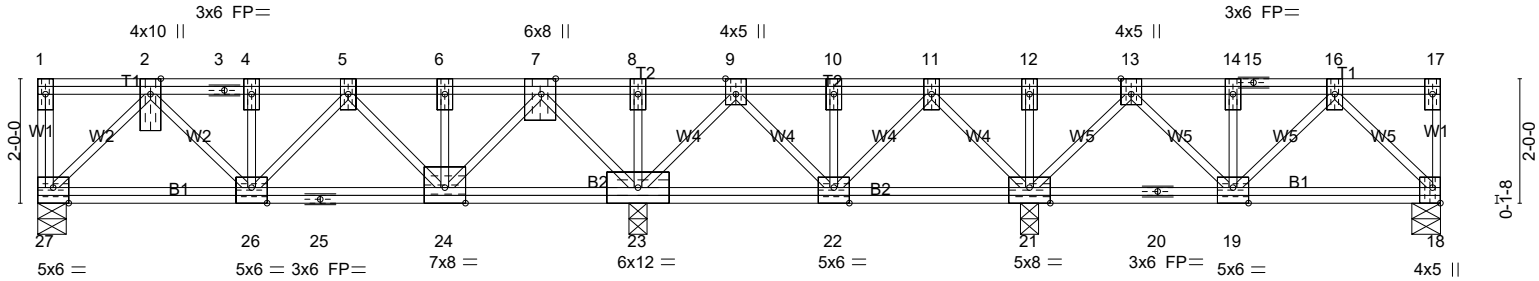

3-5-4 6-7-4 8-1-2 9-7-0 9-7-12 15-11-4 22-3-0 22-6-8
3-5-4 3-2-0 1-5-14 1-5-14 0-0-12 6-3-8 6-3-12 0-3-8

Plate Offsets (X,Y)-- [7:0-3-0,Edge], [9:0-3-0,Edge], [13:0-3-0,Edge], [18:Edge,0-1-8], [19:0-3-0,Edge], [21:0-4-0,Edge], [22:0-3-0,Edge], [26:0-3-0,Edge], [27:0-3-0,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.03	24-26	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.04	24-26	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01	18	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 181 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. All bearings 0-5-8 except (jt=length) 23=0-3-8, 21=0-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 27=1945(LC 5), 18=1307(LC 5), 23=4291(LC 3), 21=3112(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-318/0, 17-18=-305/0, 2-3=-2226/0, 3-4=-2226/0, 4-5=-2226/0, 5-6=-1588/0, 6-7=-1588/0, 7-8=0/1613, 8-9=0/1613, 11-12=0/852, 12-13=0/852, 13-14=-1030/0, 14-15=-1030/0, 15-16=-1030/0
BOT CHORD 26-27=0/1556, 25-26=0/2246, 24-25=0/2246, 23-24=0/317, 22-23=-549/0, 20-21=-25/468, 19-20=-25/468, 18-19=0/922
WEBS 4-26=-678/0, 8-23=-815/0, 12-21=-797/0, 2-27=-2241/0, 2-26=0/985, 5-24=-1001/0, 6-24=-697/0, 7-24=0/1928, 7-23=-2851/0, 9-23=-1722/0, 9-22=0/782, 10-22=-720/0, 11-21=-1197/0, 13-21=-1880/0, 13-19=0/843, 14-19=-717/0, 16-18=-1350/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-27=-7, 1-17=-467

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01A	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:27 2022 Page 1
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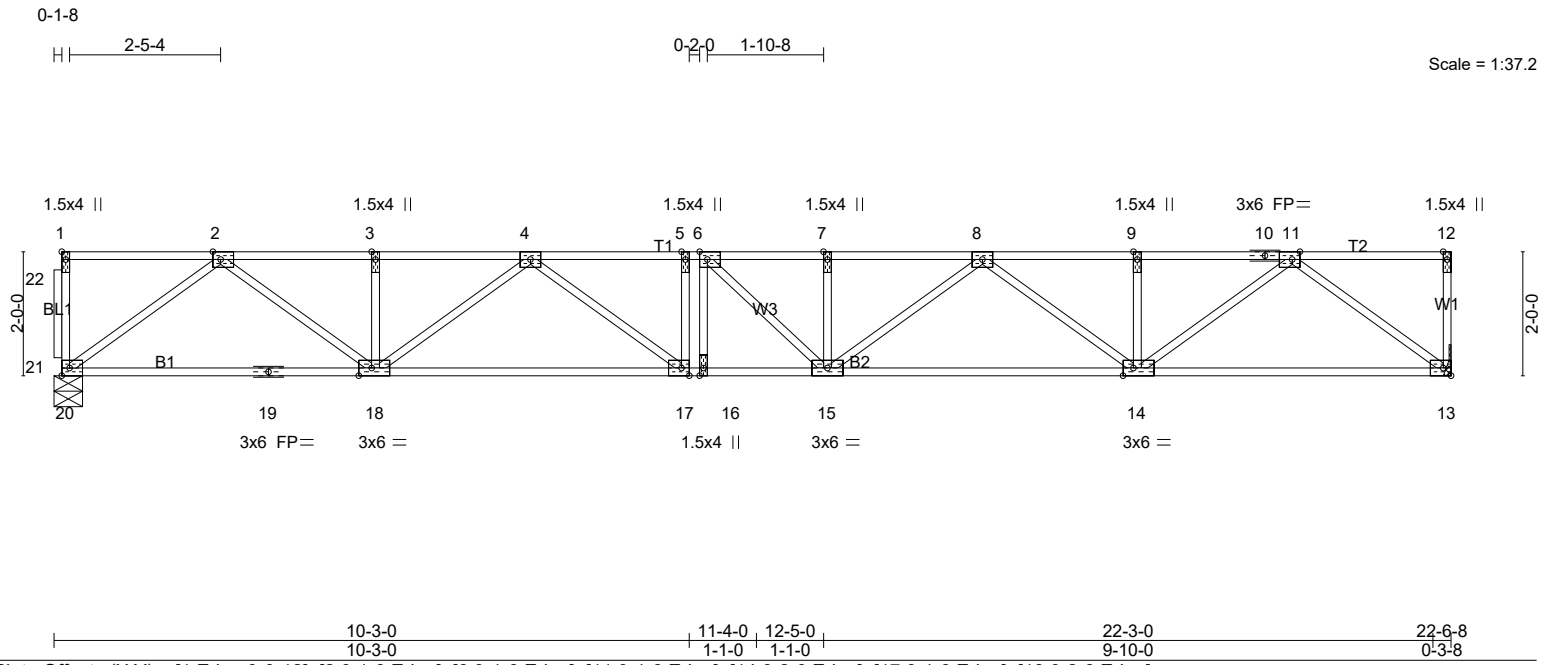

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [6:0-1-8,Edge], [11:0-1-8,Edge], [14:0-2-0,Edge], [17:0-1-8,Edge], [18:0-2-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.16	15-16	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.22	16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 13=817/Mechanical, 20=817/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1714/0, 3-4=-1714/0, 4-5=-2420/0, 5-6=-2420/0, 6-7=-2420/0, 7-8=-2420/0, 8-9=-1714/0, 9-10=-1714/0, 10-11=-1714/0
BOT CHORD 19-20=0/983, 18-19=0/983, 17-18=0/2182, 16-17=0/2420, 15-16=0/2420, 14-15=0/2182, 13-14=0/983
WEBS 11-13=-1229/0, 2-20=-1229/0, 11-14=0/914, 2-18=0/914, 8-14=-584/0, 4-18=-585/0, 8-15=0/298, 4-17=-7/405

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01B	Floor	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:28 2022 Page 1
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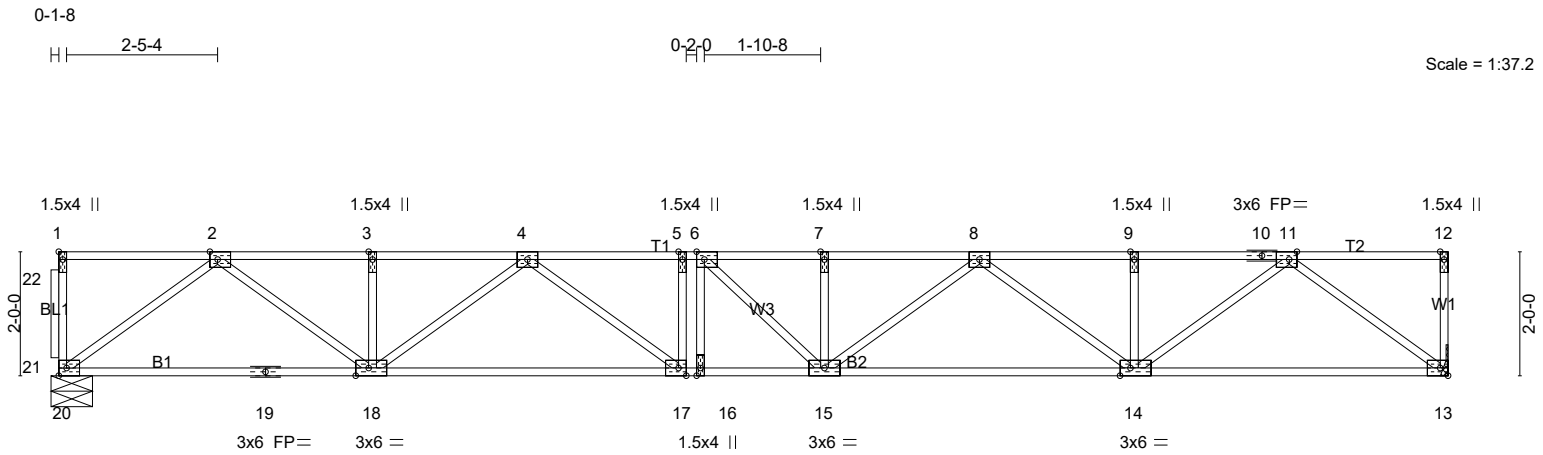

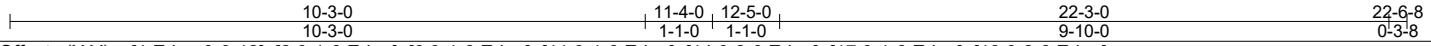

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [6:0-1-8,Edge], [11:0-1-8,Edge], [14:0-2-0,Edge], [17:0-1-8,Edge], [18:0-2-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.16	15-16	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.22	16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 13=817/Mechanical, 20=817/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1714/0, 3-4=-1714/0, 4-5=-2420/0, 5-6=-2420/0, 6-7=-2420/0, 7-8=-2420/0, 8-9=-1714/0, 9-10=-1714/0, 10-11=-1714/0
BOT CHORD 19-20=0/983, 18-19=0/983, 17-18=0/2182, 16-17=0/2420, 15-16=0/2420, 14-15=0/2182, 13-14=0/983
WEBS 11-13=-1229/0, 2-20=-1229/0, 11-14=0/914, 2-18=0/914, 8-14=-584/0, 4-18=-585/0, 8-15=0/298, 4-17=-7/405

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01C	Floor	9	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:29 2022 Page 1
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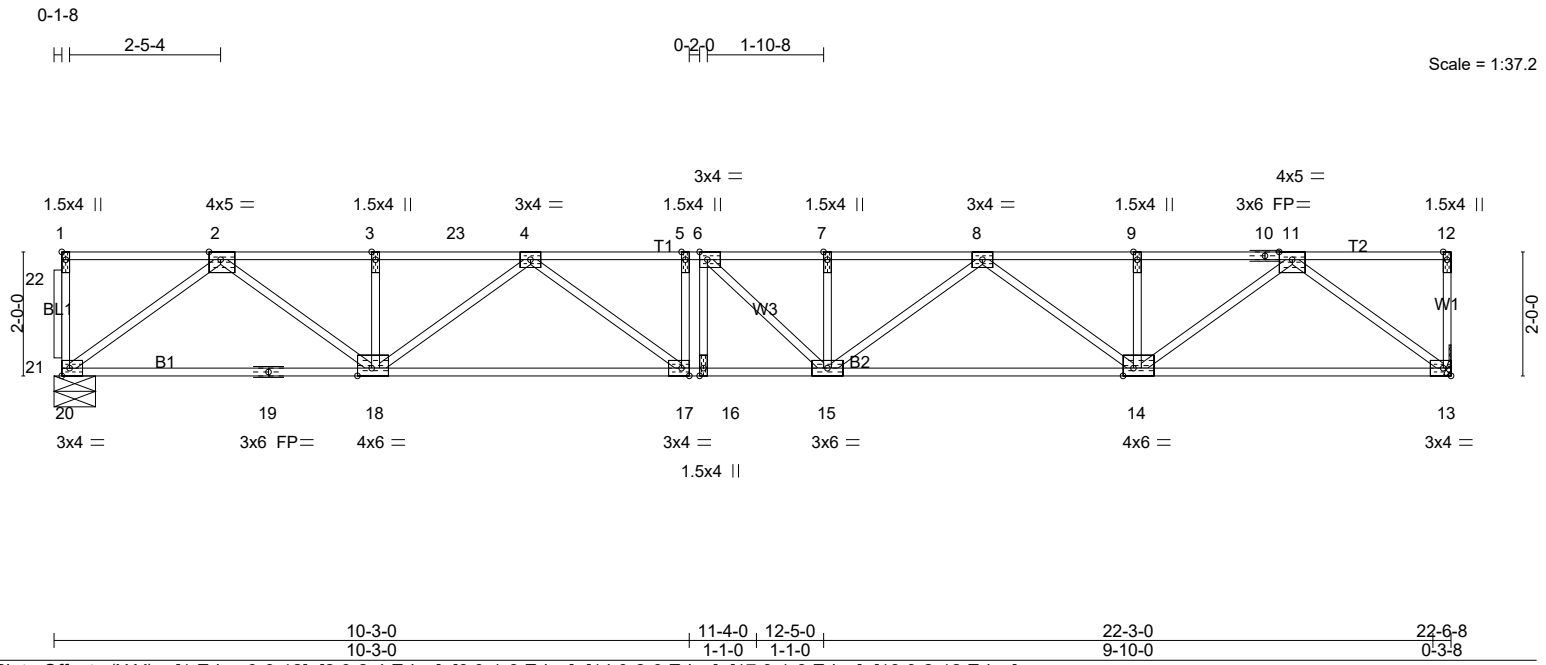

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-2-4,Edge], [6:0-1-8,Edge], [14:0-2-0,Edge], [17:0-1-8,Edge], [18:0-2-12,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.22	17-18	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.31	17-18	>875	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 13=966/Mechanical, 20=1067/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2382/0, 3-23=-2382/0, 4-23=-2382/0, 4-5=-3394/0, 5-6=-3394/0, 6-7=-3204/0, 7-8=-3204/0, 8-9=-2109/0, 9-10=-2109/0, 10-11=-2109/0
BOT CHORD 19-20=0/1316, 18-19=0/1316, 17-18=0/3168, 16-17=0/3394, 15-16=0/3394, 14-15=0/2774, 13-14=0/1181
WEBS 11-13=-1476/0, 2-20=-1645/0, 11-14=0/1160, 2-18=0/1332, 8-14=-831/0, 4-18=-982/0, 8-15=0/538, 4-17=-21/391, 6-15=-475/0

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-20=-7, 1-23=-67, 6-23=-167, 6-12=-67

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01D	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:30 2022 Page 1
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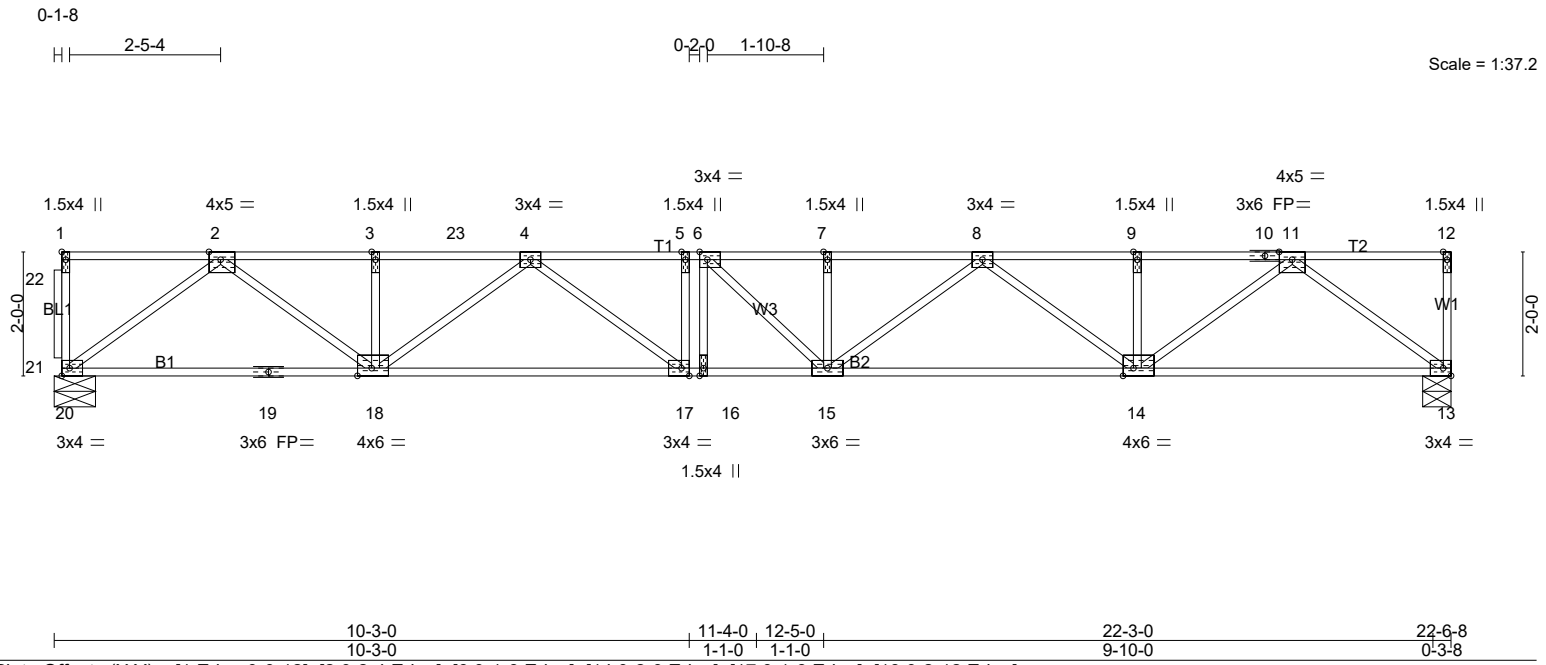

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-2-4,Edge], [6:0-1-8,Edge], [14:0-2-0,Edge], [17:0-1-8,Edge], [18:0-2-12,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.22	17-18	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.31	17-18	>875	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 13=966/0-5-8 (min. 0-1-8), 20=1067/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2382/0, 3-23=-2382/0, 4-23=-2382/0, 4-5=-3394/0, 5-6=-3394/0, 6-7=-3204/0, 7-8=-3204/0, 8-9=-2109/0, 9-10=-2109/0, 10-11=-2109/0
BOT CHORD 19-20=0/1316, 18-19=0/1316, 17-18=0/3168, 16-17=0/3394, 15-16=0/3394, 14-15=0/2774, 13-14=0/1181
WEBS 11-13=-1476/0, 2-20=-1645/0, 11-14=0/1160, 2-18=0/1332, 8-14=-831/0, 4-18=-982/0, 8-15=0/538, 4-17=-21/391, 6-15=-475/0

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-20=-7, 1-23=-67, 6-23=-167, 6-12=-67

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F01E	Floor	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:31 2022 Page 1
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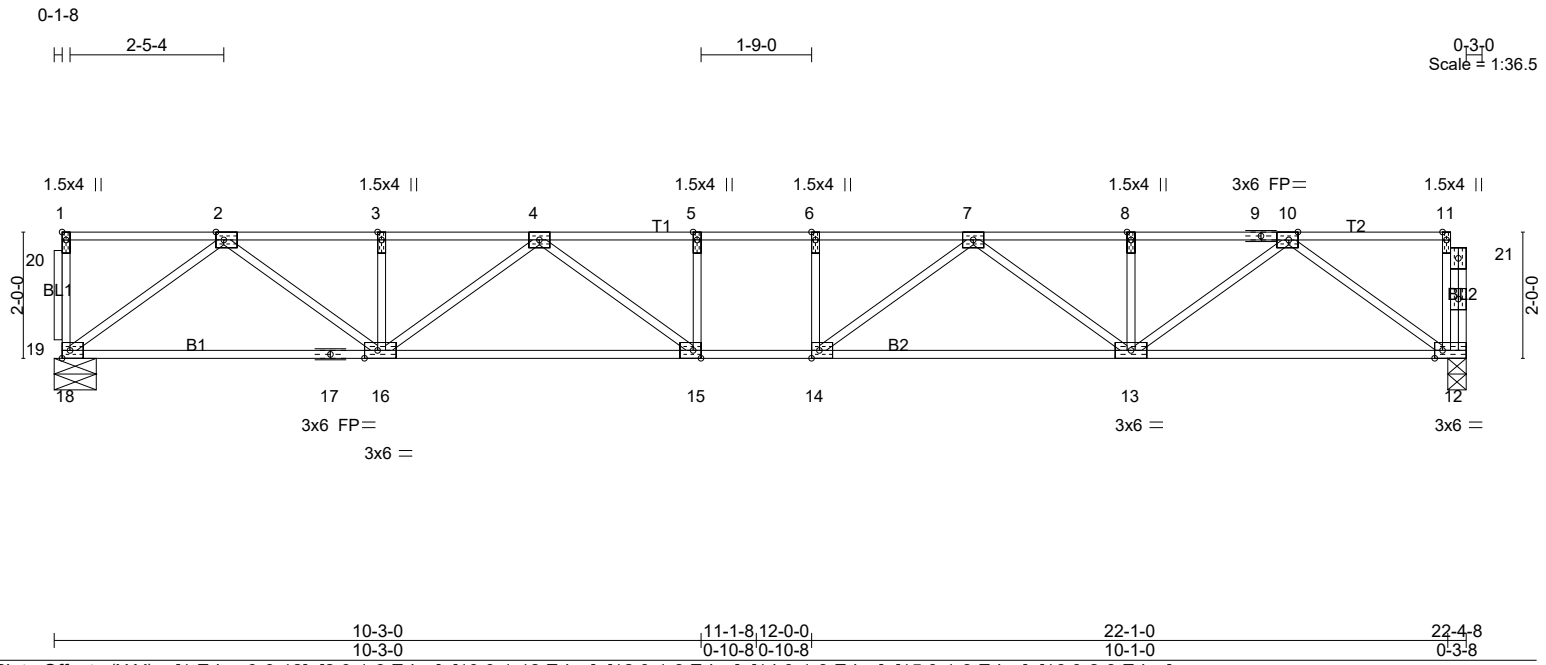

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [10:0-1-12,Edge], [12:0-1-8,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [16:0-2-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.21	13-14	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.28	13-14	>940	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 113 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 12=798/0-3-8 (min. 0-1-8), 18=807/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1686/0, 3-4=-1686/0, 4-5=-2363/0, 5-6=-2363/0, 6-7=-2363/0, 7-8=-1715/0, 8-9=-1715/0, 9-10=-1715/0
BOT CHORD 17-18=0/969, 16-17=0/969, 15-16=0/2139, 14-15=0/2363, 13-14=0/2156, 12-13=0/1010
WEBS 10-12=-1236/0, 2-18=-1211/0, 10-13=0/882, 2-16=0/896, 7-13=-551/0, 4-16=-567/0, 7-14=-24/451, 4-15=-10/465

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F02	Floor Supported Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:33 2022 Page 1
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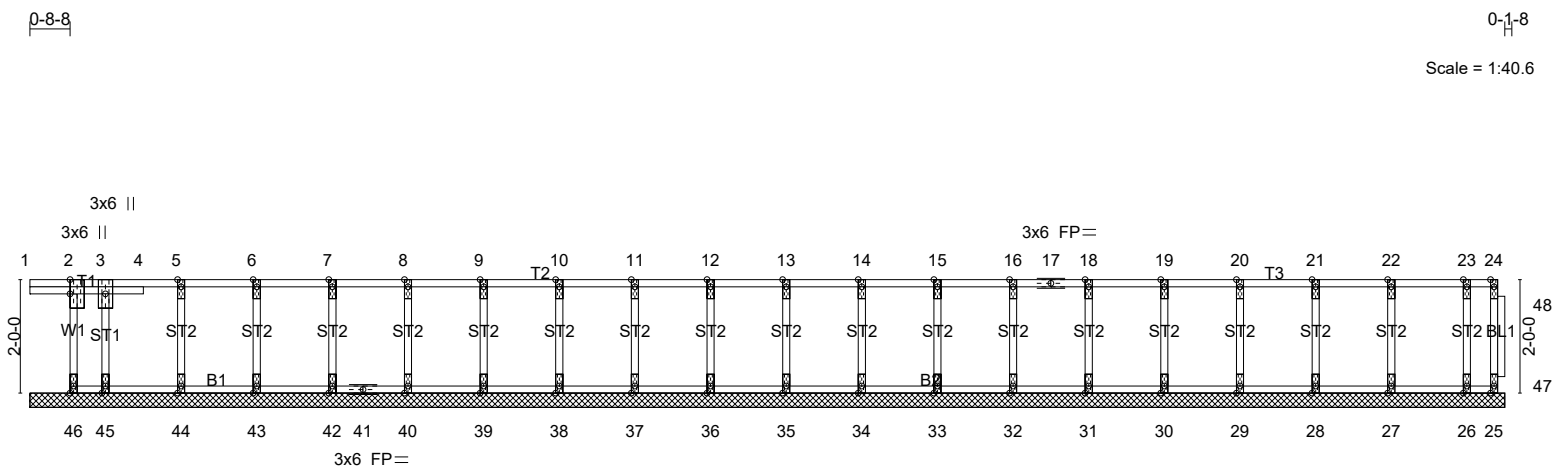

0-8-8 25-8-8 26-0-0
0-8-8 25-0-0 0-3-8

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [46:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	-0.00	1	n/r	180	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	-0.00	25	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 123 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 26-0-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 25
Max Grav All reactions 250 lb or less at joint(s) 46, 25, 45, 44, 43, 42, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26

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

NOTES-
1) All plates are 1.5x4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F02A	Floor	8	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:34 2022 Page 1
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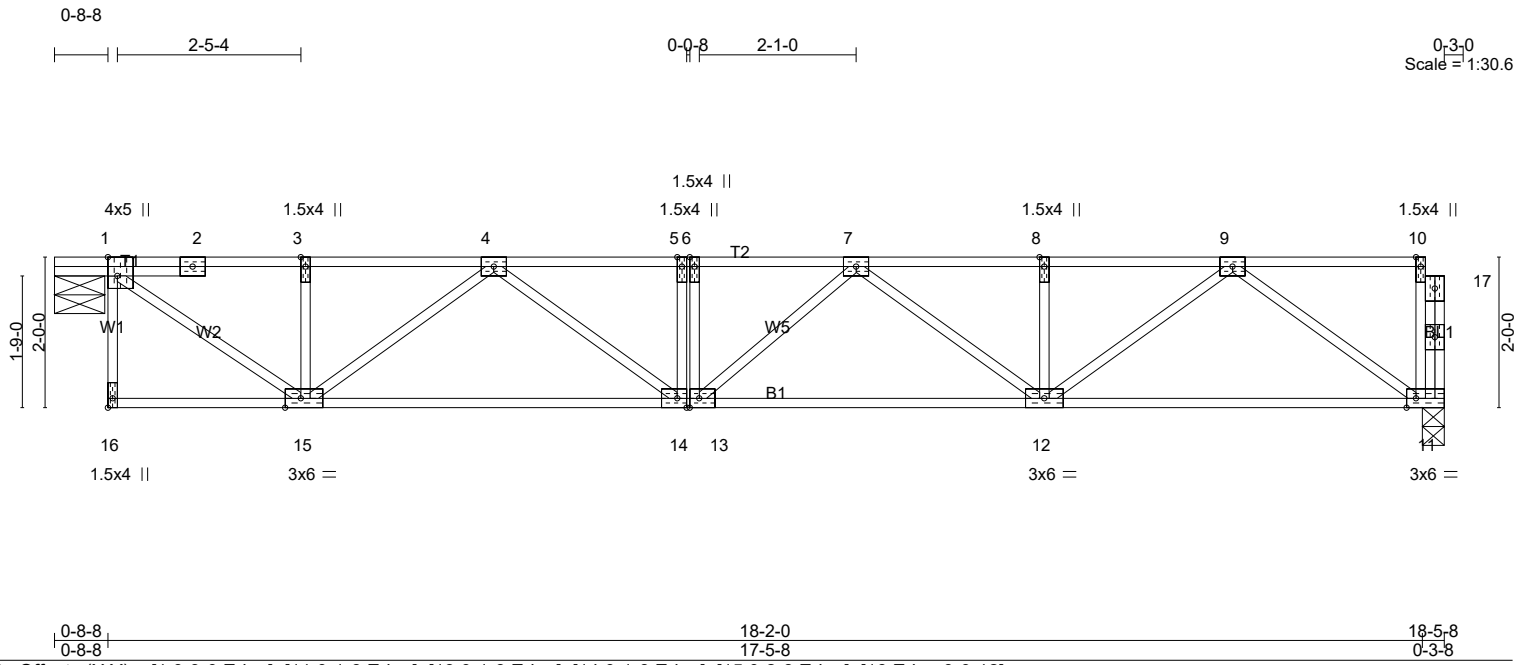

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [11:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [15:0-2-8,Edge], [16:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.07	12-13	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.09	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=642/0-8-0 (min. 0-1-8), 11=633/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-773/0, 2-3=-770/0, 3-4=-770/0, 4-5=-1490/0, 5-6=-1490/0, 6-7=-1490/0, 7-8=-1265/0, 8-9=-1265/0
BOT CHORD 14-15=0/1244, 13-14=0/1490, 12-13=0/1484, 11-12=0/778
WEBS 9-11=-951/0, 1-15=0/943, 9-12=0/608, 4-15=-593/0, 7-12=-274/0, 4-14=0/357

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F02B	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:35 2022 Page 1
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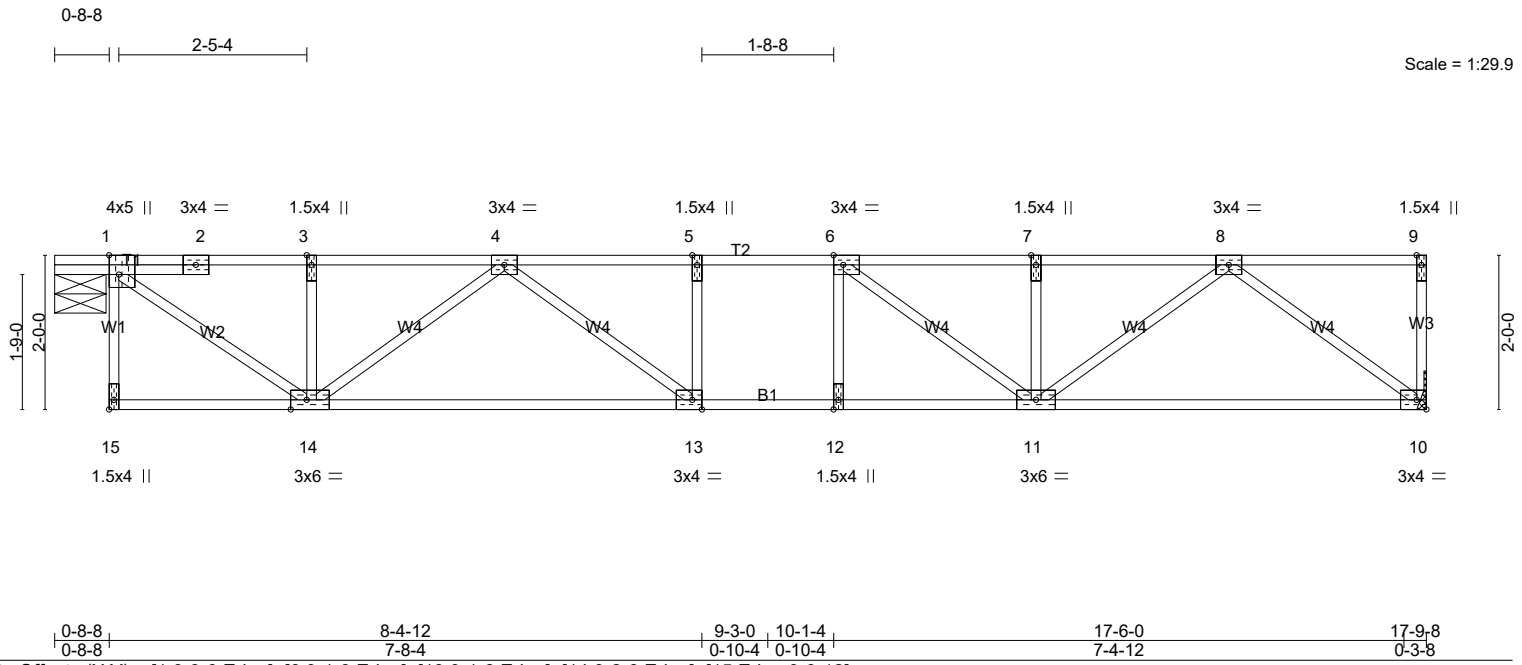

0-8-8	8-4-12	9-3-0	10-1-4	17-6-0	17-9-8
0-8-8	7-8-4	0-10-4	0-10-4	7-4-12	0-3-8

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [6:0-1-8,Edge], [13:0-1-8,Edge], [14:0-2-8,Edge], [15:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.11	13-14	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.15	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=622/0-8-0 (min. 0-1-8), 10=622/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-746/0, 2-3=-744/0, 3-4=-744/0, 4-5=-1404/0, 5-6=-1404/0, 6-7=-1194/0, 7-8=-1194/0
BOT CHORD 13-14=0/1191, 12-13=0/1404, 11-12=0/1404, 10-11=0/722
WEBS 8-10=-902/0, 1-14=0/911, 8-11=0/590, 4-14=-559/0, 6-11=-384/0, 4-13=0/373

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F02C	Floor	9	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:36 2022 Page 1
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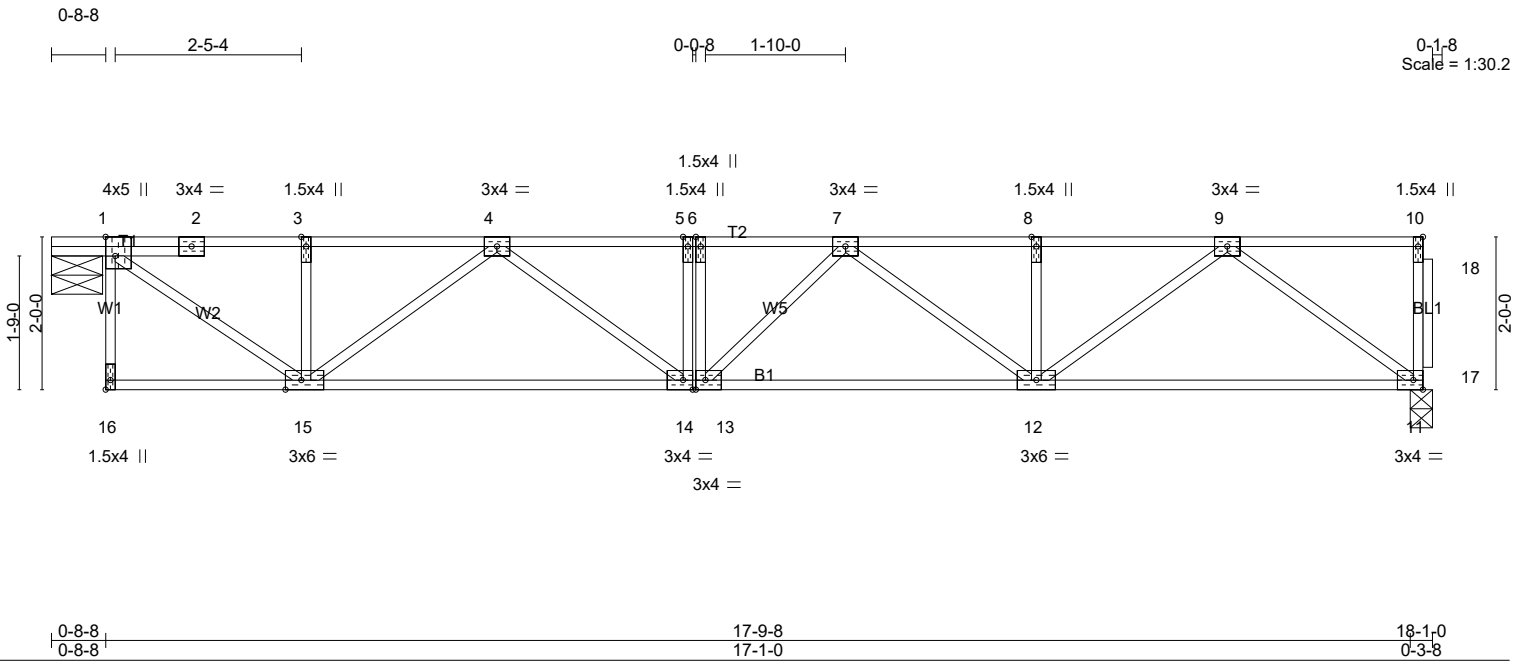

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [15:0-2-8,Edge], [16:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.06	13	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.09	14-15	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 94 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=628/0-8-0 (min. 0-1-8), 11=628/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-754/0, 2-3=-751/0, 3-4=-751/0, 4-5=-1432/0, 5-6=-1432/0, 6-7=-1432/0, 7-8=-1210/0, 8-9=-1210/0
BOT CHORD 14-15=0/1208, 13-14=0/1432, 12-13=0/1423, 11-12=0/730
WEBS 9-11=-913/0, 1-15=0/920, 9-12=0/600, 4-15=-570/0, 7-12=-266/0, 4-14=0/333

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F03	Floor	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:37 2022 Page 1
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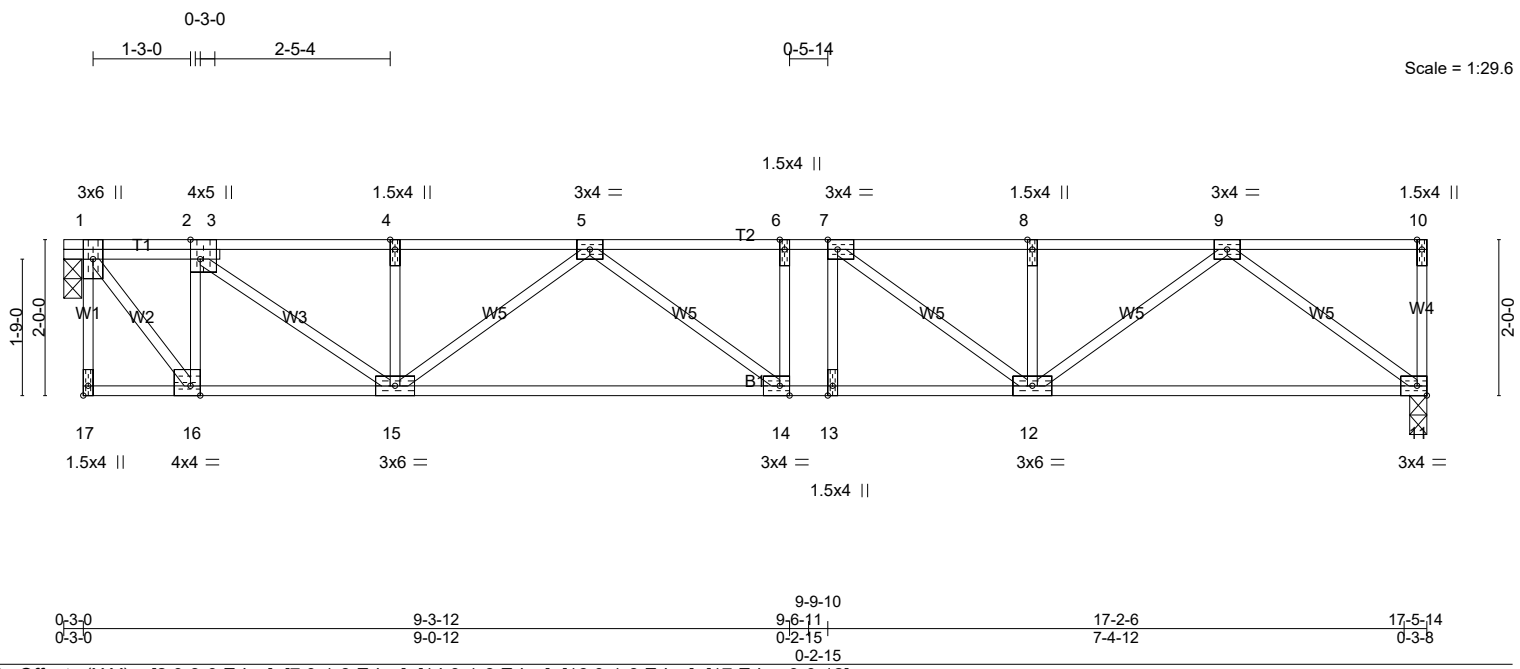

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [7:0-1-8,Edge], [14:0-1-8,Edge], [16:0-1-8,Edge], [17:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.06	14-15	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.11	14-15	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=628/0-2-12 (min. 0-1-8), 11=628/0-2-10 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-433/0, 2-3=-1031/0, 3-4=-1035/0, 4-5=-1035/0, 5-6=-1436/0, 6-7=-1436/0, 7-8=-1207/0, 8-9=-1207/0
BOT CHORD 15-16=0/433, 14-15=0/1359, 13-14=0/1436, 12-13=0/1436, 11-12=0/729
WEBS 2-16=-562/0, 1-16=0/716, 9-11=-912/0, 2-15=0/738, 9-12=0/597, 5-15=-404/0, 7-12=-357/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 11.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F03A	Floor	6	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:38 2022 Page 1
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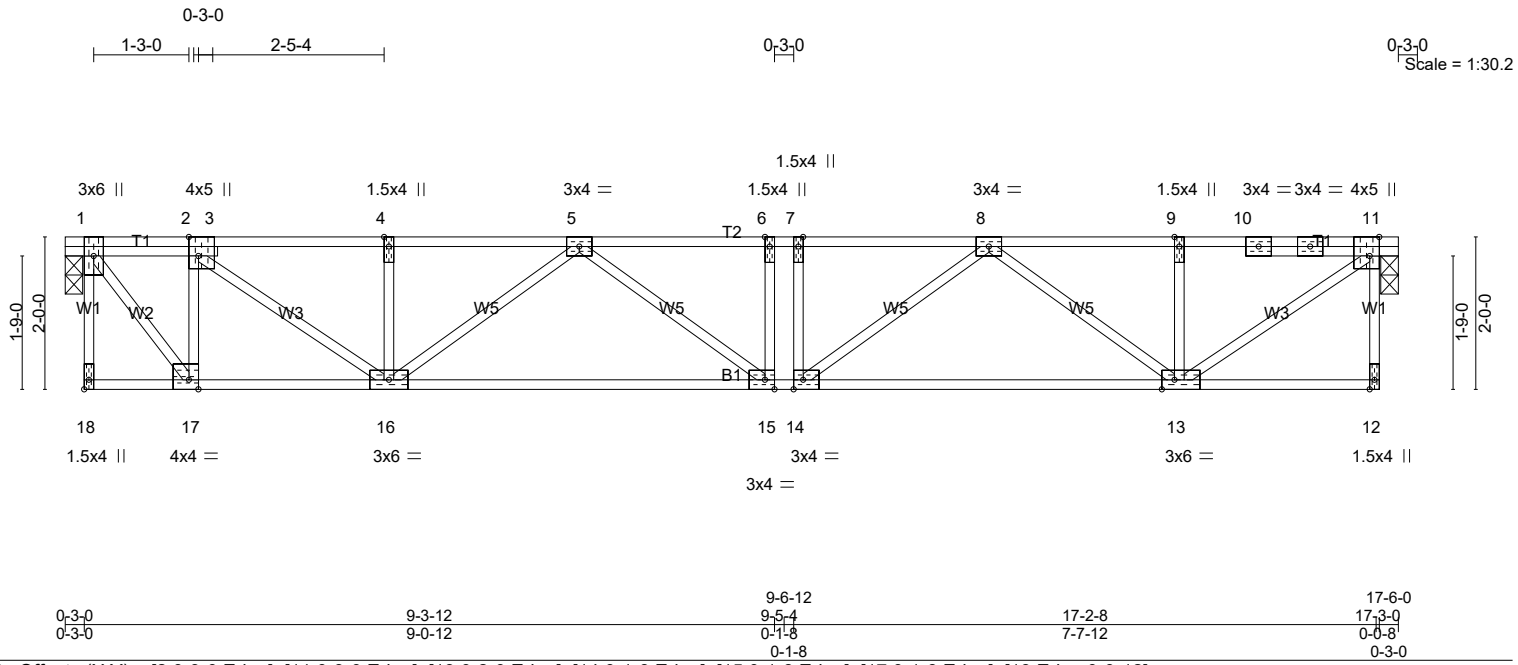

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [11:0-3-0,Edge], [13:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [17:0-1-8,Edge], [18:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.06	15-16	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.10	15-16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 95 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=619/0-2-12 (min. 0-1-8), 11=619/0-2-12 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-427/0, 2-3=-1012/0, 3-4=-1016/0, 4-5=-1016/0, 5-6=-1402/0, 6-7=-1402/0, 7-8=-1402/0, 8-9=-738/0, 9-10=-738/0, 10-11=-740/0
BOT CHORD 16-17=0/427, 15-16=0/1328, 14-15=0/1402, 13-14=0/1183
WEBS 2-17=-553/0, 1-17=0/706, 11-13=0/904, 2-16=0/722, 8-13=-556/0, 5-16=-389/0, 8-14=0/337

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 11.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F03B	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:39 2022 Page 1
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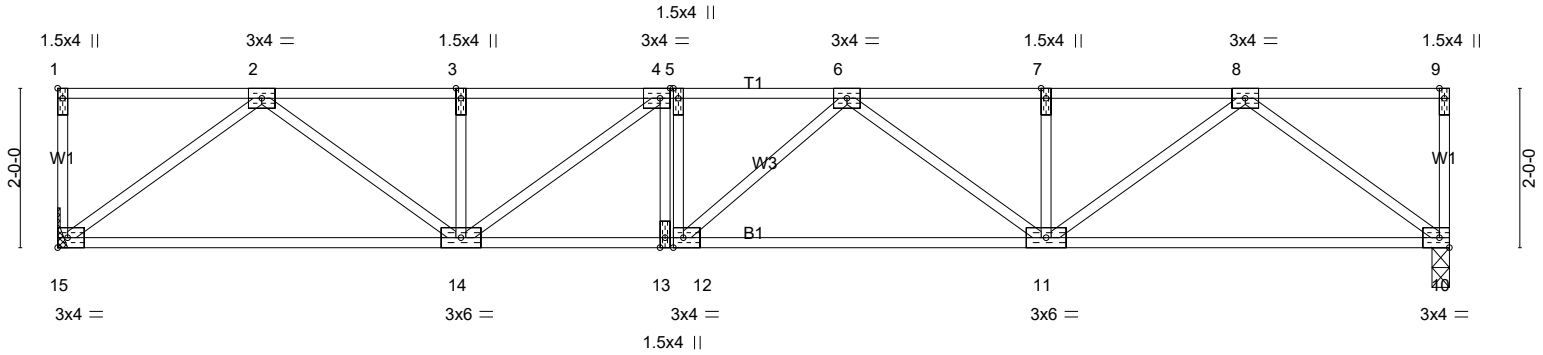

17-2-2 17-5-10
17-2-2 0-3-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [12:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.06	12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.09	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.03	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 10=636/0-2-10 (min. 0-1-8), 15=636/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1231/0, 3-4=-1231/0, 4-5=-1464/0, 5-6=-1464/0, 6-7=-1232/0, 7-8=-1232/0
BOT CHORD 14-15=0/741, 13-14=0/1464, 12-13=0/1464, 11-12=0/1456, 10-11=0/741
WEBS 8-10=-927/0, 2-15=-926/0, 8-11=0/613, 2-14=0/612, 6-11=-280/0, 4-14=-339/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F04	Floor	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:40 2022 Page 1
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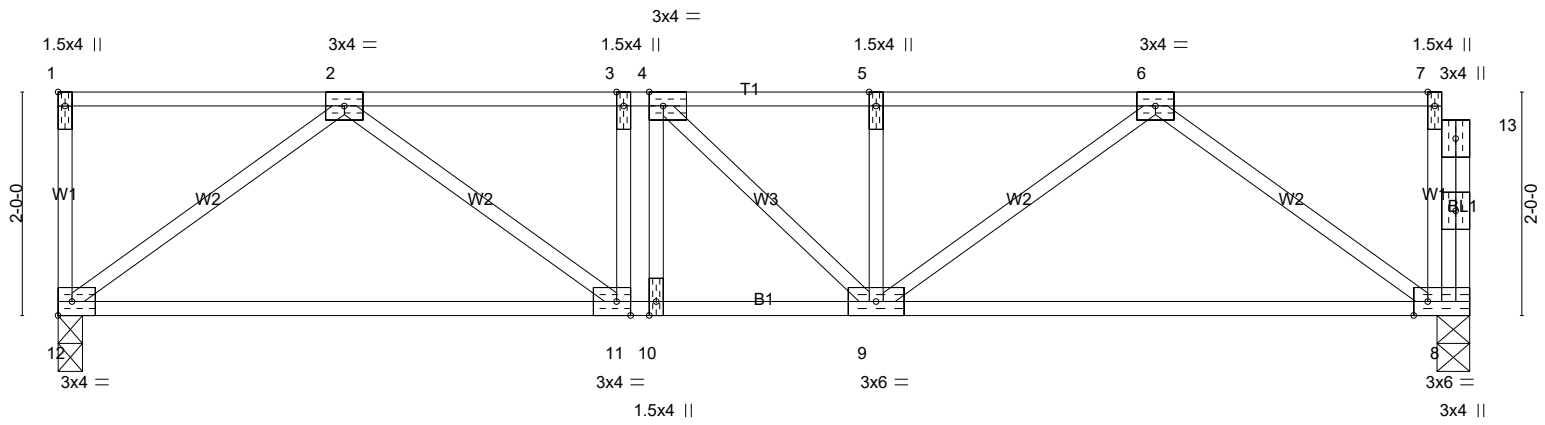
2-5-4 | 0-2-0 | 1-10-2 | 0-3-0

Scale = 1:20.6



5-1-8 | 6-2-5 | 7-3-2 | 12-4-2 | 12-7-10
5-1-8 | 1-0-13 | 1-0-13 | 5-1-0 | 0-3-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.02	9-10	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.05	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 70 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 8=446/0-3-8 (min. 0-1-8), 12=454/0-2-10 (min. 0-1-8)

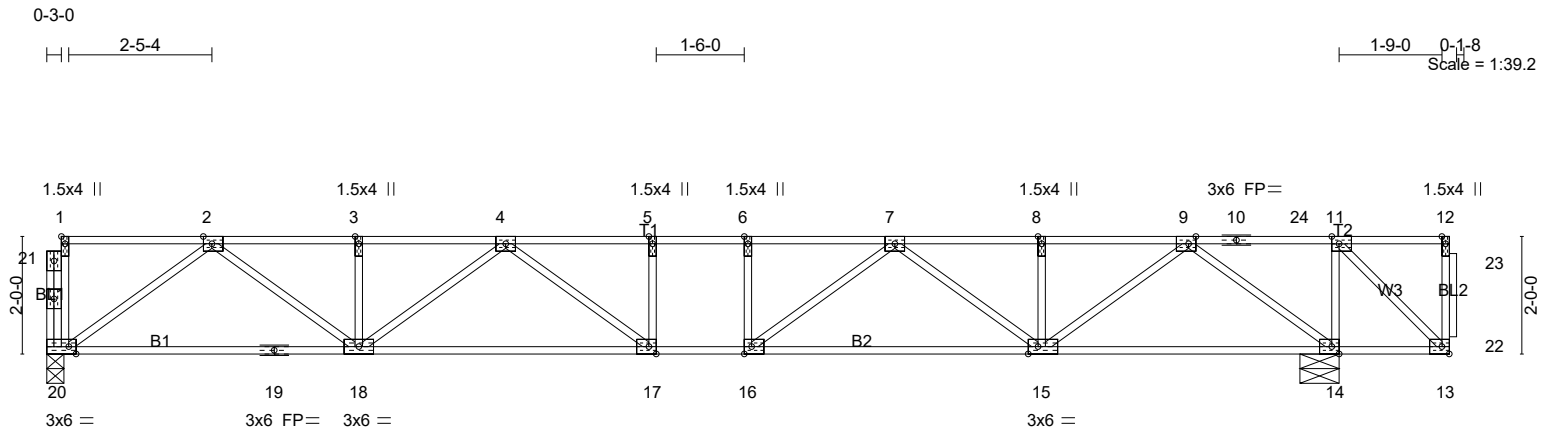
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-742/0, 3-4=-742/0, 4-5=-749/0, 5-6=-749/0
BOT CHORD 11-12=0/501, 10-11=0/742, 9-10=0/742, 8-9=0/517
WEBS 6-8=-630/0, 2-12=-626/0, 6-9=0/290, 2-11=0/301

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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F04A	Floor	6	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:41 2022 Page 1
ID:MIN_sBZ2H5RHwyIn3cL?L0zaOV4-p41Nm1ezNFiEwTozKhBZrli6EufTtqHfBylt8TzaMSa



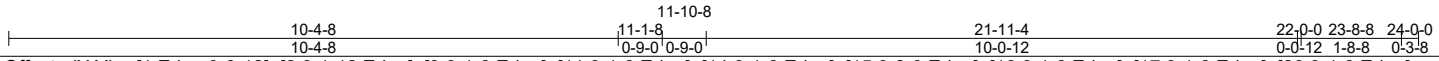


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-12,Edge], [9:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,Edge], [15:0-2-0,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [20:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.45	Vert(LL)	-0.19	17-18	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.25	17-18	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 123 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14.

REACTIONS. (lb/size) 14=941/0-8-0 (min. 0-1-8), 20=783/0-3-8 (min. 0-1-8)
Max Grav 14=941(LC 1), 20=787(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1684/0, 3-4=-1684/0, 4-5=-2301/0, 5-6=-2301/0, 6-7=-2301/0, 7-8=-1642/0, 8-9=-1642/0
BOT CHORD 19-20=0/994, 18-19=0/994, 17-18=0/2111, 16-17=0/2301, 15-16=0/2086, 14-15=0/934
WEBS 2-20=-1216/0, 9-14=-1171/0, 2-18=0/863, 9-15=0/893, 4-18=-533/0, 7-15=-562/0, 4-17=-47/423, 7-16=-16/455

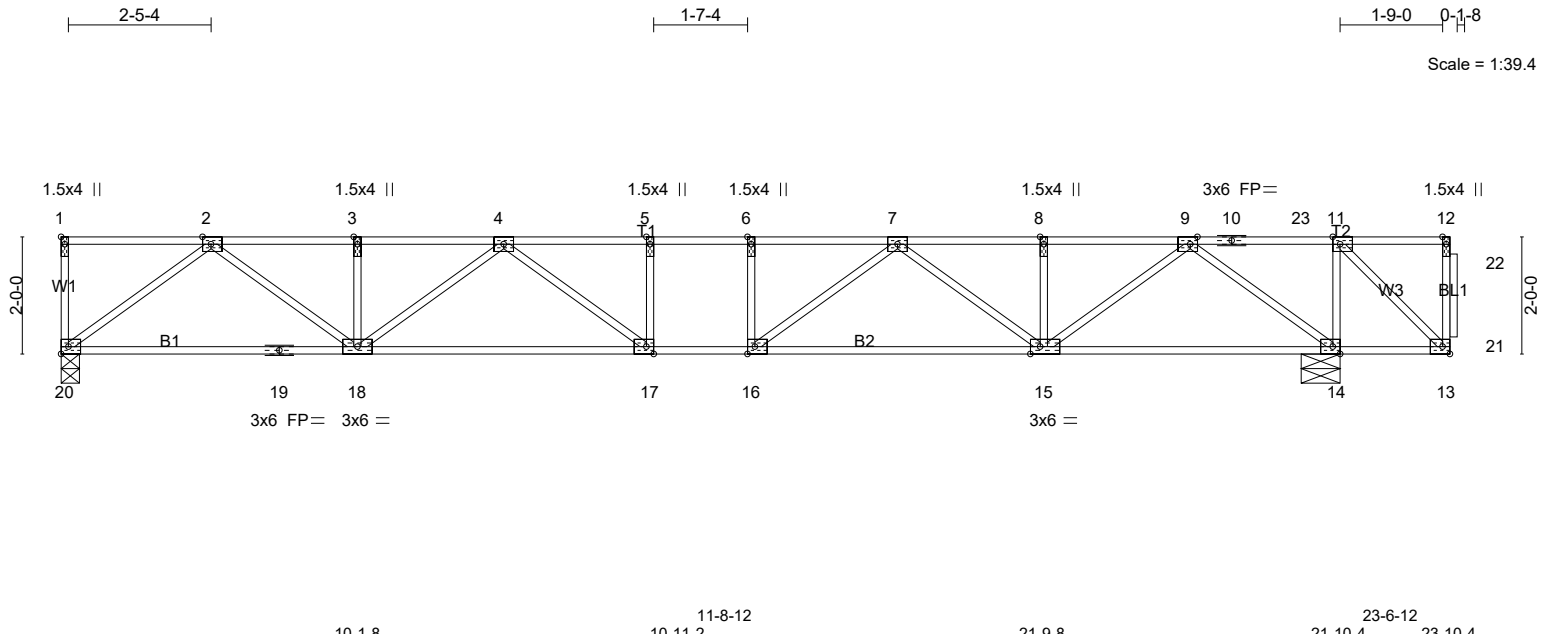
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F04B	Floor Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:42 2022 Page 1
ID:MIN_sBZ2H5RHwyIn3cL?L0zaOV4-HHbmzNeb8Yq5YdNAuOioOVFErIzVcGhoQcUQgwzaMSZ



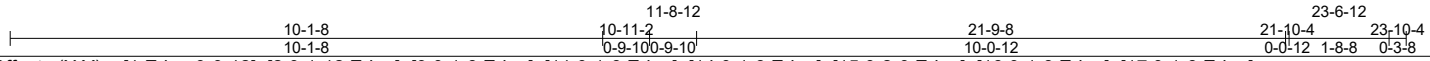


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-12,Edge], [9:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,Edge], [15:0-2-0,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.20	17-18	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.26	17-18	>993	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 119 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14.

REACTIONS. (lb/size) 14=1331/0-8-0 (min. 0-1-8), 20=775/0-3-12 (min. 0-1-8)
Max Grav 14=1331(LC 1), 20=778(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1611/0, 3-4=-1611/0, 4-5=-2202/0, 5-6=-2202/0, 6-7=-2202/0, 7-8=-1497/0, 8-9=-1497/0
BOT CHORD 19-20=0/932, 18-19=0/932, 17-18=0/2027, 16-17=0/2202, 15-16=0/1960, 14-15=0/761
WEBS 11-14=-604/0, 2-20=-1165/0, 9-14=-1161/0, 2-18=0/849, 9-15=0/927, 4-18=-520/0, 7-15=-585/0, 4-17=-71/402, 7-16=0/494, 11-13=0/305

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-20=-7, 1-11=-67, 11-12=-267

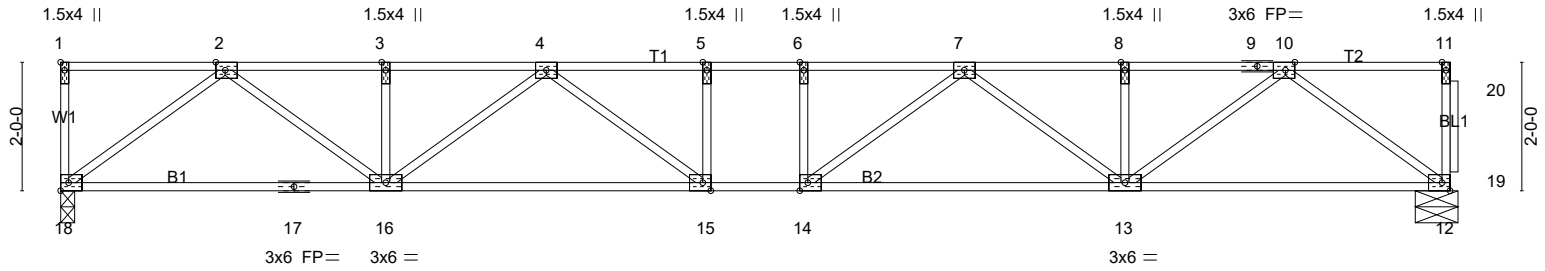
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F04C	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:43 2022 Page 1
ID:MIN_sBZ2H5RHwyIn3cL?L0zaOV4-IT98BjfDvsyyAnxMS6D2wjnSWhKXLjtyeGE_CMzaMSY

2-5-4 1-4-10 0-1-8

Scale = 1:35.9



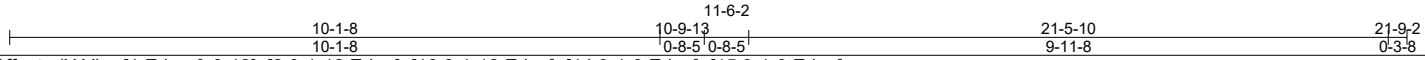


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-12,Edge], [10:0-1-12,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.17	13-14	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.23	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 107 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 12=789/0-8-0 (min. 0-1-8), 18=789/0-2-10 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1638/0, 3-4=-1638/0, 4-5=-2264/0, 5-6=-2264/0, 6-7=-2264/0, 7-8=-1638/0, 8-9=-1638/0, 9-10=-1638/0
BOT CHORD 17-18=0/945, 16-17=0/945, 15-16=0/2068, 14-15=0/2264, 13-14=0/2068, 12-13=0/945
WEBS 10-12=-1181/0, 2-18=-1181/0, 10-13=0/866, 2-16=0/866, 7-13=-538/0, 4-16=-538/0, 7-14=-30/421, 4-15=-30/421

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 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) 18.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F04D	Floor Supported Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:44 2022 Page 1
ID:MIN_sBZ2H5RHwyIn3cL?L0zaOV4-DfjWO2grfA4pnxWY?plHTwKjn5o?4DZ5twzXlozaMSX

0-1-8

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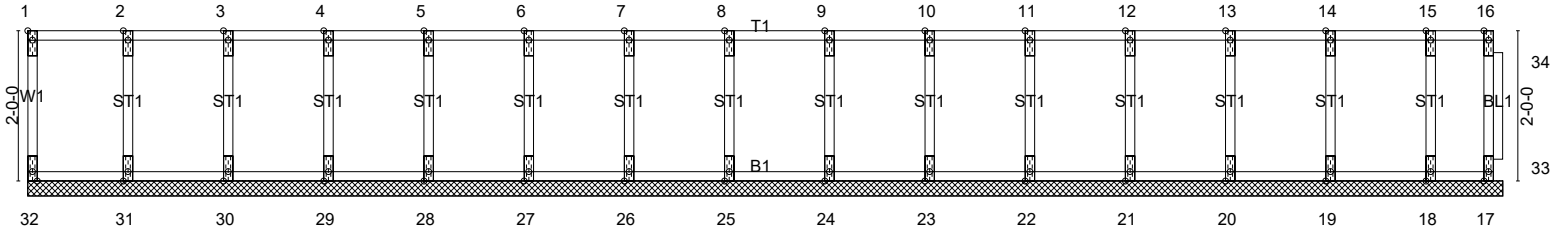


19-4-0
19-4-0

19-7-8
0-3-8

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

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	17	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 93 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 19-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18

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

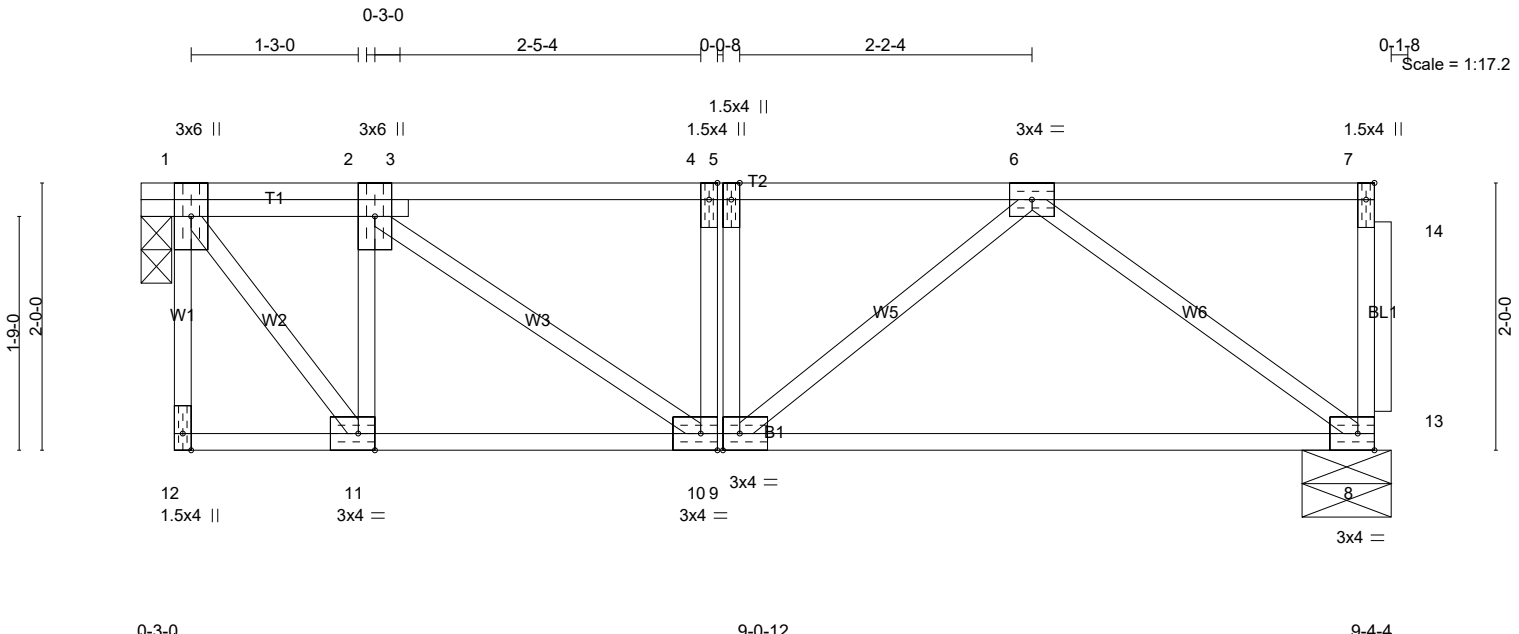
NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Attach ribbon block to truss with 3-10d nails applied to flat face.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F05	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:45 2022 Page 1
ID:MIN_sBZ2H5RHwyIn3cL?L0zaOV4-hsHubOhTQTDfP55lZXGW08tsHV66pfkE6aj4HFzaMSW



0-3-0 9-0-12 9-4-4
0-3-0 8-9-12 0-3-8

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.01	8-9	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.03	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 55 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=325/0-2-12 (min. 0-1-8), 8=325/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-408/0, 3-4=-397/0, 4-5=-397/0, 5-6=-397/0
BOT CHORD 9-10=0/397, 8-9=0/327
WEBS 2-11=-280/0, 1-11=0/367, 6-8=-409/0

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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F05A	Floor Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:46 2022 Page 1
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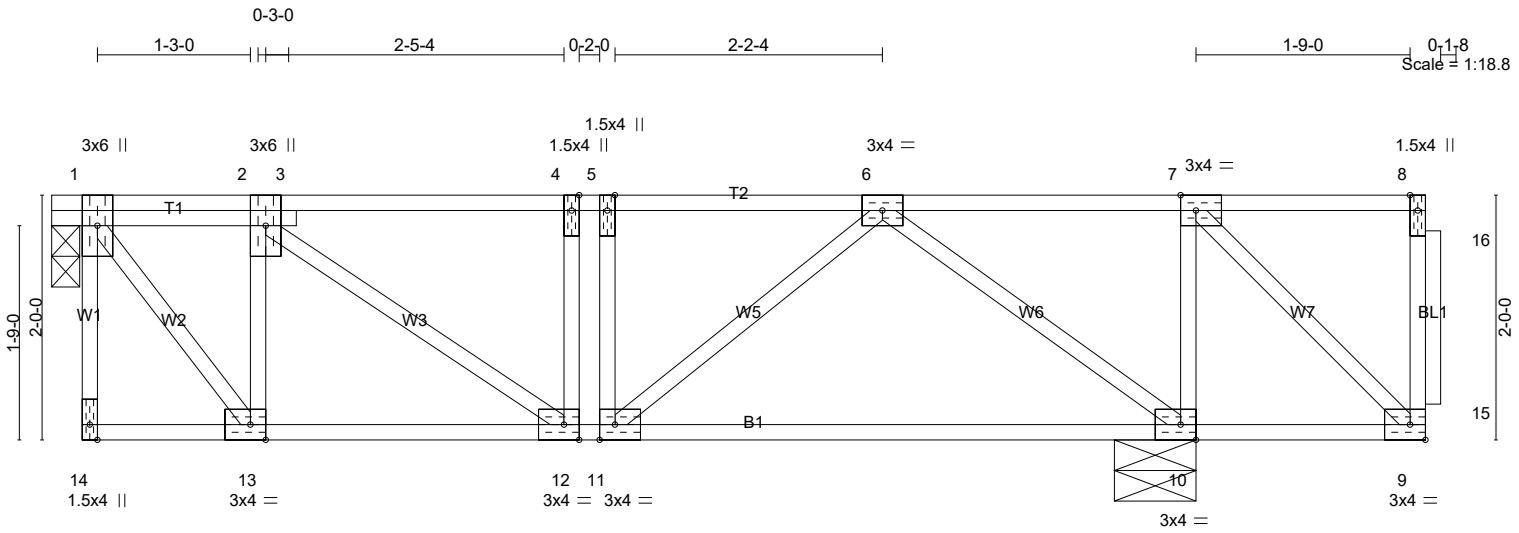

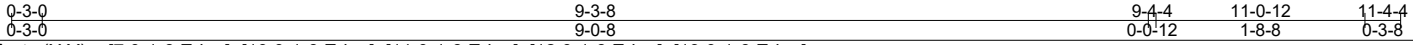

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	0.01	10-11	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.02	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 67 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 1=276/0-2-12 (min. 0-1-8), 10=895/0-8-0 (min. 0-1-8)
Max Grav 1=286(LC 3), 10=895(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-326/0, 3-4=-313/2, 4-5=-313/2, 5-6=-313/2
BOT CHORD 11-12=-2/313
WEBS 1-13=0/325, 7-10=-605/0, 6-10=-436/0, 7-9=0/310

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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-14=-7, 1-7=-67, 7-8=-267

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F06	Floor	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:47 2022 Page 1
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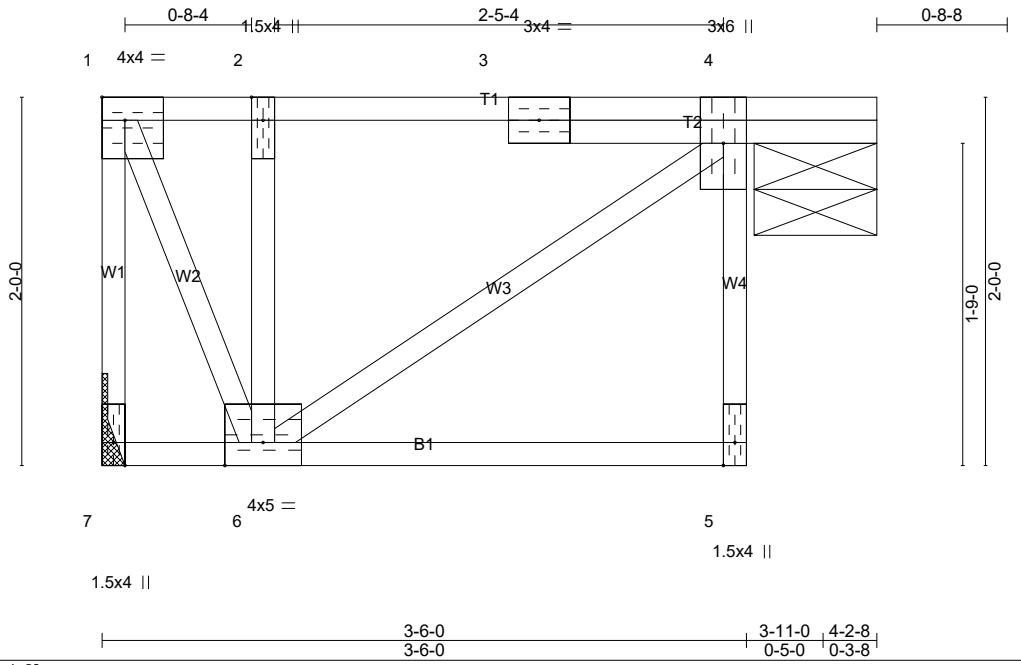

Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.00	6	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	-0.00	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 27 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=124/Mechanical, 4=124/0-8-0 (min. 0-1-8)

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

NOTES-
1) Refer to girder(s) for truss to truss connections.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F06A	Floor	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:48 2022 Page 1
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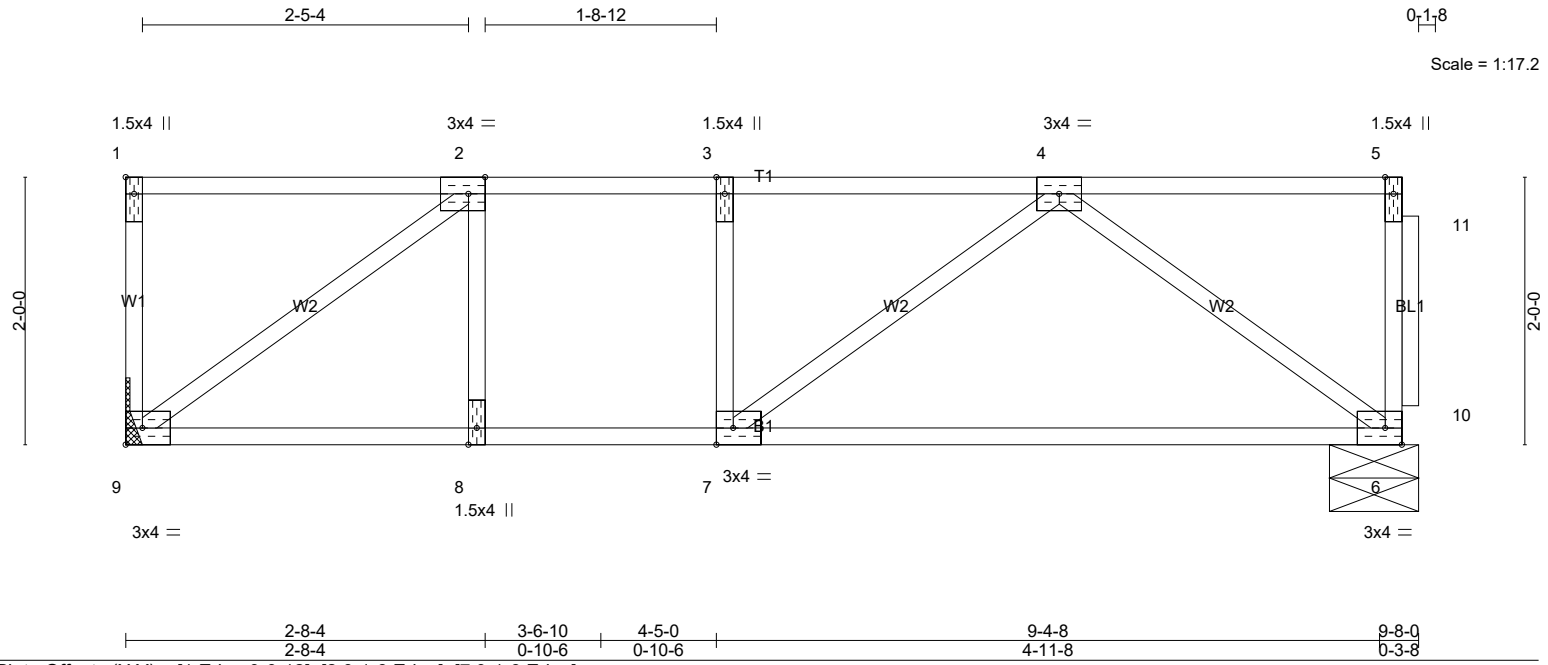

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.10	6-7	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.15	6-7	>739	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 49 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 6=345/0-8-0 (min. 0-1-8), 9=345/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-409/0, 3-4=-409/0
BOT CHORD 8-9=0/409, 7-8=0/409, 6-7=0/354
WEBS 4-6=-443/0, 2-9=-507/0

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F07	Floor	7	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:48 2022 Page 1
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2-5-4 1-8-0 0-1-8

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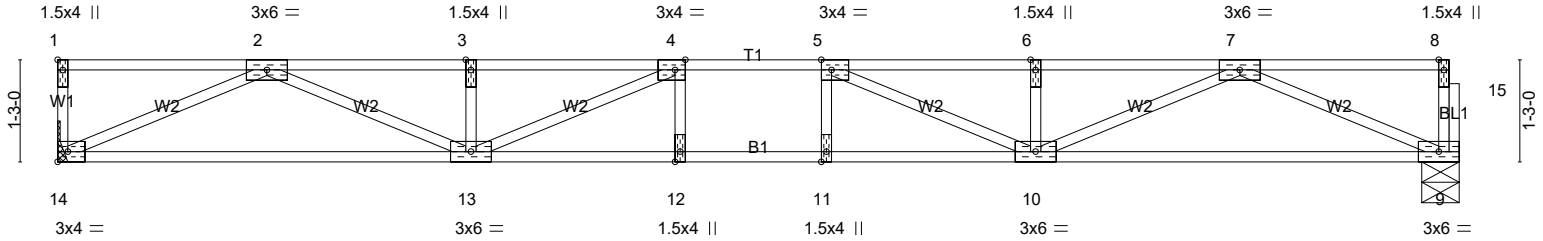

7-8-4 8-6-4 9-4-4 16-10-8 17-2-0
7-8-4 0-10-0 0-10-0 7-6-4 0-3-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.15	11-12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.21	11-12	>966	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 77 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=618/0-5-8 (min. 0-1-8), 14=623/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1987/0, 3-4=-1987/0, 4-5=-2336/0, 5-6=-2002/0, 6-7=-2002/0
BOT CHORD 13-14=0/1201, 12-13=0/2336, 11-12=0/2336, 10-11=0/2336, 9-10=0/1224
WEBS 7-9=-1333/0, 2-14=-1317/0, 7-10=0/853, 2-13=0/863, 5-10=-540/0, 4-13=-551/0

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F07A	Floor	6	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:49 2022 Page 1
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2-5-4 1-4-0

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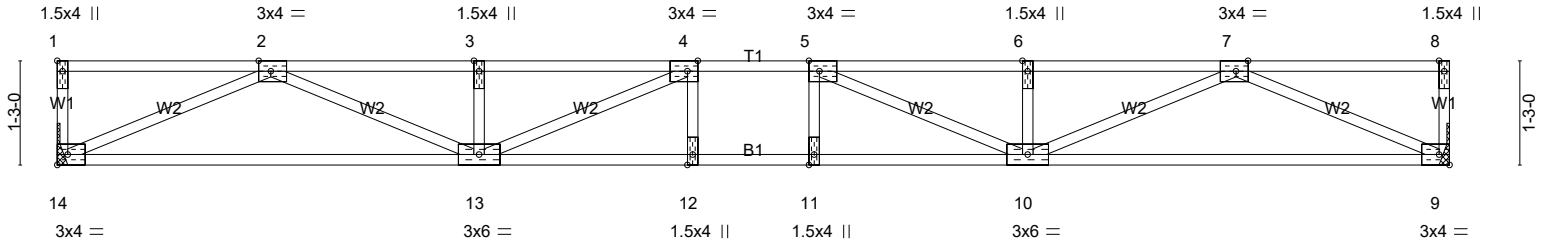

7-8-4 8-4-4 9-0-4 16-5-0 16-8-8
7-8-4 0-8-0 0-8-0 7-4-12 0-3-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-12,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-1-12,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.14	11-12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.19	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 75 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=608/Mechanical, 14=608/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1924/0, 3-4=-1924/0, 4-5=-2235/0, 5-6=-1924/0, 6-7=-1924/0
BOT CHORD 13-14=0/1168, 12-13=0/2235, 11-12=0/2235, 10-11=0/2235, 9-10=0/1168
WEBS 7-9=-1281/0, 2-14=-1281/0, 7-10=0/829, 2-13=0/829, 5-10=-498/0, 4-13=-498/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT03	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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3-8-12 0-10-10

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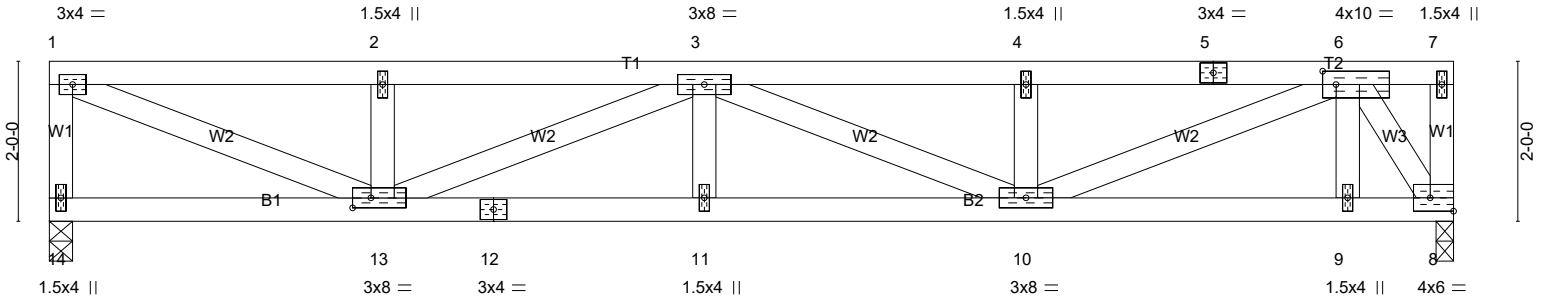

	4-2-0	8-2-4	12-2-8	16-2-12	17-3-2	17-6-10
	4-2-0	4-0-4	4-0-4	4-0-4	1-0-6	0-3-8

Plate Offsets (X,Y)-- [6:0-2-0,0-2-0], [8:Edge,0-2-0], [13:0-2-12,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.09	10-11	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.12	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 166 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

REACTIONS. (lb/size) 14=974/0-3-8 (min. 0-1-8), 8=5292/0-2-10 (req. 0-2-13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-949/0, 1-2=-1980/0, 2-3=-1980/0, 3-4=-3789/0, 4-5=-3789/0, 5-6=-3789/0
BOT CHORD 12-13=0/3213, 11-12=0/3213, 10-11=0/3213, 9-10=0/3552, 8-9=0/3552
WEBS 2-13=-280/0, 4-10=-297/0, 6-8=-6107/0, 6-10=0/257, 3-10=0/626, 3-13=-1340/0, 1-13=0/2100

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 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) The Fabrication Tolerance at joint 12 = 11%, joint 5 = 11%
4) WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-7, 1-7=-67
Concentrated Loads (lb)
Vert: 6=-5000

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT03A	FLOOR GIRDER	1	3	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:51 2022 Page 1
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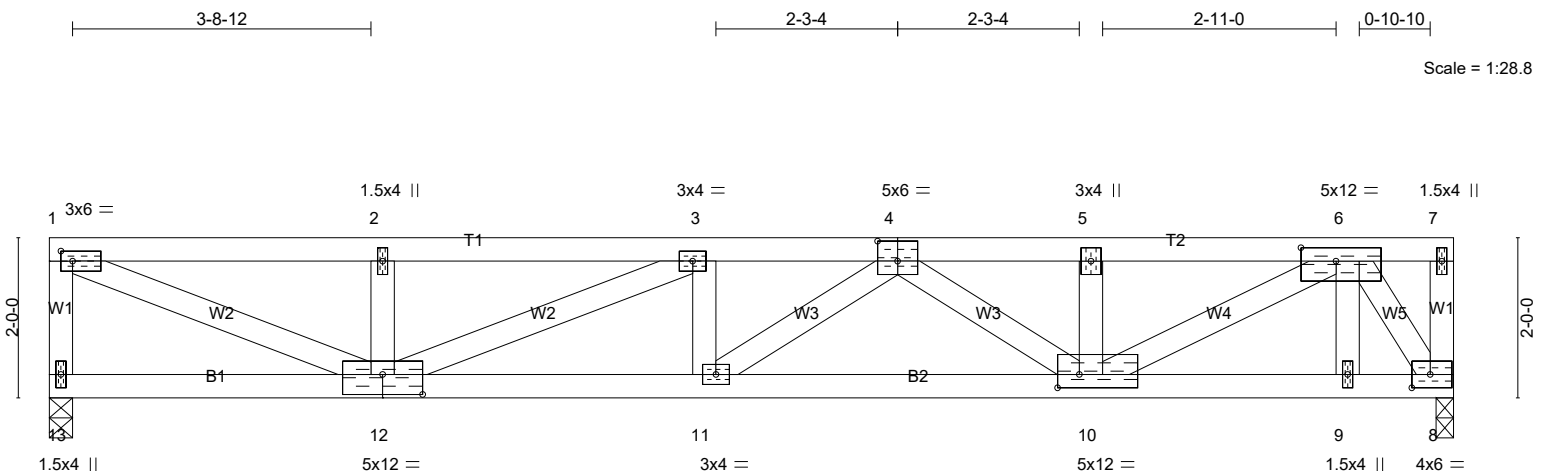

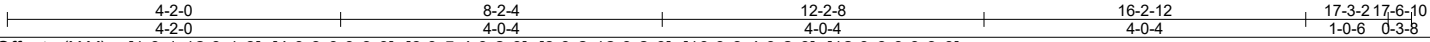

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [4:0-3-0,0-3-0], [6:0-5-4,0-2-0], [8:0-2-12,0-2-0], [10:0-3-4,0-2-0], [12:0-6-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.22	10-11	>956	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.30	10-11	>693	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 251 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2 *Except*
B2: 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 13=2791/0-3-8 (min. 0-1-8), 8=7774/0-2-10 (req. 0-2-12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-2739/0, 1-2=-6201/0, 2-3=-6201/0, 3-4=-11674/0, 4-5=-17041/0, 5-6=-17041/0
BOT CHORD 11-12=0/11674, 10-11=0/14624, 9-10=0/5524, 8-9=0/5524
WEBS 3-11=0/2180, 2-12=-286/0, 5-10=-8024/0, 6-8=-9552/0, 6-10=0/13049, 3-12=-5947/0, 1-12=0/6635, 4-10=0/2961, 4-11=-3612/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-13=-7, 1-7=-67
Concentrated Loads (lb)
Vert: 6=-1100 5=-8200

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT05	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:52 2022 Page 1
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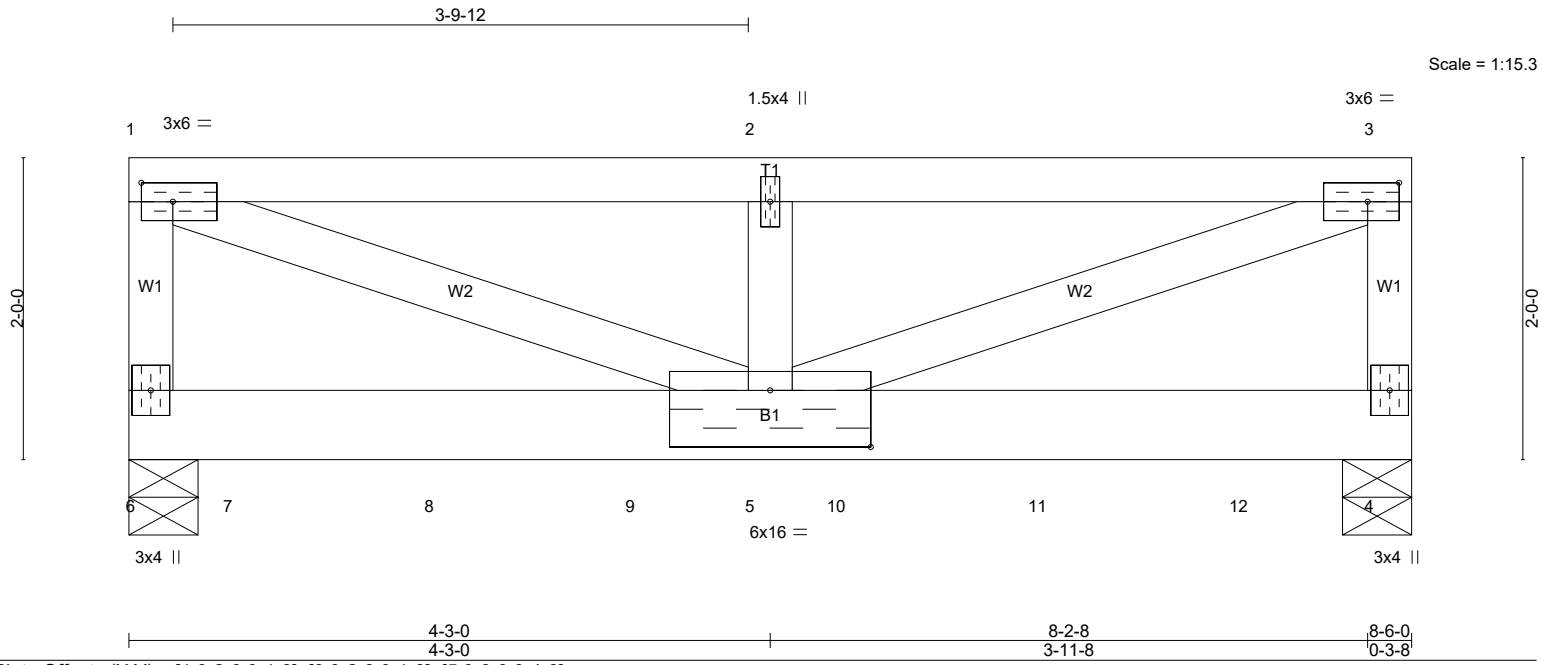

Plate Offsets (X,Y)-- [1:0-2-8,0-1-8], [3:0-2-8,0-1-8], [5:0-8-0,0-4-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.04	5-6	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.06	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.37	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 91 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

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

REACTIONS. (lb/size) 6=2167/0-5-8 (min. 0-1-8), 4=2057/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1372/0, 3-4=-1372/0, 1-2=-3149/0, 2-3=-3149/0
WEBS 2-5=-297/0, 1-5=0/3387, 3-5=0/3387

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 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 604 lb down at 0-9-8, 604 lb down at 2-1-8, 604 lb down at 3-5-8, 604 lb down at 4-9-8, and 604 lb down at 6-1-8, and 604 lb down at 7-5-8 on bottom 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 (plf)
Vert: 4-6=-7, 1-3=-67
Concentrated Loads (lb)
Vert: 7=-604(F) 8=-604(F) 9=-604(F) 10=-604(F) 11=-604(F) 12=-604(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT06	FLOOR GIRDER	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 10:24:53 2022 Page 1
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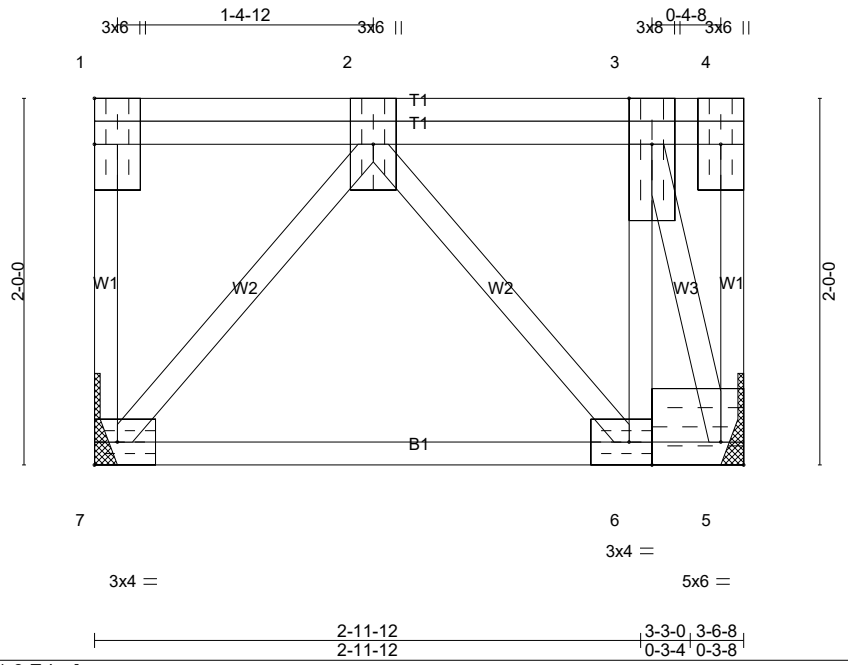

Plate Offsets (X,Y)-- [5:Edge,0-1-8], [6:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	-0.00	6-7	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 58 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=623/Mechanical, 5=3028/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-253/0, 2-3=-761/0
BOT CHORD 6-7=0/475, 5-6=0/761
WEBS 3-6=-362/0, 2-6=0/456, 2-7=-758/0, 3-5=-2861/0

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) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-7=-7, 1-4=-67
Concentrated Loads (lb)
Vert: 3=-3400

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT06A	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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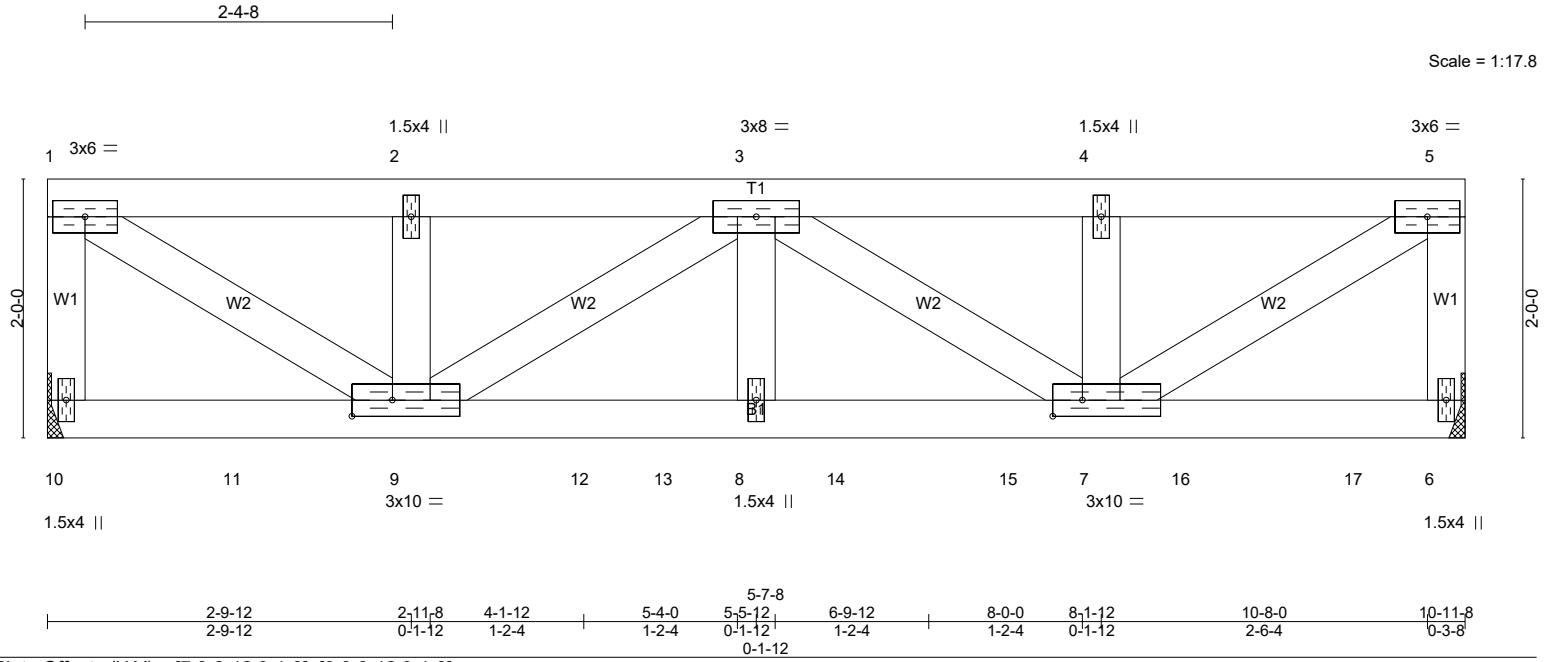


Plate Offsets (X,Y)-- [7:0-2-12,0-1-8], [9:0-3-12,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	-0.04	8-9	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.06	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 109 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

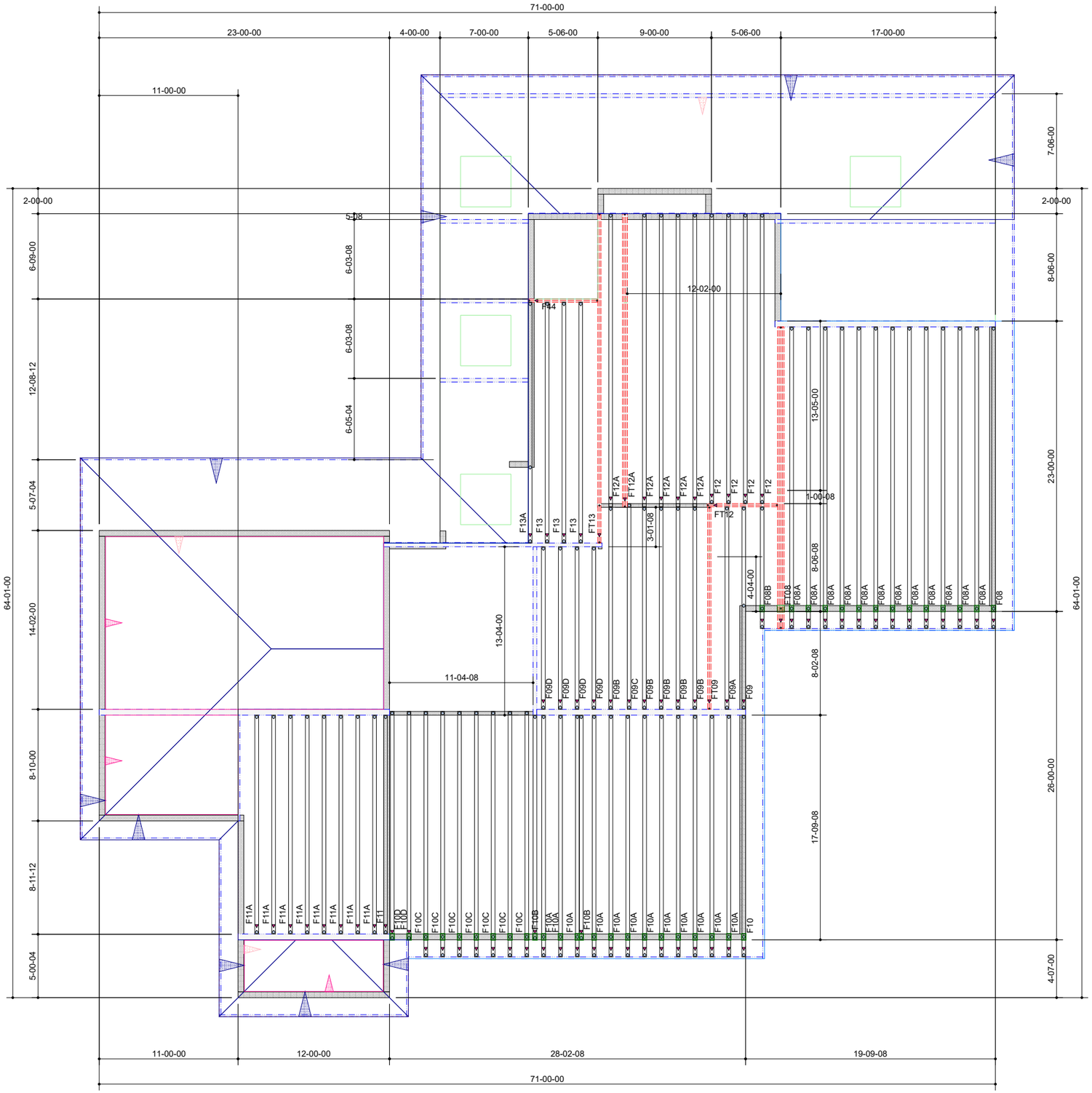
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=1615/Mechanical, 6=1850/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1469/0, 5-6=-1507/0, 1-2=-2173/0, 2-3=-2173/0, 3-4=-2270/0, 4-5=-2270/0
BOT CHORD 9-12=0/3138, 12-13=0/3138, 8-13=0/3138, 8-14=0/3138, 14-15=0/3138, 7-15=0/3138
WEBS 3-8=0/1003, 1-9=0/2541, 3-9=-1145/0, 3-7=-1030/0, 5-7=0/2602

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 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 121 lb down at 0-1-12, 119 lb down at 1-6-4, 119 lb down at 2-10-4, 618 lb down at 4-2-8, 341 lb down at 4-10-4, 341 lb down at 6-2-4, 341 lb down at 7-6-4, and 341 lb down at 8-10-4, and 341 lb down at 10-2-4 on bottom 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 (plf)
Vert: 6-10=-7, 1-5=-67
Concentrated Loads (lb)
Vert: 10=-121(B) 9=-119(B) 11=-119(B) 12=-618(B) 13=-341(B) 14=-341(B) 15=-341(B) 16=-341(B) 17=-341(B)



Project # 2200345	Date: 3/16/2022	
Sales: Ken Price (360) 384.9000-Ext:28 kprice@louwstruss.com	Name: BARCELO HOMES/93RD AVE 7216 93RD AVE SE MERCER ISLAND WA 98040	
Roof area: 3775.08 sq ft	Sub.: Lot: # 1	LOUWS TRUSS INCORPORATED 360.384.9000

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F08	Floor Supported Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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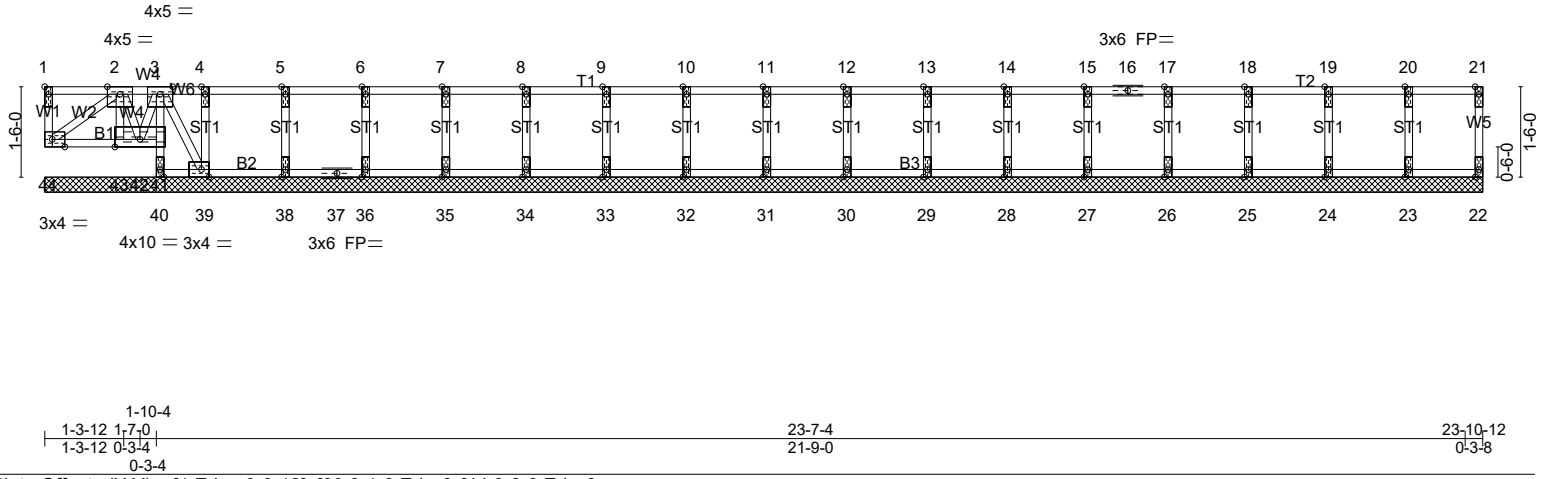

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [39:0-1-8,Edge], [44:0-2-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	22	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 103 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 23-10-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 43, 40, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 44, 42

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

NOTES-
1) All plates are 1.5x4 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) Bearing at joint(s) 44 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 43, 44, 42.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F08A	Floor	12	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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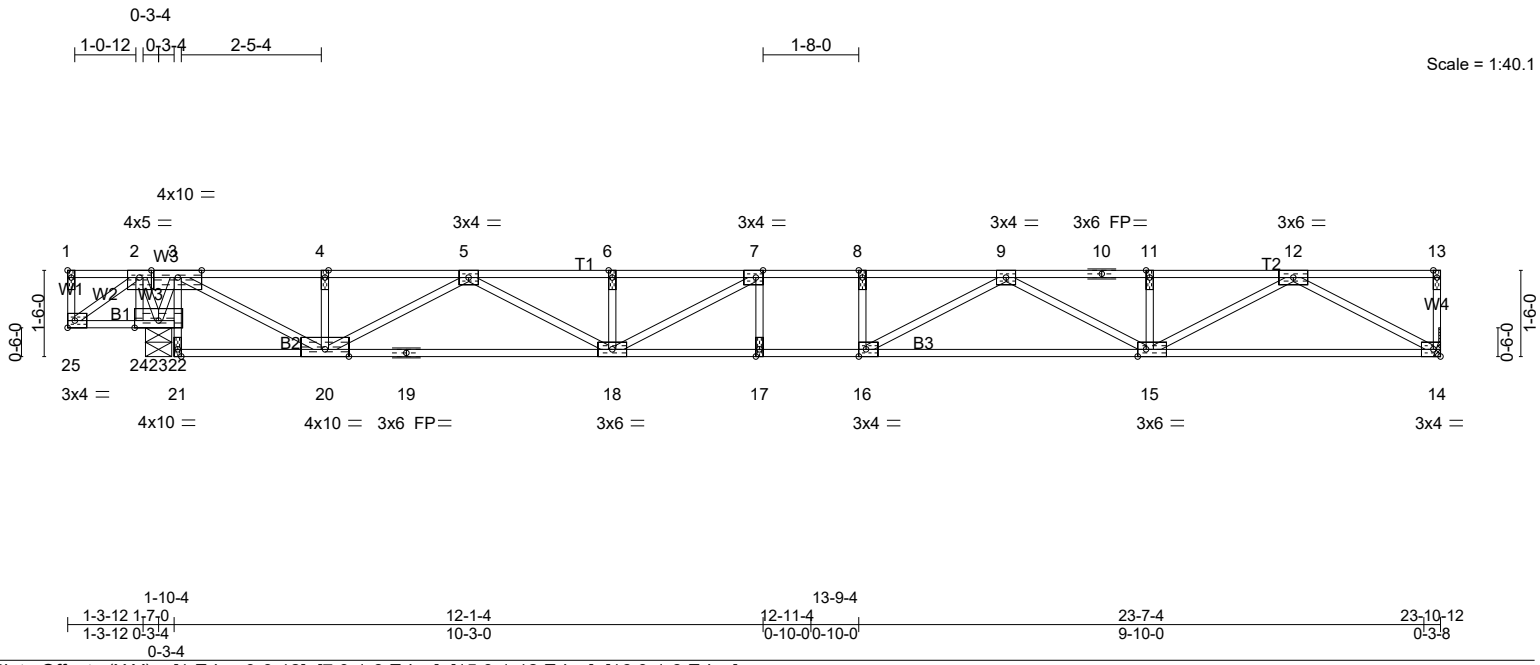

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [7:0-1-8,Edge], [15:0-1-12,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.26	15-16	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.37	15-16	>718	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 112 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 14=778/Mechanical, 24=-884/0-5-8 (min. 0-1-8), 22=1410/0-5-8 (min. 0-1-8), 23=440/0-5-8 (min. 0-1-8)
Max Uplift24=-987(LC 4)
Max Grav14=778(LC 4), 22=1467(LC 4), 23=440(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/397, 3-4=-984/0, 4-5=-984/0, 5-6=-2650/0, 6-7=-2650/0, 7-8=-2991/0, 8-9=-2991/0, 9-10=-2192/0, 10-11=-2192/0, 11-12=-2192/0
BOT CHORD 20-21=-361/0, 19-20=0/1974, 18-19=0/1974, 17-18=0/2991, 16-17=0/2991, 15-16=0/2758, 14-15=0/1268, 22-23=-568/0
WEBS 2-24=0/928, 3-22=-1472/0, 12-14=-1447/0, 3-20=0/1524, 12-15=0/1054, 5-20=-1130/0, 9-15=-646/0, 5-18=0/772, 9-16=-47/495, 7-18=-608/5, 2-23=-912/0, 3-23=0/531

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 987 lb uplift at joint 24.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F08B	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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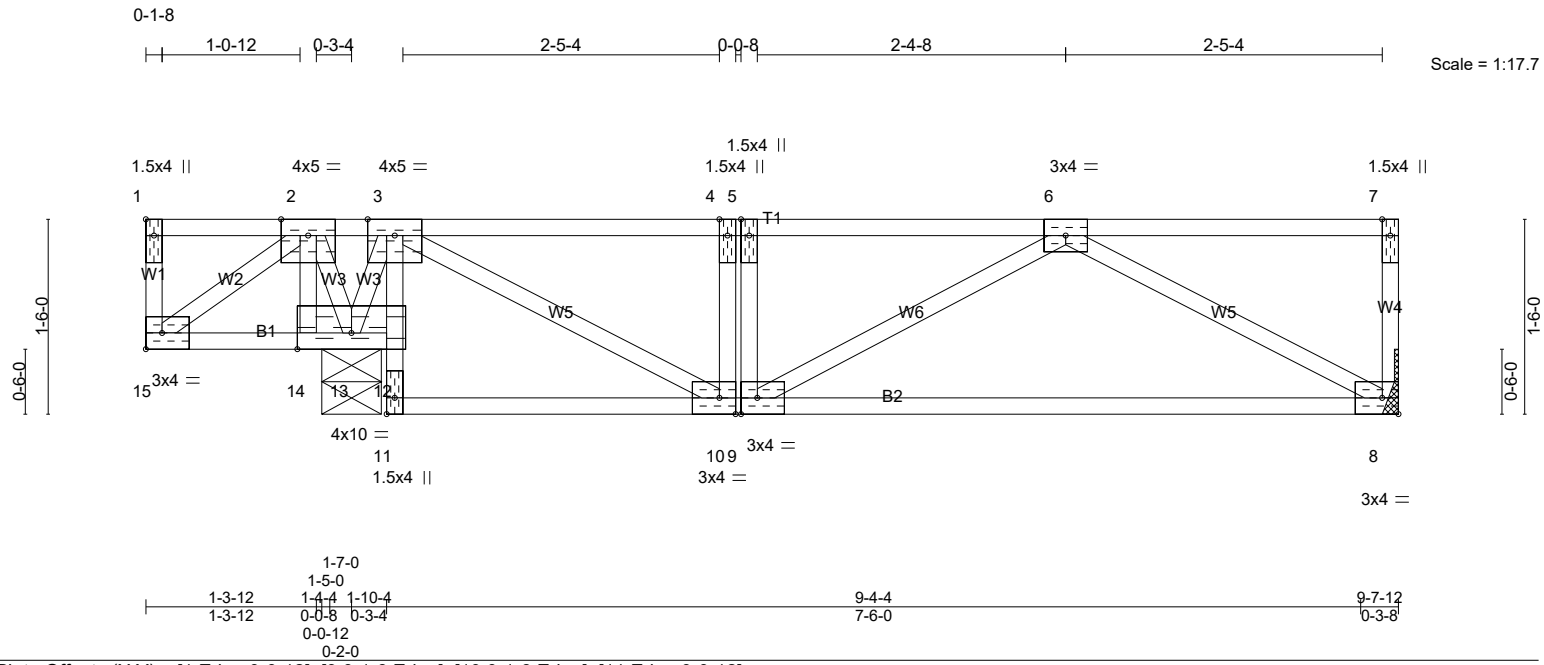

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [9:0-1-8,Edge], [10:0-1-8,Edge], [11:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.01	8-9	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.04	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 50 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. All bearings 0-5-8 except (jt=length) 8=Mechanical.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14
Max Grav All reactions 250 lb or less at joint(s) 14, 13 except 8=275(LC 4), 12=283(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-361/0, 4-5=-361/0, 5-6=-361/0
BOT CHORD 9-10=0/361, 8-9=0/356
WEBS 3-12=-277/0, 6-8=-407/0, 3-10=0/425

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F09	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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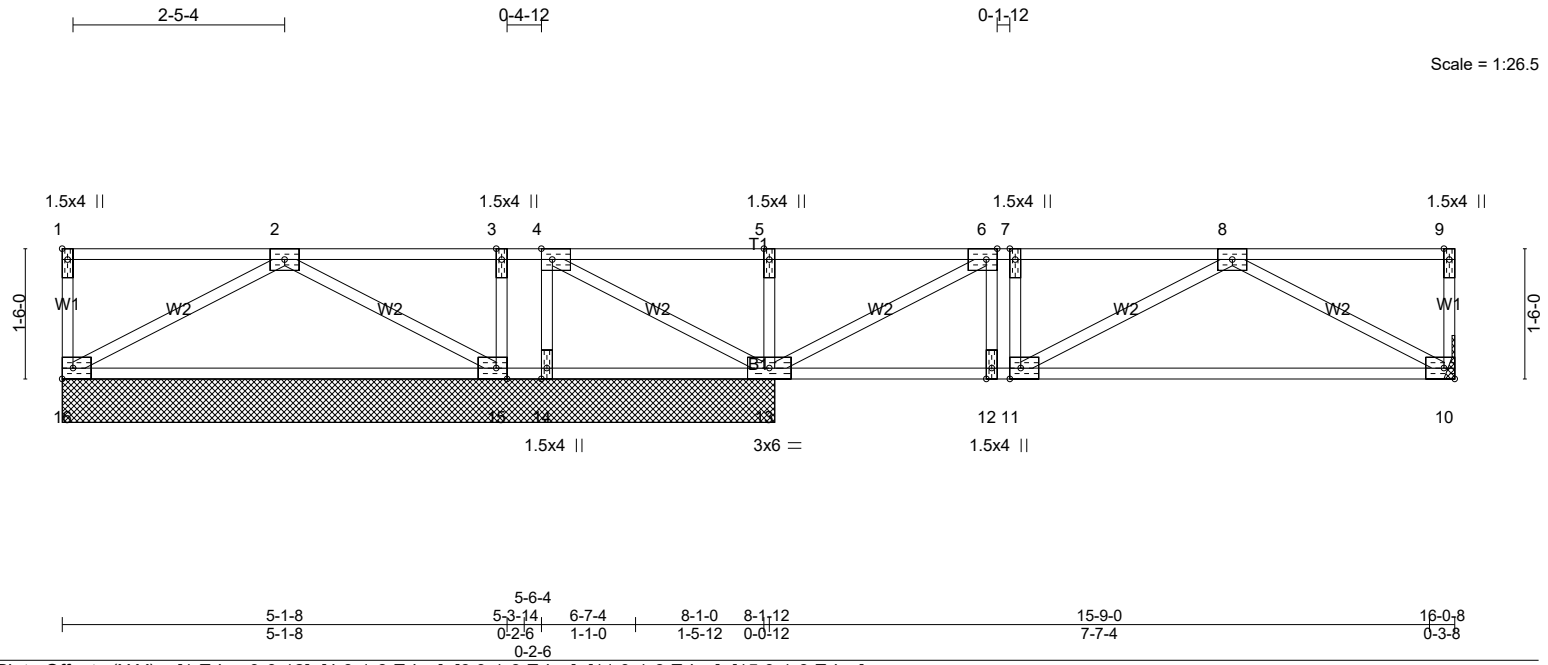

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [6:0-1-8,Edge], [11:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.02	10-11	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.05	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. All bearings 8-2-8 except (jt=length) 10=Mechanical.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14
Max Grav All reactions 250 lb or less at joint(s) 16, 14 except 13=454(LC 1), 15=255(LC 9), 10=260(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-296/0, 7-8=-296/0
BOT CHORD 12-13=0/296, 11-12=0/296, 10-11=0/329
WEBS 8-10=-376/0, 6-13=-492/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F09A	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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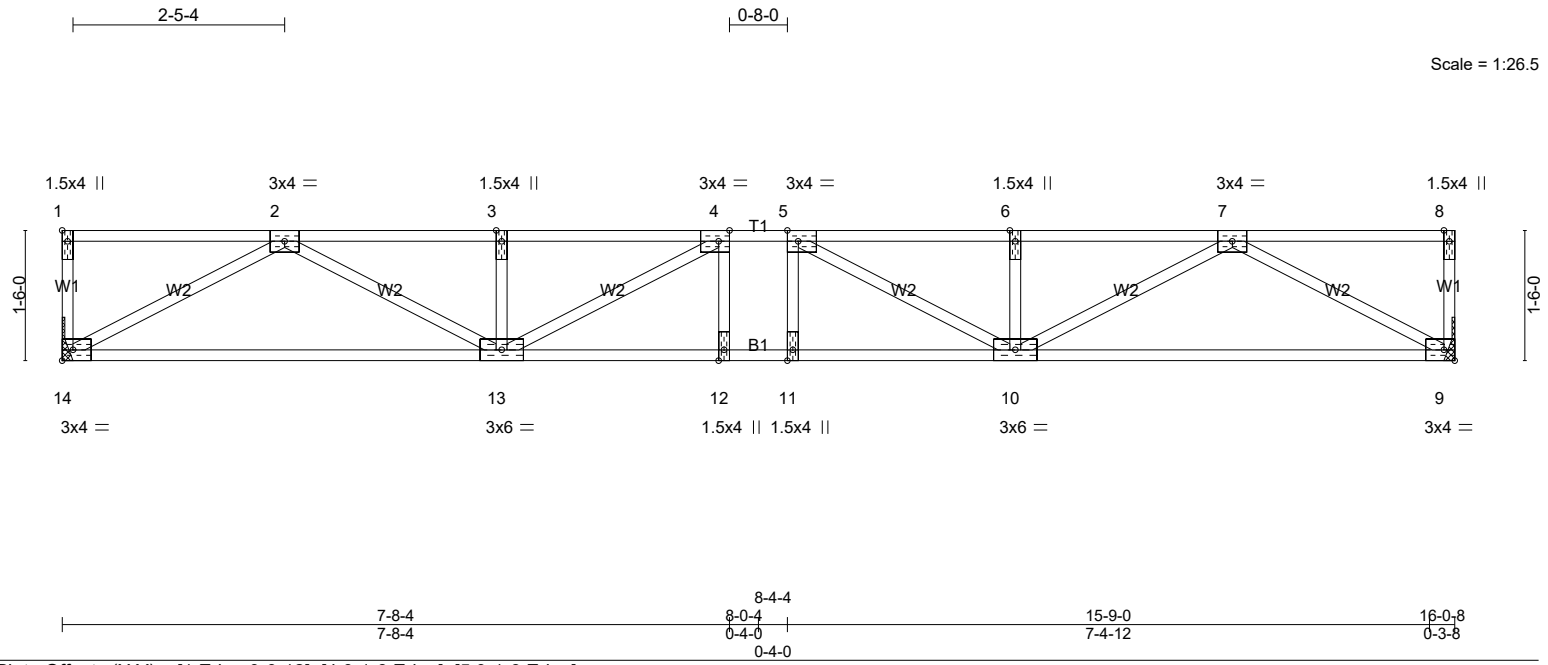

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.08	12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.11	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=584/Mechanical, 14=584/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1488/0, 3-4=-1488/0, 4-5=-1697/0, 5-6=-1488/0, 6-7=-1488/0
BOT CHORD 13-14=0/913, 12-13=0/1697, 11-12=0/1697, 10-11=0/1697, 9-10=0/913
WEBS 7-9=-1042/0, 2-14=-1042/0, 7-10=0/656, 2-13=0/656, 5-10=-350/12, 4-13=-350/12

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F09B	Floor	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:43 2022 Page 1
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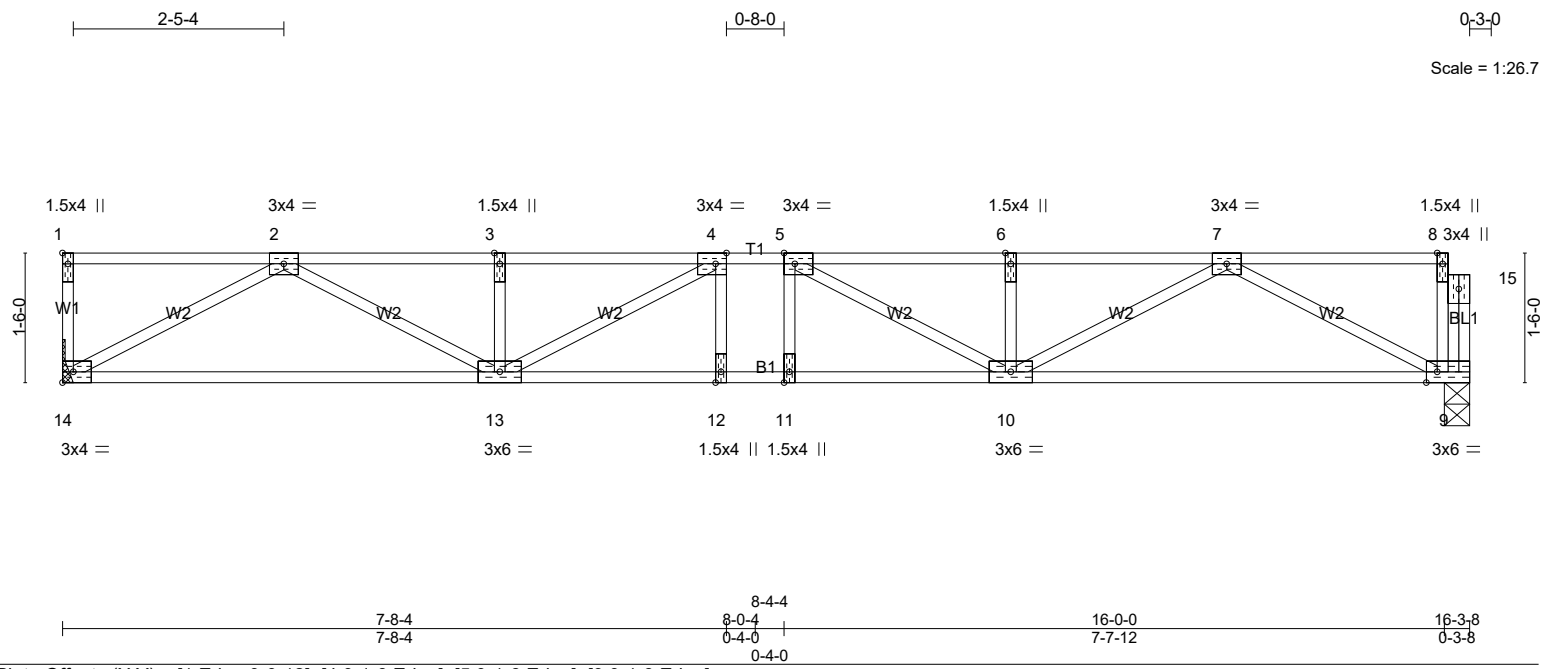

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.08	12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.12	11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=580/0-3-8 (min. 0-1-8), 14=588/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1504/0, 3-4=-1504/0, 4-5=-1724/0, 5-6=-1525/0, 6-7=-1525/0
BOT CHORD 13-14=0/922, 12-13=0/1724, 11-12=0/1724, 10-11=0/1724, 9-10=0/957
WEBS 7-9=-1073/0, 2-14=-1052/0, 7-10=0/648, 2-13=0/665, 5-10=-344/22, 4-13=-359/7

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F09C	Floor	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:44 2022 Page 1
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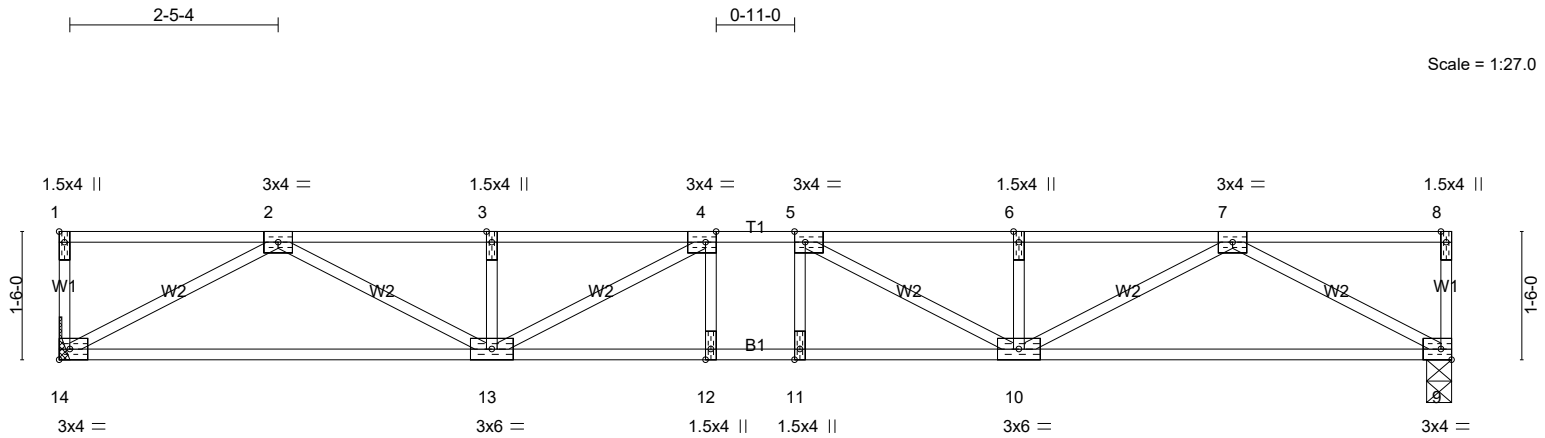

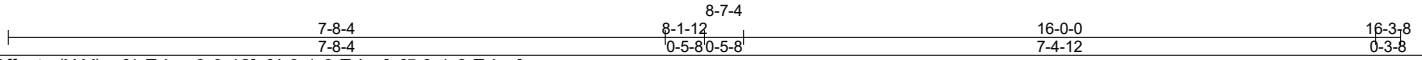

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.09	12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.12	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 77 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=593/0-3-8 (min. 0-1-8), 14=593/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1521/0, 3-4=-1521/0, 4-5=-1747/0, 5-6=-1521/0, 6-7=-1521/0
BOT CHORD 13-14=0/930, 12-13=0/1747, 11-12=0/1747, 10-11=0/1747, 9-10=0/930
WEBS 7-9=-1061/0, 2-14=-1061/0, 7-10=0/675, 2-13=0/675, 5-10=-377/1, 4-13=-377/1

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F09D	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:45 2022 Page 1
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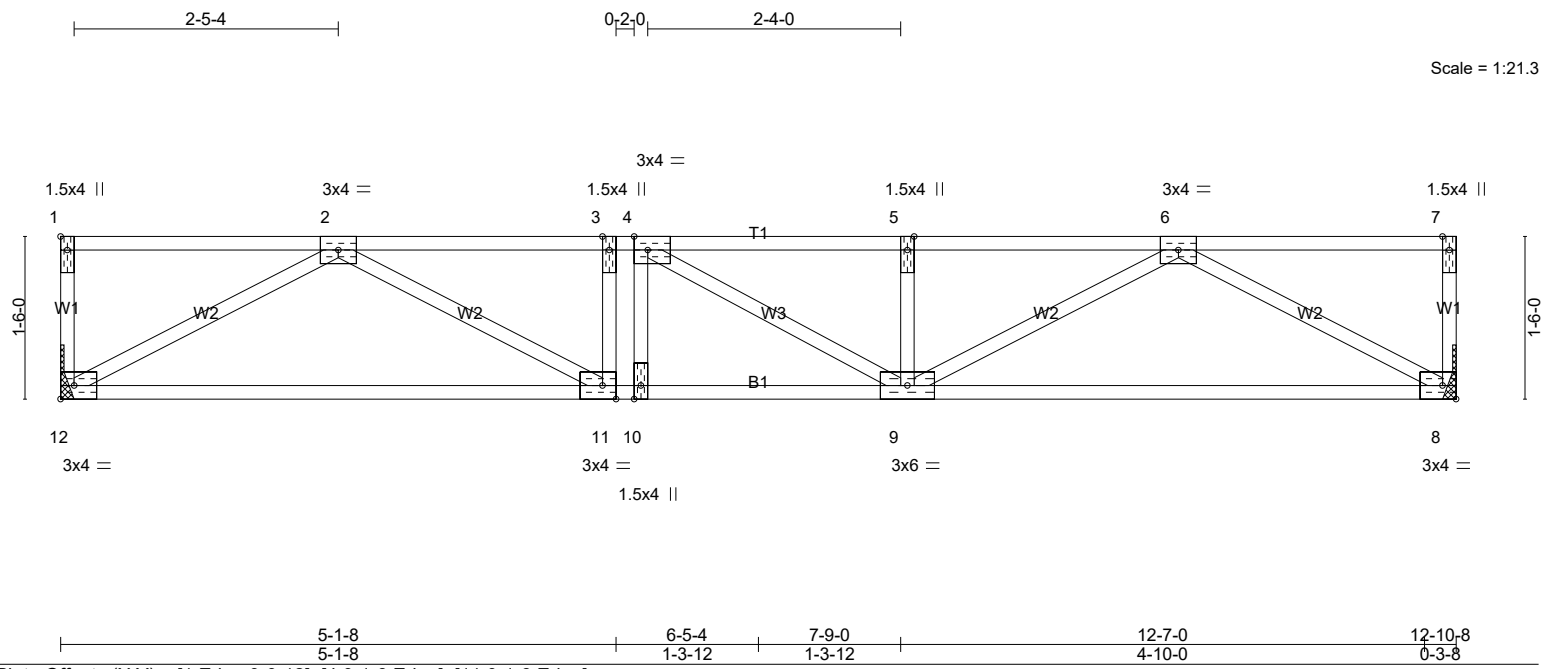

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.04	9-10	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.06	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 62 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 8=467/Mechanical, 12=467/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1064/0, 3-4=-1064/0, 4-5=-1066/0, 5-6=-1066/0
BOT CHORD 11-12=0/706, 10-11=0/1064, 9-10=0/1064, 8-9=0/703
WEBS 6-8=-803/0, 2-12=-806/0, 6-9=0/413, 2-11=0/409

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F10	GABLE	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:47 2022 Page 1
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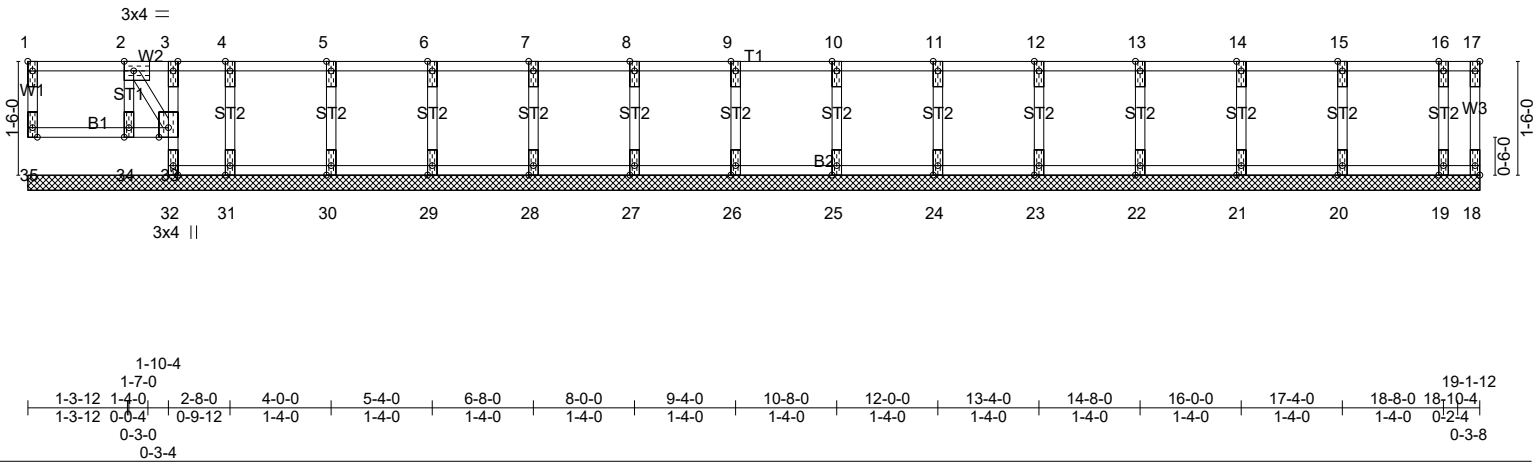

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [18:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 19-1-12.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 18
Max Grav All reactions 250 lb or less at joint(s) 35, 18, 32, 33, 34, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19

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

NOTES-
1) All plates are 1.5x4 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) Bearing at joint(s) 33 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 35, 34.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
10) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F10A	Floor	12	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:48 2022 Page 1
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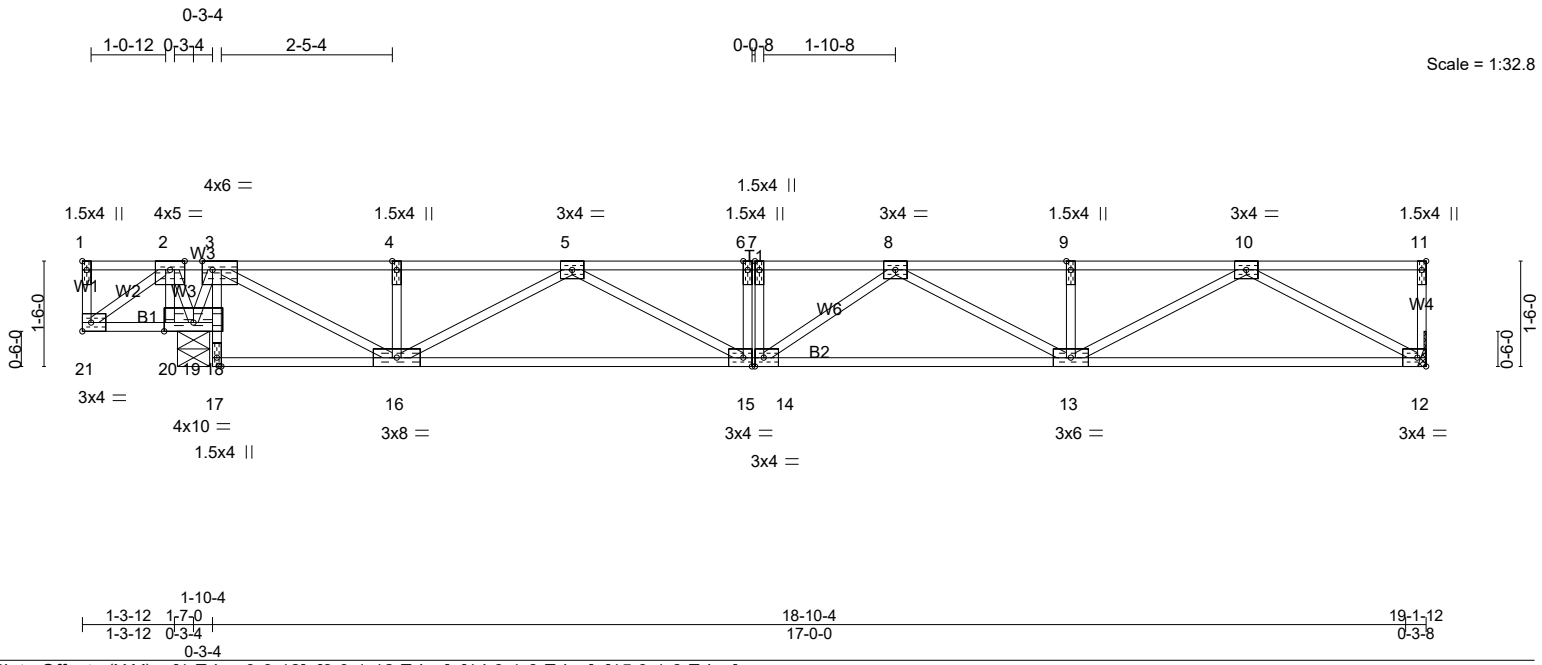

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [3:0-1-12,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.10	13-14	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.14	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 12=612/Mechanical, 20=-434/0-5-8 (min. 0-1-8), 18=872/0-5-8 (min. 0-1-8), 19=345/0-5-8 (min. 0-1-8)
Max Uplift 20=-537(LC 4)
Max Grav 12=612(LC 4), 18=929(LC 4), 19=345(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-842/0, 4-5=-842/0, 5-6=-1841/0, 6-7=-1841/0, 7-8=-1841/0, 8-9=-1591/0, 9-10=-1591/0
BOT CHORD 15-16=0/1499, 14-15=0/1841, 13-14=0/1852, 12-13=0/966, 18-19=-284/0
WEBS 2-20=0/509, 3-18=-929/0, 10-12=-1102/0, 3-16=0/1157, 10-13=0/713, 5-16=-750/0, 8-13=-299/0, 5-15=0/440, 2-19=-498/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=537.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F10B	Floor	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:49 2022 Page 1
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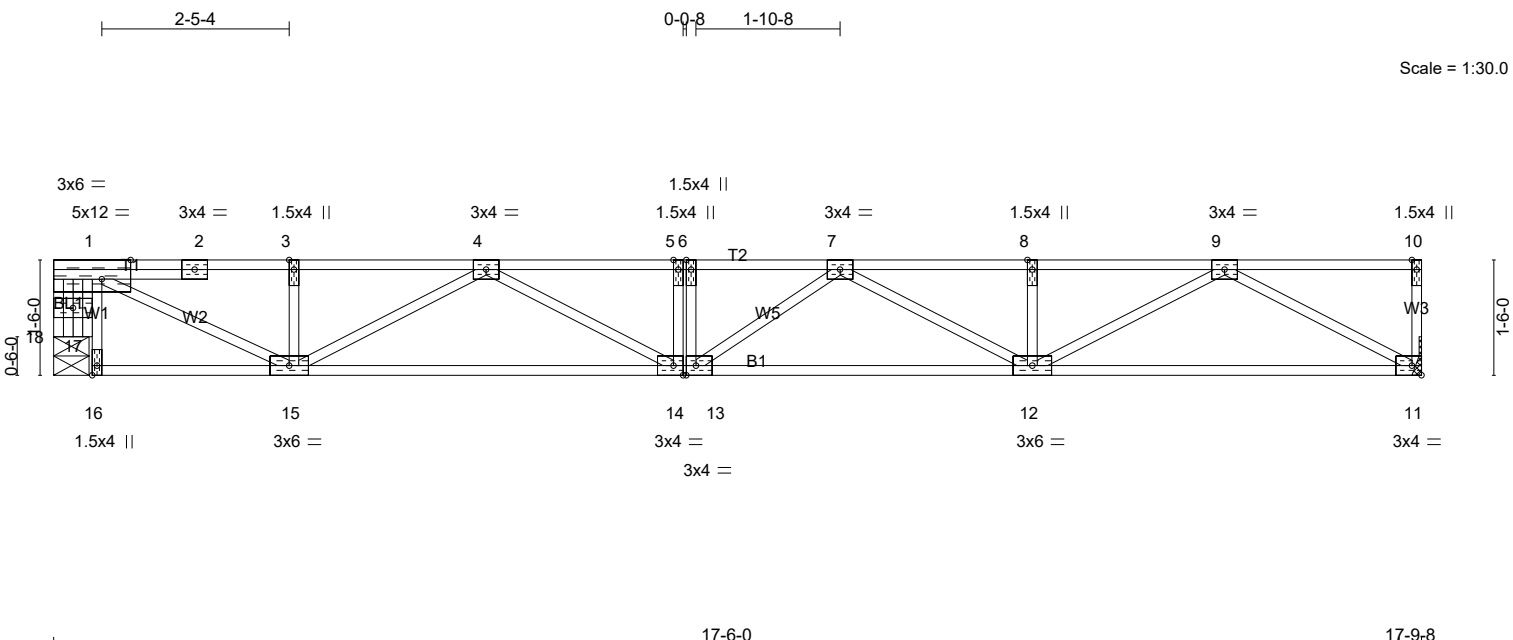

Plate Offsets (X,Y)-- [1:0-4-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.11	13	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.15	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 11=635/Mechanical, 18=623/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1090/0, 2-3=-1086/0, 3-4=-1086/0, 4-5=-2001/0, 5-6=-2001/0, 6-7=-2001/0, 7-8=-1675/0, 8-9=-1675/0
BOT CHORD 14-15=0/1704, 13-14=0/2001, 12-13=0/1979, 11-12=0/1008
WEBS 9-11=-1150/0, 1-15=0/1119, 9-12=0/761, 4-15=-705/0, 7-12=-347/0, 4-14=0/411, 1-18=-642/0

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) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F10C	Floor	7	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:50 2022 Page 1
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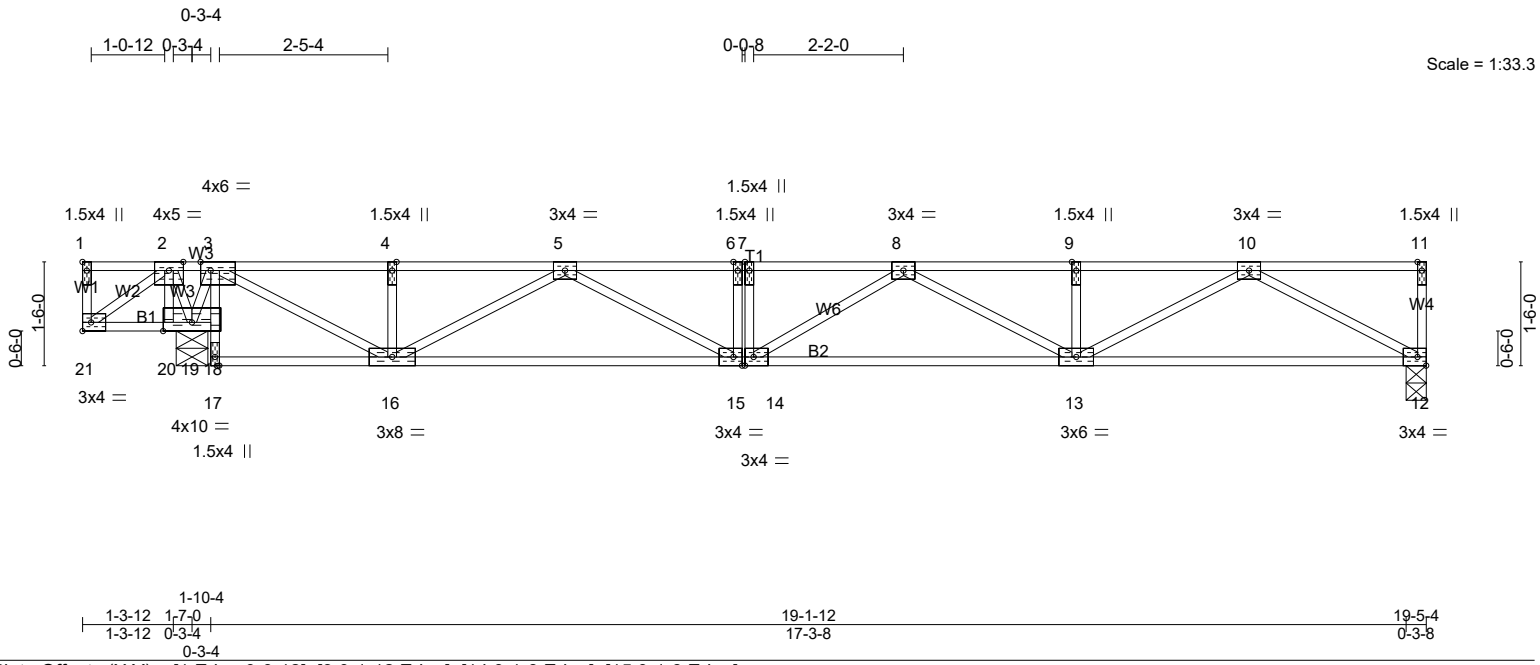

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [3:0-1-12,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.11	13-14	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.16	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 94 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 12=622/0-3-8 (min. 0-1-8), 20=-457/0-5-8 (min. 0-1-8), 18=900/0-5-8 (min. 0-1-8), 19=351/0-5-8 (min. 0-1-8)
Max Uplift20=-560(LC 4)
Max Grav12=622(LC 4), 18=958(LC 4), 19=351(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-853/0, 4-5=-853/0, 5-6=-1896/0, 6-7=-1896/0, 7-8=-1896/0, 8-9=-1628/0, 9-10=-1628/0
BOT CHORD 15-16=0/1530, 14-15=0/1896, 13-14=0/1909, 12-13=0/985, 18-19=-298/0
WEBS 2-20=0/530, 3-18=-957/0, 10-12=-1124/0, 3-16=0/1180, 10-13=0/734, 5-16=-774/0, 8-13=-321/0, 5-15=0/466, 2-19=-519/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=560.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F10D	Floor	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:51 2022 Page 1
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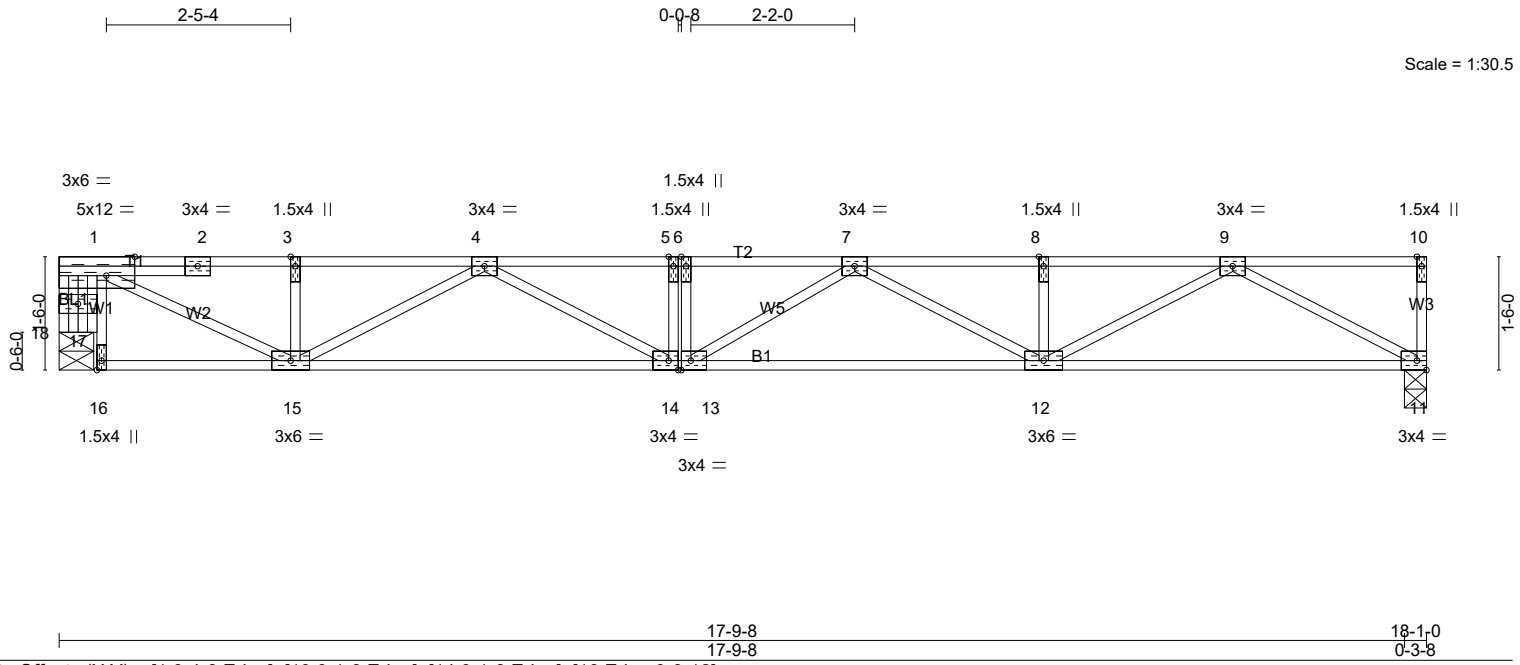

Plate Offsets (X,Y)-- [1:0-4-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:Edge,0-0-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.12	12-13	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.17	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 91 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 11=646/0-3-8 (min. 0-1-8), 18=634/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1111/0, 2-3=-1107/0, 3-4=-1107/0, 4-5=-2065/0, 5-6=-2065/0, 6-7=-2065/0, 7-8=-1714/0, 8-9=-1714/0
BOT CHORD 14-15=0/1744, 13-14=0/2065, 12-13=0/2038, 11-12=0/1028
WEBS 9-11=-1173/0, 1-15=0/1142, 9-12=0/783, 4-15=-728/0, 7-12=-371/0, 4-14=0/435, 1-18=-652/0

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) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F11	FLOOR SUPPORTED GABL	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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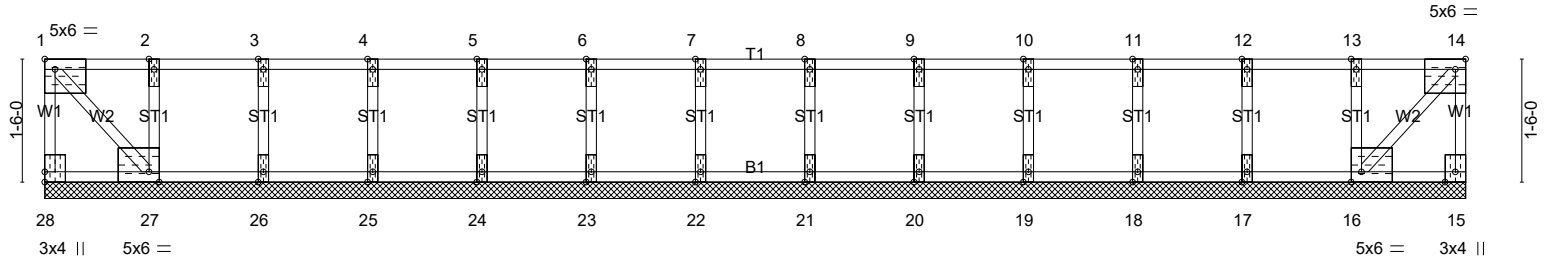

17-0-8
17-0-8
17-4-0
0-3-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [14:0-1-8,Edge], [16:0-1-8,Edge], [27:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.32	Horz(CT)	-0.01	21	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 75 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 17-4-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 28=-1388(LC 6), 15=-1388(LC 7), 27=-1370(LC 7), 16=-1370(LC 6)
Max Grav All reactions 250 lb or less at joint(s) 26, 25, 24, 23, 22, 21, 20, 19, 18, 17 except 28=1404(LC 5), 15=1404(LC 4), 27=1422(LC 4), 16=1422(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-1401/1391, 14-15=-1401/1391, 1-2=-1271/1272, 2-3=-1100/1080, 3-4=-900/900, 4-5=-700/700, 5-6=-500/500, 6-7=-300/300, 8-9=-300/300, 9-10=-500/500, 10-11=-700/700, 11-12=-900/900, 12-13=-1100/1080, 13-14=-1271/1272
BOT CHORD 26-27=-1100/1100, 25-26=-900/900, 24-25=-700/700, 23-24=-500/500, 22-23=-300/300, 20-21=-300/300, 19-20=-500/500, 18-19=-700/700, 17-18=-900/900, 16-17=-1100/1100
WEBS 1-27=-1902/1901, 14-16=-1902/1901

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1388 lb uplift at joint 28, 1388 lb uplift at joint 15 , 1370 lb uplift at joint 27 and 1370 lb uplift at joint 16.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 17-4-0 for 150.0 plf.
9) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F11A	Floor	8	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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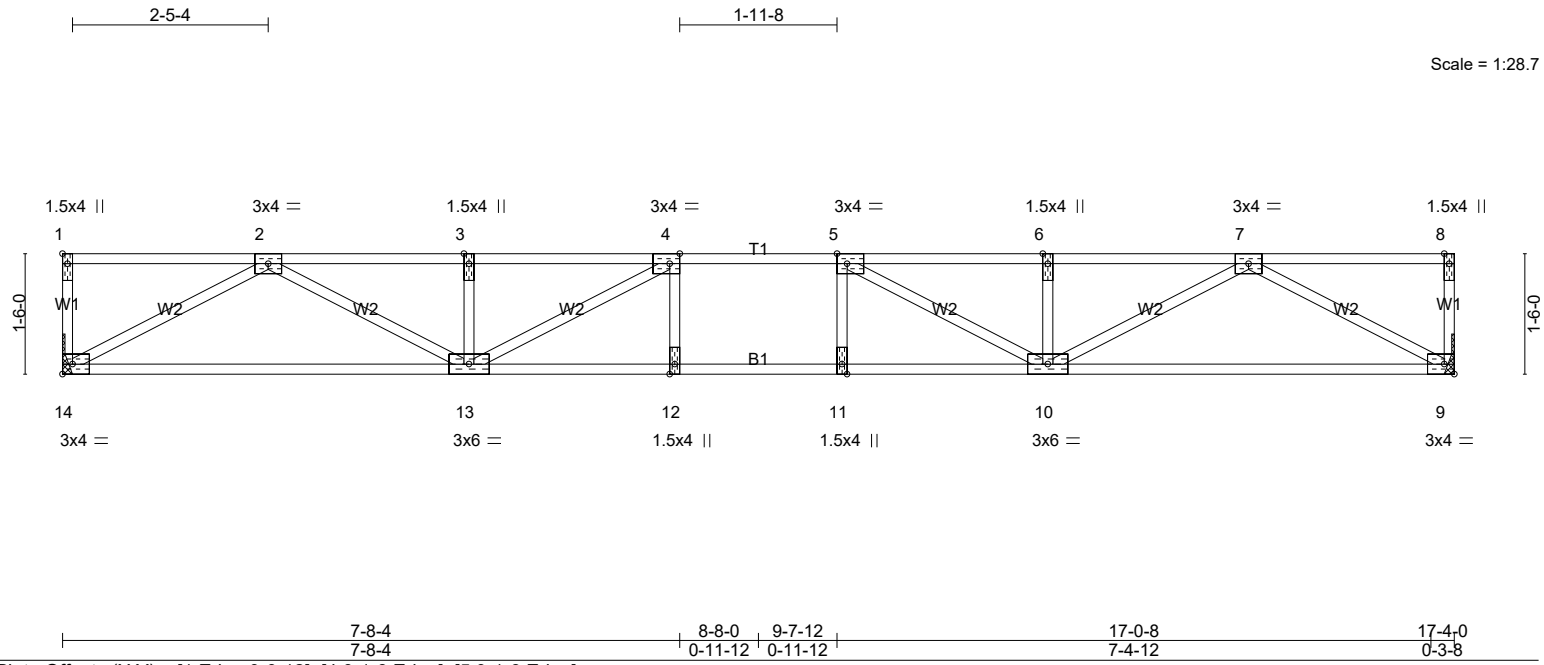

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.14	12-13	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.17	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 9=631/Mechanical, 14=631/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1659/0, 3-4=-1659/0, 4-5=-1961/0, 5-6=-1659/0, 6-7=-1659/0
BOT CHORD 13-14=0/999, 12-13=0/1961, 11-12=0/1961, 10-11=0/1961, 9-10=0/999
WEBS 7-9=-1140/0, 2-14=-1140/0, 7-10=0/753, 2-13=0/753, 5-10=-499/0, 4-13=-499/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F12	Floor	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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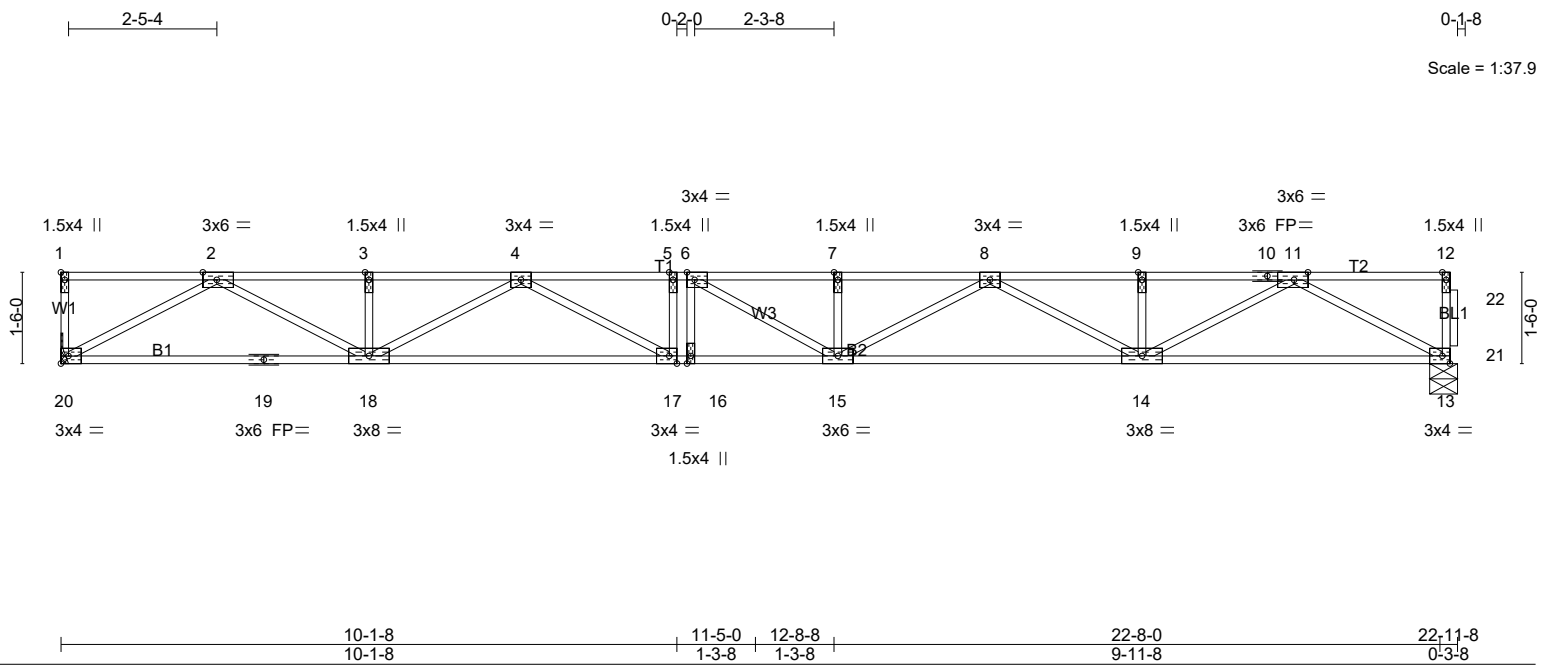

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-2-12,Edge], [6:0-1-8,Edge], [11:0-2-12,Edge], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.31	15-16	>878	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.42	15-16	>641	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.08	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 108 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 13=833/0-5-8 (min. 0-1-8), 20=833/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2389/0, 3-4=-2389/0, 4-5=-3411/0, 5-6=-3411/0, 6-7=-3412/0, 7-8=-3412/0, 8-9=-2390/0, 9-10=-2390/0, 10-11=-2390/0
BOT CHORD 19-20=0/1366, 18-19=0/1366, 17-18=0/3055, 16-17=0/3411, 15-16=0/3411, 14-15=0/3053, 13-14=0/1366
WEBS 11-13=-1559/0, 2-20=-1559/0, 11-14=0/1168, 2-18=0/1168, 8-14=-757/0, 4-18=-760/0, 8-15=0/409, 4-17=0/539, 6-15=-282/269

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F12A	Floor	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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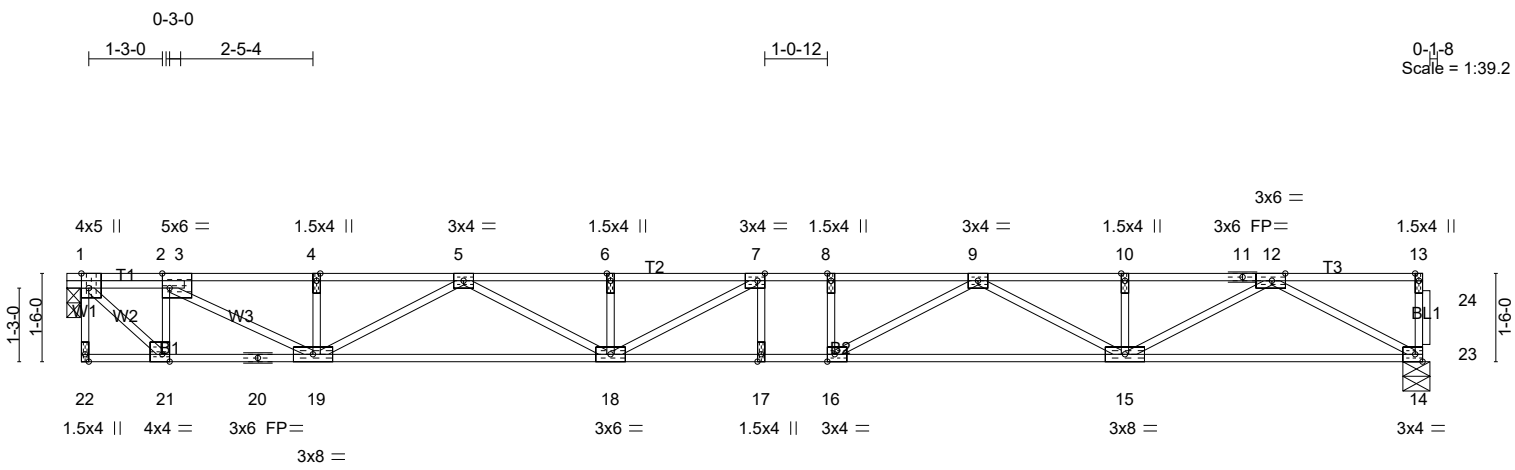

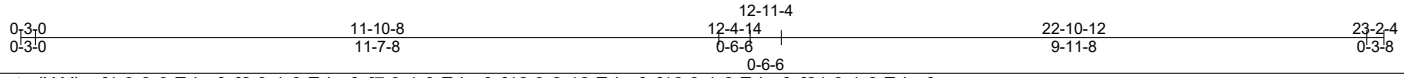

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-1-8,Edge], [7:0-1-8,Edge], [12:0-2-12,Edge], [16:0-1-8,Edge], [21:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.32	17-18	>858	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.43	17-18	>628	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 111 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 14=832/0-5-8 (min. 0-1-8), 1=832/0-2-12 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-778/0, 2-3=-1971/0, 3-4=-1989/0, 4-5=-1989/0, 5-6=-3309/0, 6-7=-3309/0, 7-8=-3415/0, 8-9=-3415/0, 9-10=-2386/0, 10-11=-2386/0, 11-12=-2386/0
BOT CHORD 20-21=0/778, 19-20=0/778, 18-19=0/2800, 17-18=0/3415, 16-17=0/3415, 15-16=0/3051, 14-15=0/1364
WEBS 2-21=-729/0, 1-21=0/1075, 12-14=-1557/0, 2-19=0/1361, 12-15=0/1166, 5-19=-926/0, 9-15=-760/0, 5-18=0/580, 9-16=0/593, 7-18=-426/212

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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F13	Floor	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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2-5-4 1-3-4

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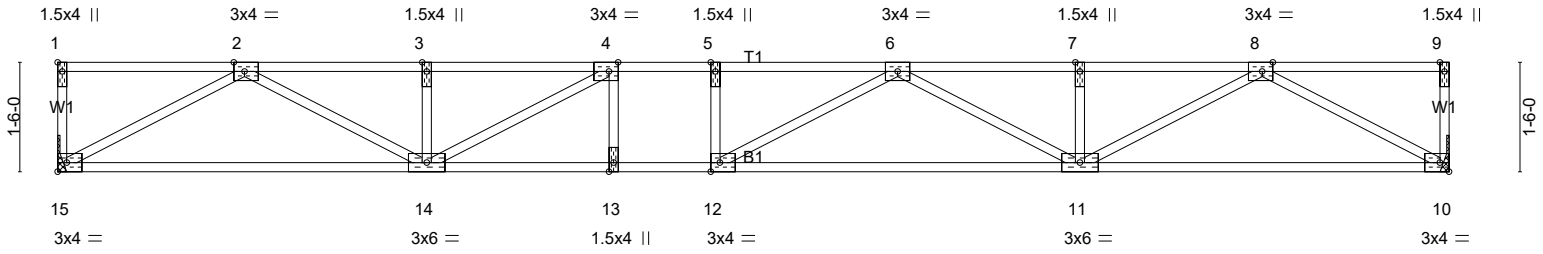

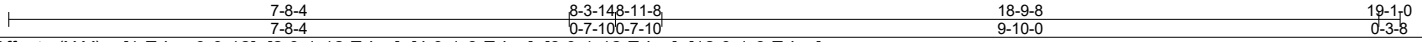

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-12,Edge], [4:0-1-8,Edge], [8:0-1-12,Edge], [12:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.45	Vert(LL)	-0.20	11-12	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.29	11-12	>797	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.2(flat)
BOT CHORD 2x4 DF No.2(flat)
WEBS 2x4 DF No.2(flat)

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

REACTIONS. (lb/size) 10=695/Mechanical, 15=695/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1881/0, 3-4=-1881/0, 4-5=-2360/0, 5-6=-2360/0, 6-7=-1893/0, 7-8=-1893/0
BOT CHORD 14-15=0/1115, 13-14=0/2360, 12-13=0/2360, 11-12=0/2309, 10-11=0/1120
WEBS 8-10=-1278/0, 2-15=-1273/0, 8-11=0/882, 2-14=0/874, 6-11=-475/0, 4-14=-648/0, 6-12=-158/307

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F13A	GABLE	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:57 2022 Page 1
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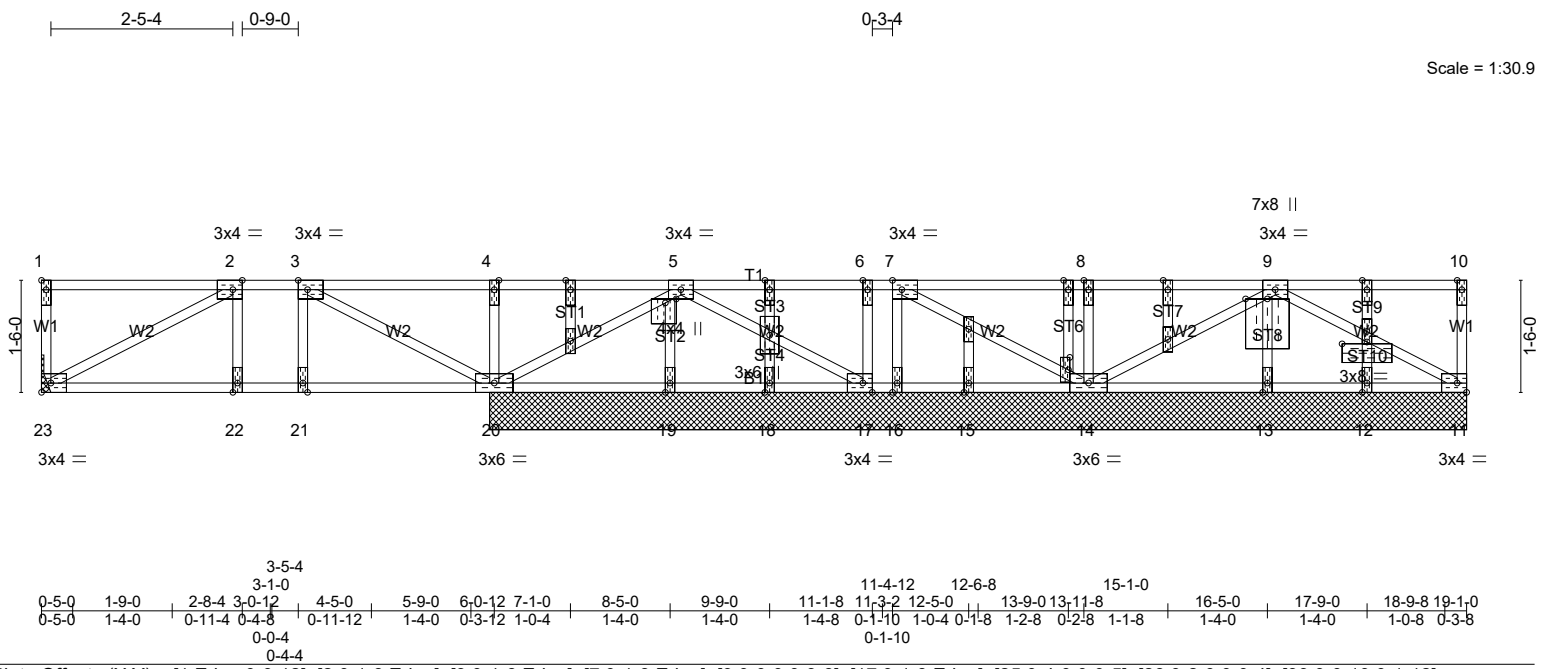

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [3:0-1-8,Edge], [7:0-1-8,Edge], [9:0-0-0,0-3-8], [17:0-1-8,Edge], [25:0-4-0,0-0-5], [28:0-2-0,0-0-4], [33:0-0-10,0-1-12]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.01	22	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.01	22-23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 102 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,15-16,14-15.

REACTIONS. All bearings 13-1-0 except (jt=length) 23=Mechanical.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 23, 11, 17, 16, 12, 13, 15, 18, 19 except 20=401(LC 1), 14=298(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-23=-275/0, 3-20=-291/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Gable studs spaced at 1-4-0 oc.
4) Refer to girder(s) for truss to truss connections.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	F44	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:58 2022 Page 1
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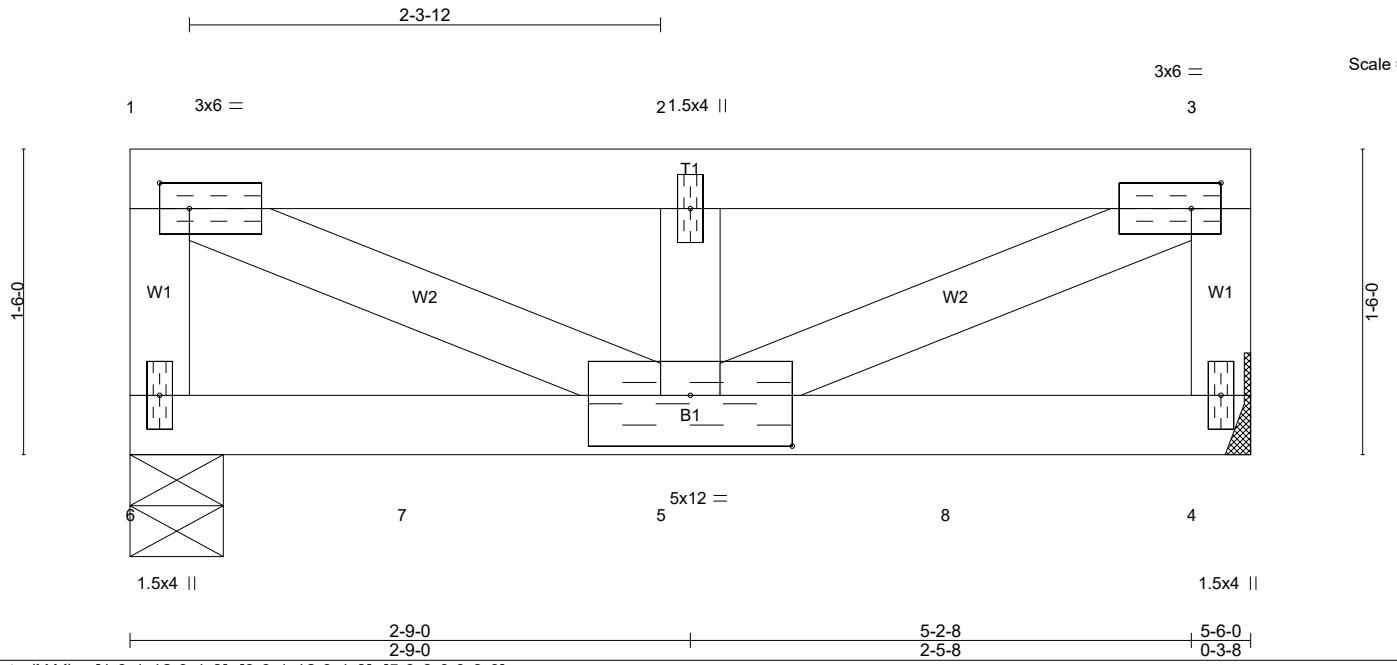

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [3:0-1-12,0-1-8], [5:0-6-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.03	5-6	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.04	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 51 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

REACTIONS. (lb/size) 6=2747/0-5-8 (min. 0-1-8), 4=2780/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-2468/0, 3-4=-2468/0, 1-2=-3800/0, 2-3=-3800/0
WEBS 2-5=-2012/0, 1-5=0/4190, 3-5=0/4190

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 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 691 lb down at 1-5-12, and 691 lb down at 2-9-12, and 691 lb down at 4-1-12 on bottom 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 (plf)
Vert: 4-6=-7, 1-3=-657
Concentrated Loads (lb)
Vert: 5=-691(F) 7=-691(F) 8=-691(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT08	FLOOR GIRDER	1	4	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:29:59 2022 Page 1
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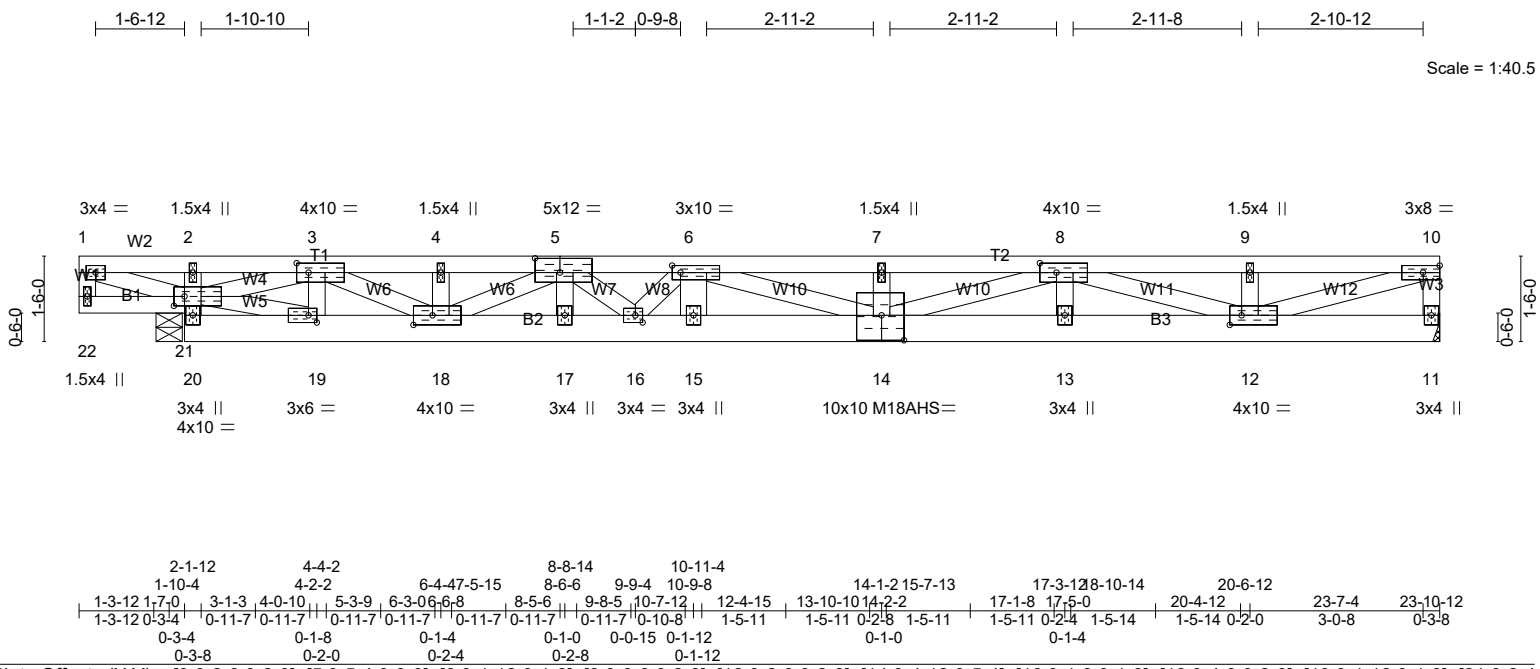

Plate Offsets (X,Y)-- [3:0-2-8,0-2-0], [5:0-5-4,0-3-0], [6:0-1-12,0-1-8], [8:0-3-8,0-2-0], [12:0-2-8,0-2-0], [14:0-4-12,0-5-4], [16:0-1-8,0-1-8], [18:0-4-0,0-2-0], [19:0-1-12,0-1-8], [21:0-2-4,0-2-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.47	14-15	>554	480	MT20	220/195
TCDL	15.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.66	14-15	>399	360	M18AHS	169/162
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 498 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T2: 2x4 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E *Except*
B1: 2x4 DF No.2
WEBS 2x4 DF No.2 *Except*
W9: 2x6 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 21-22.

REACTIONS. (lb/size) 11=3424/Mechanical, 21=4945/0-5-8 (min. 0-1-8)
Max Grav 11=3427(LC 4), 21=4945(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-3148/0, 1-2=-268/0, 3-4=-17180/0, 4-5=-17180/0, 5-6=-29639/0, 6-7=-24724/0, 7-8=-24724/0, 8-9=-8764/0, 9-10=-8764/0
BOT CHORD 19-20=0/683, 18-19=0/9249, 17-18=0/25632, 16-17=0/25704, 15-16=0/31821, 14-15=0/31821, 13-14=0/17680, 12-13=0/17680, 11-12=0/409
WEBS 20-21=0/400, 2-21=-433/0, 1-21=0/352, 3-19=-1299/0, 19-21=0/8703, 3-21=-9691/0, 3-18=0/8940, 5-17=0/977, 5-18=-9598/0, 5-16=0/5171, 8-13=0/315, 6-14=-7498/0, 8-14=0/7461, 8-12=-9435/0, 10-12=0/8860, 6-16=-3252/0

NOTES-
1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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 floor live loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1982 lb down at 9-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-10=-73, 11-20=-7, 21-22=-7
Concentrated Loads (lb)
Vert: 6=-4500 16=-1982(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT09	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:30:00 2022 Page 1
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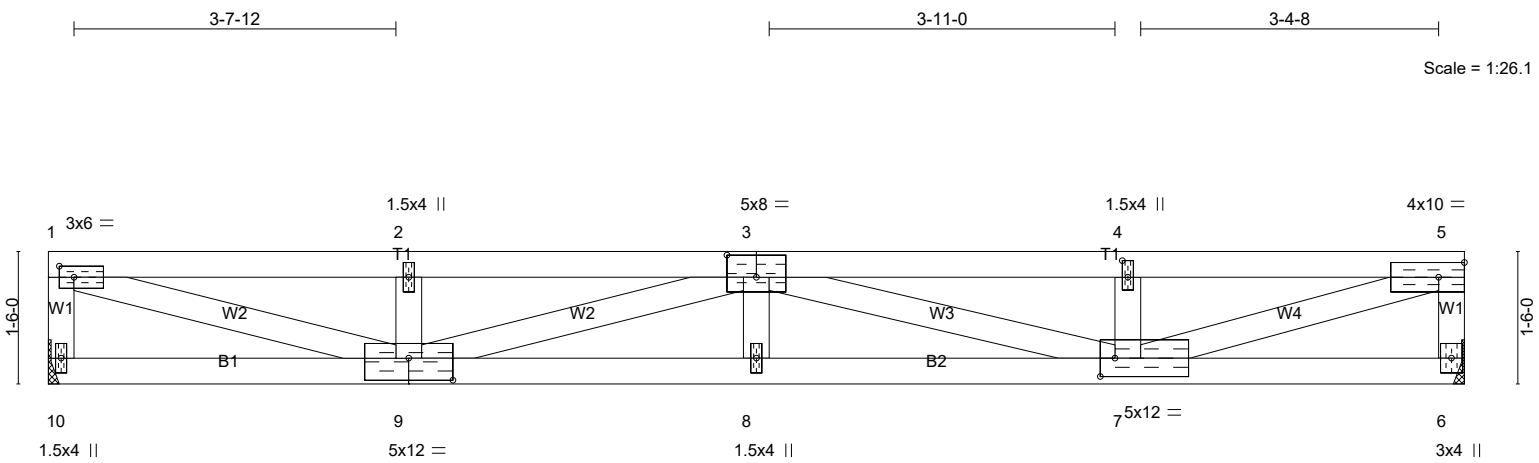

4-1-0	8-0-4	12-2-12	15-9-0	16-0-8
4-1-0	3-11-4	4-2-8	3-6-4	0-3-8

Plate Offsets (X,Y)-- [1:0-2-0,0-1-8], [3:0-4-0,0-3-0], [4:0-2-4,0-0-12], [7:0-2-0,0-2-8], [9:0-6-0,0-3-0]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.23	7-8	>811	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.32	7-8	>589	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.04	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 140 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2 *Except*
B2: 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2 *Except*
W4: 2x4 DF 2400F 2.0E

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

REACTIONS. (lb/size) 10=1439/Mechanical, 6=3416/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1386/0, 5-6=-3264/0, 1-2=-4151/0, 2-3=-4151/0, 3-4=-9512/0, 4-5=-9512/0
BOT CHORD 8-9=0/7535, 7-8=0/7535, 6-7=0/277
WEBS 4-7=-3802/0, 1-9=0/4203, 3-9=-3540/0, 3-7=0/2057, 5-7=0/9724

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 0-7-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-7, 1-5=-67
Concentrated Loads (lb)
Vert: 4=-3700

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT12	FLOOR GIRDER	1	**2**	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:30:01 2022 Page 1
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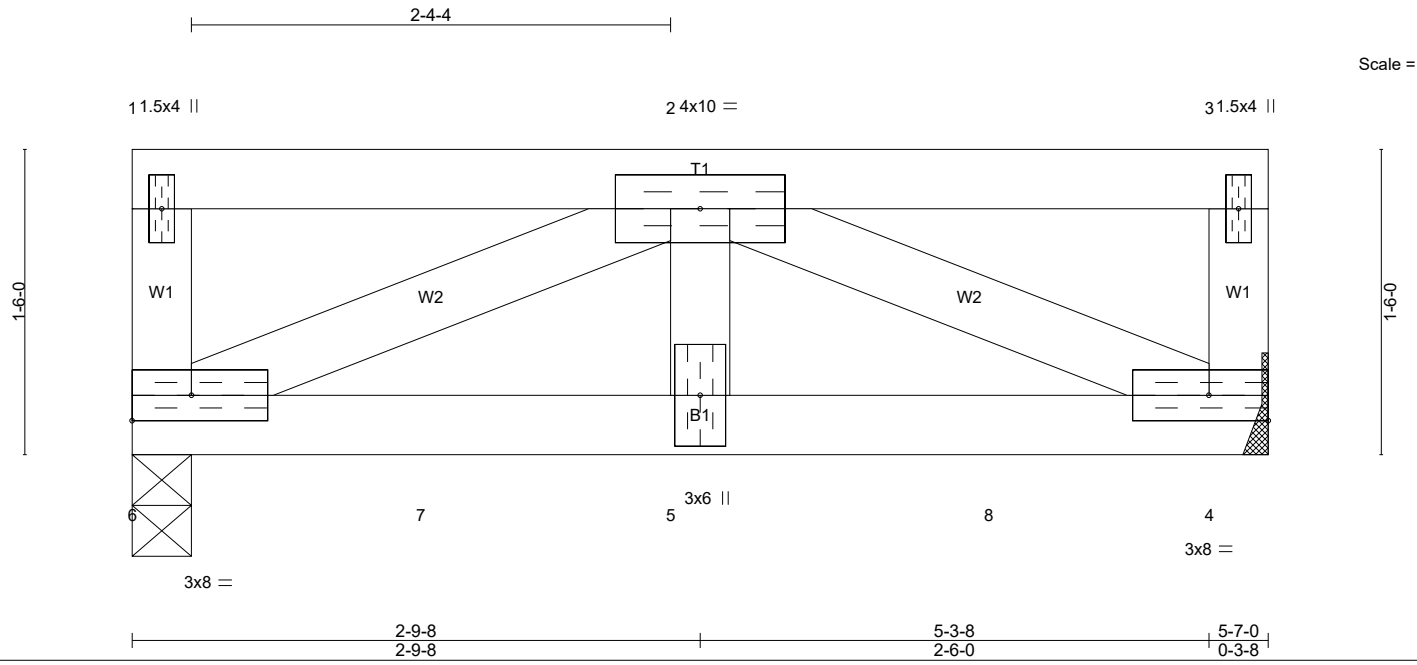

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.04	5-6	>999	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.06	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.02	4	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 51 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2

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

REACTIONS. (lb/size) 6=8087/0-3-8 (req. 0-4-5), 4=3838/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-836/0, 3-4=-836/0
BOT CHORD 6-7=0/5418, 5-7=0/5418, 5-8=0/5418, 4-8=0/5418
WEBS 2-5=0/2564, 2-6=-5956/0, 2-4=-5956/0

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 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) WARNING: Required bearing size at joint(s) 6 greater than input bearing size.
4) Refer to girder(s) for truss to truss connections.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3414 lb down at 0-1-12, 830 lb down at 0-1-12, 579 lb down at 1-6-12, 828 lb down at 1-8-4, 255 lb down at 2-10-12, 828 lb down at 3-0-4, and 828 lb down at 4-4-4, and 271 lb down at 4-4-4 on bottom 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 (plf)
Vert: 4-6=-7, 1-3=-767
Concentrated Loads (lb)
Vert: 5=-1083(F=-255, B=-828) 6=-4244(F=-3414, B=-830) 7=-1407(F=-579, B=-828) 8=-1099(F=-271, B=-828)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT12A	FLOOR GIRDER	1	3	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:30:02 2022 Page 1
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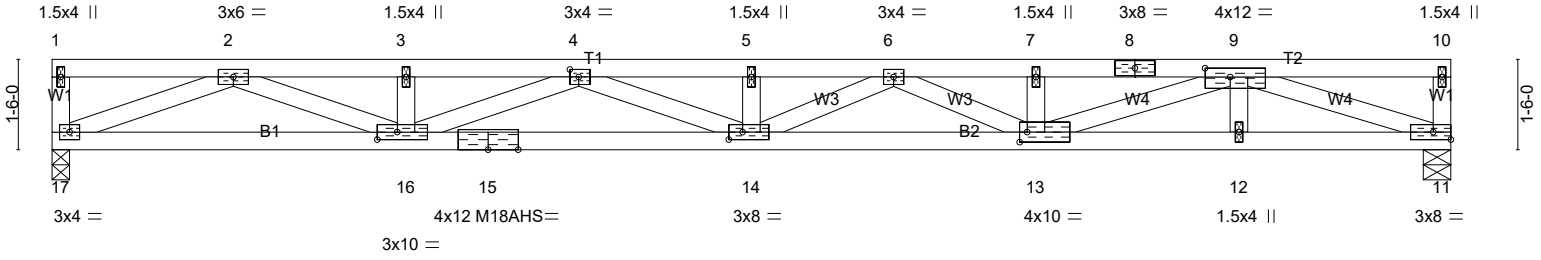

5-10-10 | 11-7-8 | 16-4-4 | 19-8-12 | 22-11-8 | 23-3-0
5-10-10 | 5-8-14 | 4-8-12 | 3-4-8 | 3-2-12 | 0-3-8

Plate Offsets (X,Y)-- [4:0-1-12,0-1-8], [9:0-5-0,0-1-12], [13:0-1-8,0-2-0], [14:0-2-12,0-1-8], [16:0-4-0,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.47	13-14	>581	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.65	13-14	>422	360	M18AHS	169/162
BCLL	0.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.09	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 304 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E *Except*
T2: 2x4 DF No.2
BOT CHORD 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=3666/0-5-8 (min. 0-1-8), 17=2018/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8449/0, 3-4=-8449/0, 4-5=-14917/0, 5-6=-14917/0, 6-7=-18451/0, 7-8=-18451/0, 8-9=-18451/0
BOT CHORD 16-17=0/4480, 15-16=0/11933, 14-15=0/11933, 13-14=0/16994, 12-13=0/9803, 11-12=0/9803
WEBS 7-13=-3937/0, 2-17=-4746/0, 2-16=0/4306, 4-16=-3780/0, 4-14=0/3238, 6-14=-2332/0, 6-13=0/1636, 9-13=0/9185, 9-11=-10177/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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) All plates are MT20 plates unless otherwise indicated.
4) The Fabrication Tolerance at joint 15 = 11%, joint 8 = 11%
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-17=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 7=-4000

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	FT13	Floor Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Wed Mar 16 09:30:03 2022 Page 1
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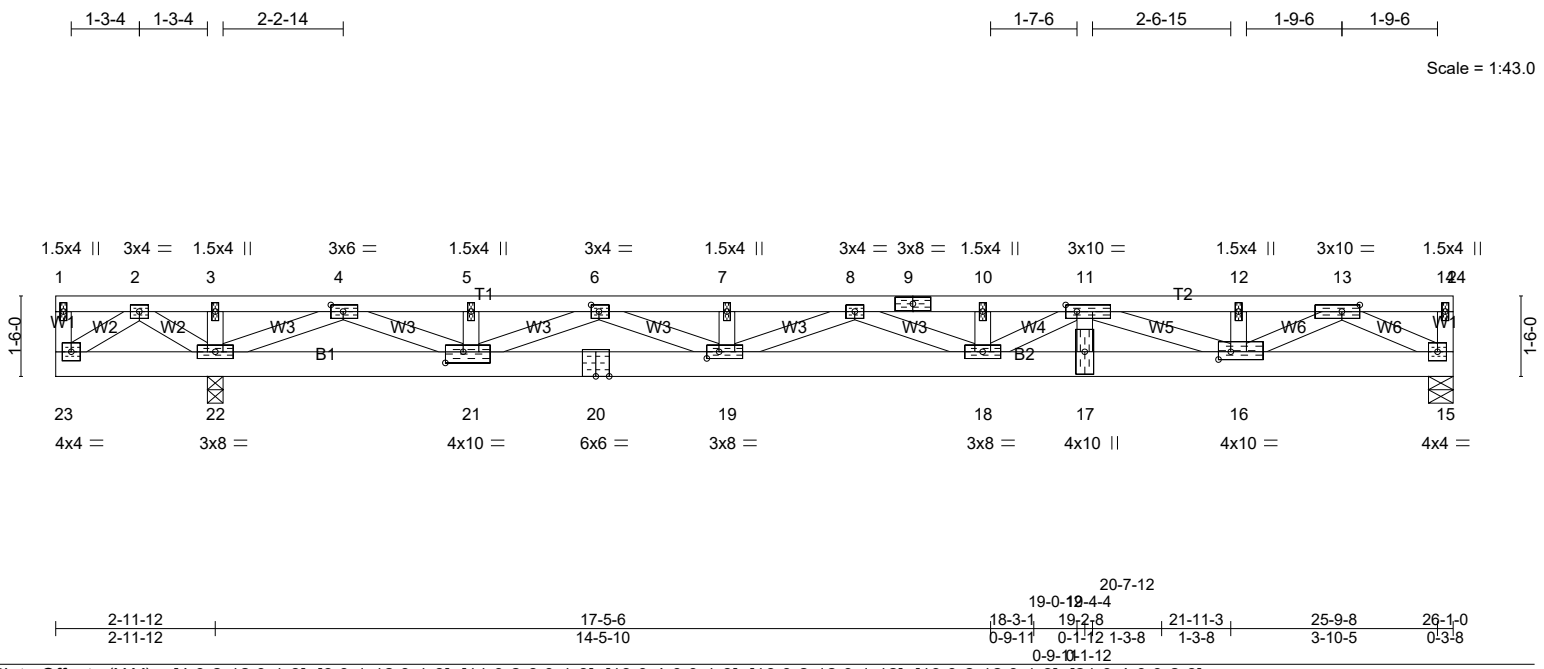


Plate Offsets (X,Y)-- [4:0-2-12,0-1-8], [6:0-1-12,0-1-8], [11:0-2-8,0-1-8], [13:0-4-0,0-1-8], [16:0-2-12,0-1-12], [19:0-2-12,0-1-8], [21:0-4-0,0-2-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.99	Vert(LL)	-0.53	18-19	>517	480	MT20	220/195
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.73	18-19	>378	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.08	15	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 267 lb	FT = 11%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x6 DF No.2 *Except*
B2: 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2

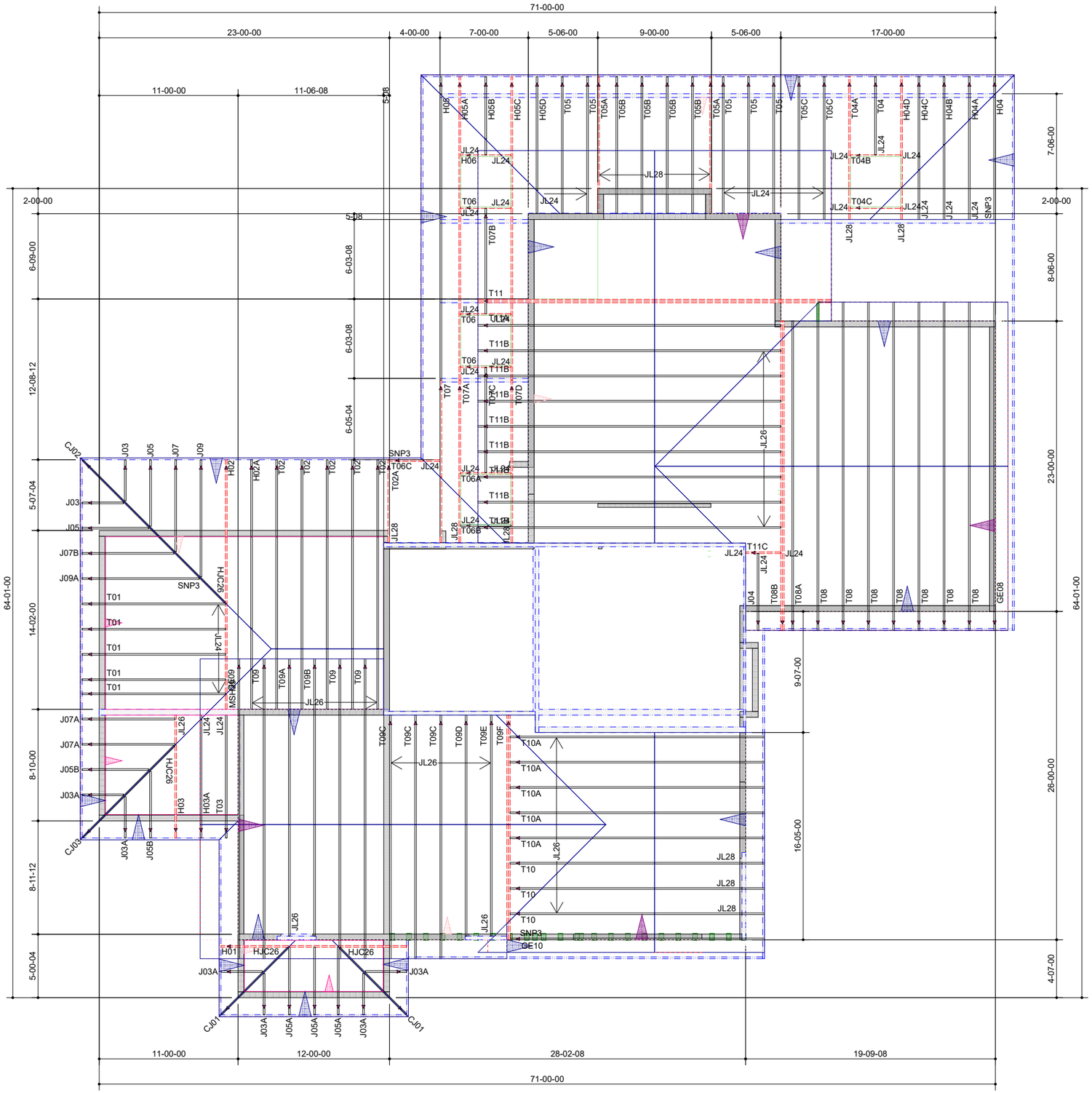
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 22-23.

REACTIONS. (lb/size) 15=2791/0-5-8 (min. 0-1-8), 22=1876/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-5923/0, 5-6=-5923/0, 6-7=-10472/0, 7-8=-10472/0, 8-9=-13559/0, 9-10=-13559/0, 10-11=-13559/0, 11-12=-8766/0, 12-13=-8766/0
BOT CHORD 21-22=0/3191, 20-21=0/8472, 19-20=0/8472, 18-19=0/12350, 17-18=0/14365, 16-17=0/14365, 15-16=0/4538
WEBS 4-22=-3404/0, 4-21=0/3043, 6-21=-2837/0, 6-19=0/2236, 8-19=-2096/0, 8-18=0/1616, 11-18=-1252/0, 11-16=-6013/0, 13-16=0/4894, 13-15=-5077/0, 11-17=0/2496

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 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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 floor live loads have been considered for this design.
4) The Fabrication Tolerance at joint 20 = 11%, joint 9 = 11%
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2776 lb down at 19-2-8 on bottom 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 (plf)
Vert: 15-23=-7, 1-14=-67
Concentrated Loads (lb)
Vert: 17=-2776(B)



Project # 2200345	Date: 3/7/2022	
Sales: Ken Price (360) 384.9000-Ext:28 kprice@louwstruss.com	Name: BARCELO HOMES/93RD AVE 7216 93RD AVE SE MERCER ISLAND WA 98040	
Roof area: 3775.08 sq ft	Sub.:	Lot: # 1

LOUWS TRUSS INCORPORATED
360.384.9000

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	CJ01	Diagonal Hip Girder	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:02 2022 Page 1
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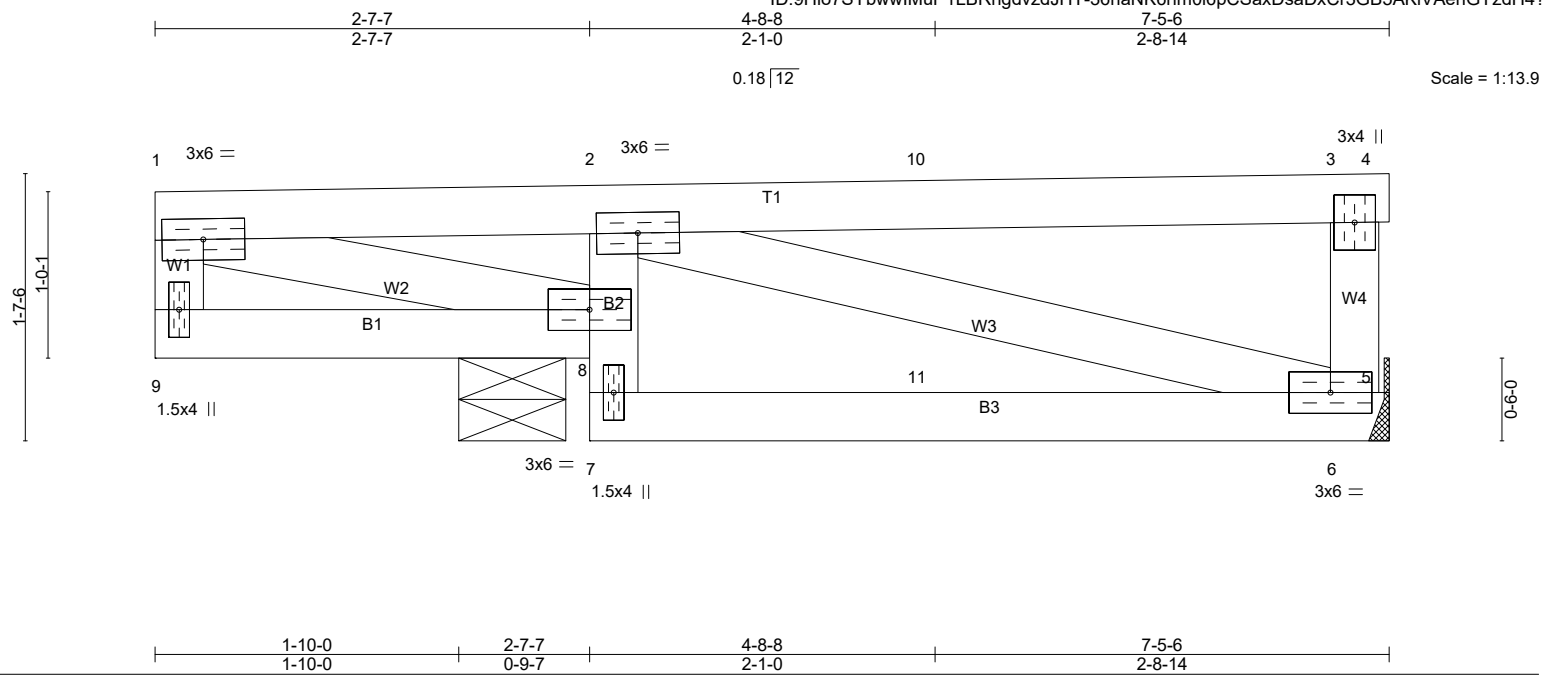

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.01	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 32 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.

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

REACTIONS. (lb/size) 6=77/Mechanical, 8=389/0-7-12 (min. 0-1-8)
Max Horz 8=42(LC 7)
Max Uplift 6=-33(LC 8), 8=-186(LC 4)
Max Grav 6=117(LC 34), 8=389(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-153/290
BOT CHORD 2-8=-268/146, 7-11=-255/160, 6-11=-255/160
WEBS 1-8=-312/161

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 6 and 186 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 166 lb up at 4-8-8, and 83 lb down and 166 lb up at 4-8-8 on top chord, and 1 lb down at 4-8-8, and 1 lb down at 4-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-64, 3-4=-14, 8-9=-16, 5-7=-16
Concentrated Loads (lb)
Vert: 10=108(F=54, B=54)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:03 2022 Page 1
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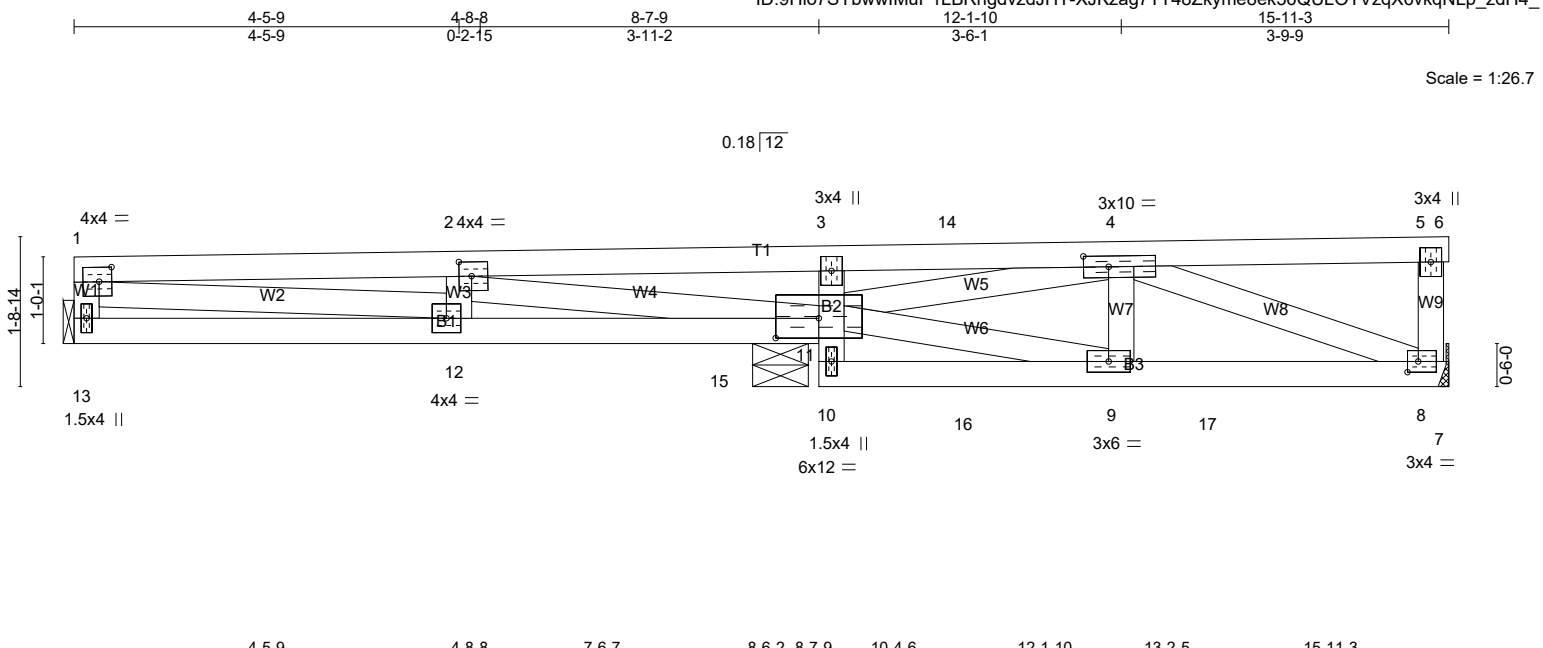

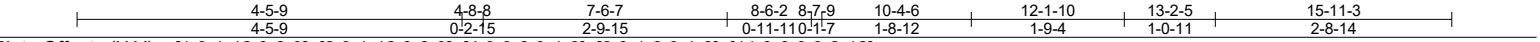

Plate Offsets (X,Y)-- [1:0-1-12,0-2-0], [2:0-1-12,0-2-0], [4:0-3-8,0-1-8], [8:0-1-8,0-1-8], [11:0-6-0,0-2-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.06	11-12	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.10	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	-0.01	13	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 73 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 13=333/Mechanical, 8=392/Mechanical, 11=1282/0-7-12 (min. 0-1-8)
Max Horz 11=40(LC 7)
Max Uplift13=-94(LC 4), 8=-109(LC 10), 11=-441(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-300/106, 1-2=-971/273, 2-3=-95/345, 3-14=-139/486, 4-14=-139/489
BOT CHORD 12-15=-282/968, 11-15=-282/968, 3-11=-304/123, 9-17=-169/500, 8-17=-169/500
WEBS 1-12=-241/837, 2-11=-1332/375, 9-11=-191/667, 4-11=-1021/331, 4-8=-430/167

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 13, 109 lb uplift at joint 8 and 441 lb uplift at joint 11.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 25 lb down and 44 lb up at 4-8-8, and 25 lb down and 44 lb up at 4-8-8 on top chord, and 15 lb down at 4-8-8, 15 lb down at 4-8-8, 180 lb down and 81 lb up at 7-6-7, 180 lb down and 81 lb up at 7-6-7, 159 lb down and 76 lb up at 10-4-6, 116 lb down and 283 lb up at 10-4-6, and 247 lb down and 97 lb up at 13-2-5, and 38 lb down and 28 lb up at 13-2-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-64, 5-6=-14, 11-13=-16, 7-10=-16

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 12=-17(F=-9, B=-9) 2=-4(F=-2, B=-2) 15=-360(F=-180, B=-180) 16=-90(F=-159, B=69) 17=-284(F=-247, B=-38)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	CJ03	Diagonal Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:04 2022 Page 1
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2-7-7	2-1-0	1-7-2	3-11-11

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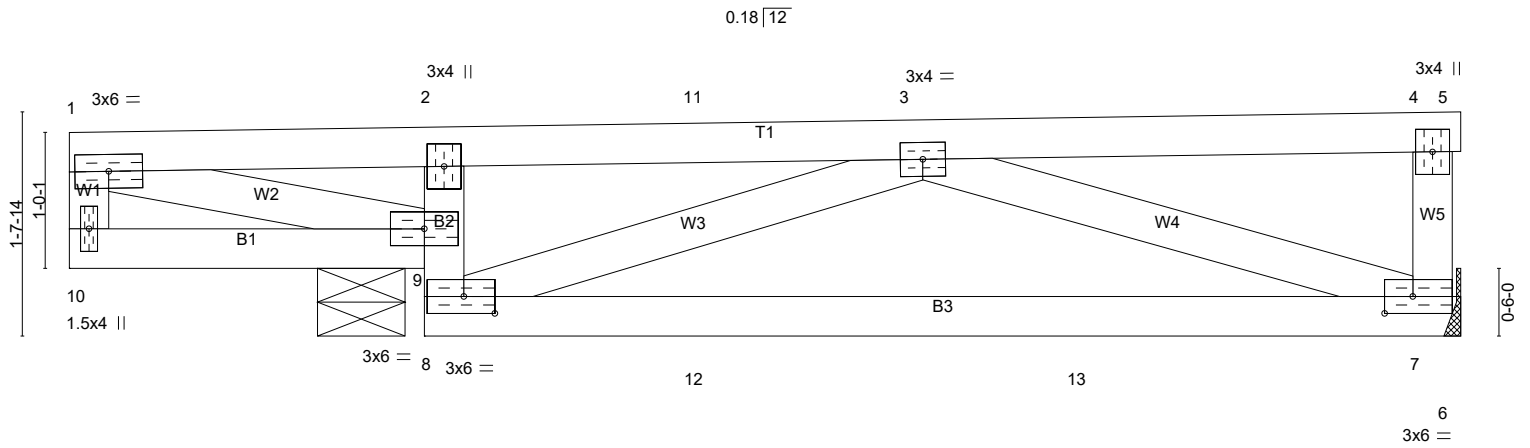

1-10-0	2-7-7	4-8-8	6-3-10	7-6-7	10-3-5
1-10-0	0-9-7	2-1-0	1-7-2	1-2-13	2-8-14

Plate Offsets (X,Y)-- [7:0-2-8,0-1-8], [8:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.06	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.13	7-8	>684	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 44 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.

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

REACTIONS. (lb/size) 7=312/Mechanical, 9=502/0-7-12 (min. 0-1-8)
Max Horz 9=43(LC 27)
Max Uplift 7=-117(LC 8), 9=-227(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-154/286
BOT CHORD 8-12=-132/286, 12-13=-132/286, 7-13=-132/286
WEBS 1-9=-307/162, 3-8=-397/210

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 7 and 227 lb uplift at joint 9.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 166 lb up at 4-8-8, and 83 lb down and 166 lb up at 4-8-8 on top chord, and 1 lb down at 4-8-8, 1 lb down at 4-8-8, and 61 lb down and 42 lb up at 7-6-7, and 61 lb down and 42 lb up at 7-6-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-64, 4-5=-14, 9-10=-16, 6-8=-16
Concentrated Loads (lb)
Vert: 11=108(F=54, B=54) 13=-122(F=-61, B=-61)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	GE08	Common Supported Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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1-6-0 | 11-6-0 | 11-6-0 | 1-6-0

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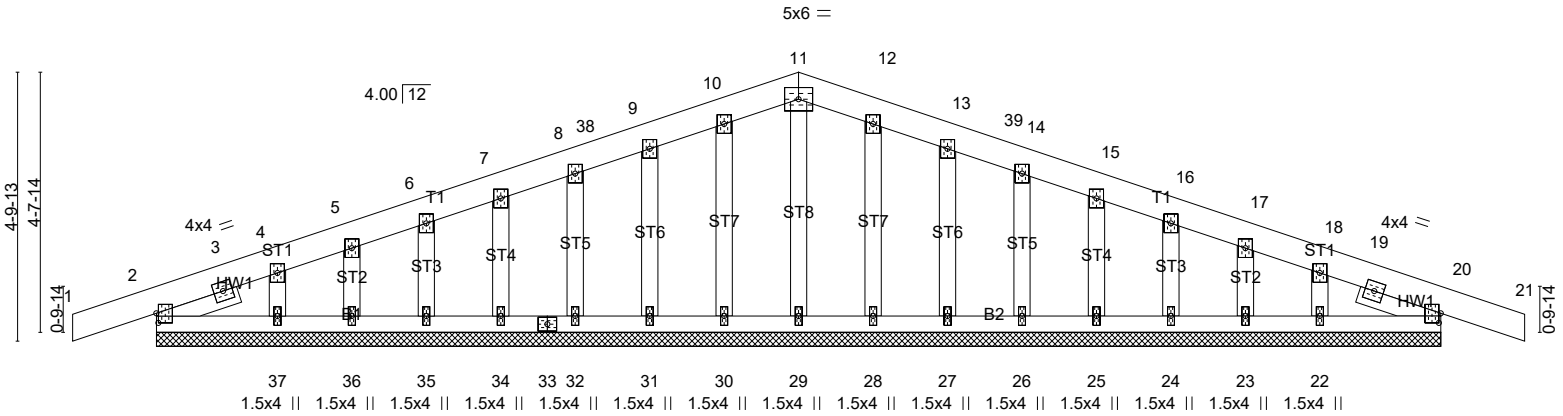

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23-0-0
23-0-0

Plate Offsets (X,Y)-- [2:0-2-1,0-0-7], [20:0-2-1,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.00	21	n/r	120	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	21	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	20	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 140 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 1-6-5, Right 2x4 DF No.2 1-6-5

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

REACTIONS. All bearings 23-0-0.
(lb) - Max Horz 2=-70(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 31, 32, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 29, 30, 31, 32, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20

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=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 2-2-0, Exterior(2N) 2-2-0 to 11-6-0, Corner(3R) 11-6-0 to 15-1-3, Exterior(2N) 15-1-3 to 24-6-0 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 15 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 31, 32, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	GE09	Common Supported Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:07 2022 Page 1
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-4-0-0 4-0-0 | 9-1-8 9-1-8 | 18-3-0 9-1-8 | 19-9-0 1-6-0

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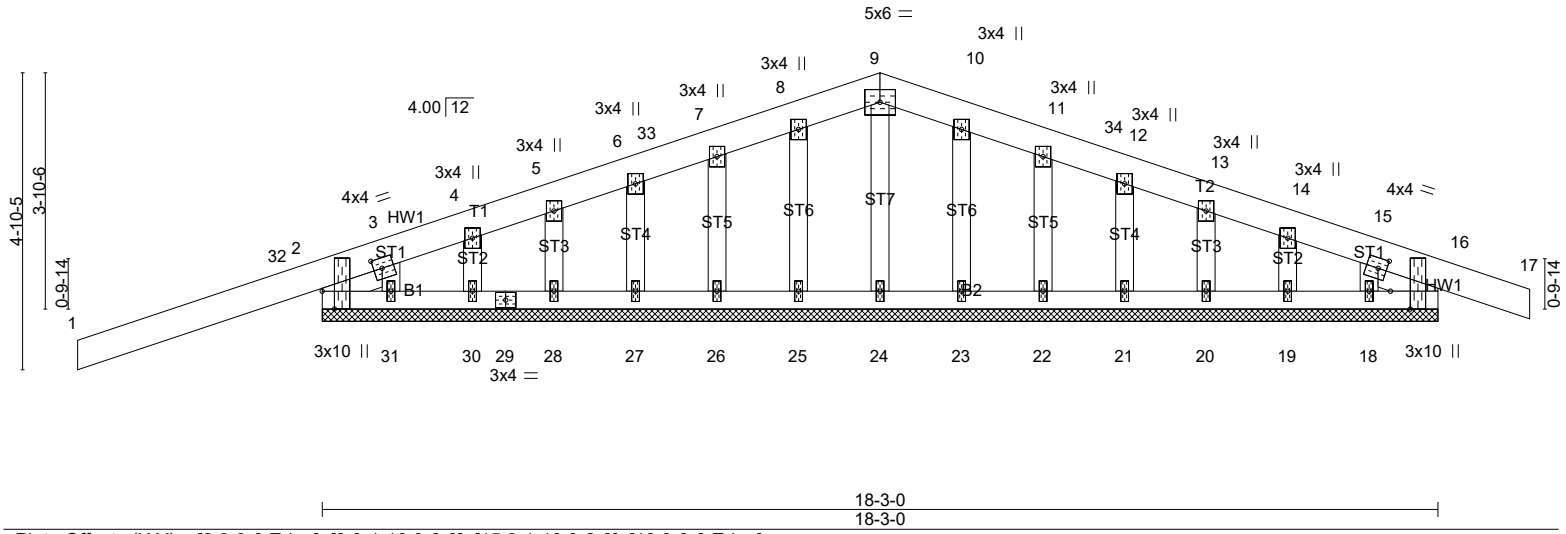

18-3-0
18-3-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-1-10,0-2-0], [15:0-1-10,0-2-0], [16:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.00	17	n/r	120	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	17	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	16	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 111 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 1-0-9, Right 2x4 DF No.2 1-0-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. All bearings 18-3-0.
(lb) - Max Horz 2=85(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 30, 23, 22, 21, 20, 19, 18 except 2=-482(LC 8), 31=-428(LC 1), 16=-102(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 24, 25, 26, 27, 28, 30, 23, 22, 21, 20, 19, 18, 16 except 2=787(LC 1), 31=311(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-261/206
WEBS 3-31=-341/360

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -4-0-0 to -0-4-13, Exterior(2N) -0-4-13 to 9-1-8, Corner(3R) 9-1-8 to 12-8-11, Exterior(2N) 12-8-11 to 19-9-0 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 15 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 30, 23, 22, 21, 20, 19, 18 except (jt=lb) 2=482, 31=428, 16=102.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 16.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	GE10	Common Structural Gable	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:09 2022 Page 1
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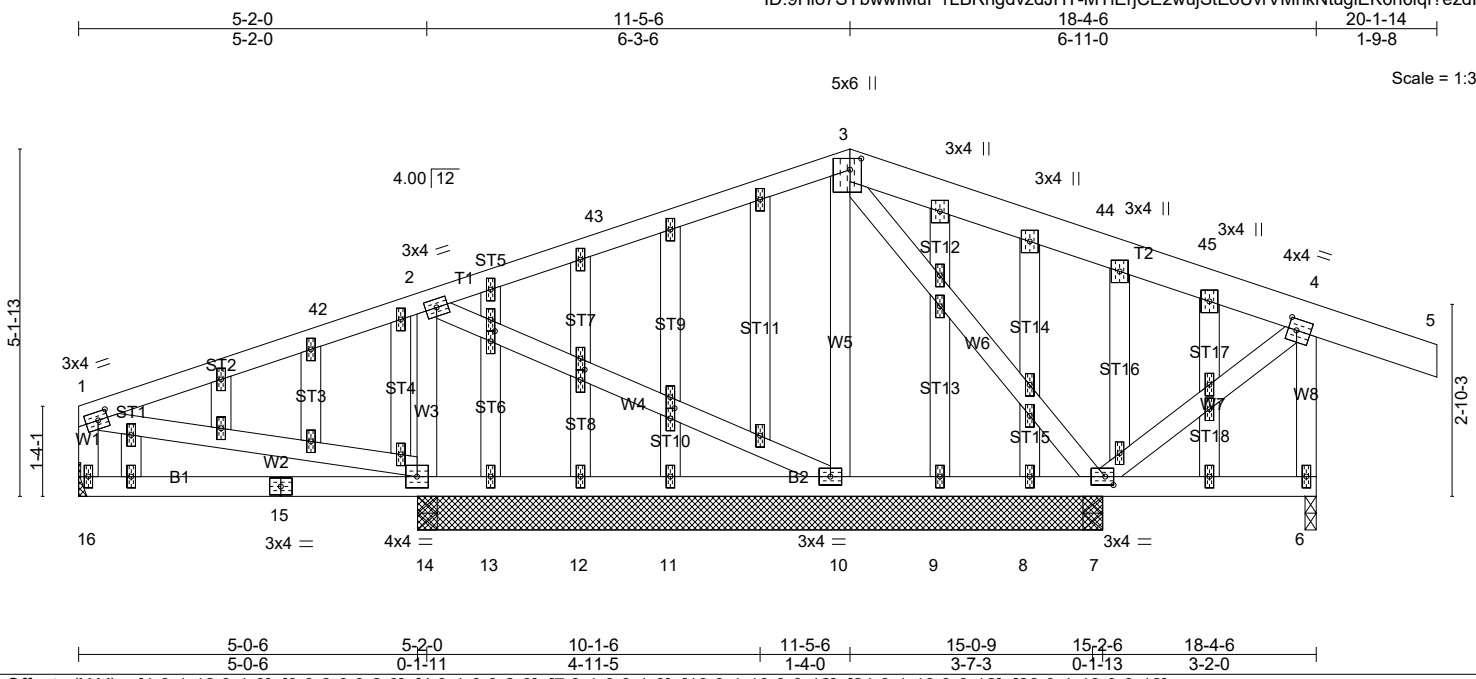

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [3:0-2-0,0-2-0], [4:0-1-8,0-2-0], [7:0-1-8,0-1-8], [19:0-1-13,0-0-12], [21:0-1-13,0-0-12], [23:0-1-13,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.01	14-16	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 144 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except* T2: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

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.

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

REACTIONS. All bearings 10-2-0 except (jt=length) 16=Mechanical, 6=0-2-0, 7=0-3-8.
(lb) - Max Horz 16=48(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 13, 8, 7 except 14=-148(LC 12), 6=-130(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 16, 11, 12, 9, 8, 7 except 14=489(LC 25), 14=486(LC 1), 10=345(LC 1), 6=313(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-6=-288/165
WEBS 2-14=-392/187, 3-10=-297/134

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-8-15, Interior(1) 3-8-15 to 11-5-6, Exterior(2R) 11-5-6 to 15-0-9, Interior(1) 15-0-9 to 20-1-14 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 15 degree rotation about its center.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 13, 8, 7 except (jt=lb) 14=148, 6=130.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H01	Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:10 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-qfFc23CspE0a41p_2dMkuuGaJIyzzkWxLPaCX4zdH3t

1-10-4	5-4-4	9-4-4	12-10-4	14-8-8
1-10-4	3-6-0	4-0-0	3-6-0	1-10-4

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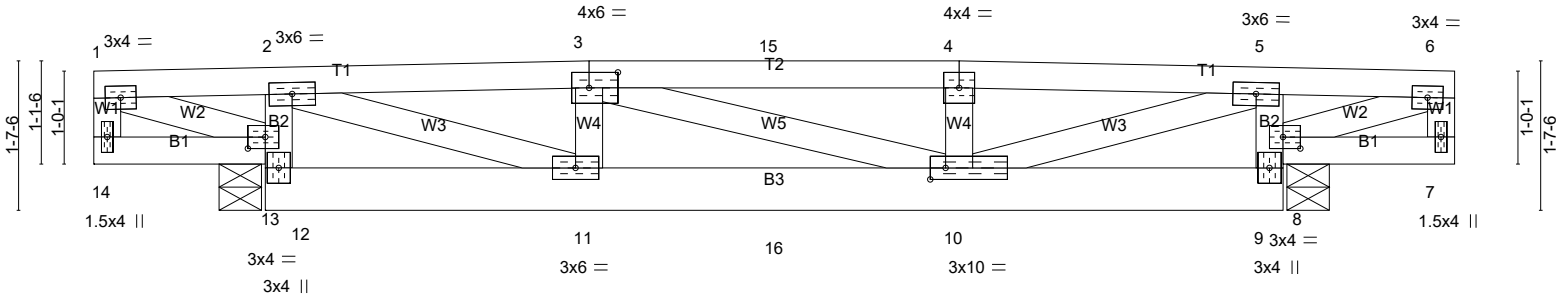

1-4-4	1-10-4	5-4-4	5-5-0	7-5-0	9-3-8	9-4-4	12-10-4	13-4-4	14-8-8
1-4-4	0-6-0	3-6-0	0-0-12	2-0-0	1-10-8	0-0-12	3-6-0	0-6-0	1-4-4

Plate Offsets (X,Y)-- [3:0-3-12,0-2-0], [8:0-2-4,0-1-8], [10:0-2-0,0-1-8], [13:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.05	10-11	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.08	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 72 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2 *Except*
B3: 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins, except end verticals.
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. (lb/size) 13=859/0-5-8 (min. 0-1-8), 8=860/0-5-8 (min. 0-1-8)
Max Horz 13=25(LC 7)
Max Uplift13=-314(LC 4), 8=-315(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1432/481, 3-15=-1411/484, 4-15=-1411/484, 4-5=-1414/483
BOT CHORD 2-13=-744/278, 11-16=-488/1429, 10-16=-488/1429, 5-8=-737/275
WEBS 2-11=-517/1504, 5-10=-509/1481

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=314, 8=315.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 234 lb down and 117 lb up at 5-4-4, and 98 lb down and 50 lb up at 7-5-0, and 234 lb down and 117 lb up at 9-3-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-64, 13-14=-16, 9-12=-16, 7-8=-16
Concentrated Loads (lb)
Vert: 11=-234(F) 10=-234(F) 16=-98(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H02	Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:11 2022 Page 1
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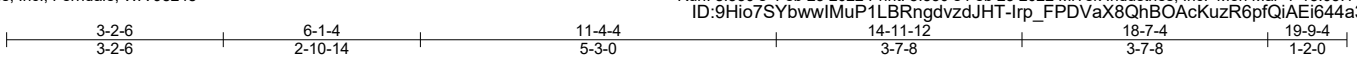

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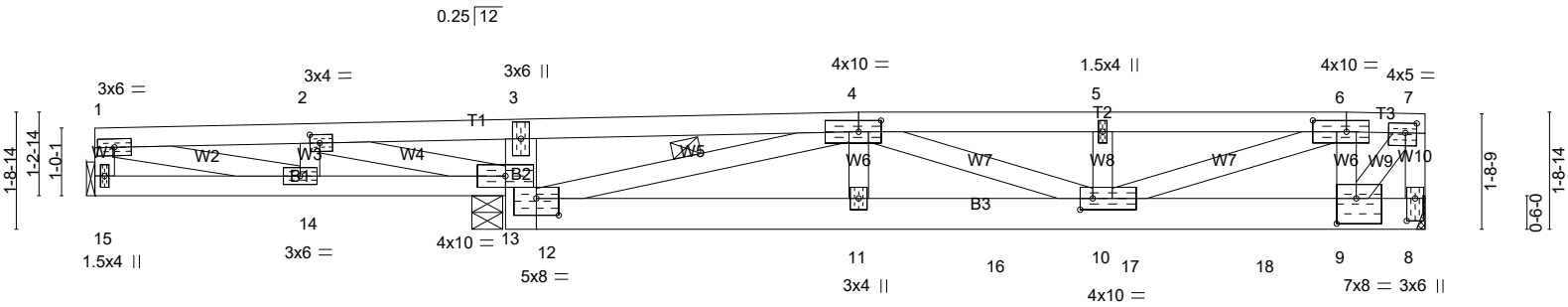

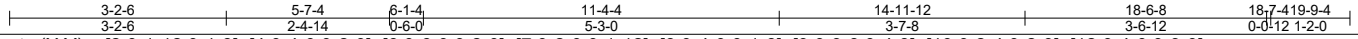

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [4:0-4-0,0-2-0], [6:0-6-0,0-2-0], [7:0-2-0,0-1-12], [8:0-4-0,0-1-8], [9:0-3-8,0-4-8], [10:0-2-4,0-2-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.15	10-11	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.23	10-11	>701	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.02	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 98 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x6 DF No.2 *Except*
B1: 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-12

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

REACTIONS. (lb/size) 15=70/Mechanical, 8=1719/Mechanical, 13=1826/0-5-8 (min. 0-1-15)
Max Horz 13=43(LC 28)
Max Uplift 15=-80(LC 29), 8=-529(LC 4), 13=-555(LC 4)
Max Grav 15=152(LC 16), 8=1719(LC 1), 13=1826(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-249/348, 2-3=-344/1099, 3-4=-136/479, 4-5=-3620/1127, 5-6=-3620/1127, 6-7=-1428/451, 7-8=-1852/570
BOT CHORD 13-14=-347/253, 12-13=-338/1193, 3-13=-359/151, 11-12=-1038/3452, 11-16=-1038/3452, 10-16=-1038/3452, 10-17=-440/1427, 17-18=-440/1427, 9-18=-440/1427
WEBS 1-14=-357/204, 2-13=-959/283, 4-11=-204/793, 4-10=-98/277, 6-10=-722/2343, 6-9=-950/315, 7-9=-690/2248, 4-12=-4072/1242

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 8=529, 13=555.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 707 lb down and 248 lb up at 11-4-4, 337 lb down and 117 lb up at 13-5-0, 337 lb down and 117 lb up at 15-5-0, and 337 lb down and 117 lb up at 17-5-0, and 337 lb down and 117 lb up at 18-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-64, 13-15=-16, 8-12=-16
Concentrated Loads (lb)
Vert: 11=-707(F) 9=-337(F) 16=-337(F) 17=-337(F) 18=-337(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H02A	Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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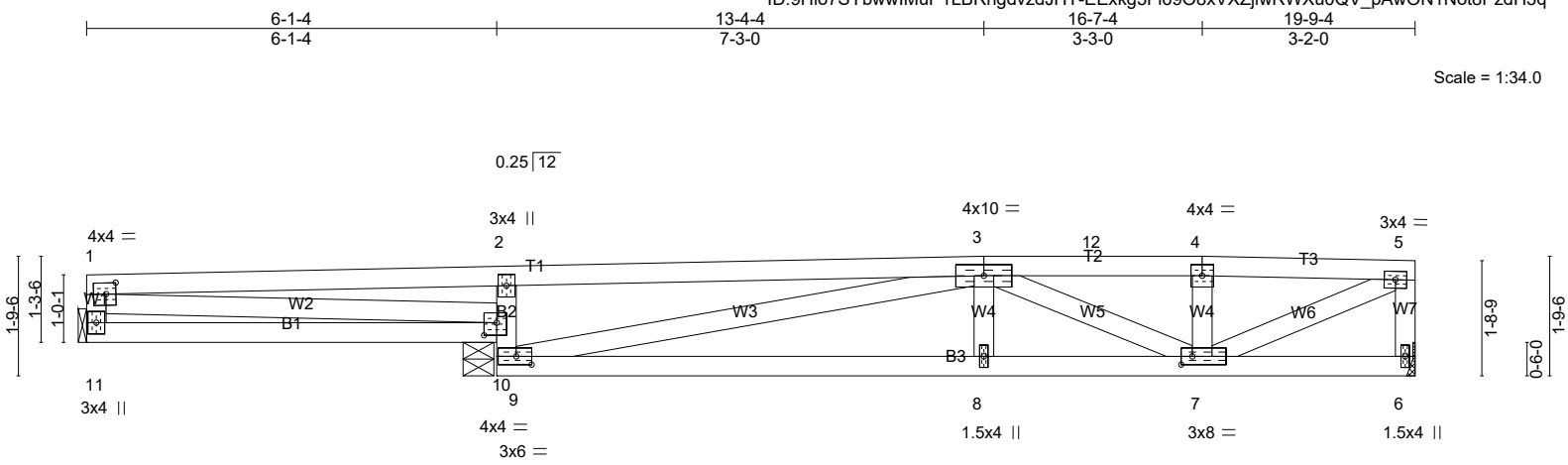

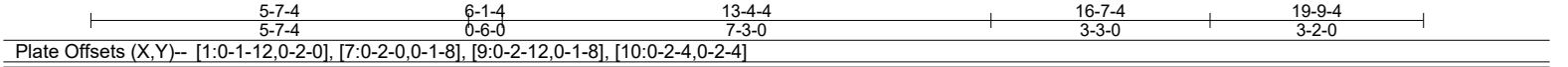

Plate Offsets (X,Y)-- [1:0-1-12,0-2-0], [7:0-2-0,0-1-8], [9:0-2-12,0-1-8], [10:0-2-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.07	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.14	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.02	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 86 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-12 oc bracing.

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

REACTIONS. (lb/size) 11=184/Mechanical, 6=507/Mechanical, 10=867/0-5-8 (min. 0-1-8)
Max Horz 10=45(LC 11)
Max Uplift11=-47(LC 12), 6=-143(LC 8), 10=-257(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-12=-793/527, 4-12=-793/527, 4-5=-795/526, 5-6=-475/326
BOT CHORD 9-10=-128/295, 2-10=-499/444, 8-9=-713/1155, 7-8=-713/1155
WEBS 3-7=-398/217, 5-7=-532/838, 3-9=-1140/695

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 6=143, 10=257.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H03	Half Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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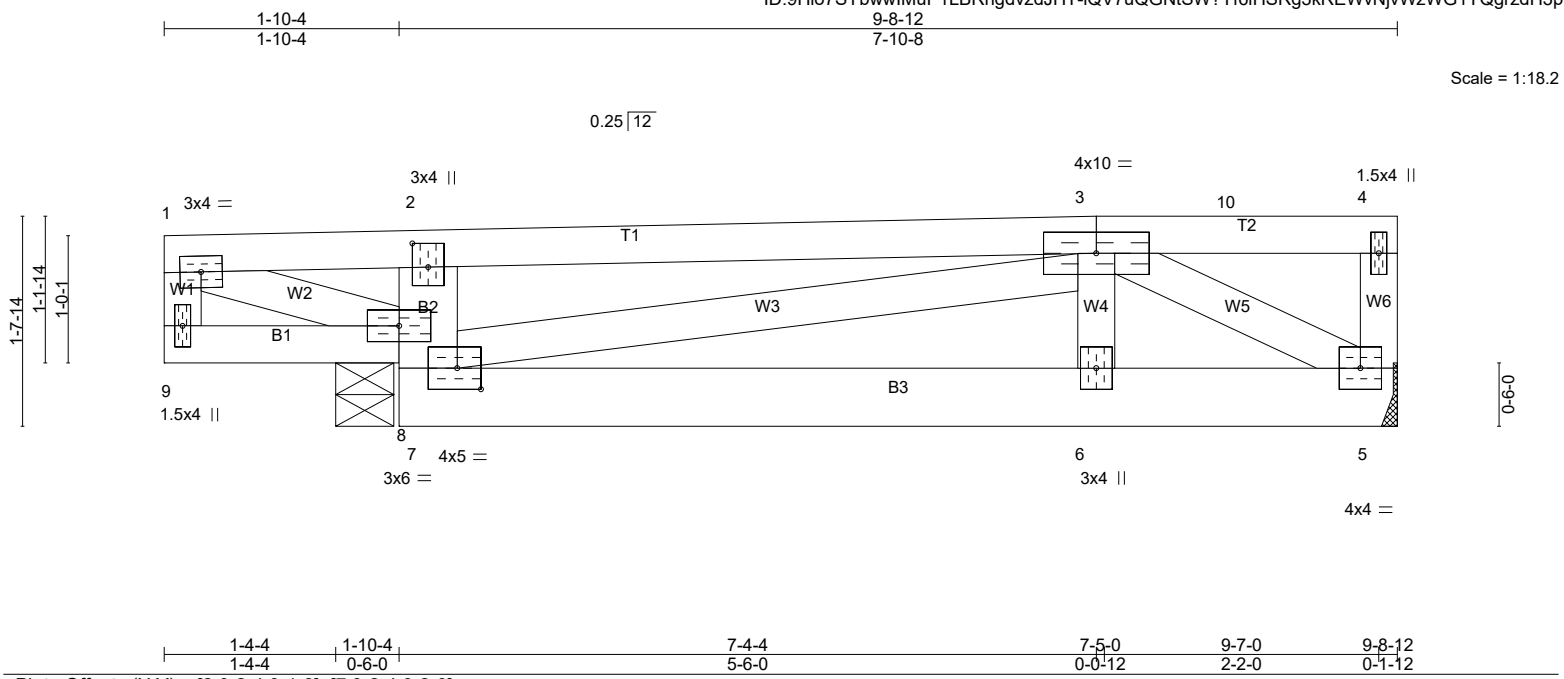

Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [7:0-2-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.01	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 49 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x6 DF No.2 *Except*
B1: 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.

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

REACTIONS. (lb/size) 5=778/Mechanical, 8=611/0-5-8 (min. 0-1-8)
Max Horz 8=41(LC 7)
Max Uplift5=-264(LC 4), 8=-231(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 7-8=-62/254, 2-8=-299/135, 6-7=-278/853, 5-6=-278/853
WEBS 3-6=-130/450, 3-7=-759/273, 3-5=-943/321

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=264, 8=231.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 459 lb down and 210 lb up at 7-4-4, and 176 lb down and 64 lb up at 9-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-64, 8-9=-16, 5-7=-16
Concentrated Loads (lb)
Vert: 5=-176(B) 6=-459(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H03A	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:14 2022 Page 1
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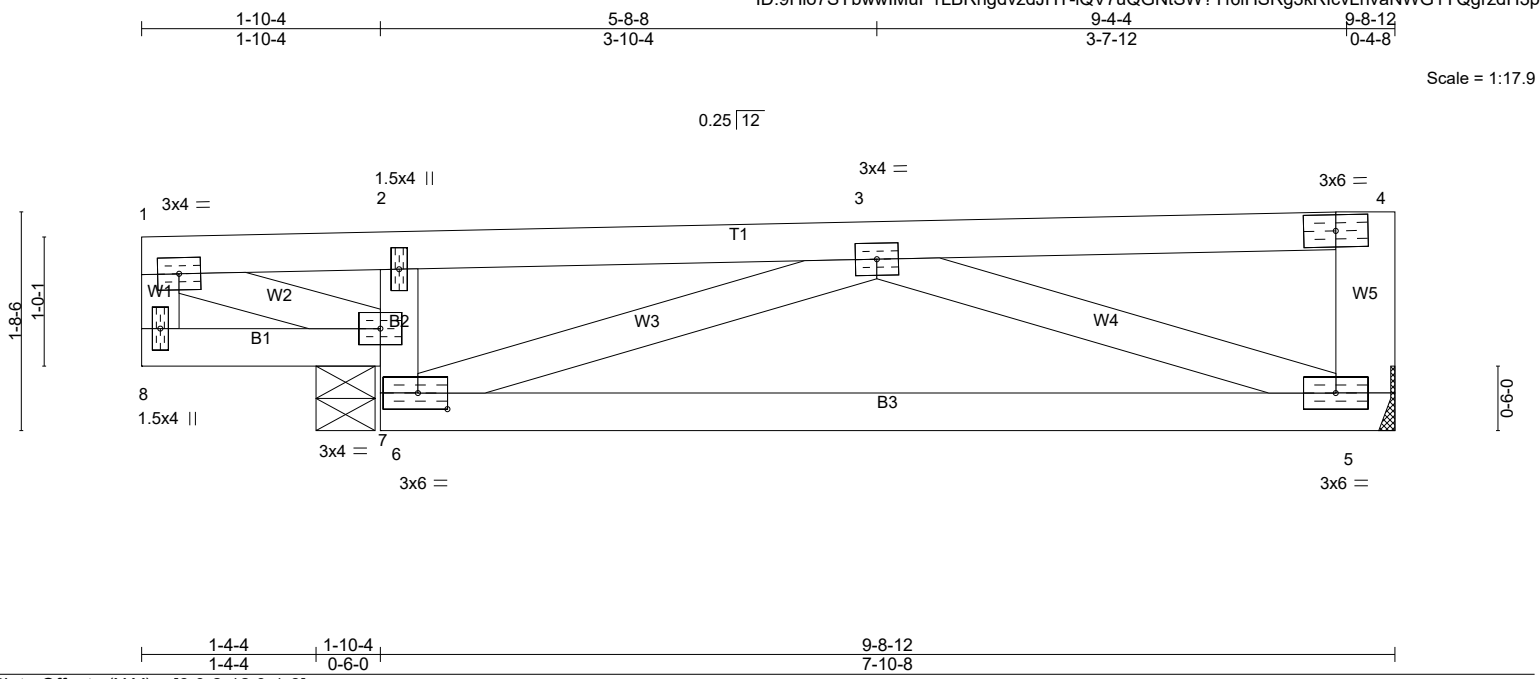

Plate Offsets (X,Y)-- [6:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.08	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.15	5-6	>598	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 43 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except*
W5: 2x6 DF No.2

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

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

REACTIONS. (lb/size) 5=282/Mechanical, 7=467/0-5-8 (min. 0-1-8)
Max Horz 7=45(LC 11)
Max Uplift 5=-80(LC 12), 7=-171(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-209/255, 5-6=-384/372
WEBS 3-6=-406/530, 3-5=-324/365

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 7=171.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H04	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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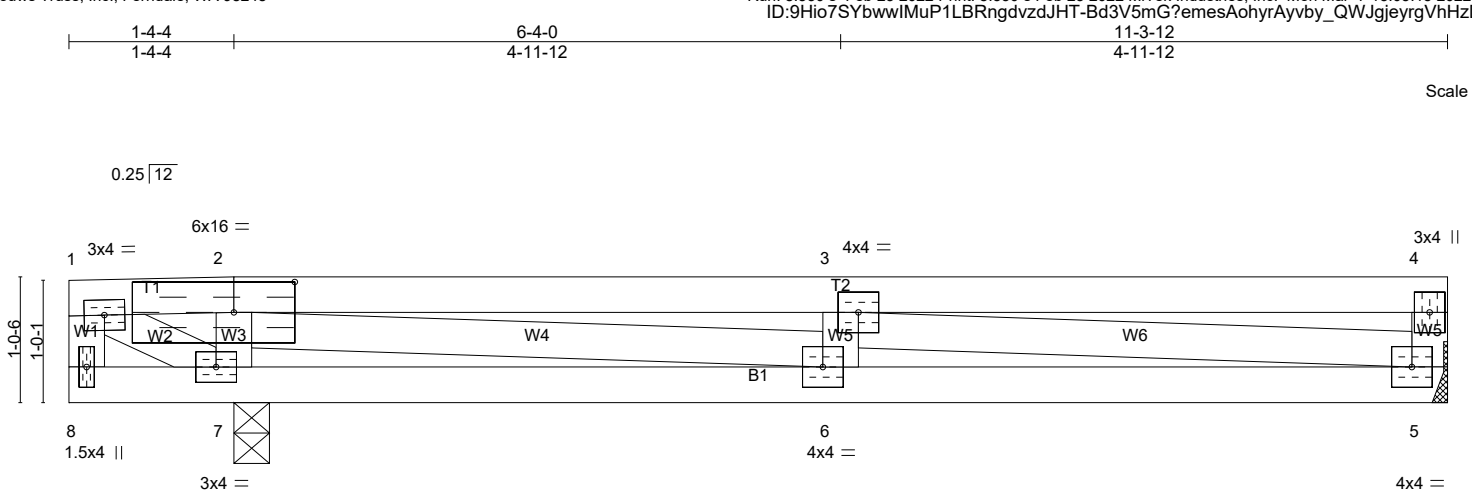

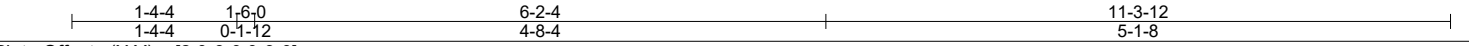

Plate Offsets (X,Y)-- [2:0-6-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	0.08	6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.12	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-2 oc bracing.

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

REACTIONS. (lb/size) 5=387/Mechanical, 7=495/0-3-8 (min. 0-1-8)
Max Horz 7=26(LC 11)
Max Uplift 5=-112(LC 9), 7=-166(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1301/1052
BOT CHORD 5-6=-1065/1301
WEBS 2-7=-401/434, 2-6=-1036/1211, 3-5=-1123/909

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=112, 7=166.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H04A	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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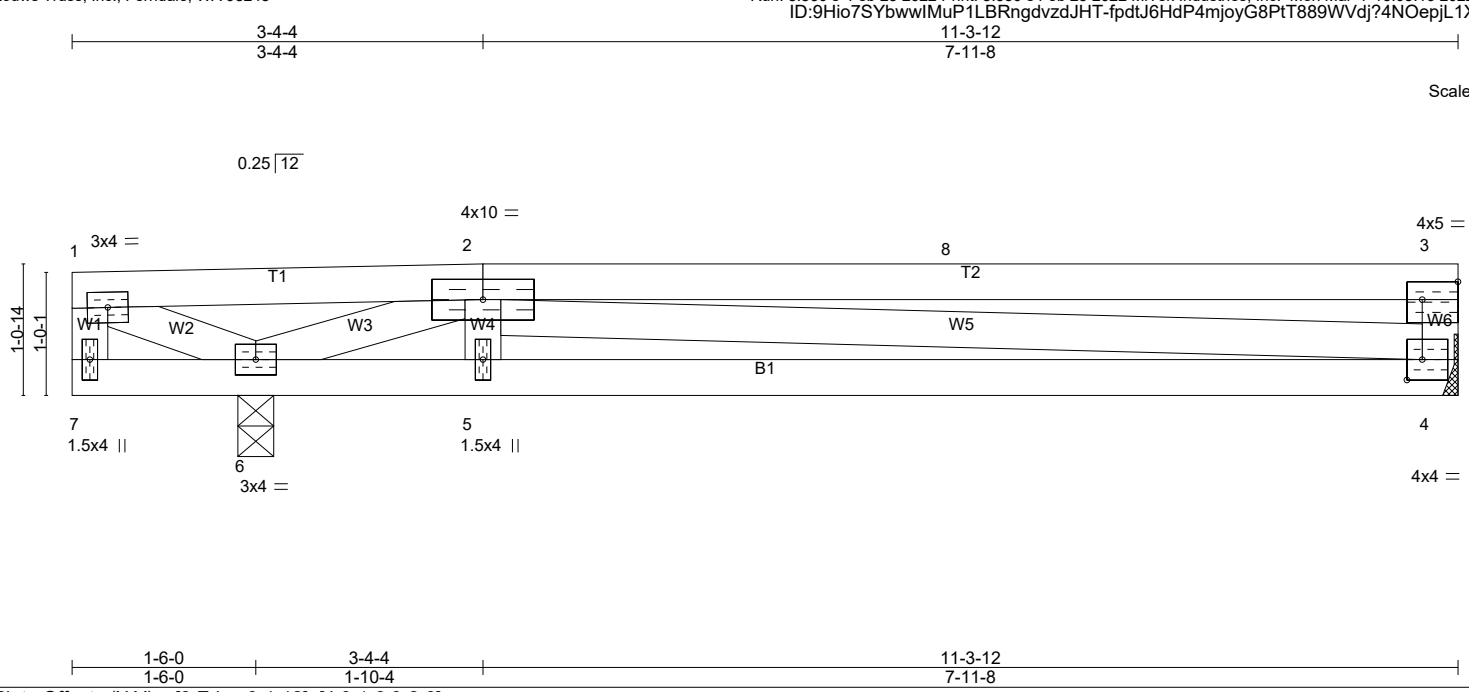

Plate Offsets (X,Y)-- [3:Edge,0-1-12], [4:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.09	4-5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.17	4-5	>688	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 4=379/Mechanical, 6=503/0-3-8 (min. 0-1-8)
Max Horz 6=27(LC 9)
Max Uplift4=-108(LC 9), 6=-171(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-363/323, 3-8=-363/323, 3-4=-260/292
BOT CHORD 5-6=-648/891, 4-5=-648/891
WEBS 2-6=-1059/815, 2-5=0/267, 2-4=-531/329

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=108, 6=171.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H04B	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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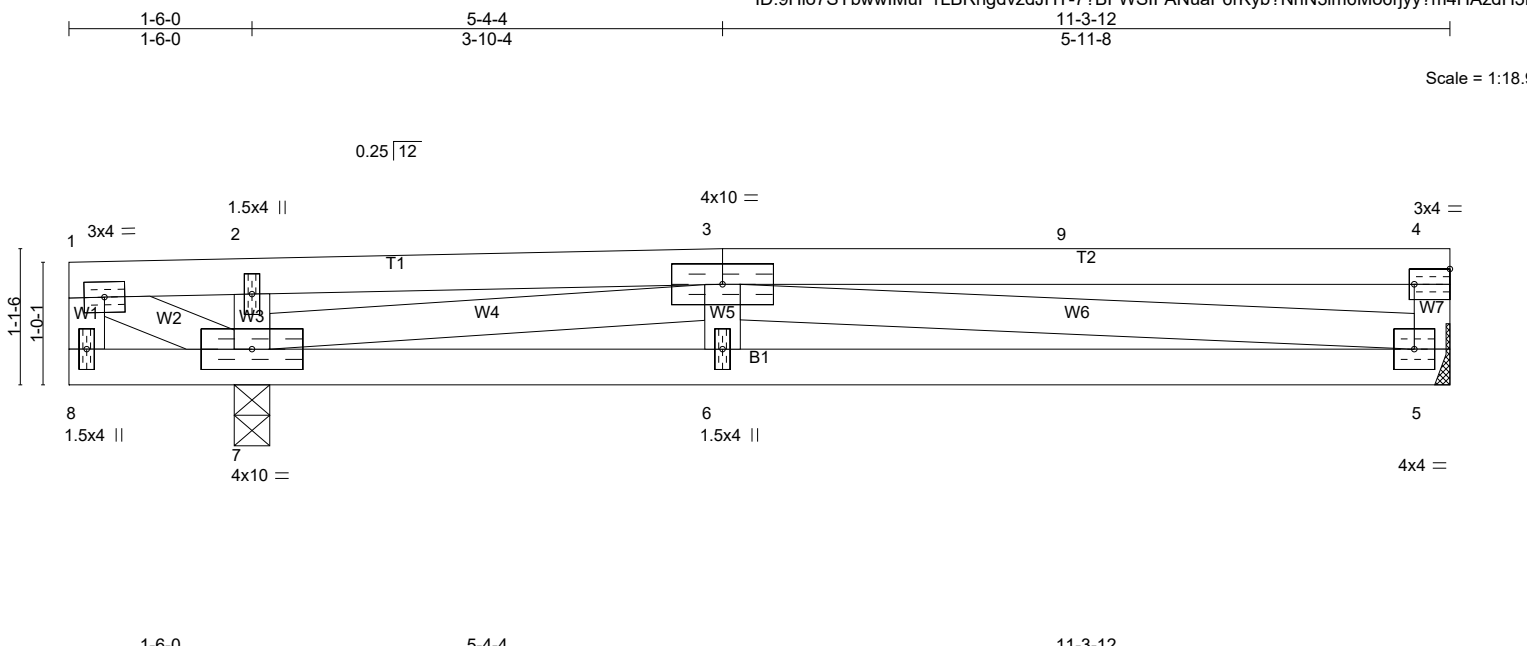

1-6-0
1-6-0
5-4-4
3-10-4
11-3-12
5-11-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.05	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.09	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 5=379/Mechanical, 7=503/0-3-8 (min. 0-1-8)
Max Horz 7=29(LC 11)
Max Uplift5=-106(LC 8), 7=-171(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 6-7=-844/1074, 5-6=-844/1074
WEBS 3-7=-1004/836, 3-5=-858/650, 2-7=-248/270

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=106, 7=171.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H04C	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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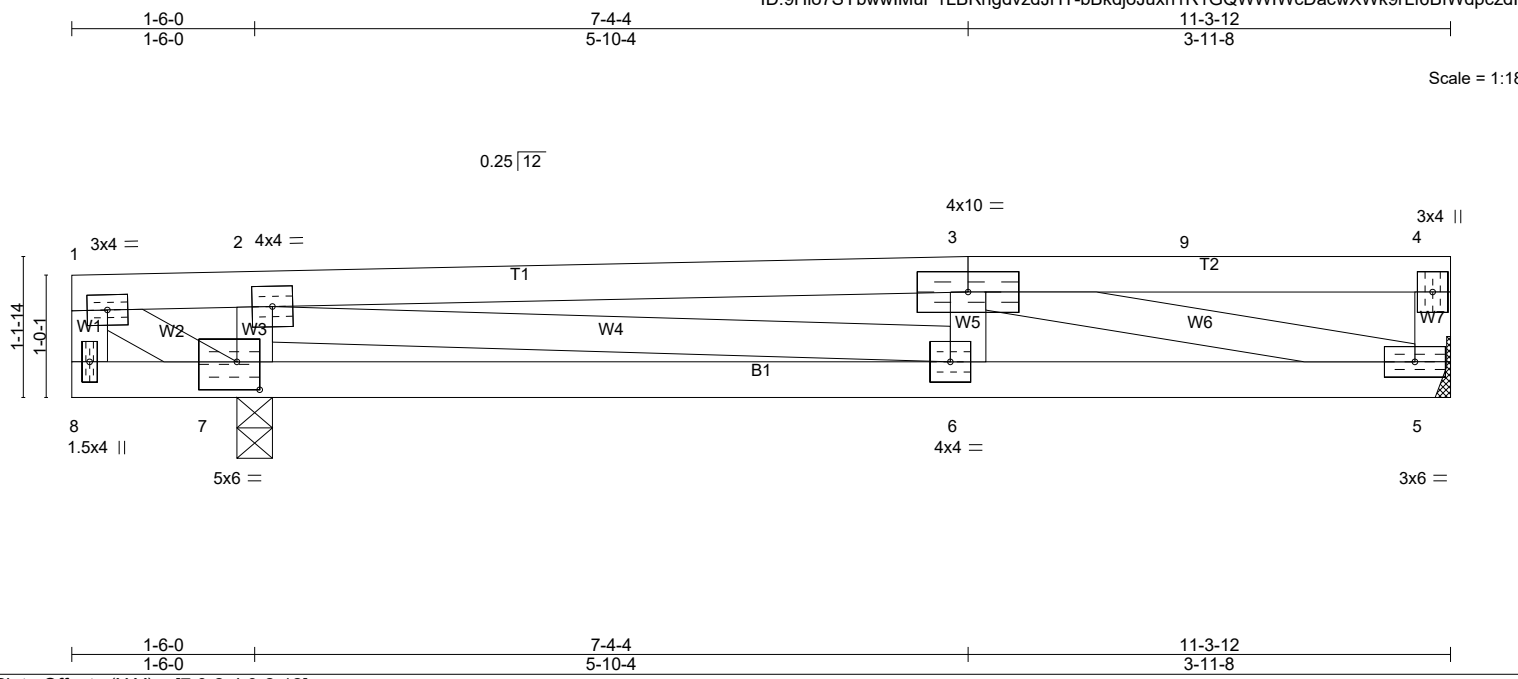

Plate Offsets (X,Y)-- [7:0-2-4,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.05	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-15 oc purlins, except end verticals.
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. (lb/size) 5=394/Mechanical, 7=487/0-3-8 (min. 0-1-8)
Max Horz 7=30(LC 11)
Max Uplift 5=-111(LC 8), 7=-160(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1110/883
BOT CHORD 6-7=-390/452, 5-6=-897/1106
WEBS 1-7=-205/351, 2-7=-575/613, 2-6=-531/658, 3-5=-1031/819

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=111, 7=160.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H04D	Half Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:19 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-3OI0x8JWi?9IfQ?j401rmo86Awv9ansFPJFBM3zdH3k

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1-6-0	3-7-6	3-7-6	2-7-0

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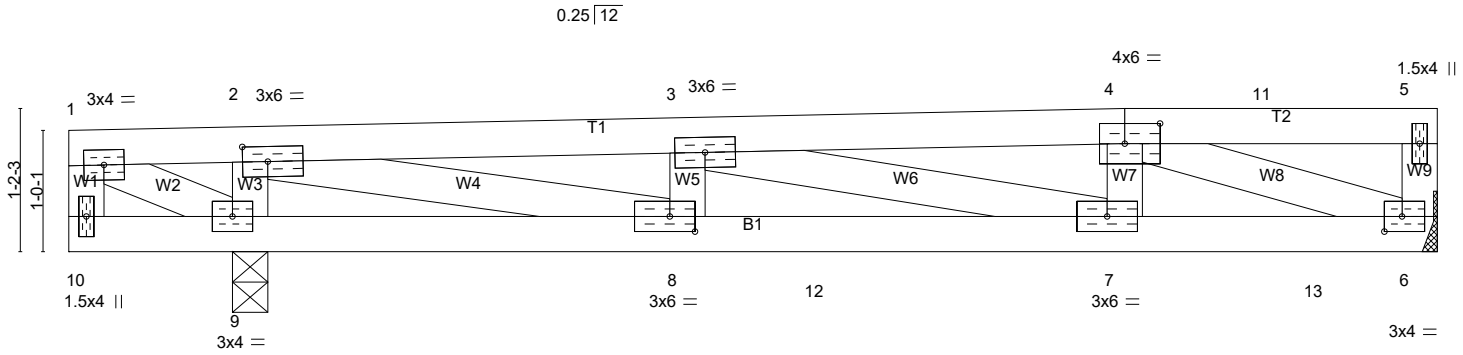

1-6-0	5-1-6	6-3-0	8-8-12	10-4-8	11-3-12
1-6-0	3-7-6	1-1-10	2-5-12	1-7-12	0-11-4

Plate Offsets (X,Y)-- [2:0-2-8,0-1-8], [4:0-3-8,0-2-0], [6:0-1-12,0-1-8], [8:0-2-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.09	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.13	7-8	>867	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.02	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 48 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins, except end verticals.
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. (lb/size) 6=795/Mechanical, 9=694/0-3-8 (min. 0-1-8)
Max Horz 9=31(LC 7)
Max Uplift6=-264(LC 4), 9=-246(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1881/628, 3-4=-1525/508
BOT CHORD 8-12=-616/1877, 7-12=-616/1877, 7-13=-491/1523, 6-13=-491/1523
WEBS 2-9=-685/257, 2-8=-614/1792, 3-7=-364/132, 4-7=-98/360, 4-6=-1512/496

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=264, 9=246.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 332 lb down and 152 lb up at 6-3-0, and 275 lb down and 114 lb up at 10-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-64, 6-10=-16
Concentrated Loads (lb)
Vert: 12=-332(F) 13=-275(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H05	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:20 2022 Page 1
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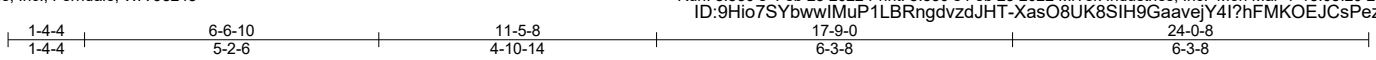

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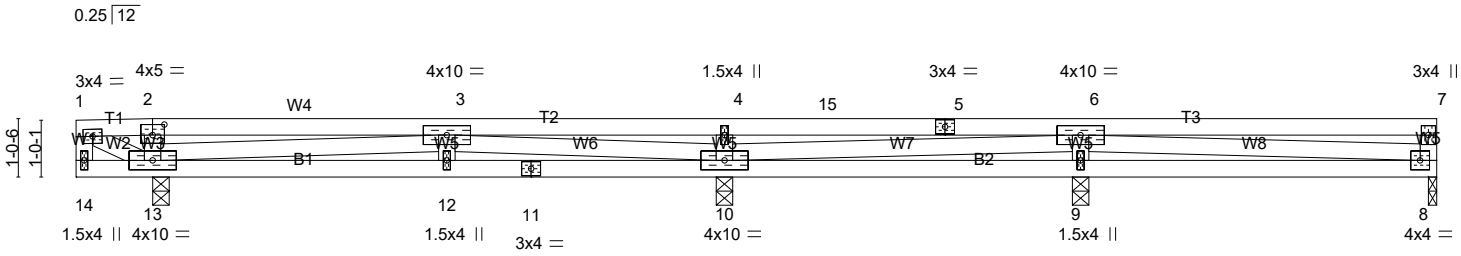


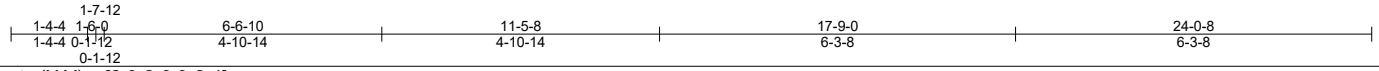


Plate Offsets (X,Y)-- [2:0-2-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.07	12	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.10	12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	10	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 99 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. All bearings 0-3-8 except (jt=length) 8=0-1-12.
(lb) - Max Horz 13=26(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 13=-155(LC 8), 10=-210(LC 9), 9=-159(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 8 except 13=457(LC 1), 10=731(LC 1), 9=515(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-161/266, 4-15=-161/266, 5-15=-161/266, 5-6=-161/266
BOT CHORD 12-13=-578/1016, 11-12=-578/1016, 10-11=-578/1016
WEBS 2-13=-292/231, 3-13=-867/543, 3-10=-1297/734, 4-10=-383/302, 6-9=-419/345

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 13=155, 10=210, 9=159.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

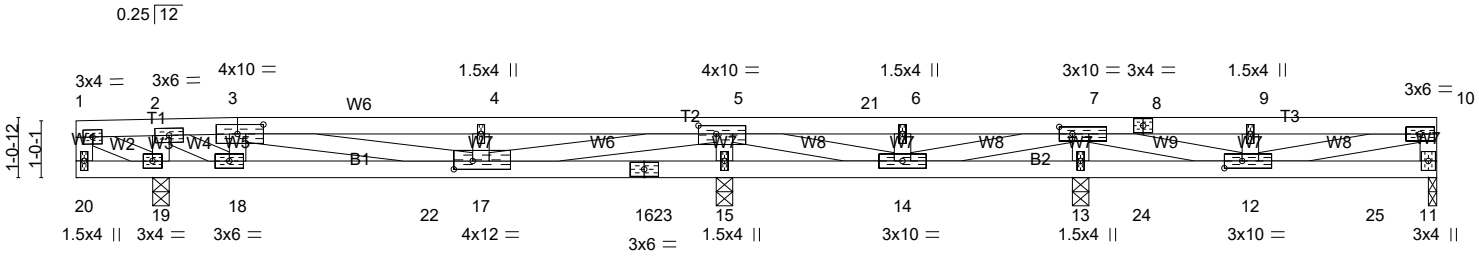
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H05A	Half Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:21 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-?mQmMqLmDcP0uj95BQ3JrDEQJkfl2fFYtdkIQxzdH3i

1-6-0	2-10-4	7-1-14	11-5-8	14-7-4	17-9-0	20-9-0	24-0-8
1-6-0	1-4-4	4-3-10	4-3-10	3-1-12	3-1-12	3-0-0	3-3-8

Scale = 1:40.7



1-6-0	2-10-4	6-3-0	7-1-14	10-4-8	11-5-8	14-7-4	17-9-0	18-10-0	20-9-0	22-11-8	24-0-8
1-6-0	1-4-4	3-4-12	0-10-14	3-2-10	1-1-0	3-1-12	3-1-12	1-1-0	1-11-0	2-2-8	1-1-0

Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [5:0-3-12,0-1-12], [7:0-2-12,0-1-8], [12:0-3-12,0-1-8], [17:0-4-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.10	17-18	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.16	17-18	>761	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 100 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
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. All bearings 0-3-8 except (jt=length) 11=0-1-12.
(lb) - Max Horz 19=28(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) except 11=-204(LC 5), 19=-228(LC 4), 15=-443(LC 5), 13=-297(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 11=604(LC 1), 19=639(LC 1), 15=1340(LC 1), 13=888(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-943/310, 3-4=-1817/628, 4-5=-1817/628, 5-21=-227/426, 6-21=-227/426, 6-7=-227/426, 7-8=-857/296, 8-9=-857/296, 9-10=-857/296, 10-11=-280/105
BOT CHORD 18-22=-323/943, 17-22=-323/943, 16-17=-637/215, 16-23=-637/215, 15-23=-637/215, 14-15=-637/215
WEBS 2-19=-647/217, 2-18=-369/1143, 3-18=-359/149, 3-17=-327/888, 5-17=-845/2493, 5-15=-823/299, 5-14=-167/325, 7-14=-229/288, 7-13=-487/186, 7-12=-374/1128, 10-12=-228/673

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 11, 228 lb uplift at joint 19, 443 lb uplift at joint 15 and 297 lb uplift at joint 13.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 332 lb down and 148 lb up at 6-3-0, 410 lb down and 174 lb up at 10-4-8, and 410 lb down and 174 lb up at 18-10-0, and 419 lb down and 166 lb up at 22-11-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-10=-64, 11-20=-16
Concentrated Loads (lb)
Vert: 22=-332(B) 23=-410(B) 24=-410(B) 25=-419(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H05B	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:22 2022 Page 1
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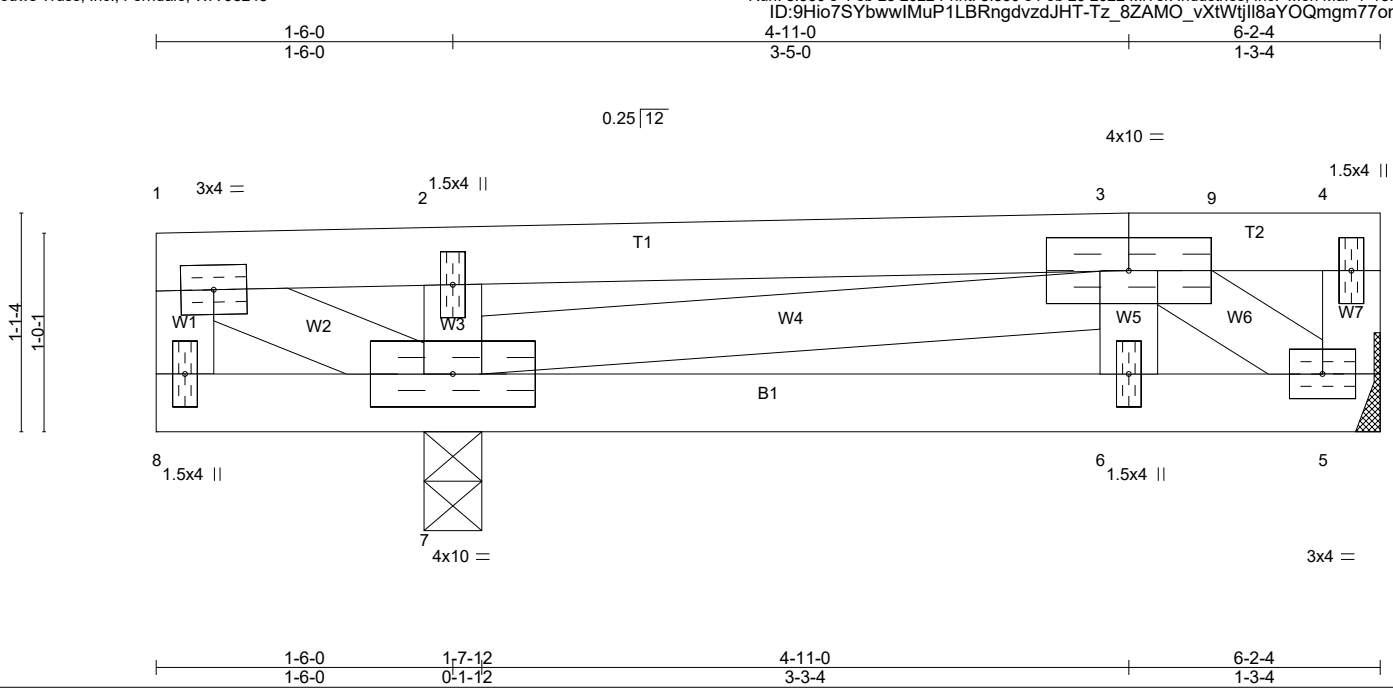


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 27 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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.

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

REACTIONS. (lb/size) 5=166/Mechanical, 7=306/0-3-8 (min. 0-1-8)
Max Horz 7=29(LC 11)
Max Uplift5=-42(LC 8), 7=-117(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-227/321

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 5 and 117 lb uplift at joint 7.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

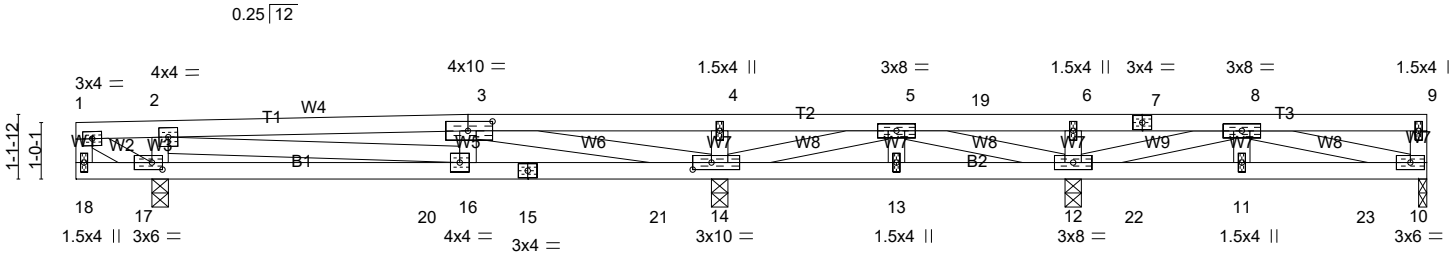
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H05C	Half Hip Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:24 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-QL6v_rNeWXnalBtgtZd0TrswaxeUFxo_Zbzy1GzdH3f

1-6-0	6-11-12	11-5-8	14-7-4	17-9-0	20-9-0	24-0-8
1-6-0	5-5-12	4-5-12	3-1-12	3-1-12	3-0-0	3-3-8

Scale = 1:41.0



1-6-0	6-3-0	6-11-12	10-4-8	11-5-8	14-7-4	17-9-0	18-10-0	20-9-0	22-11-8	24-0-8
1-6-0	4-9-0	0-8-12	3-4-12	1-1-0	3-1-12	3-1-12	1-1-0	1-11-0	2-2-8	1-1-0

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [14:0-4-0,0-1-8], [17:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.11	16-17	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.17	16-17	>734	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.02	10	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 101 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals.
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. All bearings 0-3-8 except (jt=length) 10=0-1-12.
(lb) - Max Horz 17=30(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) except 10=-197(LC 9), 17=-211(LC 4), 14=-451(LC 4), 12=-276(LC 5)
Max Grav All reactions 250 lb or less at joint(s) except 10=604(LC 1), 17=605(LC 1), 14=1400(LC 1), 12=883(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-312/86, 2-3=-1730/575, 3-4=-239/758, 4-5=-239/758
BOT CHORD 17-20=-177/560, 16-20=-177/560, 15-16=-561/1726, 15-21=-561/1726, 14-21=-561/1726, 13-14=-468/190, 12-13=-468/190, 12-22=-270/797, 11-22=-270/797, 11-23=-270/797, 10-23=-270/797
WEBS 1-17=-135/455, 2-17=-658/269, 2-16=-393/1176, 3-16=-78/292, 3-14=-2528/827, 4-14=-336/142, 5-14=-327/141, 8-12=-1065/341, 8-11=-79/309, 8-10=-648/216

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 10, 211 lb uplift at joint 17, 451 lb uplift at joint 14 and 276 lb uplift at joint 12.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 332 lb down and 150 lb up at 6-3-0, 410 lb down and 164 lb up at 10-4-8, and 410 lb down and 164 lb up at 18-10-0, and 419 lb down and 156 lb up at 22-11-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-9=-64, 10-18=-16
Concentrated Loads (lb)
Vert: 20=-332(F) 21=-410(F) 22=-410(F) 23=-419(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H05D	Half Hip	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:25 2022 Page 1
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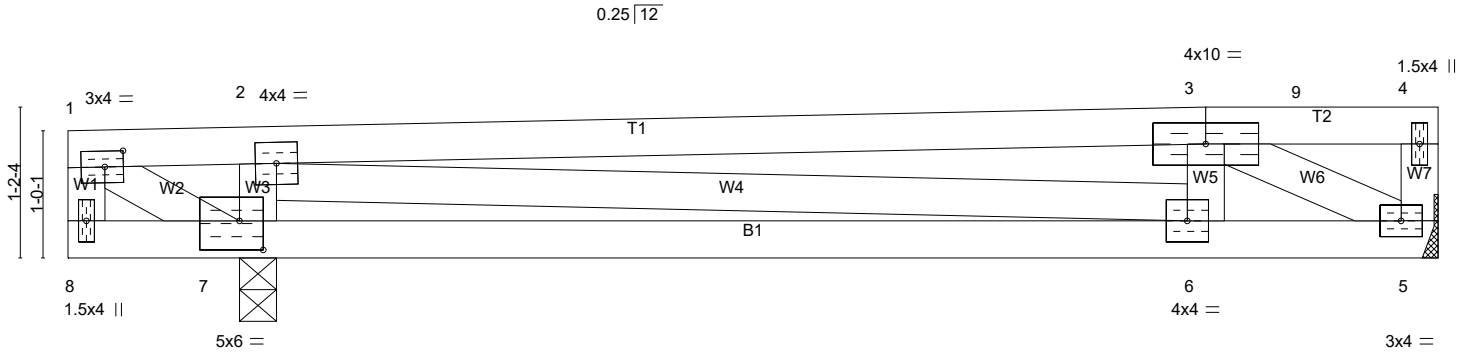
1-6-0 | 8-11-12 | 10-9-12
1-6-0 | 7-5-12 | 1-10-0

Scale = 1:18.2



1-6-0 | 8-11-12 | 10-9-12
1-6-0 | 7-5-12 | 1-10-0

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [7:0-2-4,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.06	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.12	6-7	>961	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 45 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals.
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. (lb/size) 5=374/Mechanical, 7=468/0-3-8 (min. 0-1-8)
Max Horz 7=32(LC 11)
Max Uplift 5=-105(LC 8), 7=-155(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-343/212, 2-3=-766/601
BOT CHORD 6-7=-527/592, 5-6=-610/760
WEBS 1-7=-338/515, 2-7=-651/744, 3-5=-862/673

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 5 and 155 lb uplift at joint 7.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	H06	HALF HIP GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:25 2022 Page 1
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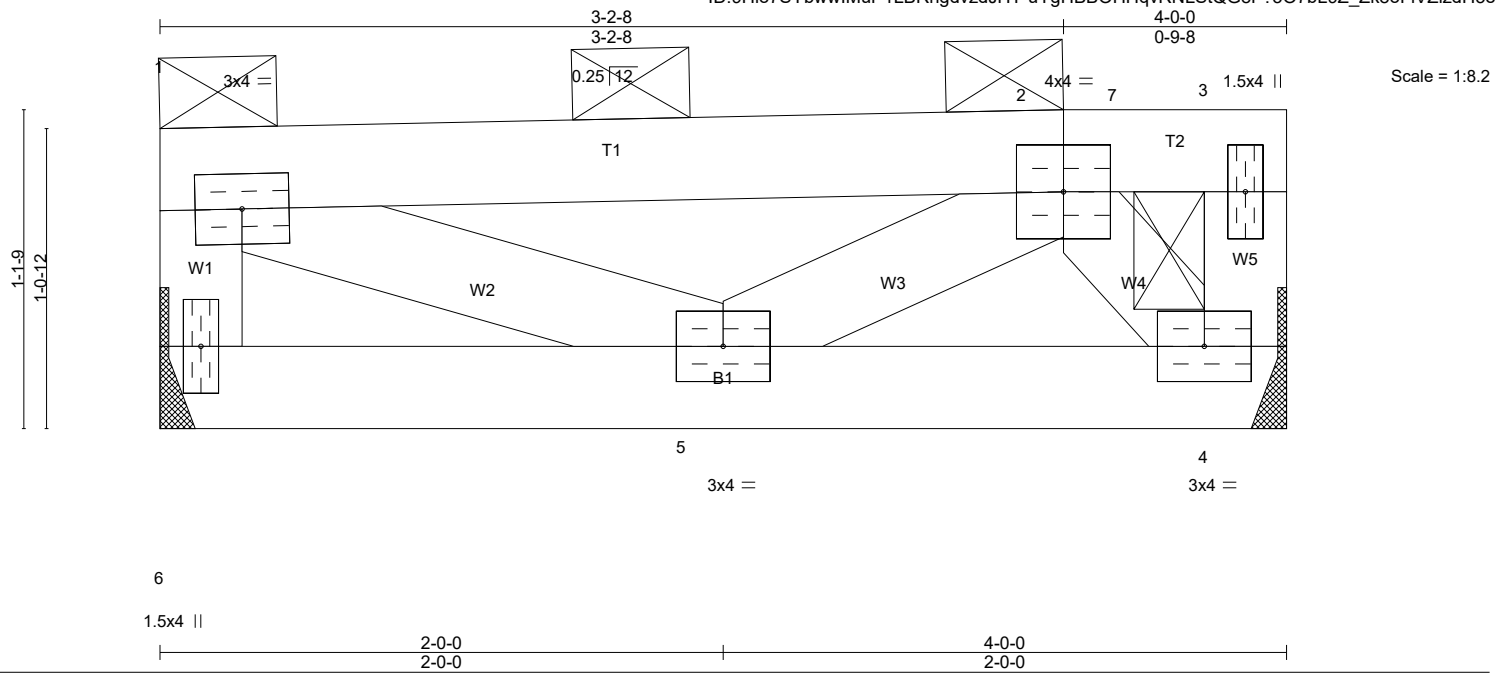

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.00	5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=363/Mechanical, 4=363/Mechanical
Max Horz 6=61(LC 5)
Max Uplift 6=-117(LC 4), 4=-119(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-333/124, 1-2=-314/71
WEBS 1-5=-87/337, 2-4=-367/135

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 6 and 119 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 134 lb down and 72 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-128, 4-6=-32
Concentrated Loads (lb)
Vert: 5=-134(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J03	Jack-Open	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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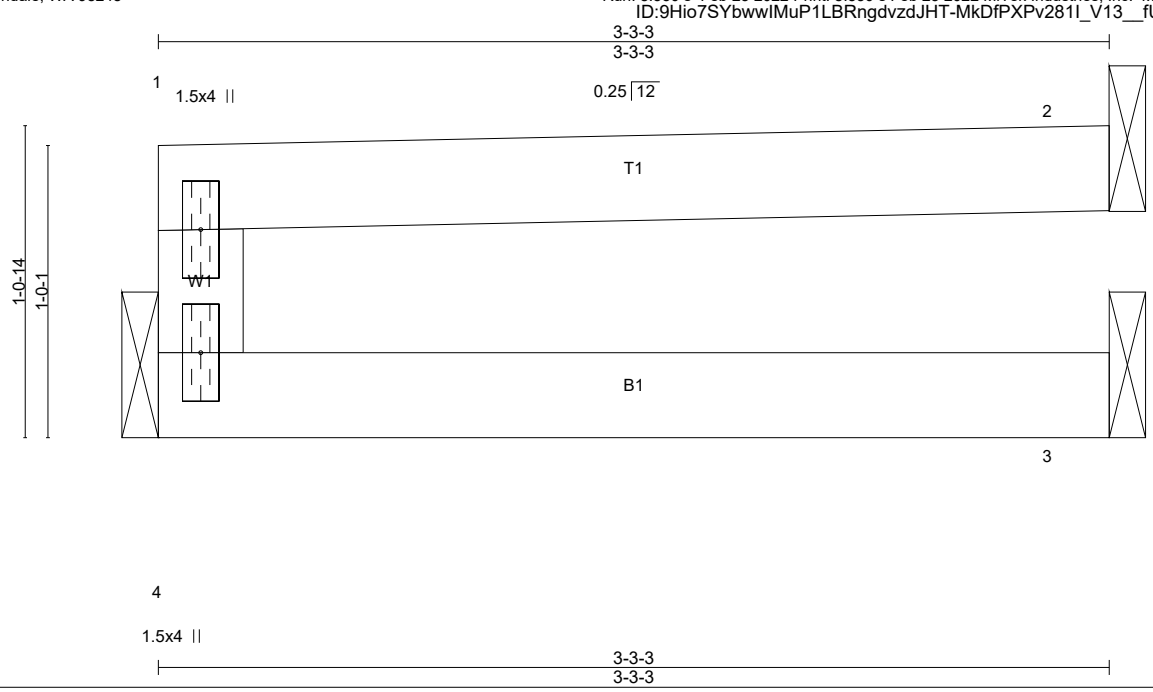

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-R							Weight: 9 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 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. (lb/size) 4=122/Mechanical, 2=91/Mechanical, 3=31/Mechanical
Max Horz 4=-17(LC 10)
Max Uplift 4=-36(LC 8), 2=-39(LC 12)
Max Grav 4=122(LC 1), 2=91(LC 1), 3=52(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 4 and 39 lb uplift at joint 2.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J03A	Jack-Open	6	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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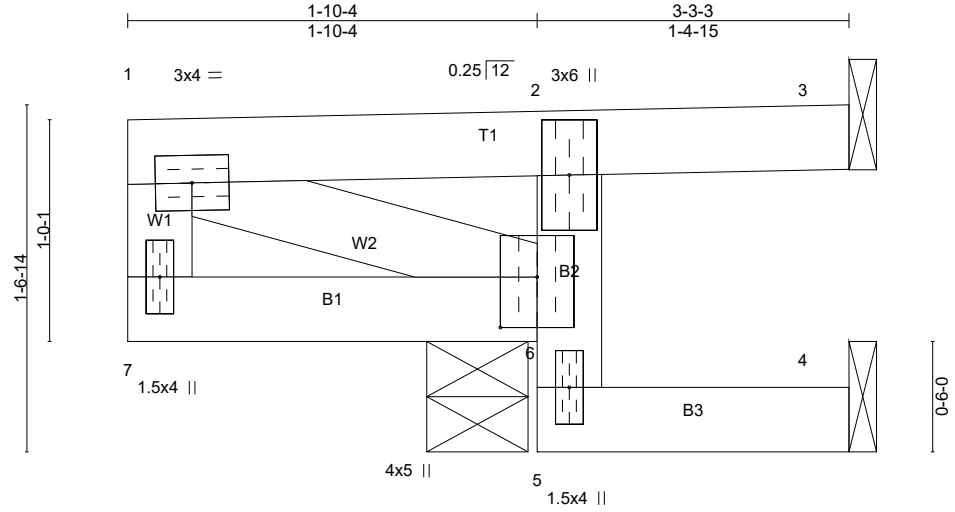

Plate Offsets (X,Y)-- [6:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.00	6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	3	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 13 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 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. (lb/size) 3=-76/Mechanical, 6=311/0-5-8 (min. 0-1-8), 4=10/Mechanical
Max Horz 6=-17(LC 10)
Max Uplift 3=-76(LC 1), 6=-149(LC 8)
Max Grav 3=42(LC 8), 6=311(LC 1), 4=22(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-6=-286/573

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 3 and 149 lb uplift at joint 6.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J04	Jack-Open	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:28 2022 Page 1
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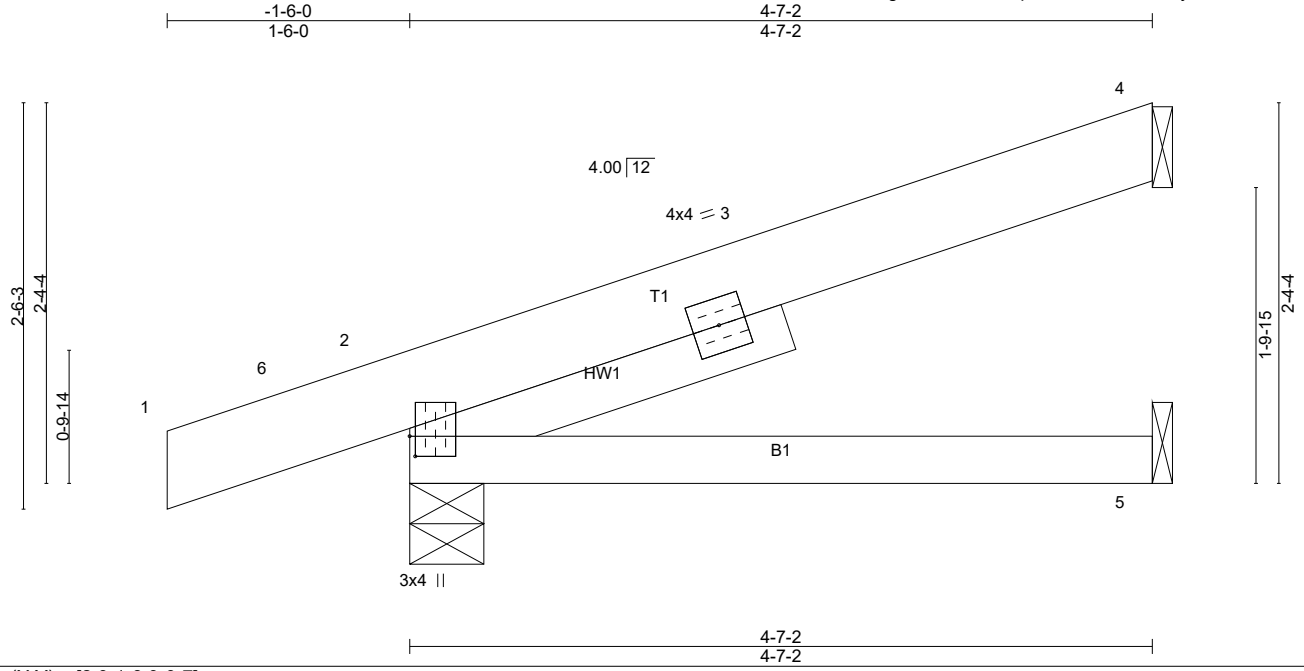

Plate Offsets (X,Y)-- [2:0-1-8,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.02	2-5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.04	2-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 24 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 DF No.2
BOT CHORD 2x4 DF No.2
SLIDER Left 2x4 DF No.2 2-5-4

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=129/Mechanical, 2=293/0-5-8 (min. 0-1-8), 5=36/Mechanical
Max Horz 2=76(LC 8)
Max Uplift 4=-75(LC 12), 2=-109(LC 8)
Max Grav 4=129(LC 1), 2=293(LC 1), 5=82(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-3, Interior(1) 2-1-3 to 4-6-6 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) Plates checked for a plus or minus 15 degree rotation about its center.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 4 and 109 lb uplift at joint 2.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J05	Jack-Closed	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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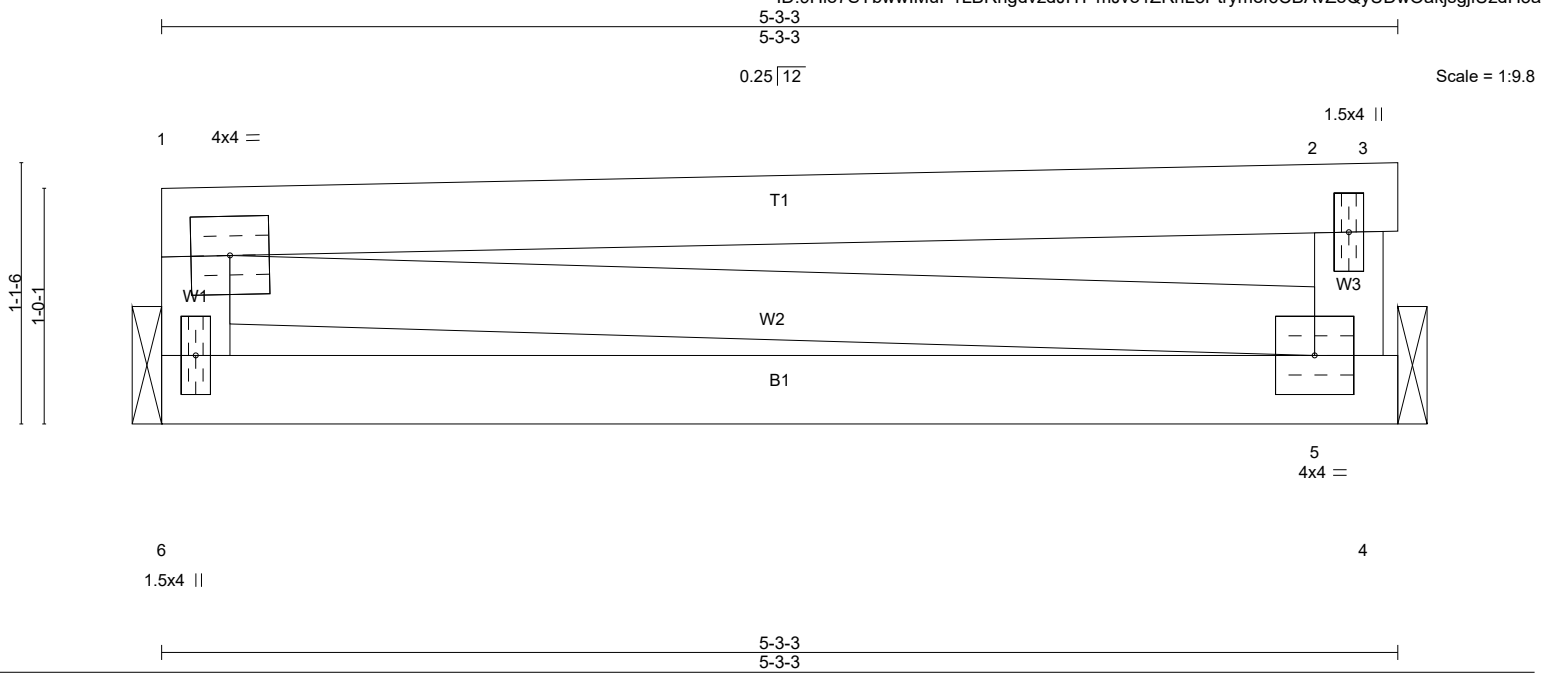

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.03	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.05	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 22 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-3 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. (lb/size) 6=196/Mechanical, 5=203/Mechanical
Max Horz 6=29(LC 11)
Max Uplift 6=-58(LC 8), 5=-59(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 6 and 59 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J05A	Jack-Closed	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:30 2022 Page 1
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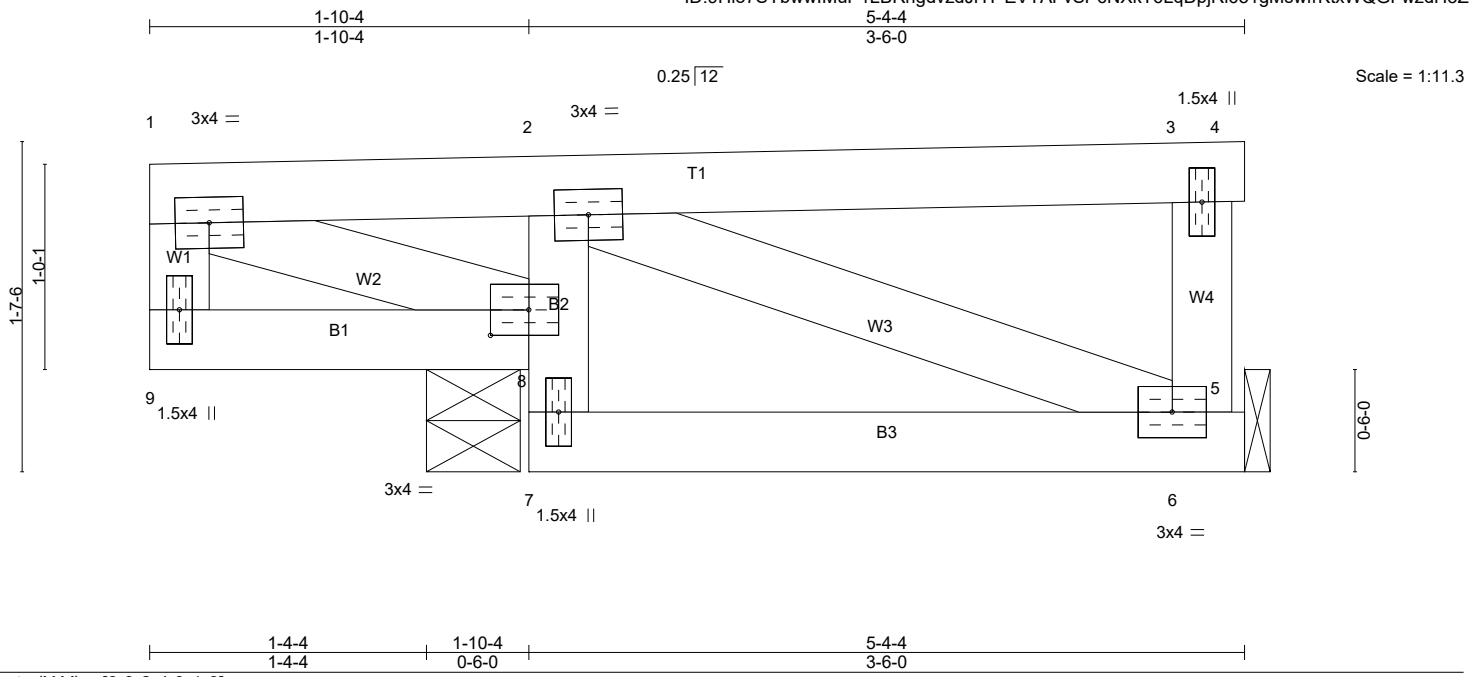

Plate Offsets (X,Y)-- [8:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 24 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.

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

REACTIONS. (lb/size) 6=89/Mechanical, 8=318/0-5-8 (min. 0-1-8)
Max Horz 8=42(LC 11)
Max Uplift 6=-26(LC 12), 8=-135(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-274/112
BOT CHORD 2-8=-231/376
WEBS 1-8=-118/298

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 6 and 135 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J05B	Jack-Closed	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:30 2022 Page 1
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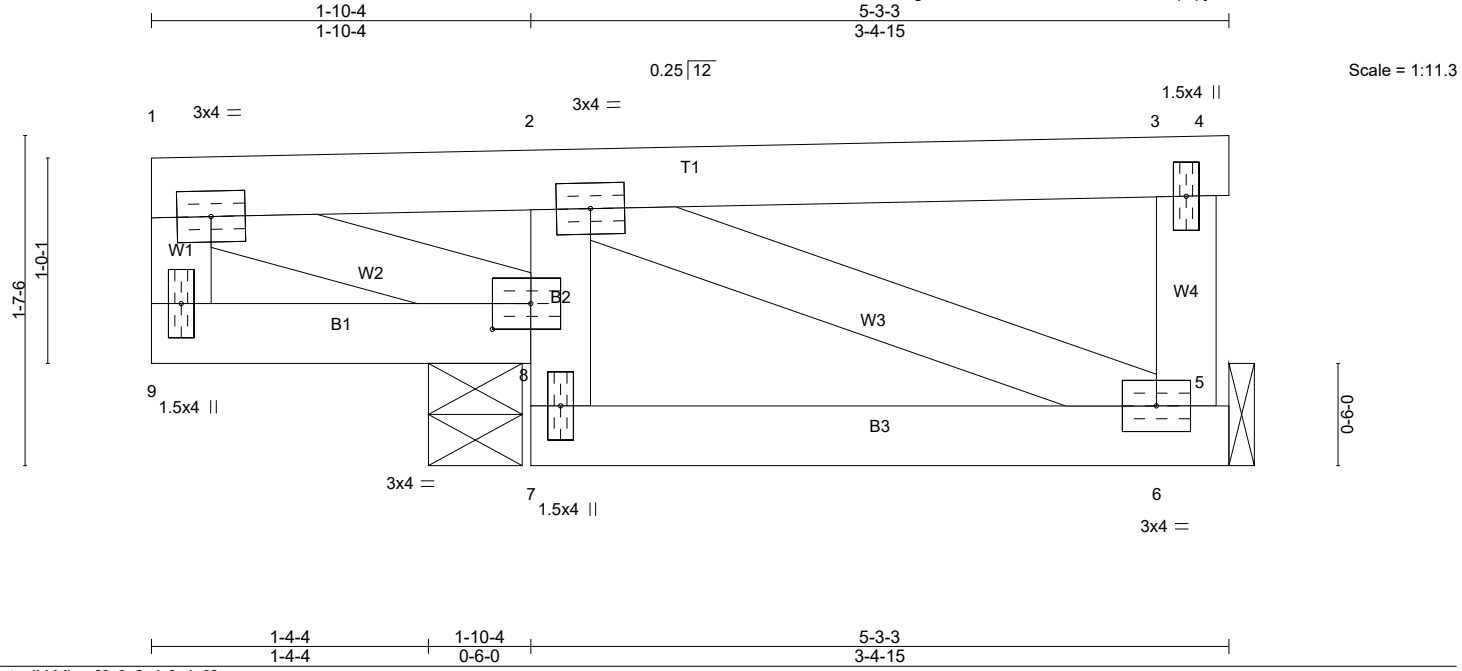

Plate Offsets (X,Y)-- [8:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.00	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 24 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.

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

REACTIONS. (lb/size) 6=84/Mechanical, 8=315/0-5-8 (min. 0-1-8)
Max Horz 8=42(LC 11)
Max Uplift 6=-25(LC 12), 8=-135(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-276/113
BOT CHORD 2-8=-229/375
WEBS 1-8=-120/301

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 135 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J07	Jack-Closed	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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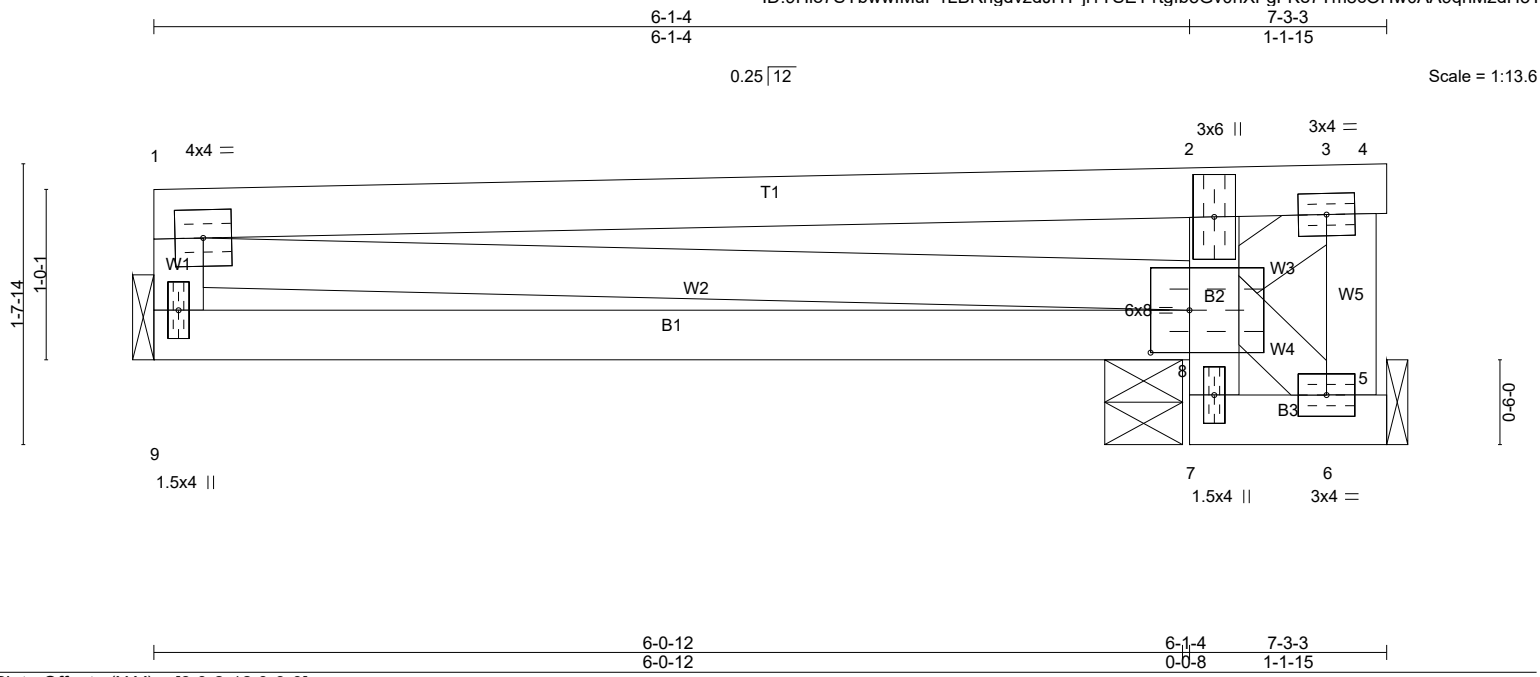

Plate Offsets (X,Y)-- [8:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.07	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.13	8-9	>559	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 33 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.

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

REACTIONS. (lb/size) 9=205/Mechanical, 6=-260/Mechanical, 8=615/0-5-8 (min. 0-1-8)
Max Horz 9=43(LC 11)
Max Uplift 9=-52(LC 8), 6=-260(LC 1), 8=-234(LC 8)
Max Grav 9=205(LC 1), 6=124(LC 8), 8=615(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-371/265
BOT CHORD 2-8=-586/777

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 9, 260 lb uplift at joint 6 and 234 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J07A	Jack-Closed	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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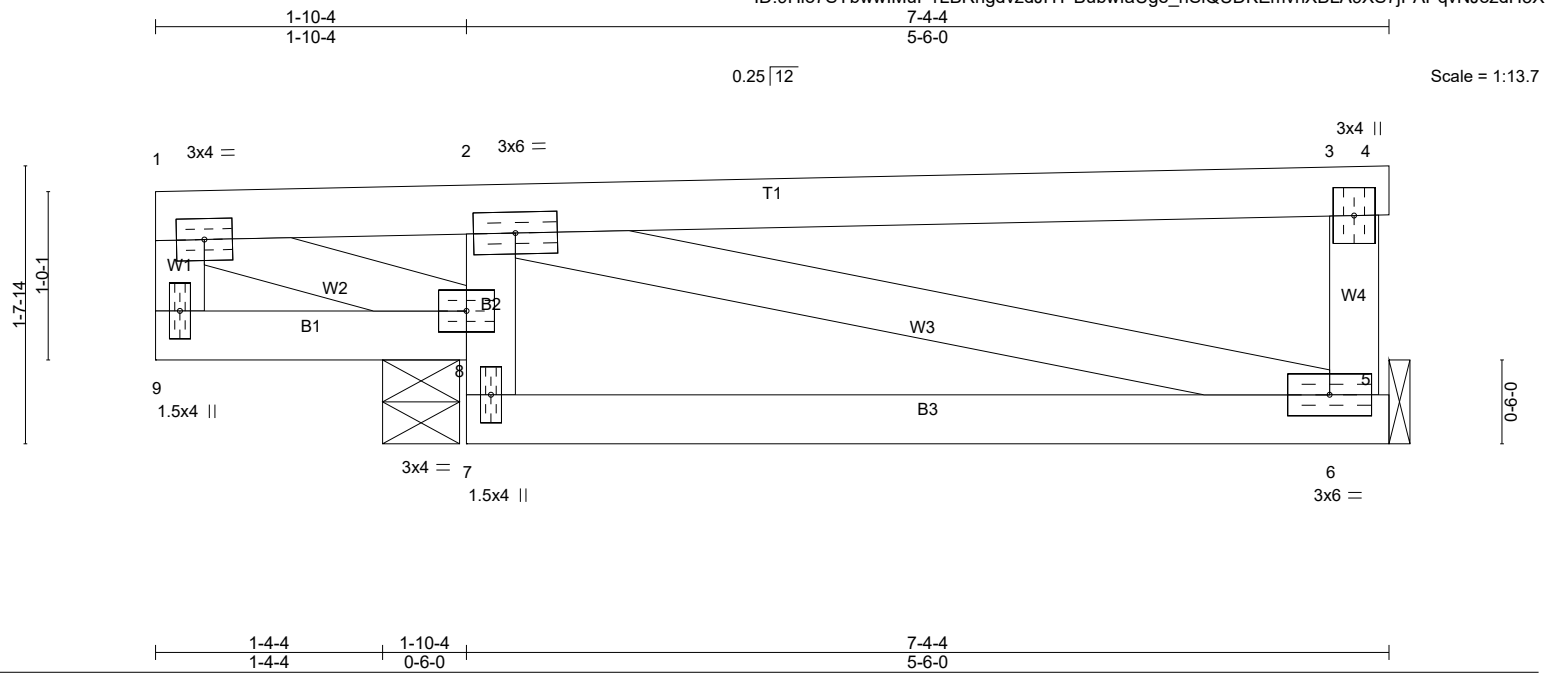

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.02	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 32 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 6=185/Mechanical, 8=381/0-5-8 (min. 0-1-8)
Max Horz 8=43(LC 11)
Max Uplift 6=-54(LC 12), 8=-149(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-8=-302/422

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 6 and 149 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J07B	Jack-Closed	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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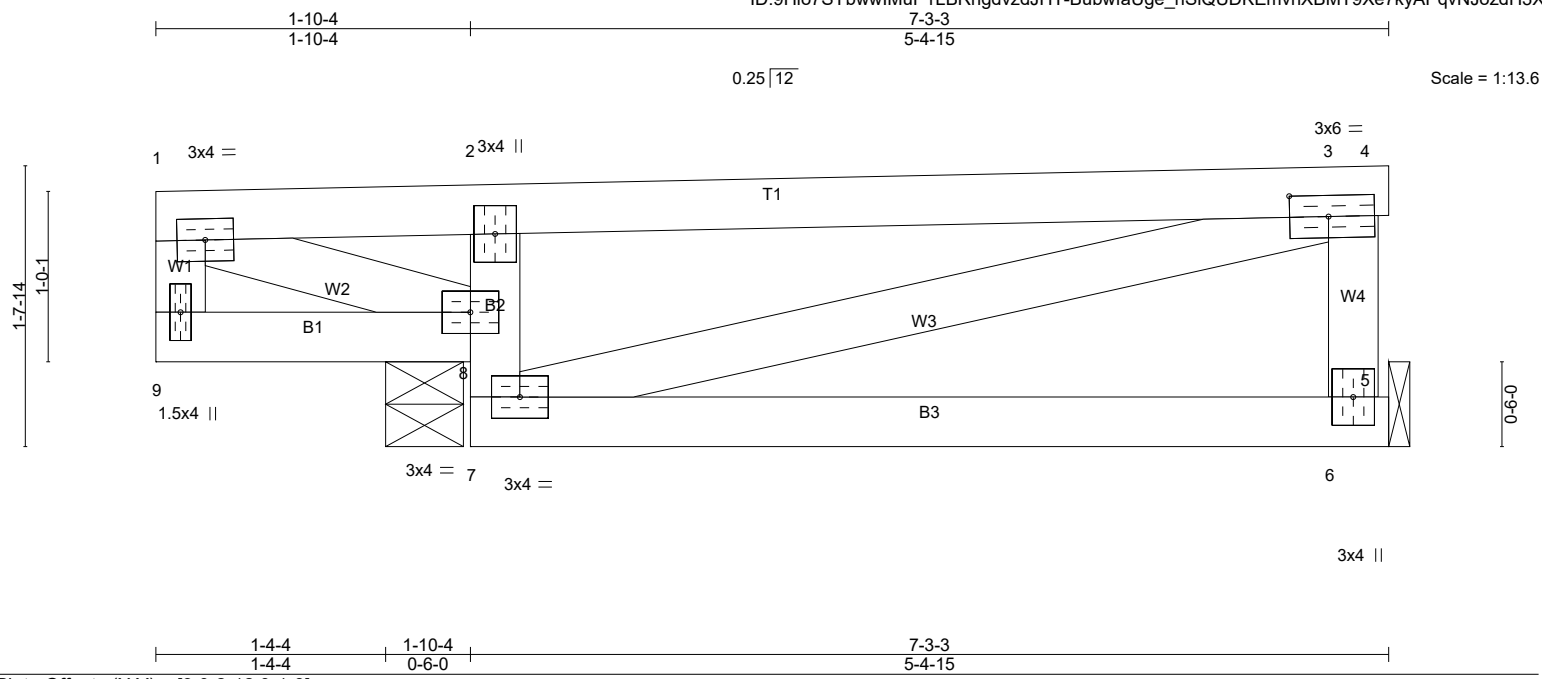

Plate Offsets (X,Y)-- [3:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.02	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 32 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.

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

REACTIONS. (lb/size) 6=181/Mechanical, 8=378/0-5-8 (min. 0-1-8)
Max Horz 8=43(LC 11)
Max Uplift6=-53(LC 12), 8=-148(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-8=-278/376

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 6 and 148 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J09	Jack-Closed	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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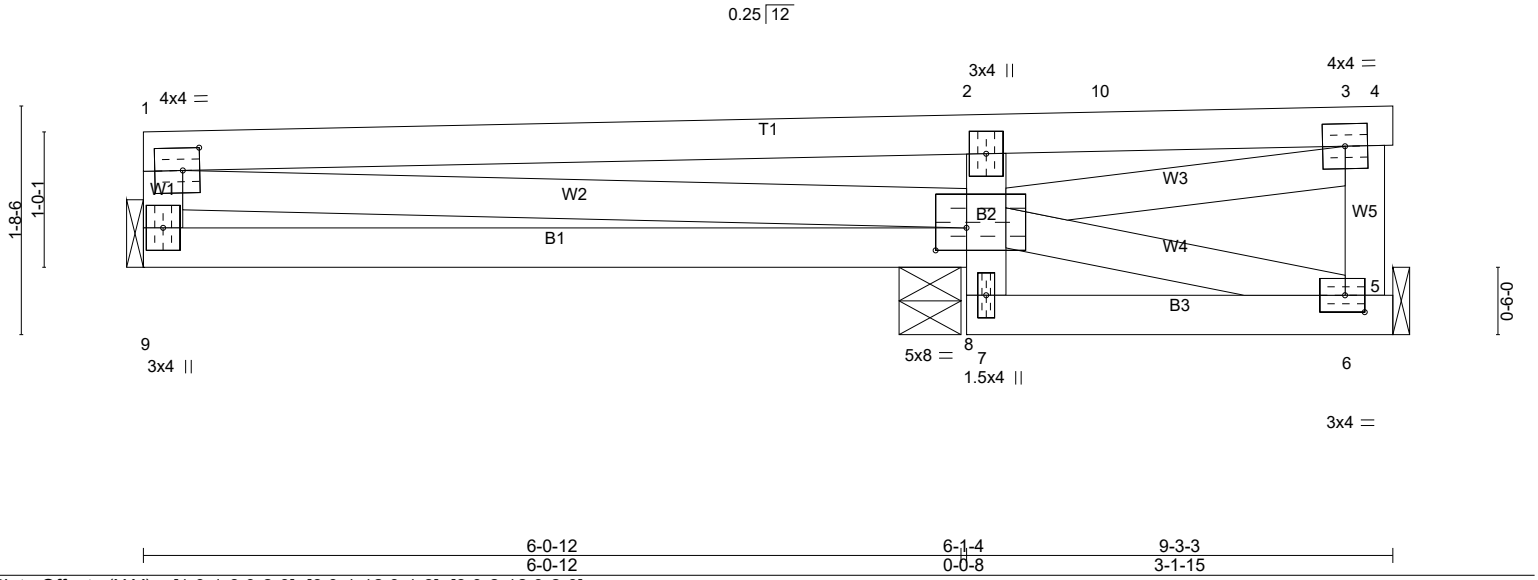
6-1-4 | 9-3-3
6-1-4 | 3-1-15

Scale = 1:17.1



6-0-12 | 6-1-4 | 9-3-3
6-0-12 | 0-0-8 | 3-1-15

Plate Offsets (X,Y)-- [1:0-1-8,0-2-0], [6:0-1-12,0-1-8], [8:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.04	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.07	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 43 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-7.

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

REACTIONS. (lb/size) 9=217/Mechanical, 6=60/Mechanical, 8=442/0-5-8 (min. 0-1-8)
Max Horz 9=45(LC 11)
Max Uplift 9=-60(LC 12), 6=-14(LC 8), 8=-134(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-8=-344/422

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 9, 14 lb uplift at joint 6 and 134 lb uplift at joint 8.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	J09A	Jack-Closed	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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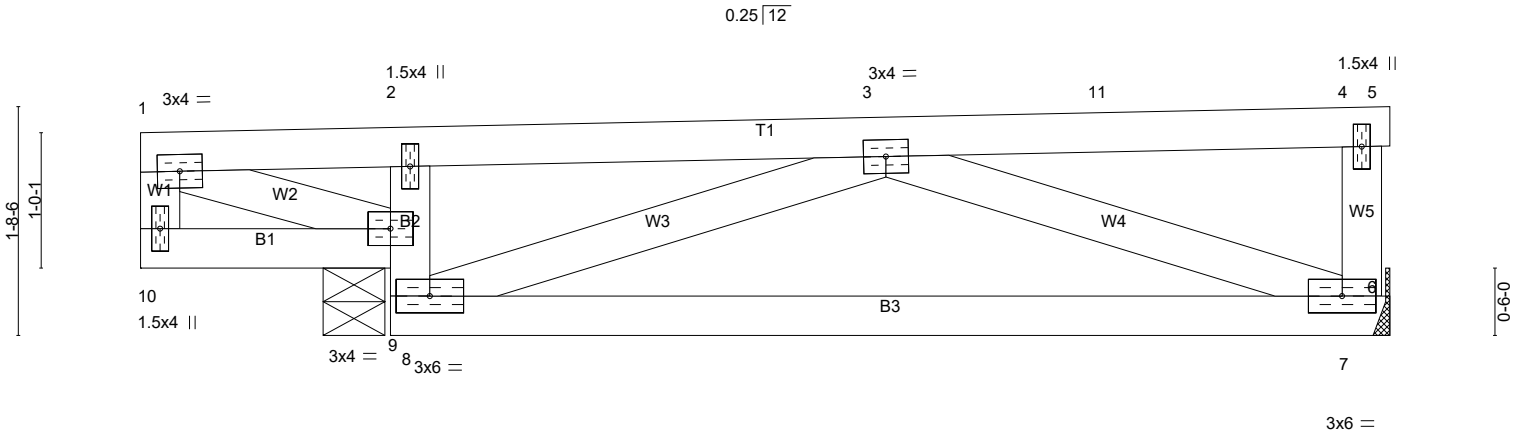
1-10-4 | 3-8-2 | 3-8-14

Scale = 1:17.1



1-4-4 | 1-10-4 | 9-3-3
1-4-4 | 0-6-0 | 7-4-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.06	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.10	7-8	>851	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 40 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.

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

REACTIONS. (lb/size) 7=269/Mechanical, 9=450/0-5-8 (min. 0-1-8)
Max Horz 9=45(LC 11)
Max Uplift7=-74(LC 8), 9=-167(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-9=-205/253, 7-8=-336/327
WEBS 3-8=-374/487, 3-7=-263/320

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 7 and 167 lb uplift at joint 9.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T01	Monopitch	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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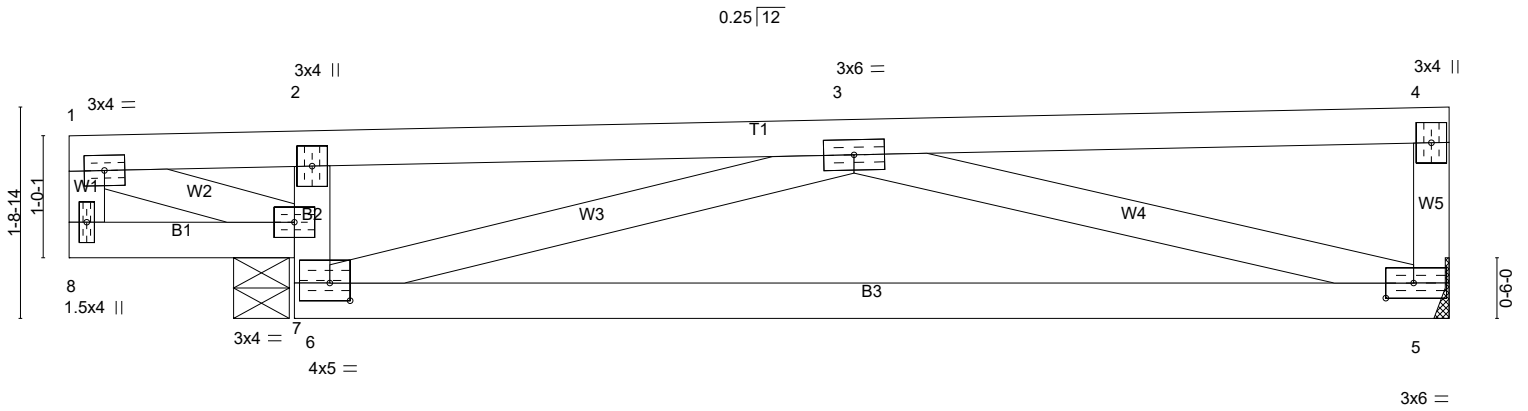
1-10-4 | 4-7-4 | 4-10-12

Scale = 1:19.0



1-4-4 | 1-10-4 | 11-4-4
1-4-4 | 0-6-0 | 9-6-0

Plate Offsets (X,Y)-- [5:0-2-12,0-1-8], [6:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.19	5-6	>567	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.35	5-6	>315	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 49 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 5=353/Mechanical, 7=532/0-5-8 (min. 0-1-8)
Max Horz 7=46(LC 11)
Max Uplift 5=-101(LC 12), 7=-189(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-237/271, 5-6=-581/582
WEBS 3-6=-575/702, 3-5=-512/560

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 5 and 189 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T02	Roof Special	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:36 2022 Page 1
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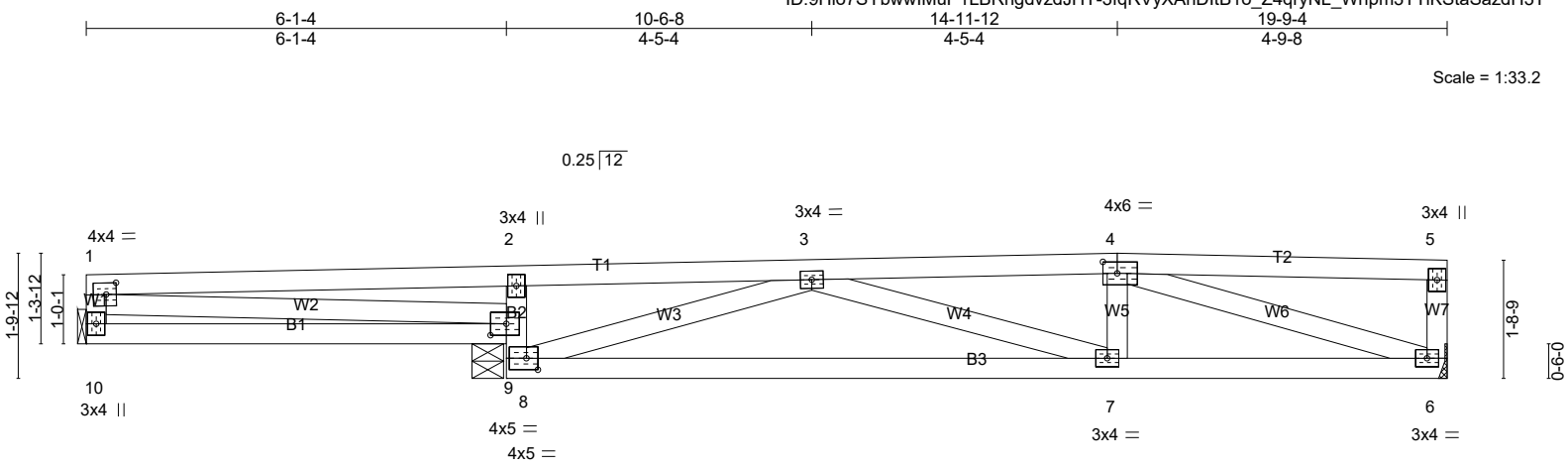

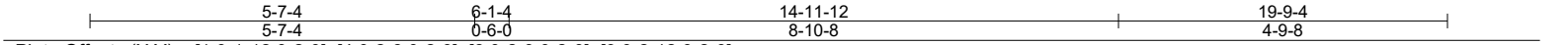

Plate Offsets (X,Y)-- [1:0-1-12,0-2-0], [4:0-2-8,0-2-0], [8:0-2-0,0-2-0], [9:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.14	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.26	7-8	>620	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 85 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-10 oc bracing.

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

REACTIONS. (lb/size) 10=182/Mechanical, 6=507/Mechanical, 9=869/0-5-8 (min. 0-1-8)
Max Horz 9=44(LC 11)
Max Uplift 10=-51(LC 8), 6=-103(LC 13), 9=-239(LC 12)
Max Grav 10=188(LC 25), 6=507(LC 1), 9=869(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1067/649
BOT CHORD 8-9=-226/405, 2-9=-382/338, 7-8=-644/900, 6-7=-637/1064
WEBS 1-9=-252/193, 4-6=-1056/603, 3-8=-1065/784, 3-7=-10/295

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
4) Plates checked for a plus or minus 15 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 10, 103 lb uplift at joint 6 and 239 lb uplift at joint 9.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T02A	MONOPITCH GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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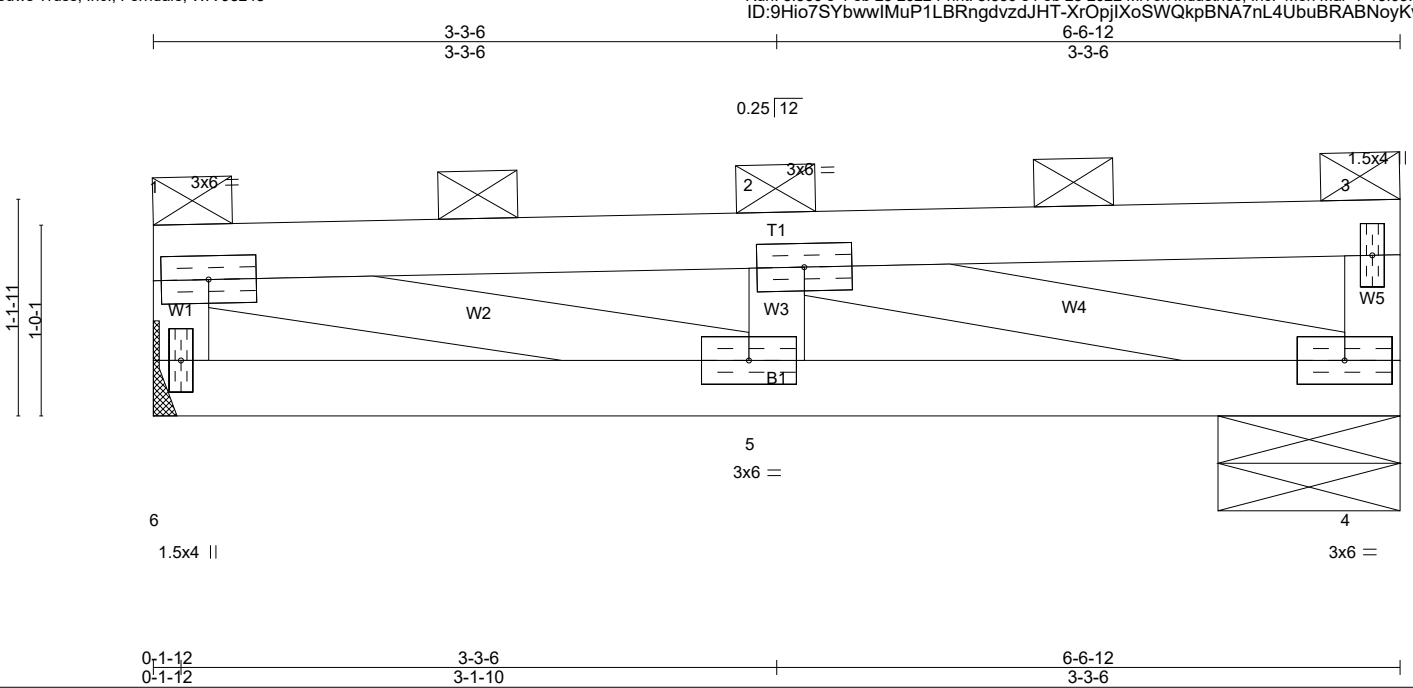

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.03	5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 28 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (5-7-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=917/Mechanical, 4=502/0-11-8 (min. 0-1-8)
Max Horz 6=59(LC 7)
Max Uplift6=-292(LC 4), 4=-142(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-444/155, 1-2=-1103/318
BOT CHORD 4-5=-294/1100
WEBS 1-5=-334/1128, 2-4=-1134/319

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 6 and 142 lb uplift at joint 4.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 415 lb down and 165 lb up at 0-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-128, 4-6=-32
Concentrated Loads (lb)
Vert: 6=-415(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T03	Monopitch	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:37 2022 Page 1
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1-10-4 | 3-11-4 | 3-11-4

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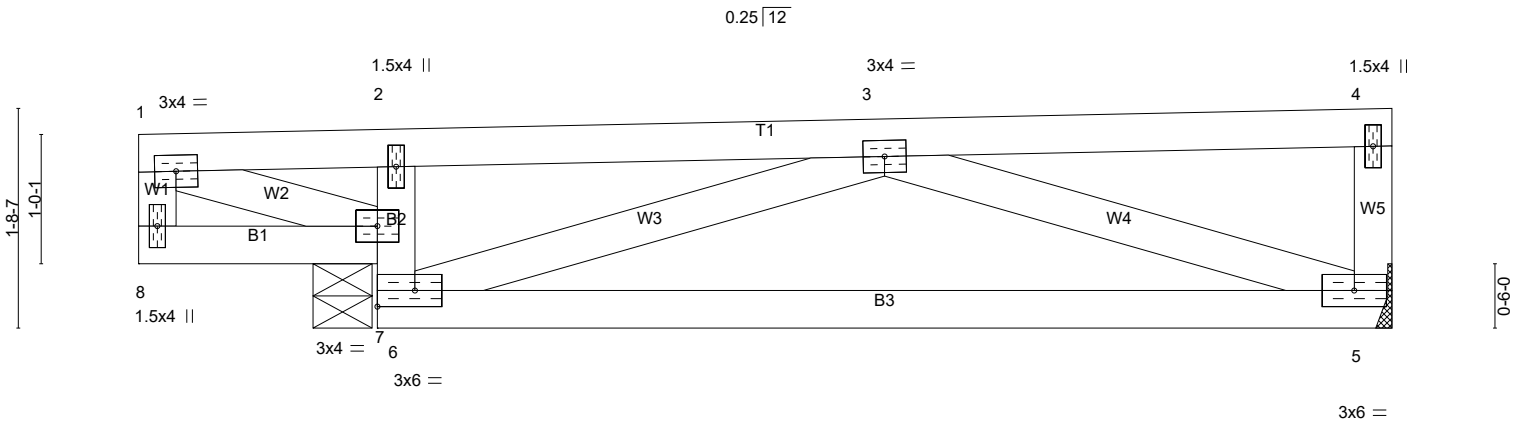

1-4-4 | 1-10-4 | 9-8-12
1-4-4 | 0-6-0 | 7-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.09	5-6	>998	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.16	5-6	>554	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 42 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 5=285/Mechanical, 7=470/0-5-8 (min. 0-1-8)
Max Horz 7=45(LC 11)
Max Uplift 5=-81(LC 12), 7=-172(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-213/258, 5-6=-398/381
WEBS 3-6=-411/542, 3-5=-342/387

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 5 and 172 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T04	Monopitch	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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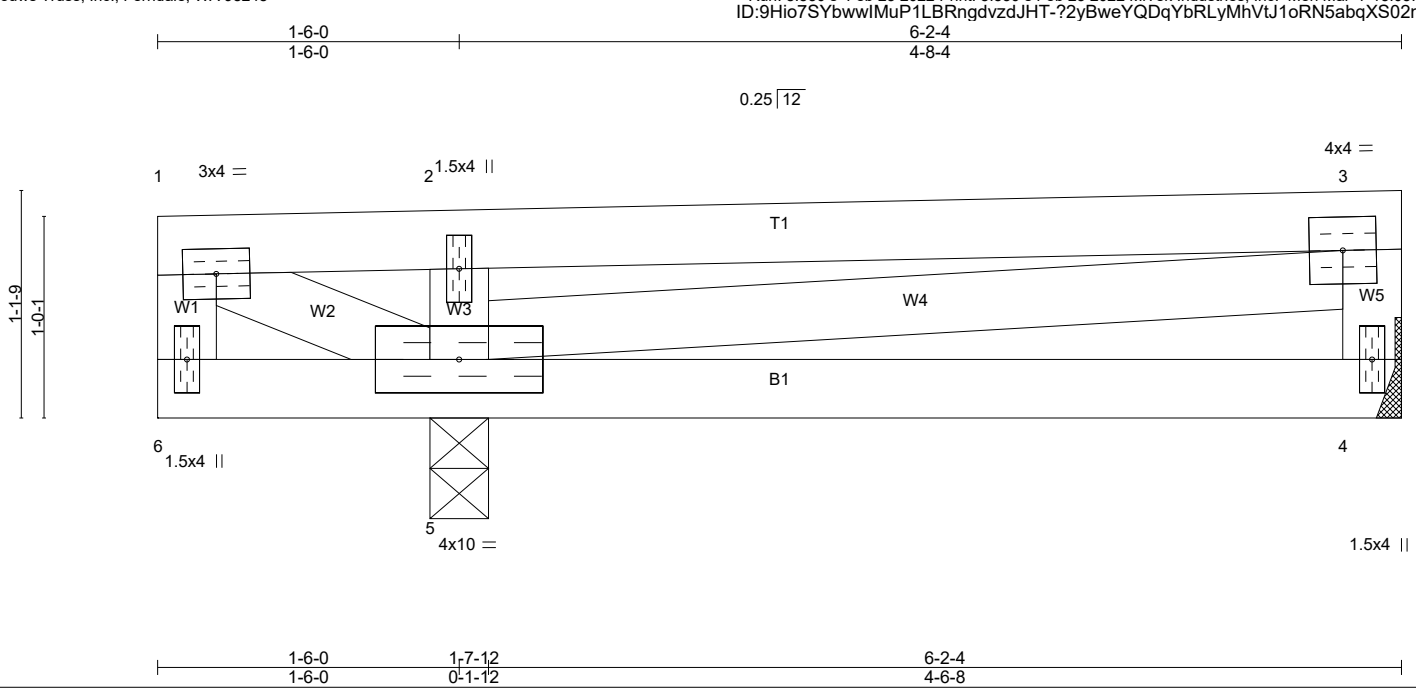

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.01	4-5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 26 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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.

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

REACTIONS. (lb/size) 4=166/Mechanical, 5=306/0-3-8 (min. 0-1-8)
Max Horz 5=29(LC 9)
Max Uplift4=-46(LC 12), 5=-117(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-307/436

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4 and 117 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T04A	Monopitch Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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1-6-0 | 4-9-2 | 5-0-10

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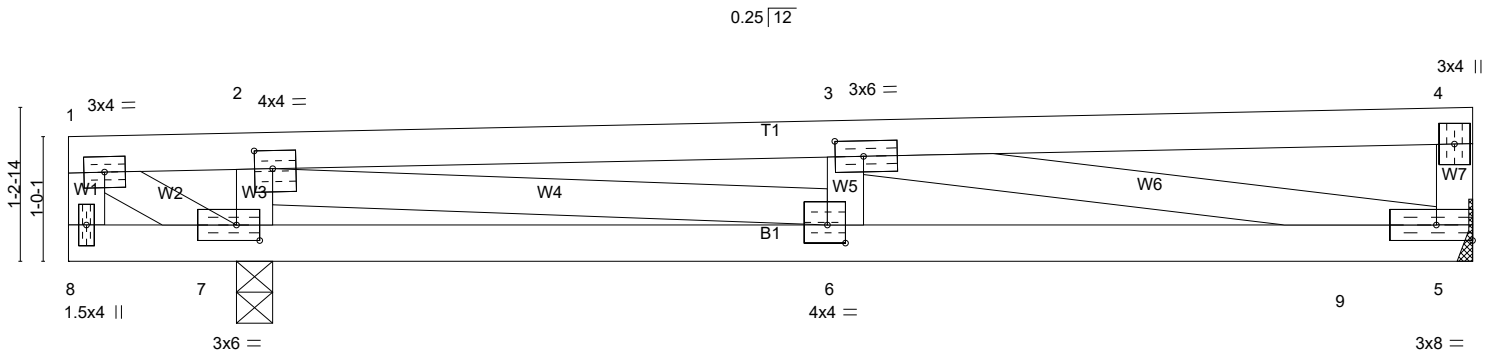

1-6-0 | 6-3-0 | 6-3-2 | 10-4-8 | 11-3-12
1-6-0 | 4-9-0 | 0-0-2 | 4-1-6 | 0-11-4

Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [3:0-2-12,0-1-8], [6:0-1-12,0-1-12], [7:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.11	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.17	5-6	>692	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.02	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-12 oc purlins, except end verticals.
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. (lb/size) 5=816/Mechanical, 7=673/0-3-8 (min. 0-1-8)
Max Horz 7=33(LC 24)
Max Uplift 5=-273(LC 8), 7=-233(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2221/745, 3-4=-273/98
BOT CHORD 6-7=-150/490, 6-9=-732/2217, 5-9=-732/2217
WEBS 1-7=-89/317, 2-7=-729/280, 2-6=-595/1748, 3-5=-1974/661

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 273 lb uplift at joint 5 and 233 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 332 lb down and 152 lb up at 6-3-0, and 275 lb down and 115 lb up at 10-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-64, 5-8=-16
Concentrated Loads (lb)
Vert: 6=-332(B) 9=-275(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T04B	FLAT GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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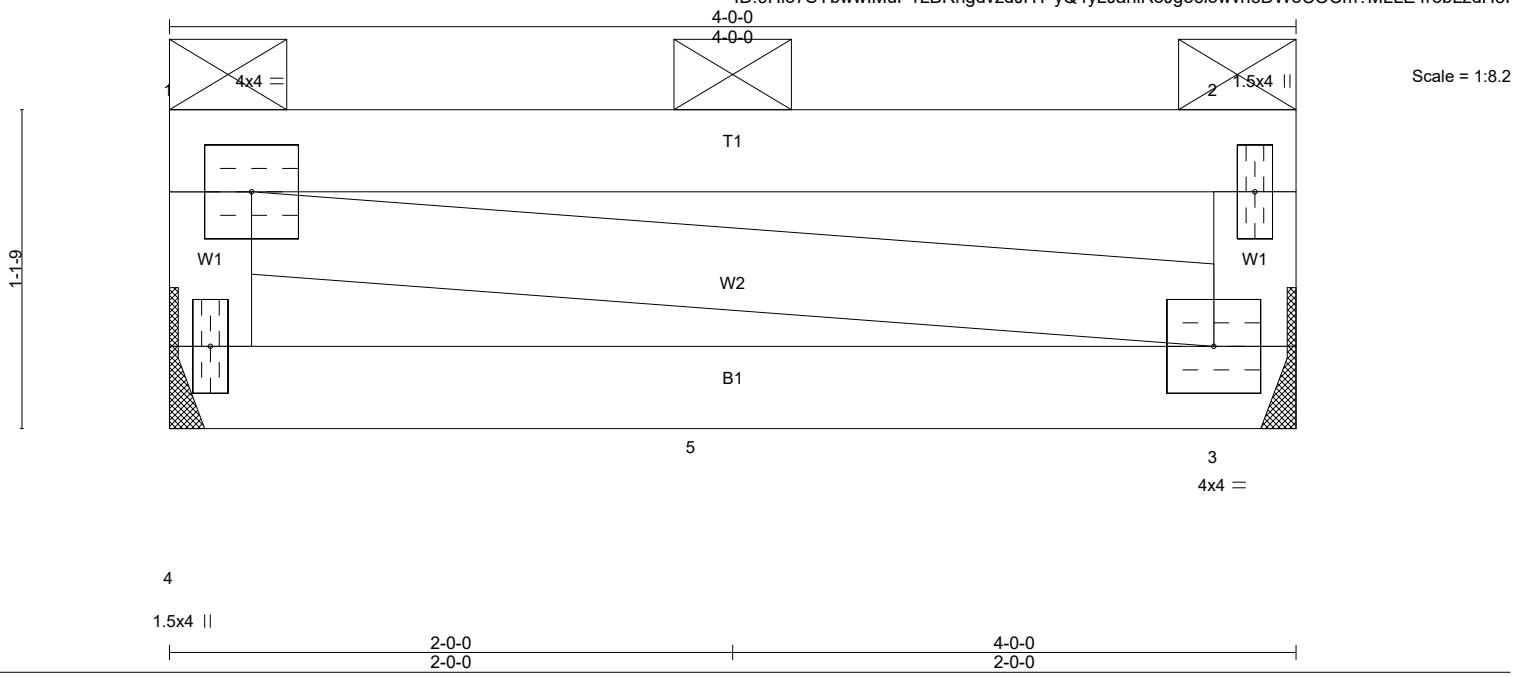

Scale = 1:8.2

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.02	3-4	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.04	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=363/Mechanical, 3=363/Mechanical
Max Horz 4=-59(LC 4)
Max Uplift4=-121(LC 4), 3=-121(LC 5)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 4 and 121 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 134 lb down and 76 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-128, 3-4=-32
Concentrated Loads (lb)
Vert: 5=-134(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T04C	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:41 2022 Page 1
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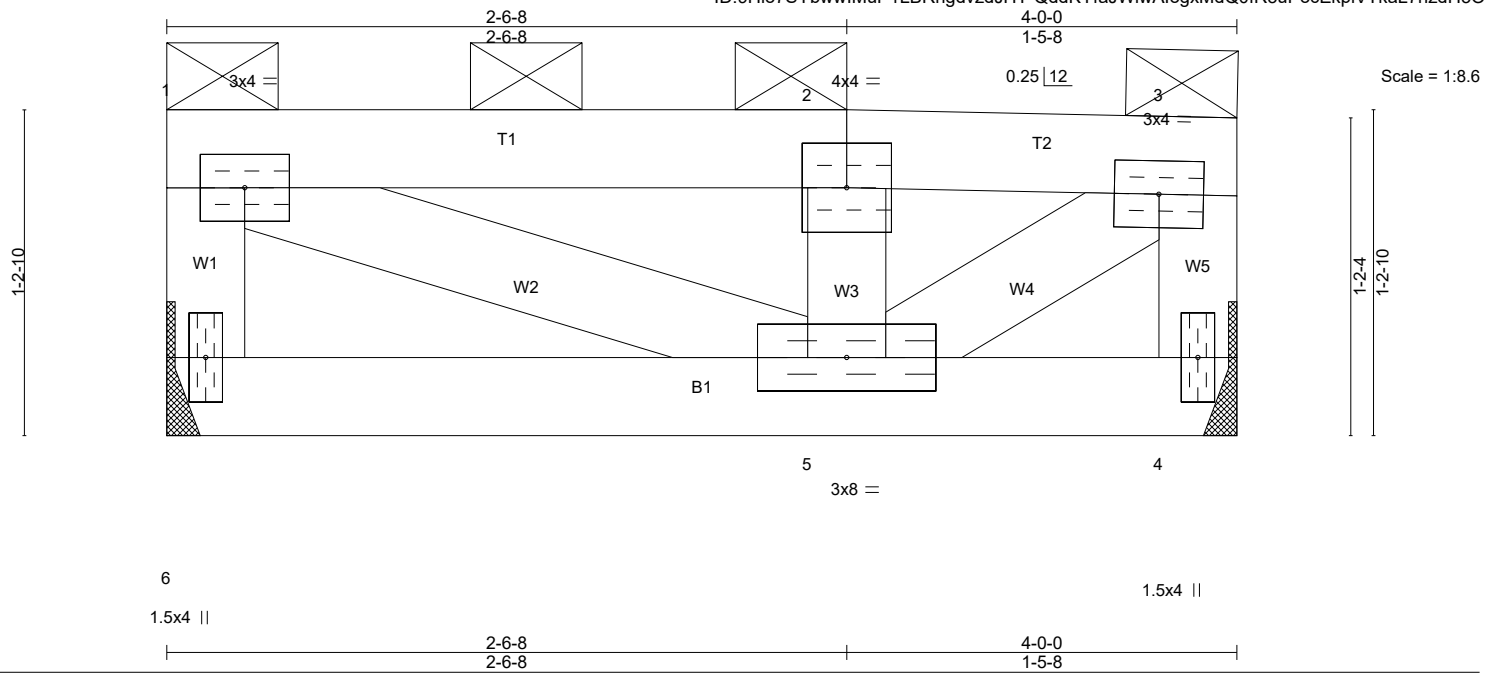

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.00	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 18 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=297/Mechanical, 4=297/Mechanical
Max Horz 6=-66(LC 8)
Max Uplift 6=-93(LC 8), 4=-92(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-259/317, 1-2=-272/264, 2-3=-274/262, 3-4=-276/301
WEBS 1-5=-306/292, 2-5=-232/314, 3-5=-323/330

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 6 and 92 lb uplift at joint 4.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T05	Monopitch	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:41 2022 Page 1
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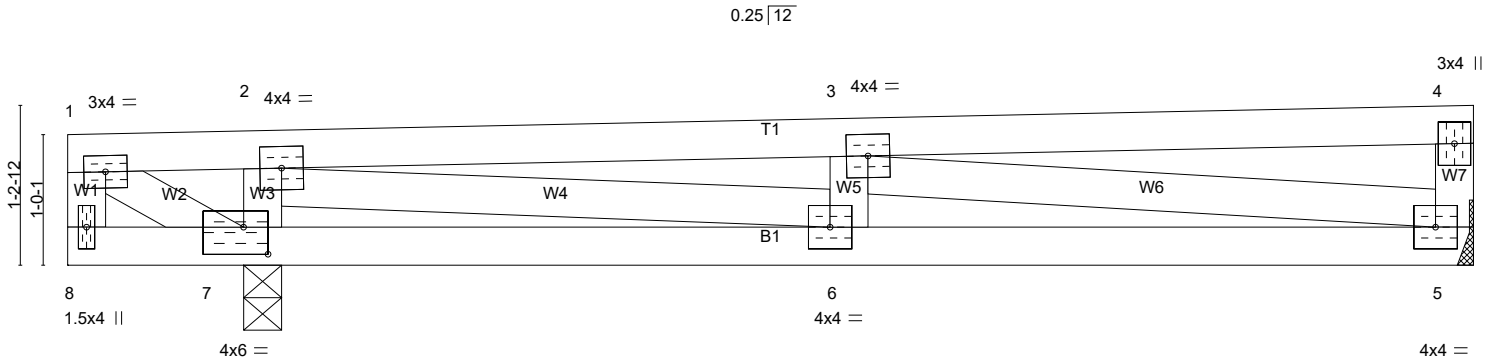
1-6-0 | 6-0-2 | 10-9-12
1-6-0 | 4-6-2 | 4-9-10

Scale = 1:17.7



1-6-0 | 6-0-2 | 10-9-12
1-6-0 | 4-6-2 | 4-9-10

Plate Offsets (X,Y)-- [7:0-2-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.05	6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.07	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 45 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals.
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. (lb/size) 5=374/Mechanical, 7=468/0-3-8 (min. 0-1-8)
Max Horz 7=33(LC 9)
Max Uplift 5=-107(LC 12), 7=-154(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1096/904
BOT CHORD 6-7=-261/298, 5-6=-929/1093
WEBS 2-7=-474/487, 2-6=-696/805, 3-5=-981/823

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 5 and 154 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T05A	Monopitch	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:42 2022 Page 1
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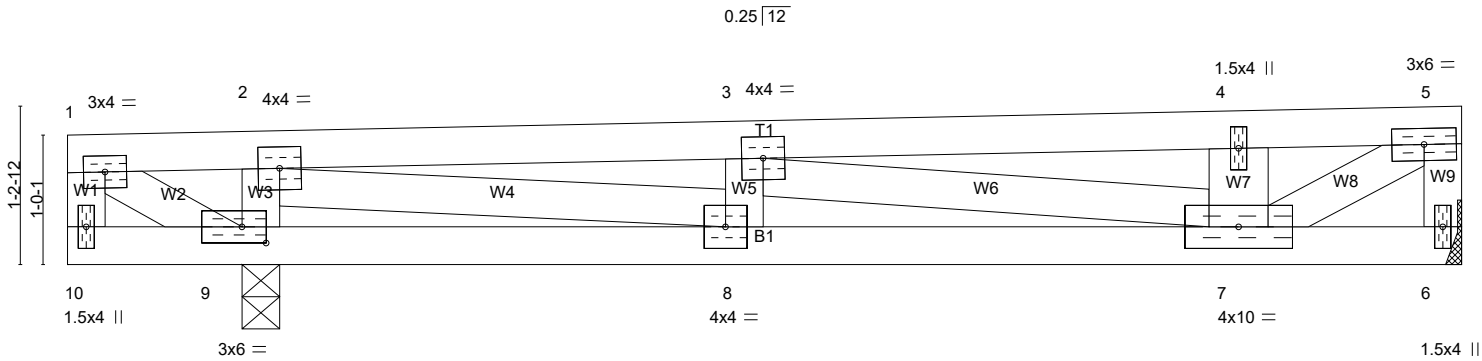
1-6-0	5-3-0	9-3-12	10-6-4	10-9-12
1-6-0	3-9-0	4-0-12	1-2-8	0-3-8

Scale = 1:17.9



1-6-0	5-3-0	9-3-12	10-9-12
1-6-0	3-9-0	4-0-12	1-6-0

Plate Offsets (X,Y)-- [9:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.04	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 46 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except*
W7: 2x6 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.

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

REACTIONS. (lb/size) 6=809/Mechanical, 9=507/0-3-8 (min. 0-1-8)
Max Horz 9=33(LC 7)
Max Uplift 6=-231(LC 8), 9=-166(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1235/354, 3-4=-975/284, 4-5=-980/288, 5-6=-784/226
BOT CHORD 8-9=-71/276, 7-8=-342/1232
WEBS 2-9=-504/181, 2-8=-281/974, 3-7=-265/87, 4-7=-442/160, 5-7=-300/1053

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 6 and 166 lb uplift at joint 9.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-64, 4-5=-364, 6-10=-16

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T05B	Monopitch	4	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:43 2022 Page 1
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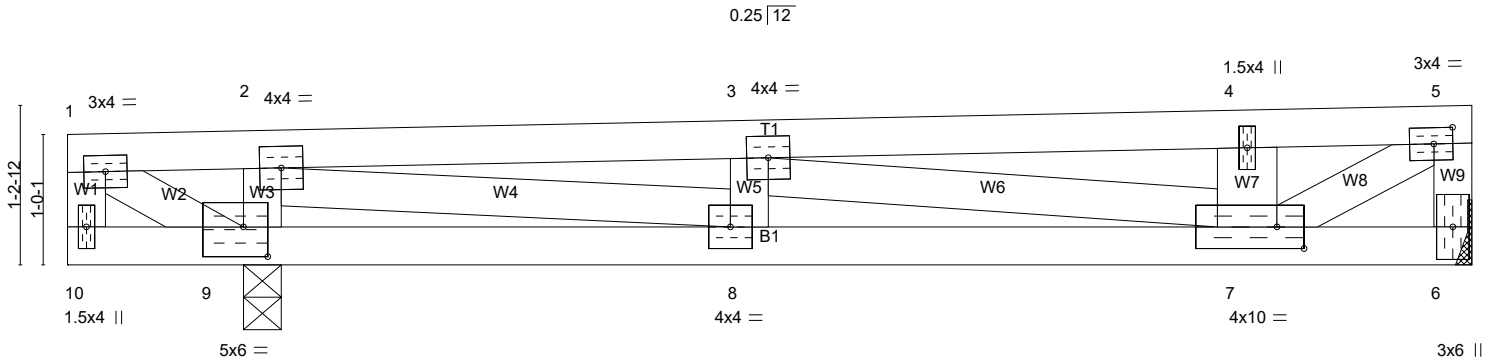
1-6-0	5-3-0	9-1-0	9-3-12	10-6-4	10-9-12
1-6-0	3-9-0	3-10-0	0-2-12	1-2-8	0-3-8

Scale = 1:17.7



1-6-0	5-3-0	9-3-12	10-9-12
1-6-0	3-9-0	4-0-12	1-6-0

Plate Offsets (X,Y)-- [5:0-1-12,0-1-8], [7:0-2-8,0-2-0], [9:0-2-4,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	0.05	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 46 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except*
W7: 2x6 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins, except end verticals.
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. (lb/size) 6=582/Mechanical, 9=510/0-3-8 (min. 0-1-8)
Max Horz 9=33(LC 9)
Max Uplift6=-166(LC 12), 9=-166(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1250/1030, 3-4=-968/821, 4-5=-967/826, 5-6=-560/478
BOT CHORD 8-9=-241/276, 7-8=-1058/1247
WEBS 2-9=-503/498, 2-8=-850/991, 3-7=-288/236, 4-7=-449/444, 5-7=-919/1084

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 166 lb uplift at joint 6 and 166 lb uplift at joint 9.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 272 lb down and 212 lb up at 9-1-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-64, 6-10=-16
Concentrated Loads (lb)
Vert: 4=-250

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T05C	Monopitch	2	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:44 2022 Page 1
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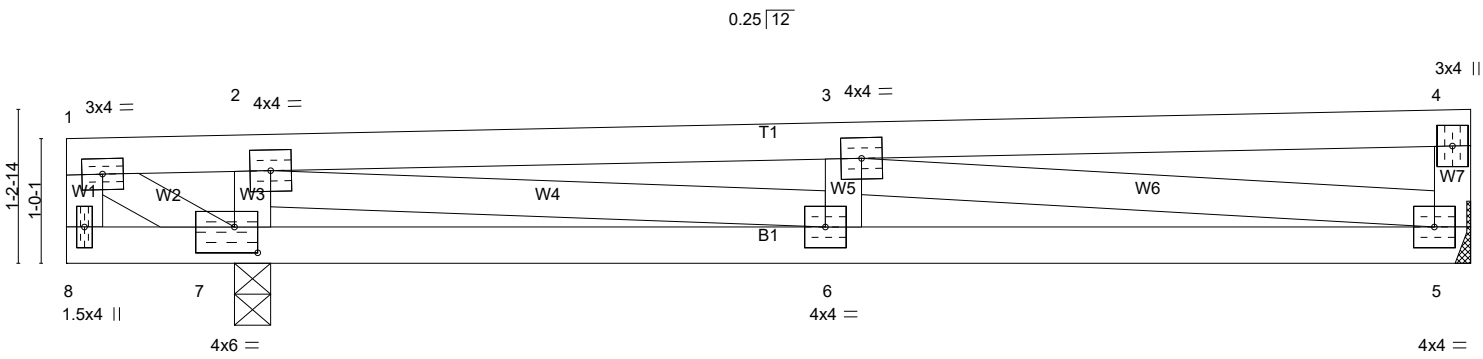
1-6-0 | 6-3-2 | 11-3-12
1-6-0 | 4-9-2 | 5-0-10

Scale = 1:18.6



1-6-0 | 6-3-2 | 11-3-12
1-6-0 | 4-9-2 | 5-0-10

Plate Offsets (X,Y)-- [7:0-2-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.06	6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.09	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 47 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-1 oc purlins, except end verticals.
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. (lb/size) 5=394/Mechanical, 7=487/0-3-8 (min. 0-1-8)
Max Horz 7=33(LC 11)
Max Uplift 5=-113(LC 12), 7=-160(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1212/984
BOT CHORD 6-7=-286/332, 5-6=-1008/1208
WEBS 2-7=-504/508, 2-6=-751/887, 3-5=-1085/895

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 5 and 160 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T06	MONOPITCH GIRDER	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:45 2022 Page 1
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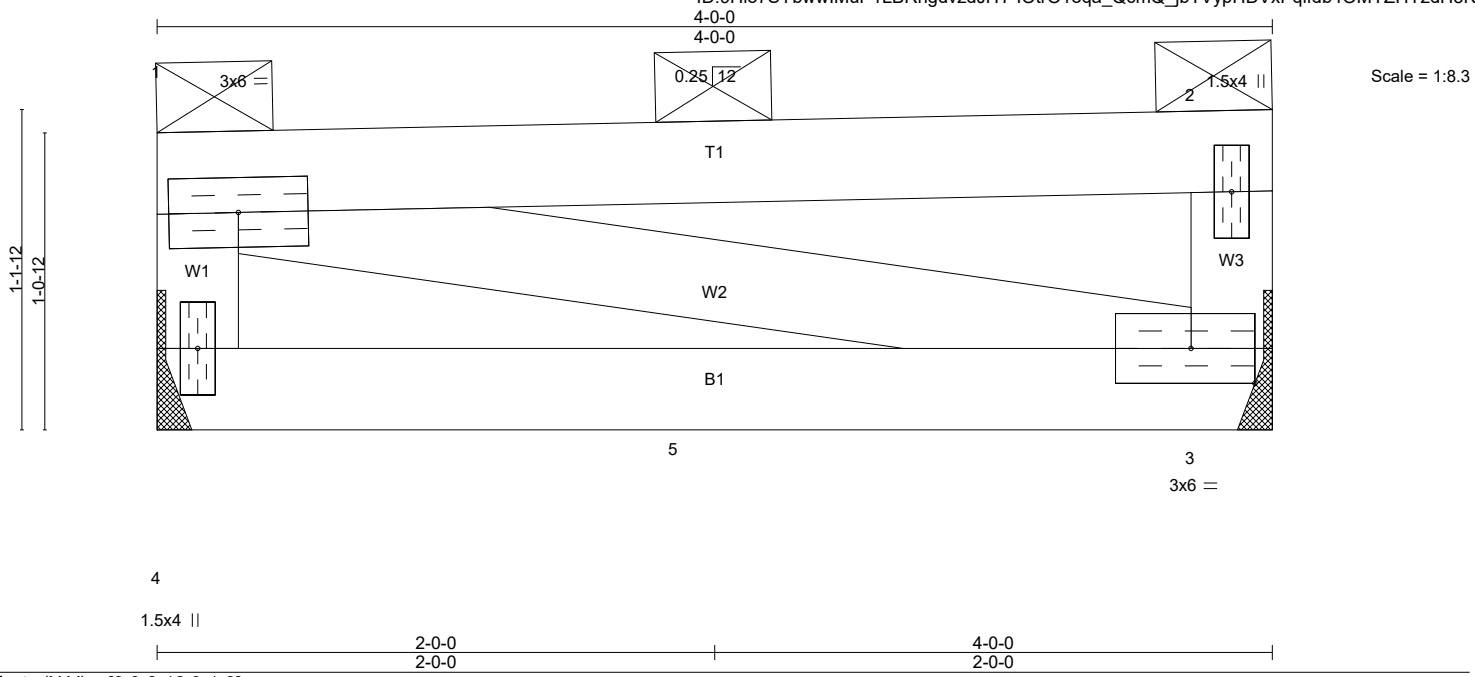

Plate Offsets (X,Y)-- [3:0-2-12,0-1-8]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.04	3-4	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.08	3-4	>571	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=442/Mechanical, 3=442/Mechanical
Max Horz 4=60(LC 7)
Max Uplift 4=-143(LC 4), 3=-133(LC 8)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 4 and 133 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 290 lb down and 126 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-128, 3-4=-32
Concentrated Loads (lb)
Vert: 5=-290

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T06A	MONOPITCH GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:46 2022 Page 1
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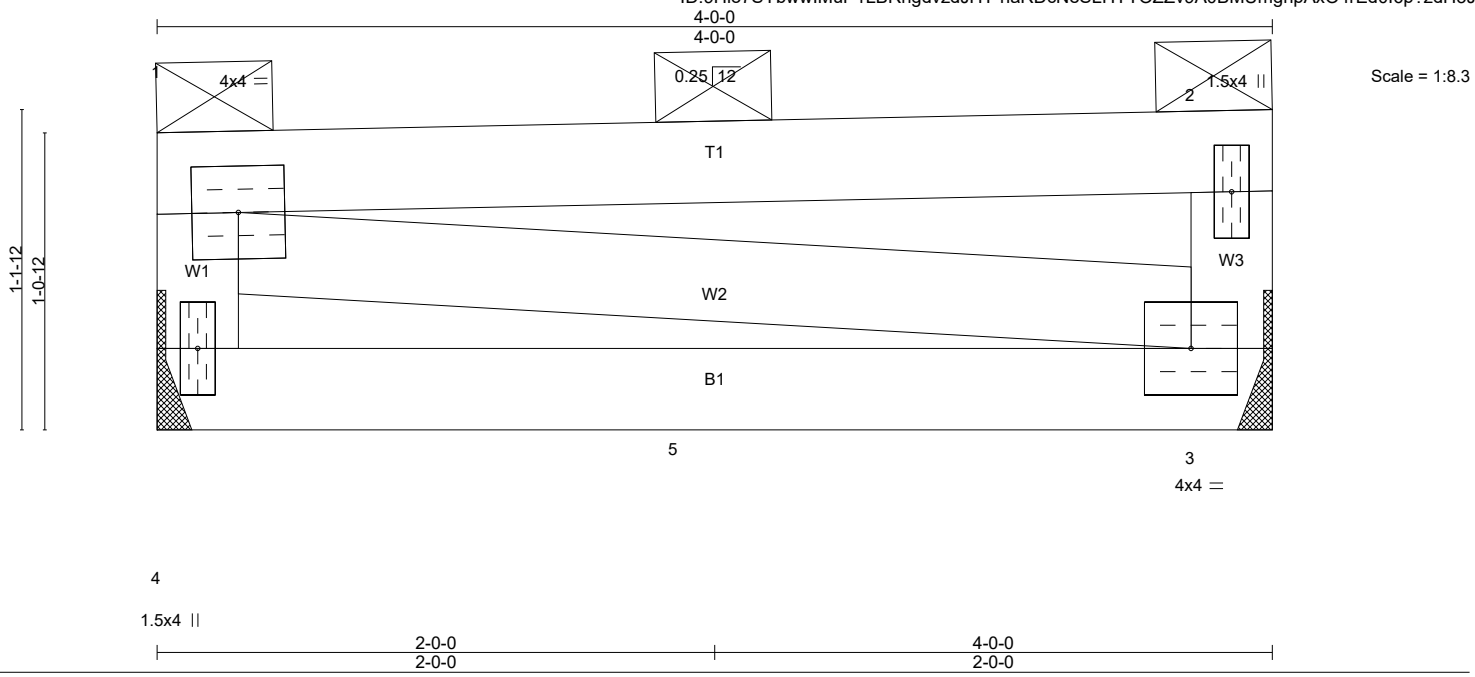

Scale = 1:8.3

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.04	3-4	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.08	3-4	>571	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=442/Mechanical, 3=442/Mechanical
Max Horz 4=60(LC 7)
Max Uplift4=-143(LC 4), 3=-133(LC 8)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 4 and 133 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 290 lb down and 126 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-128, 3-4=-32
Concentrated Loads (lb)
Vert: 5=-290(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T06B	ROOF SPECIAL	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:46 2022 Page 1
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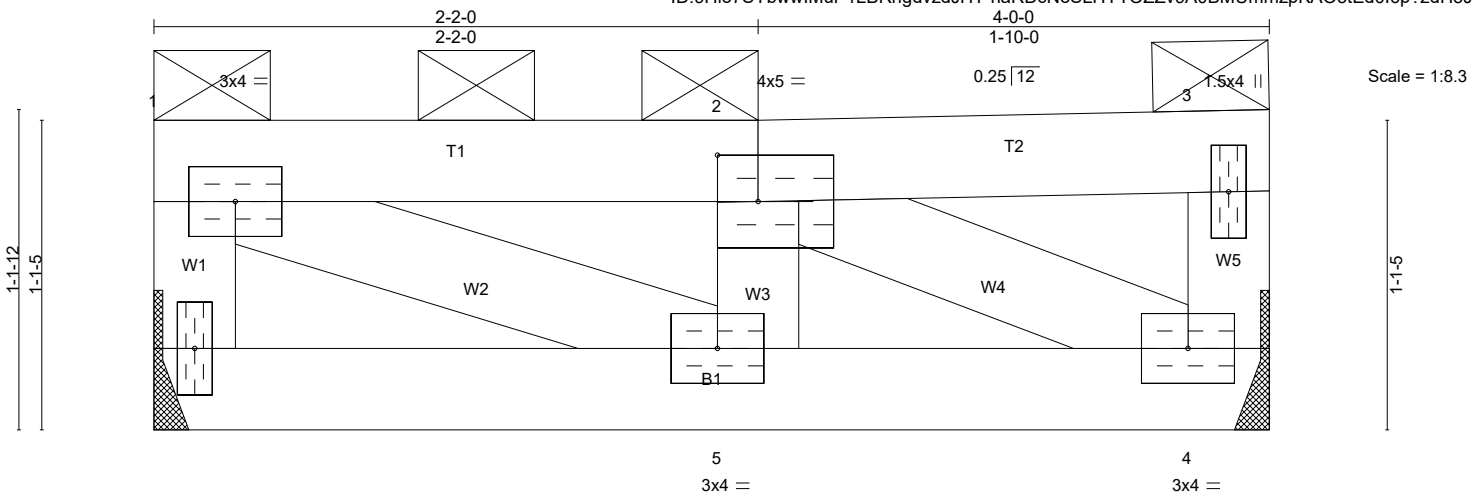

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.00	5	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 18 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=297/Mechanical, 4=297/Mechanical
Max Horz 6=60(LC 9)
Max Uplift 6=-91(LC 8), 4=-80(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-261/308, 1-2=-326/311
BOT CHORD 4-5=-350/326
WEBS 1-5=-356/352, 2-4=-362/366

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 6 and 80 lb uplift at joint 4.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T06C	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:47 2022 Page 1
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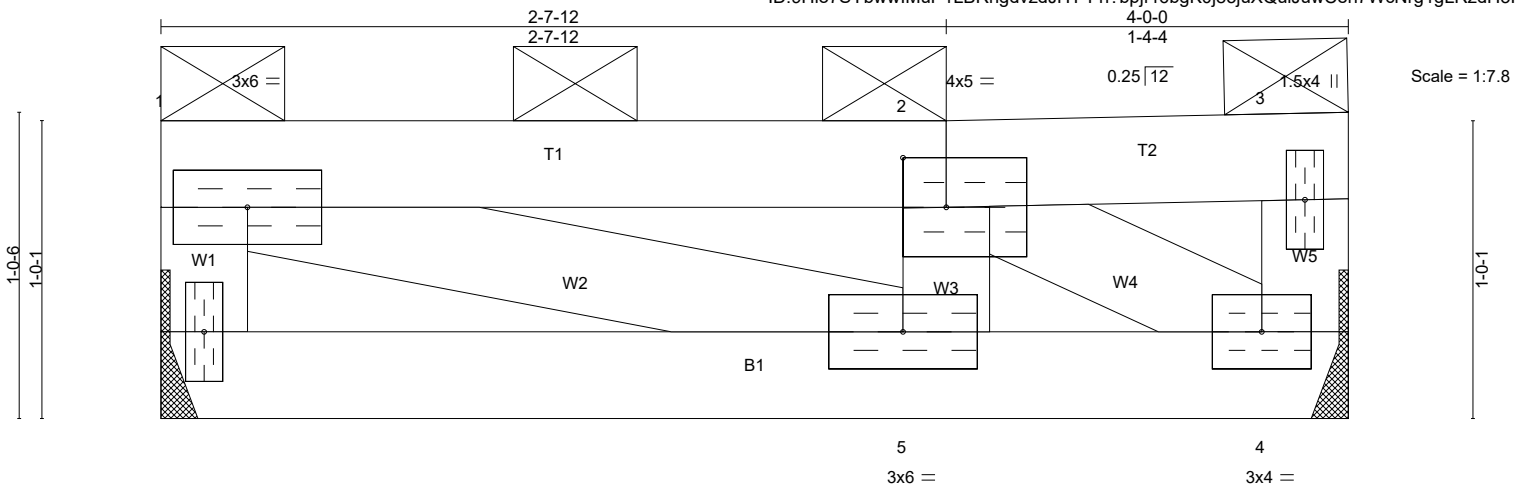

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0]

LOADING (psf)		SPACING-	6-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.01	5-6	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins, except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.

REACTIONS. (lb/size) 6=445/Mechanical, 4=445/Mechanical
Max Horz 6=77(LC 9)
Max Uplift 6=-134(LC 8), 4=-121(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-383/432, 1-2=-501/435
BOT CHORD 4-5=-467/501
WEBS 1-5=-477/521, 2-4=-581/514

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 6 and 121 lb uplift at joint 4.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T07	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248 — Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:48 2022 Page 1
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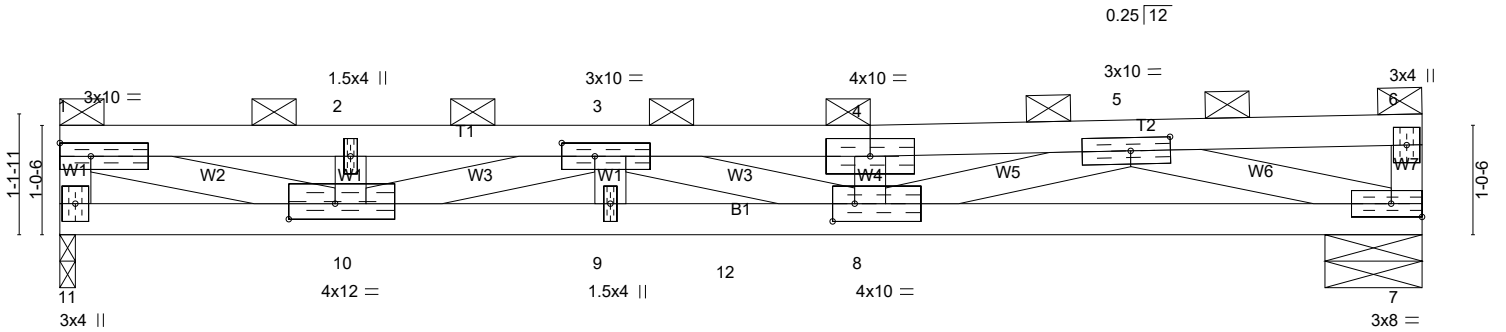
2-8-15	5-2-5	7-7-12	10-1-4	12-10-4
2-8-15	2-5-7	2-5-7	2-5-8	2-9-0

Scale = 1:21.7



2-8-15	5-2-5	6-4-4	7-7-12	12-10-4
2-8-15	2-5-7	1-1-15	1-3-8	5-2-8

Plate Offsets (X,Y)-- [3:0-3-12,0-1-8], [5:0-4-8,0-1-8], [8:0-2-8,0-2-0], [10:0-5-4,0-1-12]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.26	8-9	>579	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.40	8-9	>378	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.05	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 54 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (2-2-9 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 6-4-14 oc bracing.

REACTIONS. (lb/size) 11=1199/0-1-12 (min. 0-1-8), 7=1194/0-11-0 (min. 0-1-8)
Max Horz 11=59(LC 5)
Max Uplift11=-363(LC 4), 7=-359(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1070/347, 1-2=-3269/986, 2-3=-3269/986, 3-4=-5243/1577, 4-5=-5246/1579
BOT CHORD 10-11=-78/265, 9-10=-1632/5323, 9-12=-1632/5323, 8-12=-1632/5323, 7-8=-993/3130
WEBS 1-10=-951/3123, 2-10=-282/139, 3-10=-2145/700, 3-9=-88/335, 4-8=-397/166, 5-8=-589/2220, 5-7=-3080/1019

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 363 lb uplift at joint 11 and 359 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 383 lb down and 183 lb up at 6-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-128, 7-11=-32
Concentrated Loads (lb)
Vert: 12=-383(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T07A	Roof Special Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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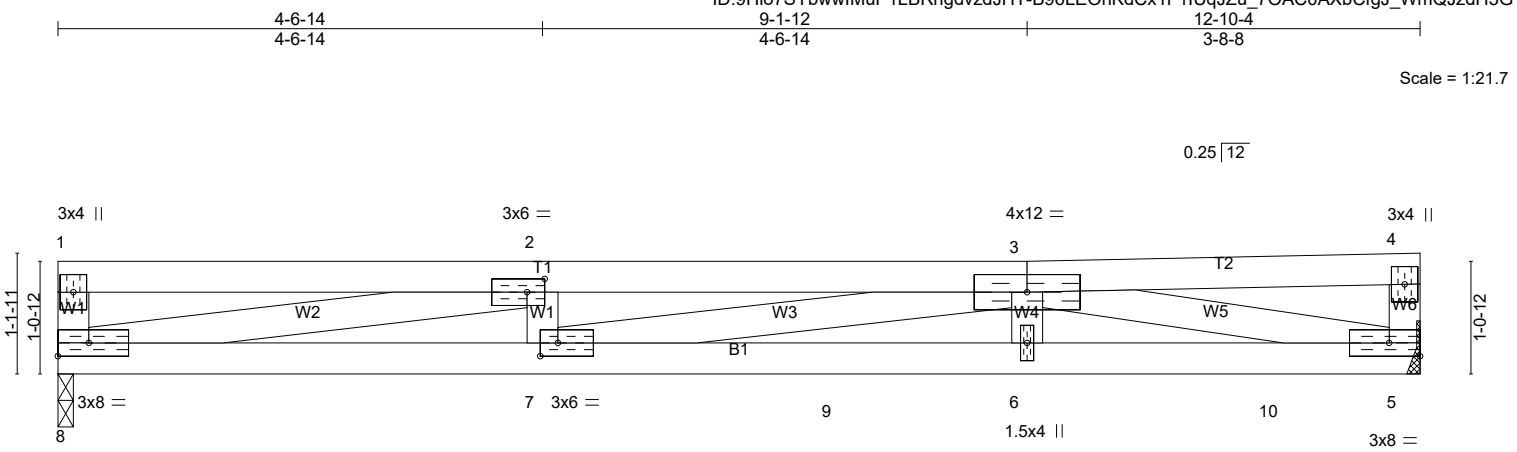

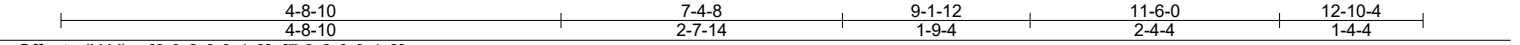

Plate Offsets (X,Y)-- [2:0-2-0,0-1-8], [7:0-2-0,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.24	6-7	>626	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.37	6-7	>410	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.05	5	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 53 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF 2400F 2.0E
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-10 oc bracing.

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

REACTIONS. (lb/size) 8=703/0-1-12 (min. 0-1-8), 5=984/Mechanical
Max Horz 8=30(LC 5)
Max Uplift 8=-220(LC 4), 5=-323(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3055/982
BOT CHORD 7-8=-969/3055, 7-9=-1047/3233, 6-9=-1047/3233, 6-10=-1047/3233, 5-10=-1047/3233
WEBS 2-8=-2868/932, 3-7=-183/252, 3-6=-120/443, 3-5=-3071/1000

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 8 and 323 lb uplift at joint 5.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 410 lb down and 174 lb up at 7-4-8, and 272 lb down and 116 lb up at 11-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-64, 5-8=-16
Concentrated Loads (lb)
Vert: 9=-410(B) 10=-272(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T07B	Flat	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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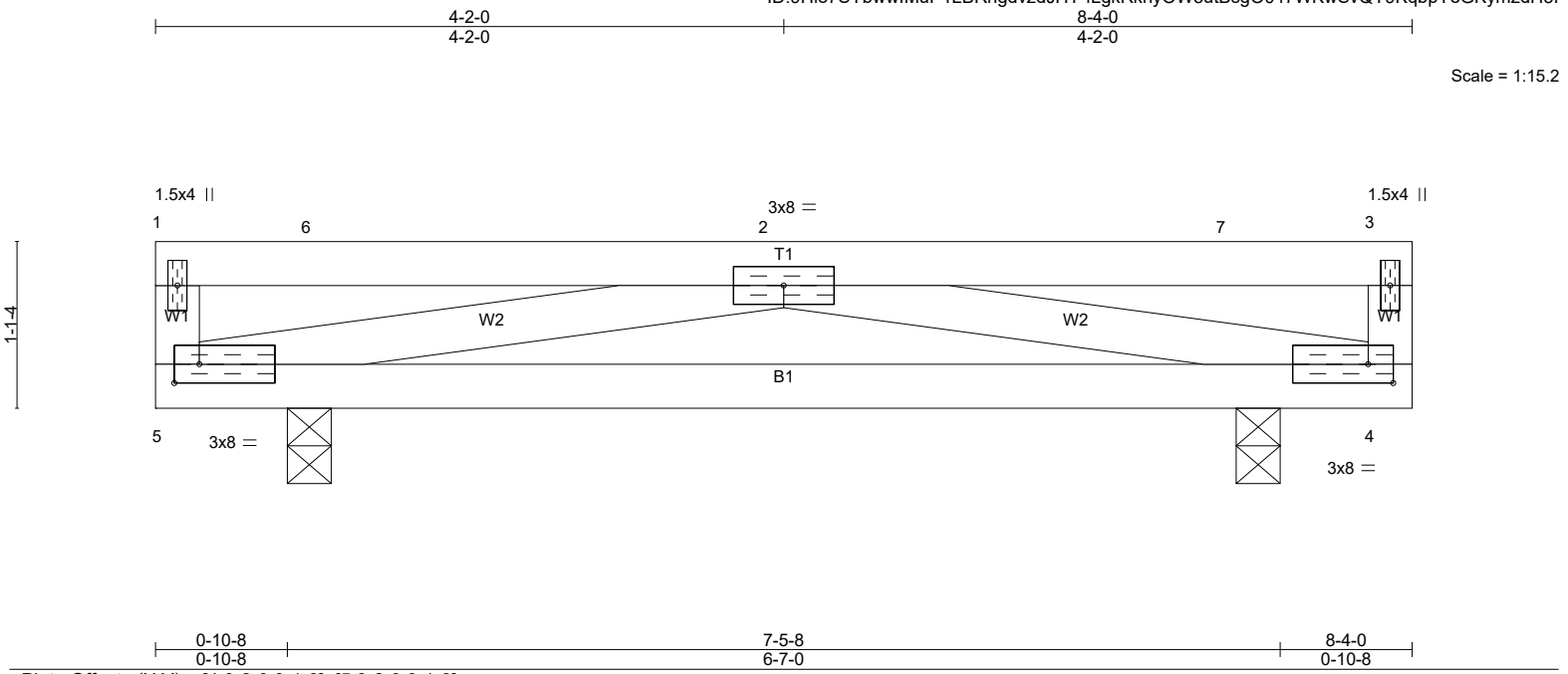

Plate Offsets (X,Y)-- [4:0-2-0,0-1-8], [5:0-2-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.22	4-5	>440	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.40	4-5	>244	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 35 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 8-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-1 oc bracing.

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

REACTIONS. (lb/size) 5=322/0-3-8 (min. 0-1-8), 4=322/0-3-8 (min. 0-1-8)
Max Horz 5=28(LC 11)
Max Uplift5=-94(LC 8), 4=-94(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-964/745
WEBS 2-5=-761/976, 2-4=-761/974

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 5 and 94 lb uplift at joint 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T07C	Flat	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:50 2022 Page 1
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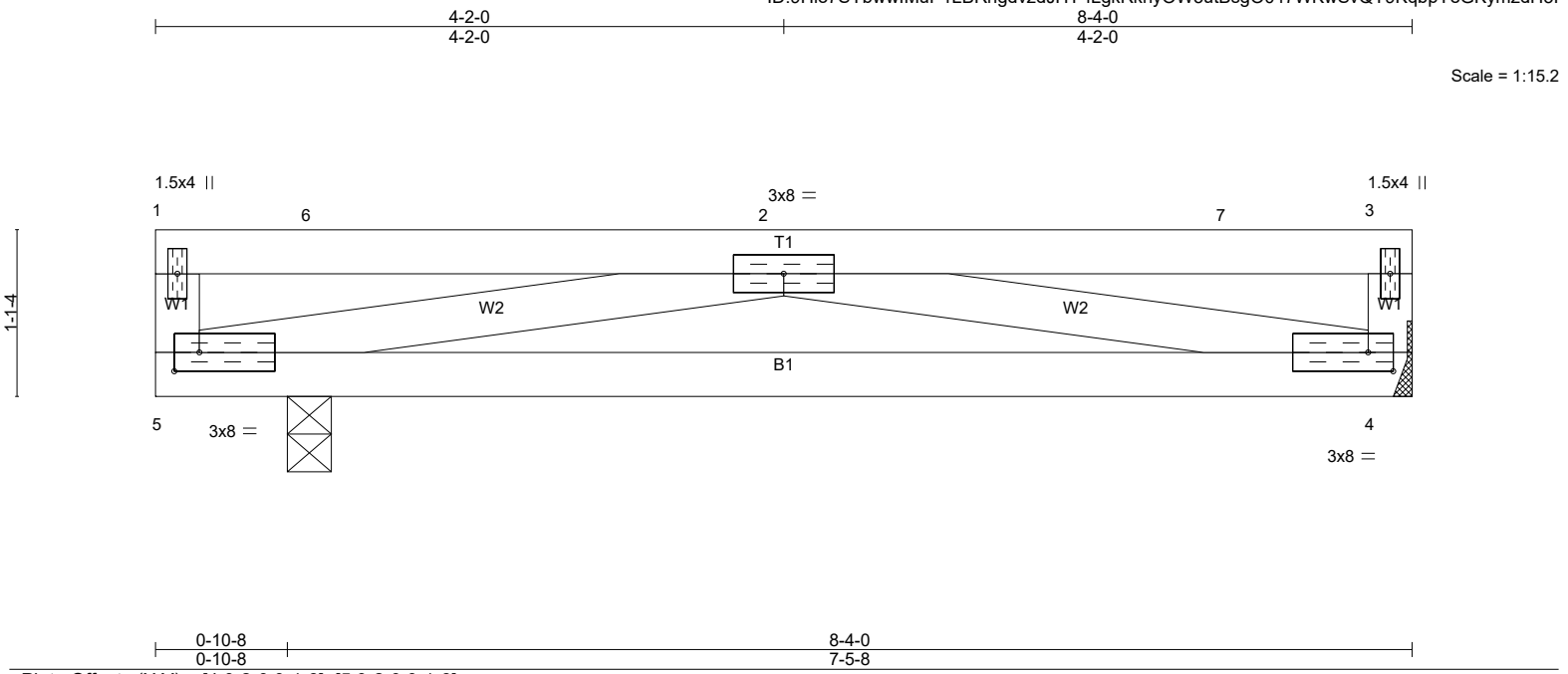


Plate Offsets (X,Y)-- [4:0-2-0,0-1-8], [5:0-2-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.22	4-5	>440	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.40	4-5	>244	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	4	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 35 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 8-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-1 oc bracing.

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

REACTIONS. (lb/size) 4=322/Mechanical, 5=322/0-3-8 (min. 0-1-8)
Max Horz 5=-28(LC 8)
Max Uplift 4=-94(LC 9), 5=-94(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-964/745
WEBS 2-5=-761/976, 2-4=-761/974

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 4 and 94 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

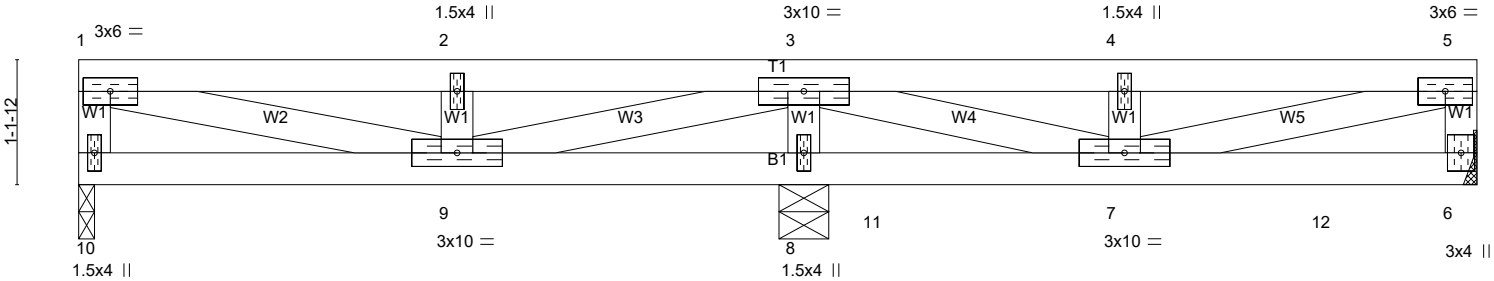
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T07D	Flat Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:51 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-7YE6f4ia9qBlULRsykcM3YTceqzF3ISzmH?tUCzdH3E

3-5-12 | 6-8-0 | 9-7-6 | 12-10-4
3-5-12 | 3-2-4 | 2-11-6 | 3-2-14

Scale = 1:21.2



3-5-12 | 6-8-0 | 7-4-8 | 9-7-6 | 11-6-0 | 12-10-4
3-5-12 | 3-2-4 | 0-8-8 | 2-2-14 | 1-10-10 | 1-4-4

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.02	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 54 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS. (lb/size) 10=194/0-1-12 (min. 0-1-8), 6=435/Mechanical, 8=1058/0-5-8 (min. 0-1-8)
Max Horz 10=30(LC 5)
Max Uplift10=-71(LC 21), 6=-135(LC 5), 8=-334(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-617/202, 4-5=-617/202
BOT CHORD 8-9=-252/83, 8-11=-252/83, 7-11=-252/83
WEBS 3-9=-184/515, 3-8=-627/218, 3-7=-281/905, 5-7=-160/502

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 10, 135 lb uplift at joint 6 and 334 lb uplift at joint 8.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 164 lb up at 7-4-8, and 272 lb down and 105 lb up at 11-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-64, 6-10=-16
Concentrated Loads (lb)
Vert: 11=-411(F) 12=-272(F)

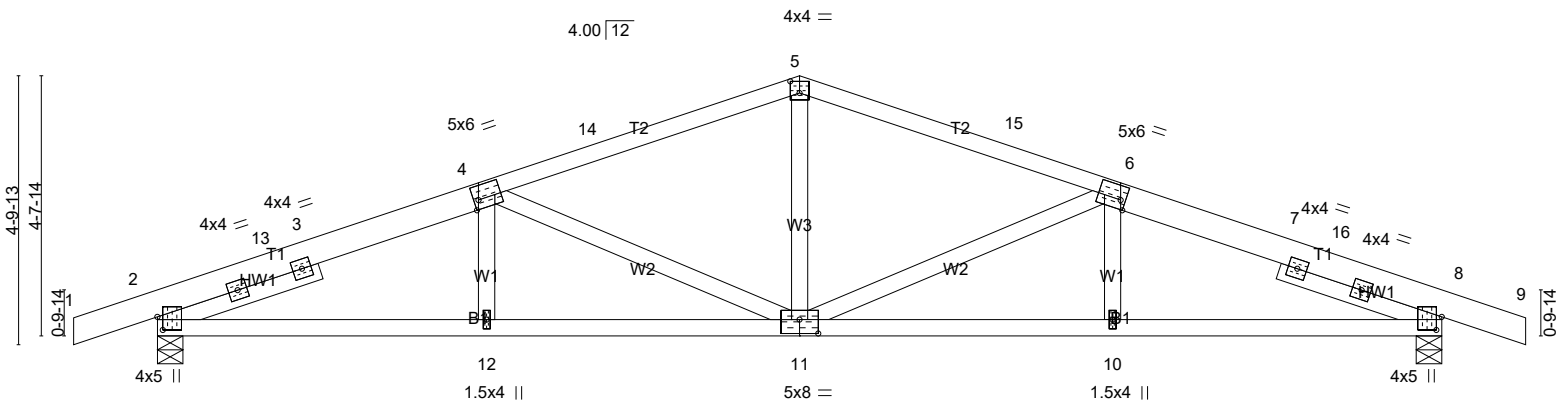
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T08	Common	7	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:52 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-bkoUsQjDw7Jc6U03VR7bbl0j9DIJojT6?xlR0ezdH3D

-1-6-0	5-10-12	11-6-0	17-1-4	23-0-0	24-6-0
1-6-0	5-10-12	5-7-4	5-7-4	5-10-12	1-6-0

Scale = 1:41.3



5-10-12	11-6-0	17-1-4	23-0-0
5-10-12	5-7-4	5-7-4	5-10-12

Plate Offsets (X,Y)-- [2:0-2-13,0-1-3], [4:0-1-0,Edge], [5:0-2-0,0-2-8], [6:0-1-0,Edge], [8:0-2-13,0-1-3], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.08	11-12	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.14	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.06	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 116 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 3-0-9, Right 2x4 DF No.2 3-0-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-9 oc bracing.

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

REACTIONS. (lb/size) 2=1016/0-5-8 (min. 0-1-8), 8=1016/0-5-8 (min. 0-1-8)
Max Horz 2=-71(LC 17)
Max Uplift 2=-288(LC 8), 8=-288(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1876/531, 3-13=-1813/539, 3-4=-1815/549, 4-14=-1366/429, 5-14=-1305/439, 5-15=-1305/439, 6-15=-1366/429, 6-7=-1815/549, 7-16=-1813/539, 8-16=-1875/531
BOT CHORD 2-12=-460/1684, 11-12=-458/1689, 10-11=-451/1689, 8-10=-454/1684
WEBS 5-11=-106/483, 6-11=-556/212, 4-11=-556/211

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-3, Interior(1) 2-1-3 to 11-6-0, Exterior(2R) 11-6-0 to 15-1-3, Interior(1) 15-1-3 to 24-6-0 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2 and 288 lb uplift at joint 8.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

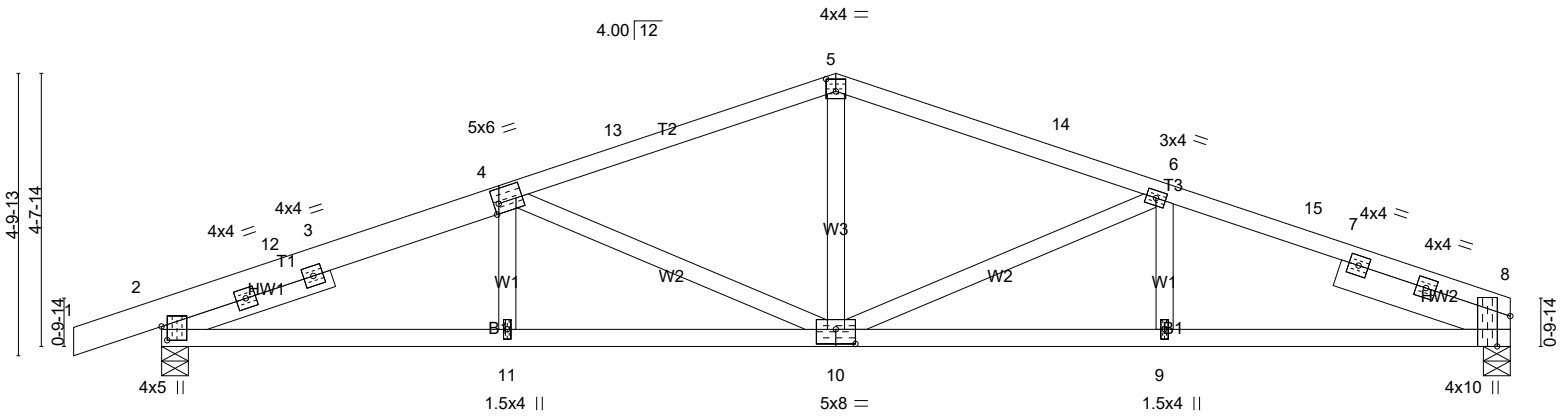
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T08A	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:53 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-3wMs4mkrhRRTkebF39eq8zYuGdd1XAlGEbU_Z5zdH3C

-1-6-0	5-10-12	11-6-0	17-1-4	23-0-0
1-6-0	5-10-12	5-7-4	5-7-4	5-10-12

Scale = 1:39.3



5-10-12	11-6-0	17-1-4	23-0-0
5-10-12	5-7-4	5-7-4	5-10-12

Plate Offsets (X,Y)-- [2:0-2-13,0-1-3], [4:0-1-0,Edge], [5:0-2-0,0-2-8], [8:0-6-3,Edge], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.09	9-10	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 111 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 3-0-9, Right 2x6 DF No.2 3-1-3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-7 oc bracing.

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

REACTIONS. (lb/size) 8=917/0-5-8 (min. 0-1-8), 2=1019/0-5-8 (min. 0-1-8)
Max Horz 2=72(LC 16)
Max Uplift 8=-224(LC 9), 2=-289(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1883/540, 3-12=-1820/548, 3-4=-1822/558, 4-13=-1376/433, 5-13=-1316/442, 5-14=-1313/449, 6-14=-1367/439, 6-15=-1755/538, 7-15=-1771/530, 7-8=-1850/524
BOT CHORD 2-11=-470/1690, 10-11=-467/1695, 9-10=-437/1642, 8-9=-437/1642
WEBS 5-10=-109/471, 6-10=-510/202, 4-10=-553/211

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-3, Interior(1) 2-1-3 to 11-6-0, Exterior(2R) 11-6-0 to 15-1-3, Interior(1) 15-1-3 to 23-0-0 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 224 lb uplift at joint 8 and 289 lb uplift at joint 2.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T08B	Common Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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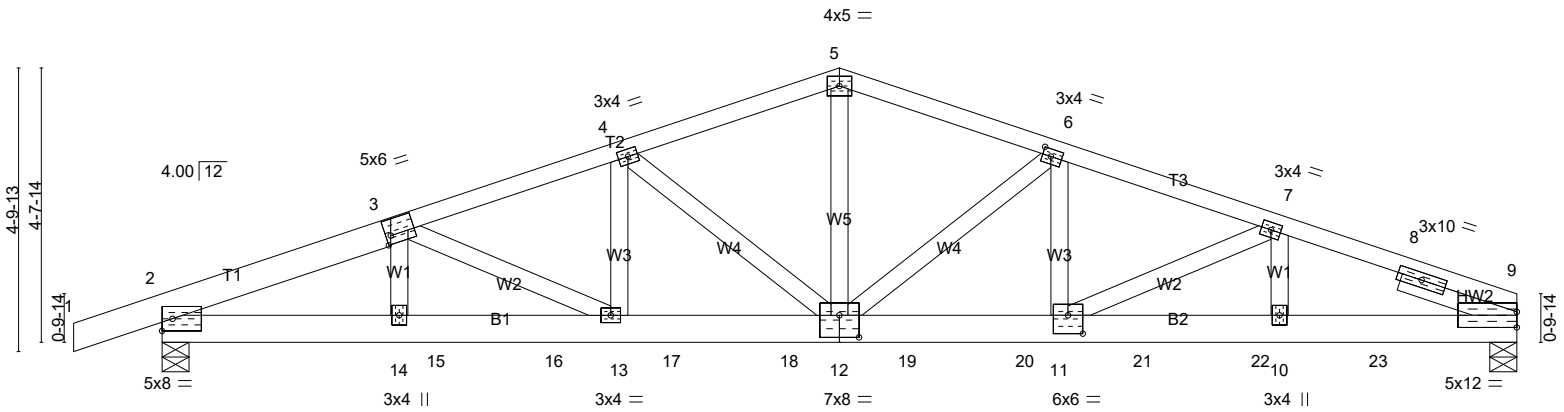
ID:9Hio7SYbwwlMuP1LBRngdvzdJHT-0JUdUSl5D2hBzyleBZgIDOe7TRHw?27Yhvz5dzzdH3A

-1-6-0	4-0-5	7-9-3	11-6-0	15-2-13	18-11-11	23-0-0
1-6-0	4-0-5	3-8-13	3-8-13	3-8-13	3-8-13	4-0-5

Scale = 1:39.1



4-0-5	4-7-14	7-9-3	11-6-0	15-2-13	18-11-11	23-0-0
4-0-5	0-7-9	3-1-5	3-8-13	3-8-13	3-8-13	4-0-5

Plate Offsets (X,Y)-- [3:0-1-0,0-1-12], [6:0-1-12,0-1-8], [9:0-0-0,0-3-3], [11:0-3-0,0-3-12], [12:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.16	11-12	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.25	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.06	9	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 260 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 DF No.2 *Except*
T3: 2x4 DF 2400F 2.0E, T2: 2x4 DF No.2
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2
SLIDER Right 2x4 DF No.2 2-0-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=4441/0-5-8 (min. 0-2-6), 2=3562/0-5-8 (min. 0-1-14)
Max Horz 2=74(LC 33)
Max Uplift 9=-1152(LC 5), 2=-995(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7717/2036, 3-4=-7992/2096, 4-5=-6729/1766, 5-6=-6737/1762, 6-7=-8677/2258, 7-8=-9195/2395, 8-9=-9217/2380
BOT CHORD 2-14=-1861/6953, 14-15=-1865/6968, 15-16=-1865/6968, 13-16=-1865/6968, 13-17=-1941/7531, 17-18=-1941/7531, 12-18=-1941/7531, 12-19=-2061/8244, 19-20=-2061/8244, 11-20=-2061/8244, 11-21=-2170/8503, 21-22=-2170/8503, 10-22=-2170/8503, 10-23=-2170/8503, 9-23=-2170/8503
WEBS 5-12=-1036/4018, 6-12=-2469/690, 6-11=-436/1768, 7-11=-359/128, 7-10=-201/884, 4-12=-1559/484, 4-13=-314/1199, 3-13=-187/716

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Plates checked for a plus or minus 15 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1152 lb uplift at joint 9 and 995 lb uplift at joint 2.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 87 lb up at 4-7-14, 744 lb down and 204 lb up at 6-7-14, 744 lb down and 204 lb up at 8-7-14, 744 lb down and 204 lb up at 10-7-14, 744 lb down and 204 lb up at 12-7-14, 744 lb down and 204 lb up at 14-7-14, 744 lb down and 204 lb up at 16-7-14, and 744 lb down and 204 lb up at 18-7-14, and 744 lb down and 204 lb up at 20-7-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-64, 5-9=-64, 2-9=-16
Concentrated Loads (lb)
Vert: 15=-115(B) 16=-744(B) 17=-744(B) 18=-744(B) 19=-744(B) 20=-744(B) 21=-744(B) 22=-744(B) 23=-744(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09	Common	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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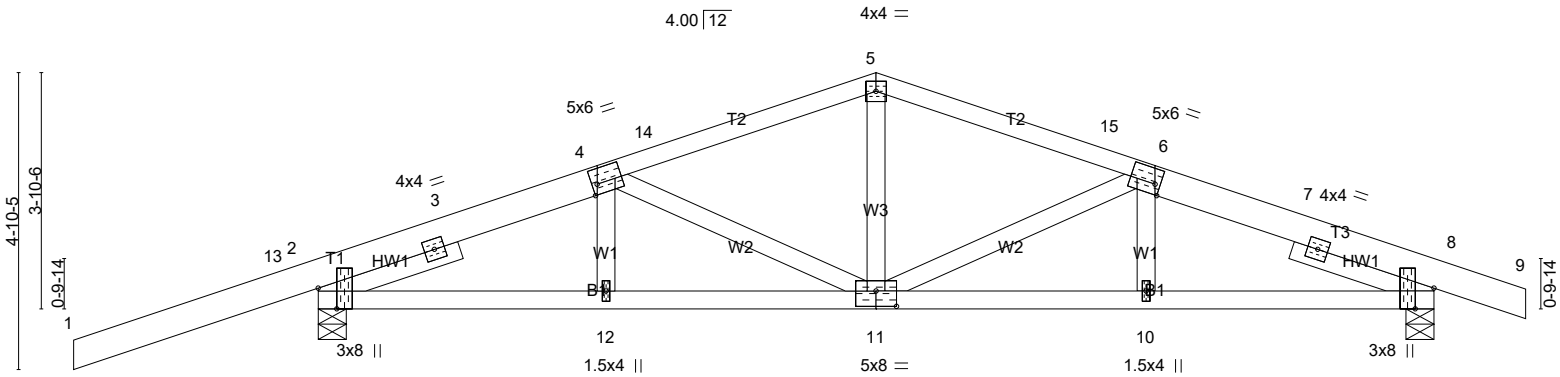
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-UV1?iomj_Mp2b6KqkHBXmbAPlrg4kZCiwZje9PzdH39

-4-0-0	4-8-8	9-1-8	13-6-8	18-3-0	19-9-0
4-0-0	4-8-8	4-5-0	4-5-0	4-8-8	1-6-0

Scale = 1:37.7



4-8-8	9-1-8	13-6-8	18-3-0
4-8-8	4-5-0	4-5-0	4-8-8

Plate Offsets (X,Y)-- [2:0-4-1,Edge], [4:0-1-0,Edge], [6:0-1-0,Edge], [8:0-4-1,Edge], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.04	11-12	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.03	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 100 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 DF No.2 *Except* T1,T3: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 2-5-1, Right 2x4 DF No.2 2-5-1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. (lb/size) 2=1010/0-5-8 (min. 0-1-8), 8=802/0-5-8 (min. 0-1-8)
Max Horz 2=86(LC 8)
Max Uplift 2=-362(LC 8), 8=-237(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1261/380, 3-4=-1183/391, 4-14=-981/325, 5-14=-936/336, 5-15=-936/347, 6-15=-982/336, 6-7=-1292/402, 7-8=-1358/388
BOT CHORD 2-12=-312/1061, 11-12=-309/1064, 10-11=-314/1193, 8-10=-317/1189
WEBS 5-11=-65/325, 6-11=-390/161, 4-11=-254/106

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -4-0-0 to -0-4-13, Interior(1) -0-4-13 to 9-1-8, Exterior(2R) 9-1-8 to 12-8-11, Interior(1) 12-8-11 to 19-9-0 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint 2 and 237 lb uplift at joint 8.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

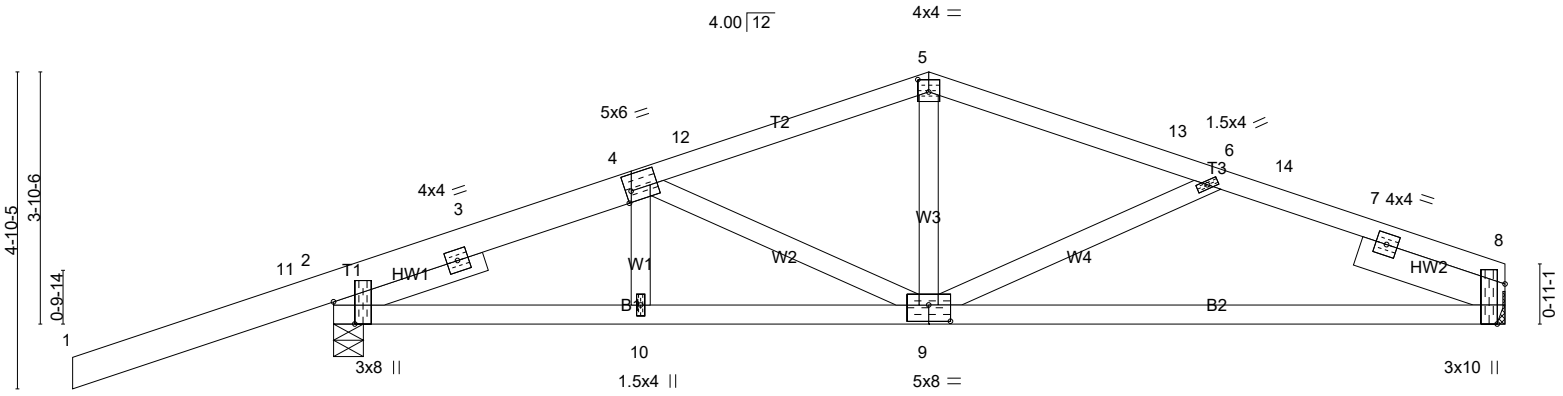
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09A	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:56 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-UV1?iomj_Mp2b6KqkHBXmbAPlrdgkatiwZje9PzdH39

-4-0-0	4-8-8	9-1-8	13-4-12	17-11-8
4-0-0	4-8-8	4-5-0	4-3-4	4-6-12

Scale = 1:35.3



4-8-8	9-1-8	17-11-8
4-8-8	4-5-0	8-10-0

Plate Offsets (X,Y)-- [2:0-4-1,Edge], [4:0-1-0,Edge], [5:0-2-0,0-2-4], [8:0-7-6,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.10	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.18	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 91 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 2-5-1, Right 2x6 DF No.2 2-4-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-6 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. (lb/size) 8=690/Mechanical, 2=1003/0-5-8 (min. 0-1-8)
Max Horz 2=87(LC 8)
Max Uplift 8=-169(LC 9), 2=-361(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1239/391, 3-4=-1161/401, 4-12=-971/327, 5-12=-926/337, 5-13=-924/346, 6-13=-956/337, 6-14=-1133/425, 7-14=-1163/419, 7-8=-1229/419
BOT CHORD 2-10=-321/1041, 9-10=-318/1043, 8-9=-324/1067
WEBS 5-9=-58/332, 6-9=-273/157

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -4-0-0 to -0-4-13, Interior(1) -0-4-13 to 9-1-8, Exterior(2R) 9-1-8 to 12-8-11, Interior(1) 12-8-11 to 17-11-8 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 8 and 361 lb uplift at joint 2.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

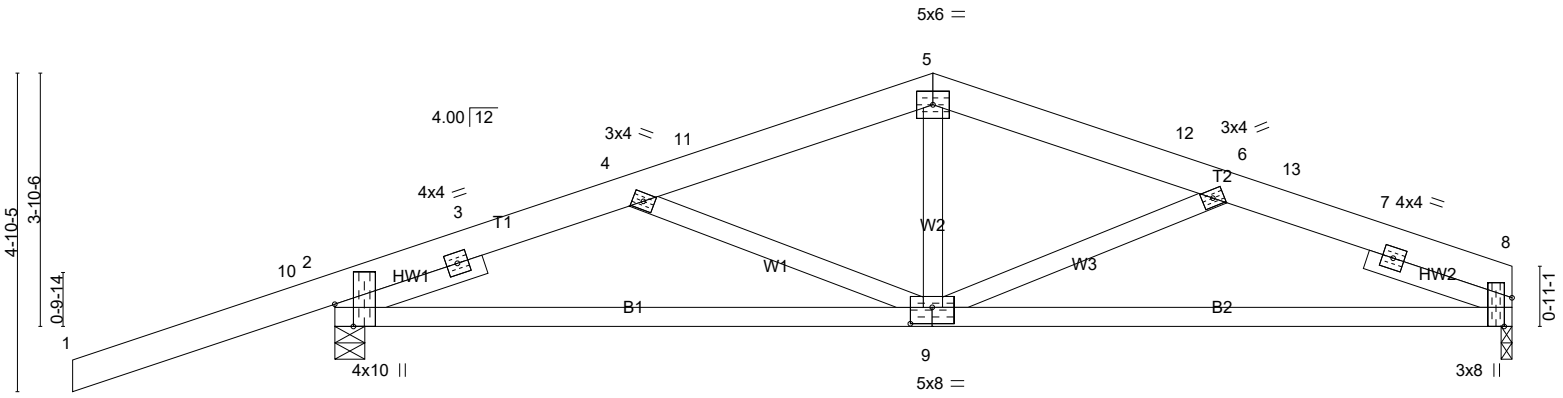
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09B	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:57 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-yibNv7nLlgxvCGv0l_imlpjaVEz8T1Cr9DSCiszdH38

-4-0-0	4-8-8	9-1-8	13-4-12	17-11-8
4-0-0	4-8-8	4-5-0	4-3-4	4-6-12

Scale = 1:35.1



9-1-8	17-11-8
9-1-8	8-10-0

Plate Offsets (X,Y)-- [2:0-4-1,Edge], [8:0-5-4,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.09	2-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.16	2-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.03	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 98 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x4 DF No.2 2-4-9, Right 2x4 DF No.2 2-4-1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. (lb/size) 8=690/0-2-0 (min. 0-1-8), 2=1003/0-5-8 (min. 0-1-8)
Max Horz 2=86(LC 8)
Max Uplift 8=-169(LC 9), 2=-361(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1186/396, 3-4=-1104/400, 4-11=-988/326, 5-11=-962/335, 5-12=-961/349, 6-12=-989/339, 6-13=-1155/428, 7-13=-1190/423, 7-8=-1255/424
BOT CHORD 2-9=-316/987, 8-9=-333/1093
WEBS 5-9=-31/338, 6-9=-266/159

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -4-0-0 to -0-4-13, Interior(1) -0-4-13 to 9-1-8, Exterior(2R) 9-1-8 to 12-8-11, Interior(1) 12-8-11 to 17-11-8 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 8 and 361 lb uplift at joint 2.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

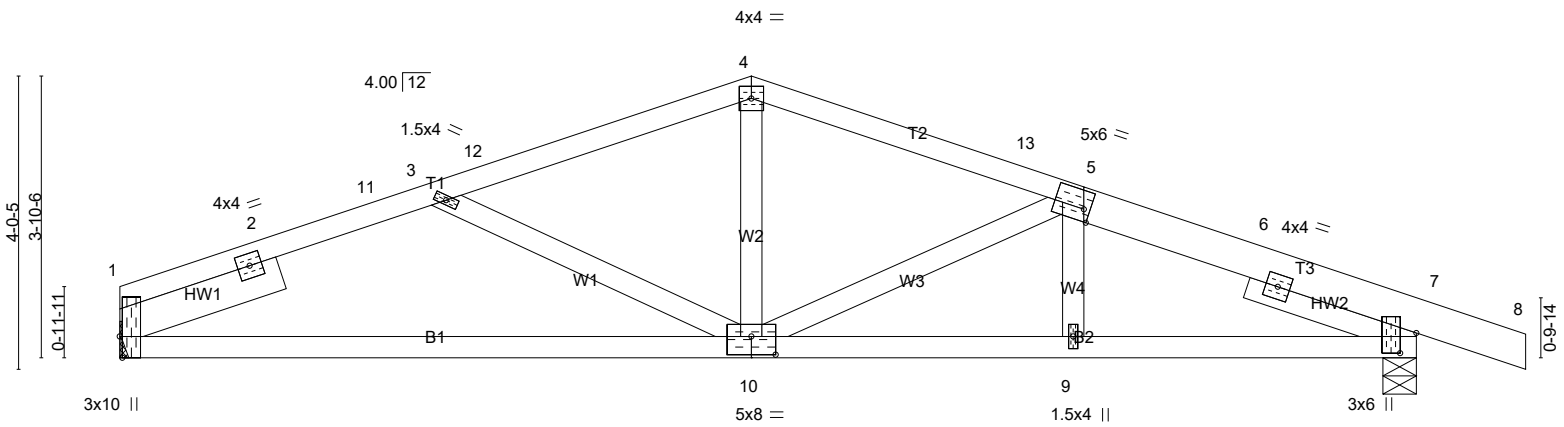
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09C	Common	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:58 2022 Page 1
ID:9Hio7SYbwwIMuP1LBRngdvzdJHT-Qu9l7TozWz3mqPUCsiE?r0GmmeJOCTn?NtClElzdH37

4-5-12	8-8-0	13-1-0	17-9-8	19-3-8
4-5-12	4-2-4	4-5-0	4-8-8	1-6-0

Scale = 1:31.6



8-8-0	13-1-0	17-9-8
8-8-0	4-5-0	4-8-8

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [5:0-1-0,Edge], [7:0-3-5,0-2-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.09	1-10	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.17	1-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.03	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 85 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T3: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 2-4-8, Right 2x4 DF No.2 2-5-1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-1 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. (lb/size) 1=708/Mechanical, 7=812/0-5-8 (min. 0-1-8)
Max Horz 1=-60(LC 13)
Max Uplift1=-171(LC 8), 7=-239(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1241/427, 2-11=-1172/426, 3-11=-1142/432, 3-12=-997/356, 4-12=-967/365, 4-13=-969/356, 5-13=-1016/345, 5-6=-1313/459, 6-7=-1378/451
BOT CHORD 1-10=-341/1070, 9-10=-373/1211, 7-9=-375/1208
WEBS 4-10=-72/333, 5-10=-374/166

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-7-3, Interior(1) 3-7-3 to 8-8-0, Exterior(2R) 8-8-0 to 12-3-3, Interior(1) 12-3-3 to 19-3-8 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 1 and 239 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

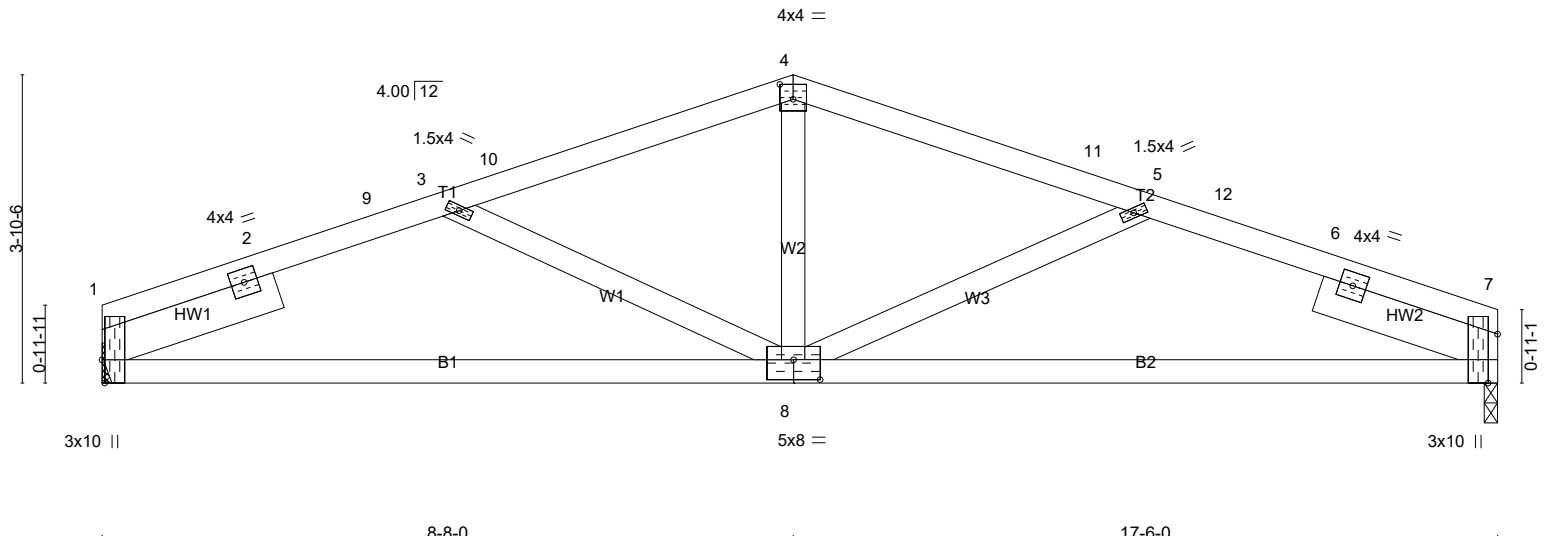
Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09D	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:05:59 2022 Page 1
ID:9Hio7SYbwwlMuP1LBRngdvzdJHT-u4j7KpocHHBdSZ2PQPlEOEoxY2g4xxd8cXxImkzdH36

4-5-12	8-8-0	12-11-4	17-6-0
4-5-12	4-2-4	4-3-4	4-6-12

Scale = 1:28.9



8-8-0	17-6-0
8-8-0	8-10-0

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-2-0,0-2-4], [7:0-7-6,Edge], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.08	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 76 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 2-4-8, Right 2x6 DF No.2 2-4-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-9 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. (lb/size) 1=700/Mechanical, 7=700/0-2-0 (min. 0-1-8)
Max Horz 1=57(LC 16)
Max Uplift1=-170(LC 8), 7=-171(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1227/427, 2-9=-1157/428, 3-9=-1127/434, 3-10=-984/349, 4-10=-954/358, 4-11=-954/358, 5-11=-986/348, 5-12=-1157/444, 6-12=-1187/438, 6-7=-1254/437
BOT CHORD 1-8=-346/1056, 7-8=-353/1088
WEBS 4-8=-55/328, 5-8=-269/159

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-7-3, Interior(1) 3-7-3 to 8-8-0, Exterior(2R) 8-8-0 to 12-3-3, Interior(1) 12-3-3 to 17-6-0 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 1 and 171 lb uplift at joint 7.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09E	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:06:00 2022 Page 1
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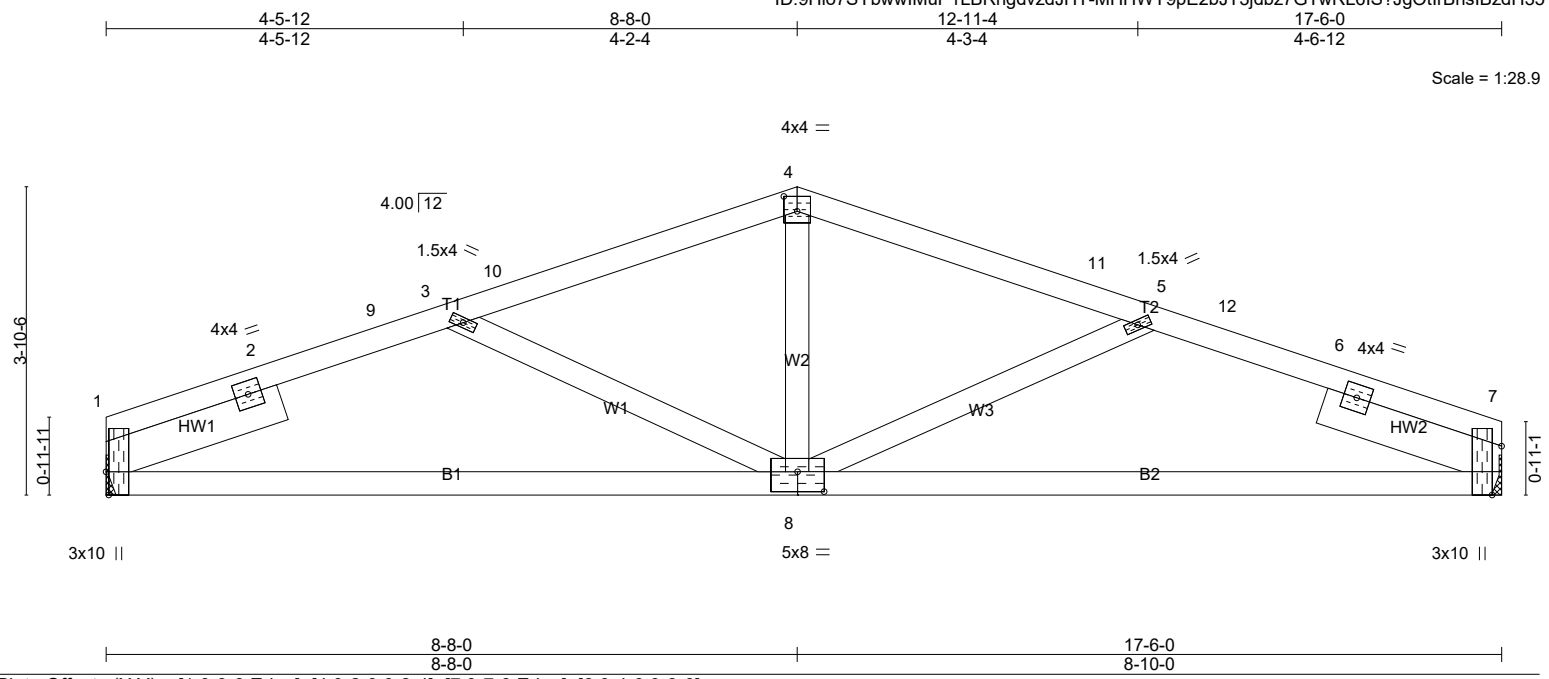

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-2-0,0-2-4], [7:0-7-6,Edge], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.08	7-8	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 76 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 2-4-8, Right 2x6 DF No.2 2-4-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-9 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. (lb/size) 1=700/Mechanical, 7=700/Mechanical
Max Horz 1=57(LC 16)
Max Uplift1=-170(LC 8), 7=-171(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1227/427, 2-9=-1157/428, 3-9=-1127/434, 3-10=-984/349, 4-10=-954/358, 4-11=-954/358, 5-11=-986/348, 5-12=-1157/444, 6-12=-1187/438, 6-7=-1254/437
BOT CHORD 1-8=-346/1056, 7-8=-353/1088
WEBS 4-8=-55/328, 5-8=-269/159

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-7-3, Interior(1) 3-7-3 to 8-8-0, Exterior(2R) 8-8-0 to 12-3-3, Interior(1) 12-3-3 to 17-6-0 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 1 and 171 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T09F	Common Girder	1	**2**	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:06:01 2022 Page 1
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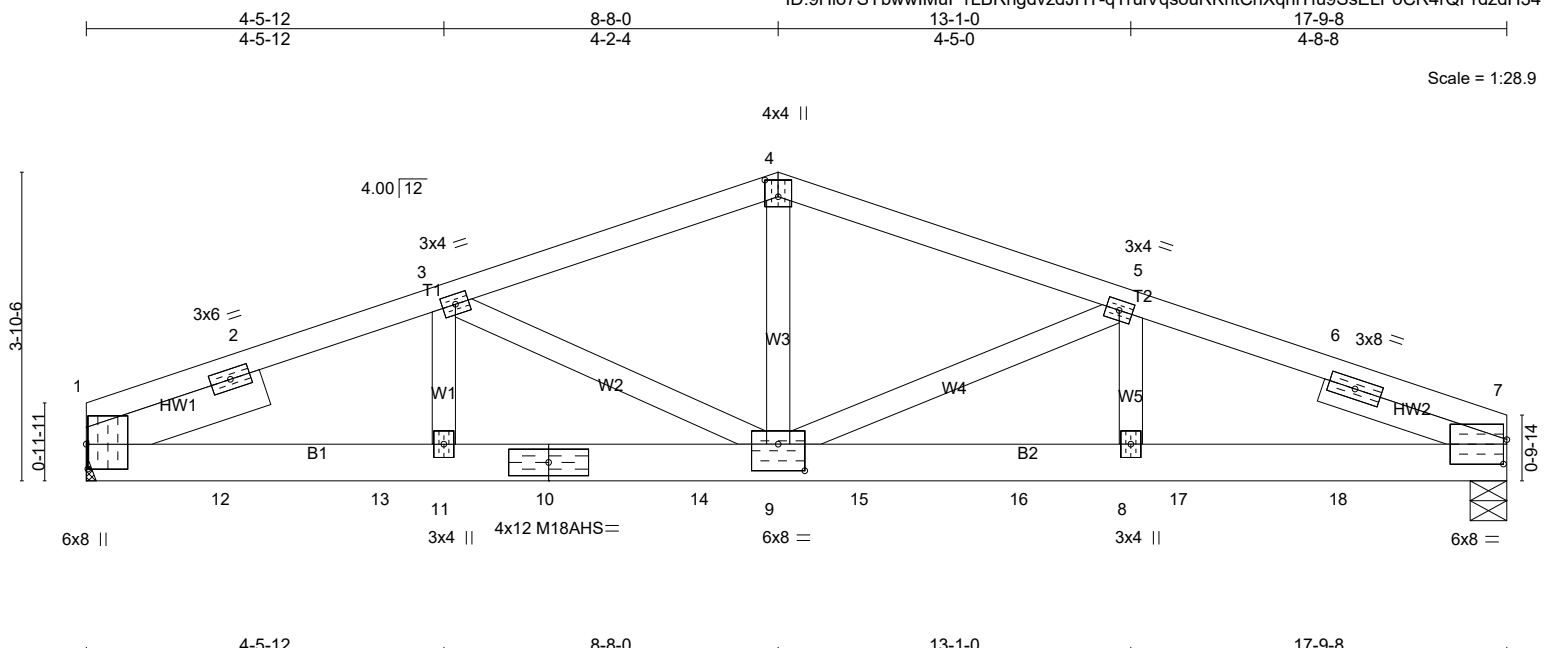

Plate Offsets (X,Y)-- [1:0-3-12,0-0-4], [4:0-2-8,0-2-0], [7:0-0-8,0-3-11], [9:0-4-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.12	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.18	8-9	>999	180	M18AHS	169/162
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.05	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 185 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E *Except*
T2: 2x4 DF No.2
BOT CHORD 2x6 DF 2400F 2.0E *Except*
B2: 2x6 DF No.2
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 2-4-3, Right 2x4 DF No.2 2-5-1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3609/Mechanical, 7=3654/0-5-8 (min. 0-1-15)
Max Horz 1=56(LC 12)
Max Uplift1=-961(LC 4), 7=-978(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6524/1717, 2-3=-6501/1744, 3-4=-5466/1464, 4-5=-5472/1462, 5-6=-6983/1878, 6-7=-7023/1857
BOT CHORD 1-12=-1597/5998, 12-13=-1597/5998, 11-13=-1597/5998, 10-11=-1597/5998, 10-14=-1597/5998, 9-14=-1597/5998, 9-15=-1696/6492, 15-16=-1696/6492, 8-16=-1696/6492, 8-17=-1696/6492, 17-18=-1696/6492, 7-18=-1696/6492
WEBS 3-11=-267/1102, 3-9=-992/318, 4-9=-774/2966, 5-9=-1500/462, 5-8=-316/1288

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 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=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) Plates checked for a plus or minus 15 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 961 lb uplift at joint 1 and 978 lb uplift at joint 7.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 714 lb down and 204 lb up at 1-8-12, 714 lb down and 204 lb up at 3-8-12, 714 lb down and 204 lb up at 5-8-12, 714 lb down and 204 lb up at 7-8-12, 714 lb down and 204 lb up at 9-8-12, 700 lb down and 202 lb up at 11-8-12, 700 lb down and 202 lb up at 13-8-12, and 700 lb down and 202 lb up at 15-8-12, and 170 lb down and 51 lb up at 17-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-64, 4-7=-64, 1-7=-16
   Concentrated Loads (lb)
      Vert: 7=-170(B) 10=-714(B) 12=-714(B) 13=-714(B) 14=-714(B) 15=-714(B) 16=-700(B) 17=-700(B) 18=-700(B)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T10	Common	3	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:06:02 2022 Page 1

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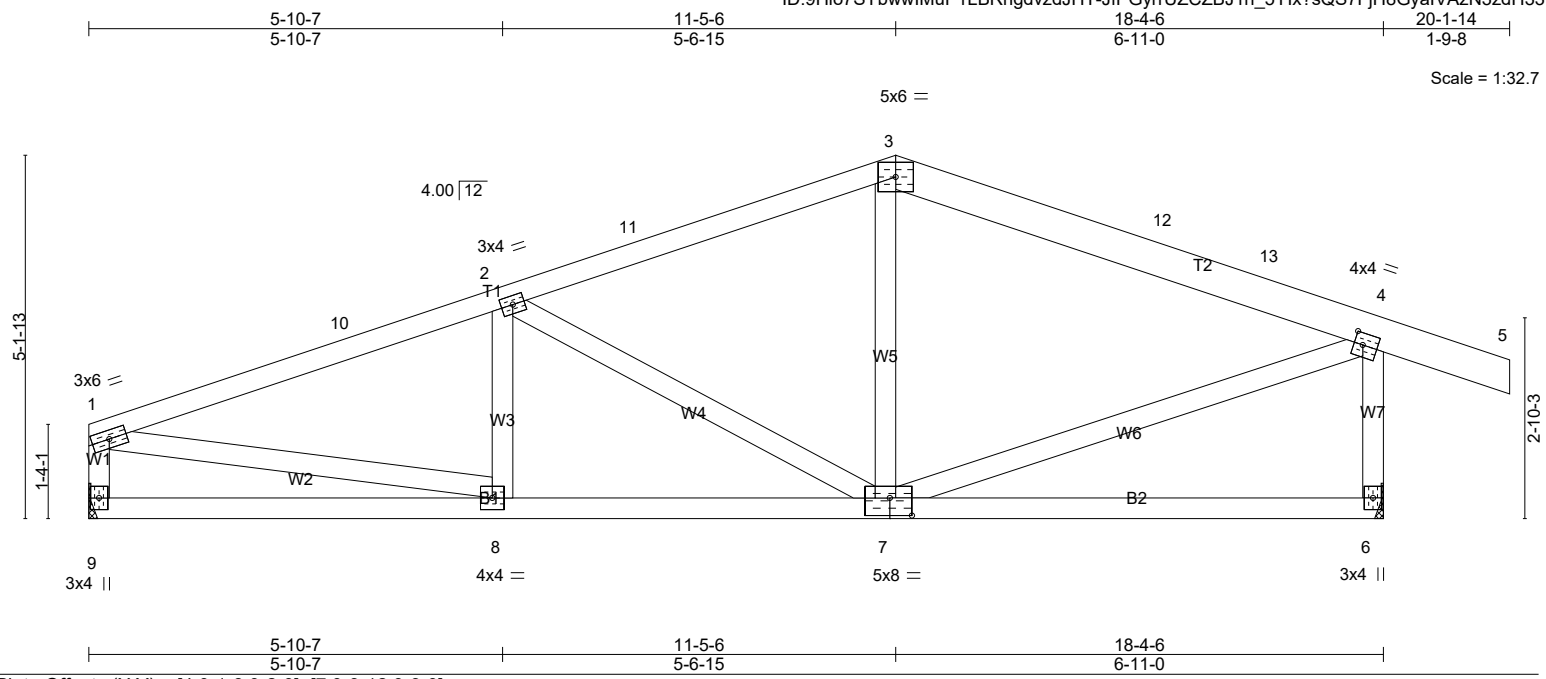

Plate Offsets (X,Y)-- [4:0-1-8,0-2-0], [7:0-3-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.05	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 100 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 DF No.2 *Except*
T2: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-6-9 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. (lb/size) 9=716/Mechanical, 6=854/Mechanical
Max Horz 9=48(LC 11)
Max Uplift 9=-186(LC 8), 6=-247(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1112/347, 2-10=-1008/355, 2-11=-753/284, 3-11=-692/297, 3-12=-694/276, 12-13=-703/267, 4-13=-768/263, 1-9=-669/245, 4-6=-802/367
BOT CHORD 7-8=-358/1006
WEBS 2-7=-435/177, 1-8=-264/907, 4-7=-195/654

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-8-15, Interior(1) 3-8-15 to 11-5-6, Exterior(2R) 11-5-6 to 15-0-9, Interior(1) 15-0-9 to 20-1-14 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9 and 247 lb uplift at joint 6.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T10A	Common	5	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:06:03 2022 Page 1
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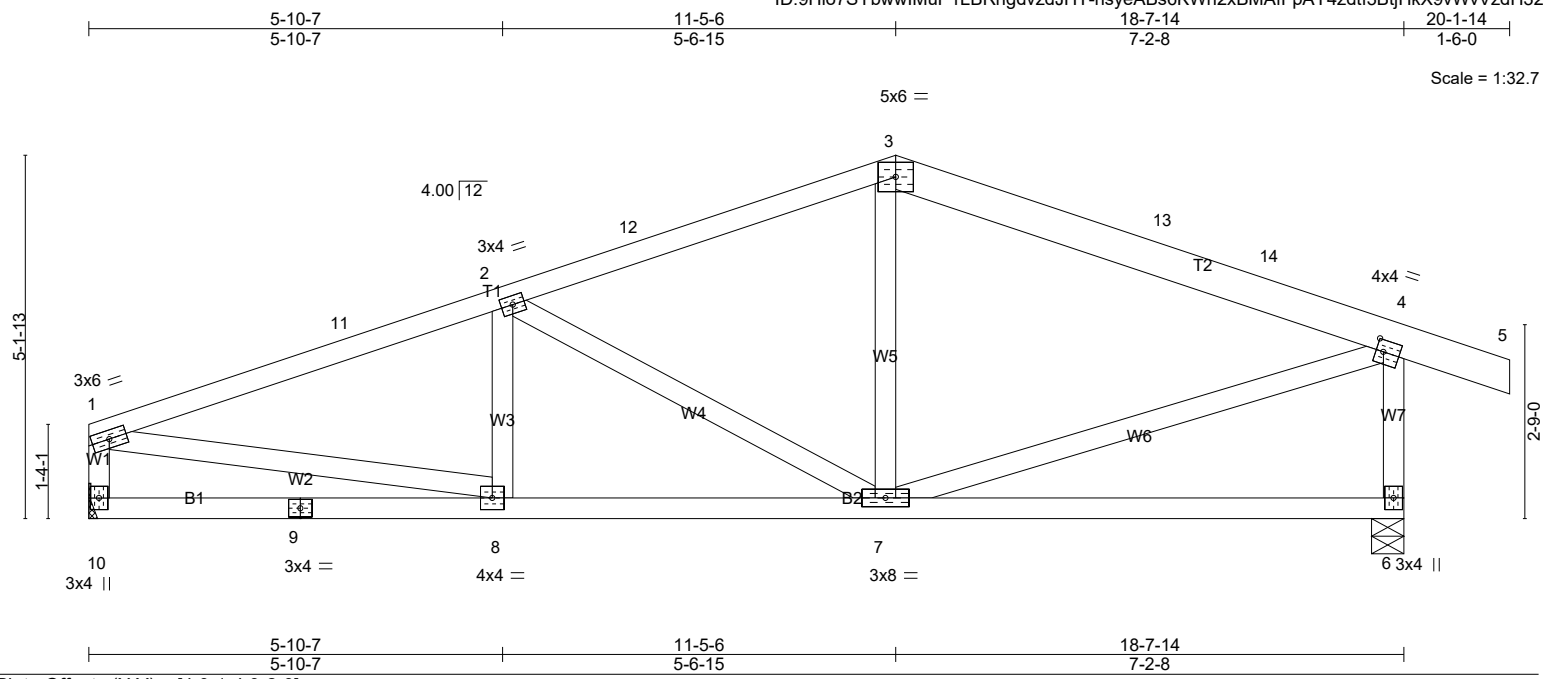

Plate Offsets (X,Y)-- [4:0-1-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.07	6-7	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.12	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	6	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 101 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except*
T2: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 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. (lb/size) 10=730/Mechanical, 6=845/0-5-8 (min. 0-1-8)
Max Horz 10=46(LC 11)
Max Uplift10=-188(LC 8), 6=-238(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1139/353, 2-11=-1034/362, 2-12=-791/293, 3-12=-731/306, 3-13=-732/284, 13-14=-736/274, 4-14=-808/270, 1-10=-682/248, 4-6=-790/354
BOT CHORD 7-8=-367/1031
WEBS 2-7=-427/176, 1-8=-270/931, 4-7=-201/671

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-8-15, Interior(1) 3-8-15 to 11-5-6, Exterior(2R) 11-5-6 to 15-0-9, Interior(1) 15-0-9 to 20-1-14 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 10 and 238 lb uplift at joint 6.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T11	Common Girder	1	2	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

Run: 8.530 s Feb 23 2022 Print: 8.530 s Feb 23 2022 MiTek Industries, Inc. Mon Mar 7 13:06:04 2022 Page 1
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4-0-0	5-1-12	4-10-4	4-10-4	5-1-12	4-0-0

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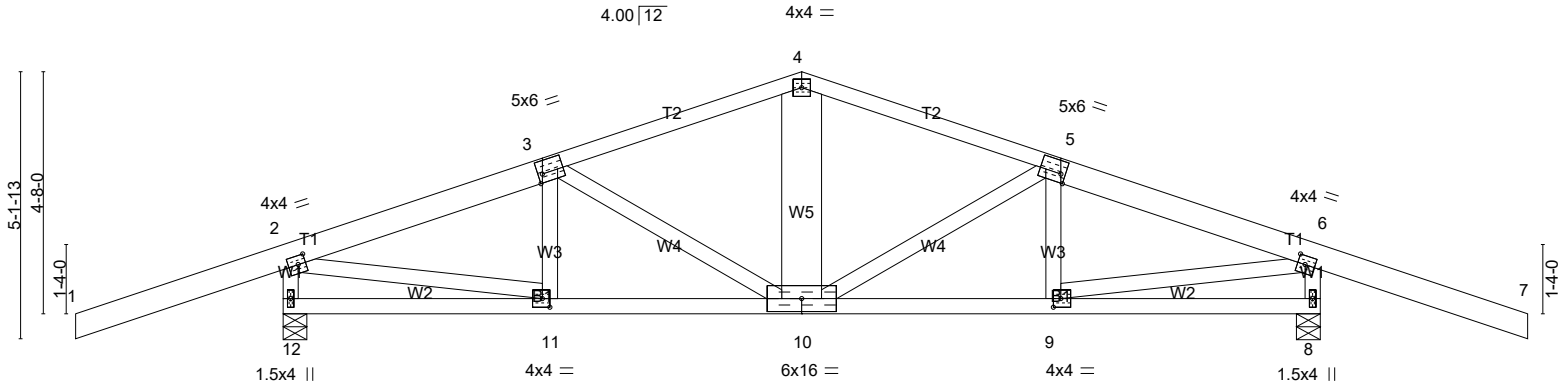

5-1-12	10-0-0	14-10-4	20-0-0
5-1-12	4-10-4	4-10-4	5-1-12

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [3:0-1-0,Edge], [5:0-1-0,Edge], [6:0-1-12,0-2-0], [9:0-1-12,0-2-0], [11:0-1-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.05	10	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.08	10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.02	8	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 264 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except* T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except* W5: 2x10 DF SS

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

REACTIONS. (lb/size) 12=1954/0-5-8 (min. 0-1-8), 8=1954/0-5-8 (min. 0-1-8)
Max Horz 12=-46(LC 5)
Max Uplift12=-634(LC 4), 8=-634(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2803/724, 3-4=-3032/821, 4-5=-3032/821, 5-6=-2803/724, 2-12=-1904/645, 6-8=-1904/645
BOT CHORD 10-11=-645/2553, 9-10=-599/2553
WEBS 4-10=-287/105, 5-10=-123/451, 5-9=-453/169, 3-10=-123/451, 3-11=-453/169, 2-11=-684/2648, 6-9=-682/2648

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 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=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Plates checked for a plus or minus 15 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 634 lb uplift at joint 12 and 634 lb uplift at joint 8.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1957 lb down and 516 lb up at 10-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-64, 2-4=-64, 4-6=-64, 6-7=-64, 8-12=-16
Concentrated Loads (lb)
Vert: 4=-1800(F)

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T11A	Common	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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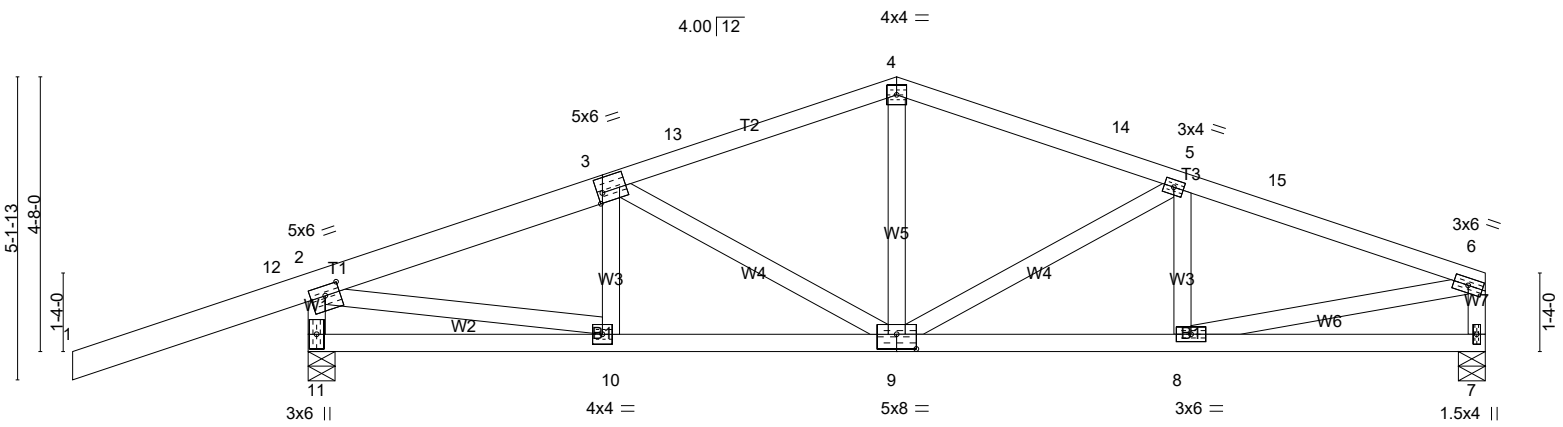
Scale = 1:39.1



5-1-12 5-1-12 | 10-0-0 4-10-4 | 14-10-4 4-10-4 | 20-0-0 5-1-12

Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [3:0-1-0,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.04	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 111 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except* T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

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

REACTIONS. (lb/size) 11=1082/0-5-8 (min. 0-1-8), 7=760/0-5-8 (min. 0-1-8)
Max Horz 11=74(LC 8)
Max Uplift 11=-381(LC 8), 7=-188(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1115/359, 3-13=-953/324, 4-13=-899/336, 4-14=-897/347, 5-14=-951/336, 5-15=-1091/369, 6-15=-1182/362, 2-11=-1041/492, 6-7=-718/250
BOT CHORD 9-10=-327/980, 8-9=-333/1078
WEBS 4-9=-66/310, 5-9=-326/137, 2-10=-313/1115, 6-8=-294/1007

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -4-0-0 to -0-4-13, Interior(1) -0-4-13 to 10-0-0, Exterior(2R) 10-0-0 to 13-7-3, Interior(1) 13-7-3 to 19-10-4 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 11 and 188 lb uplift at joint 7.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T11B	Common	8	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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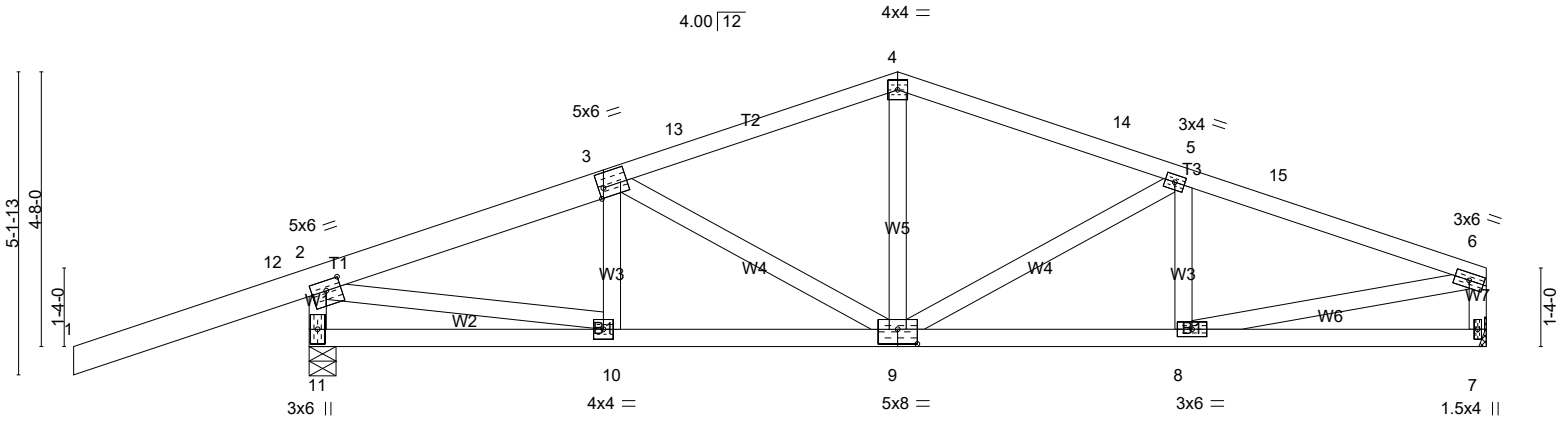
-4-0-0 | 5-1-12 | 10-0-0 | 14-10-4 | 20-0-0
4-0-0 | 5-1-12 | 4-10-4 | 4-10-4 | 5-1-12

Scale = 1:39.1



5-1-12 | 10-0-0 | 14-10-4 | 20-0-0
5-1-12 | 4-10-4 | 4-10-4 | 5-1-12

Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [3:0-1-0,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.04	8-9	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	7	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 111 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2 *Except* T1: 2x6 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

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

REACTIONS. (lb/size) 11=1082/0-5-8 (min. 0-1-8), 7=760/Mechanical
Max Horz 11=74(LC 8)
Max Uplift 11=-381(LC 8), 7=-188(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1115/359, 3-13=-953/324, 4-13=-899/336, 4-14=-897/347, 5-14=-951/336, 5-15=-1091/369, 6-15=-1182/362, 2-11=-1041/492, 6-7=-718/250
BOT CHORD 9-10=-327/980, 8-9=-333/1078
WEBS 4-9=-66/310, 5-9=-326/137, 2-10=-313/1115, 6-8=-294/1007

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -4-0-0 to -0-4-13, Interior(1) -0-4-13 to 10-0-0, Exterior(2R) 10-0-0 to 13-7-3, Interior(1) 13-7-3 to 19-10-4 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) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 11 and 188 lb uplift at joint 7.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BARCELO HOMES/93RD AVE
2200345	T11C	Flat Girder	1	1	Job Reference (optional)

Louws Truss, Inc., Ferndale, WA 98248

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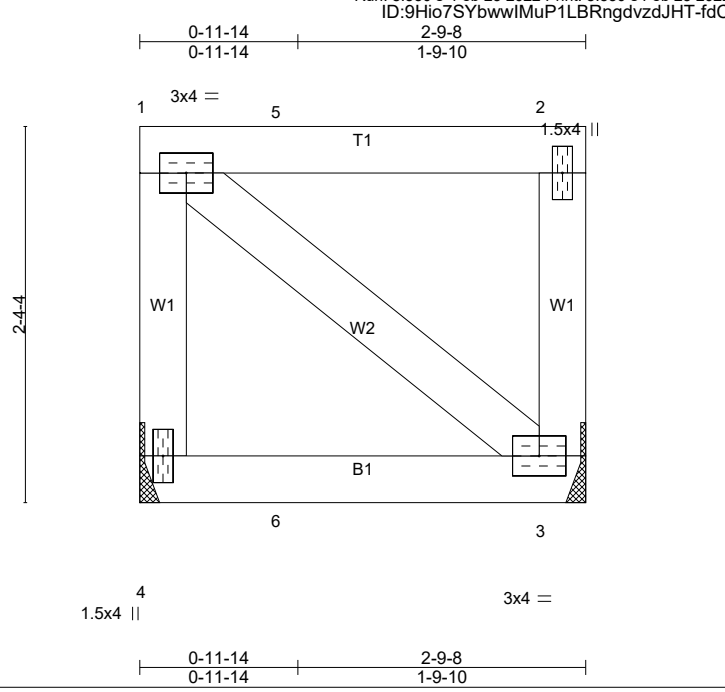

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	3-4	>999	240	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	8.0	Code IRC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-8 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. (lb/size) 4=161/Mechanical, 3=131/Mechanical
Max Horz 4=-72(LC 6)
Max Uplift 4=-84(LC 4), 3=-71(LC 5)

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

NOTES-
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Plates checked for a plus or minus 15 degree rotation about its center.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 4 and 71 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 69 lb up at 0-11-14 on top chord, and 48 lb down at 0-11-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-64, 3-4=-16
Concentrated Loads (lb)
Vert: 5=-70(F) 6=-22(F)