BID #1903888F Designed in Burlington, V	WA Review	county Bundary Reitsap.Wa.						BASIC PERMIT PACKAGE REVIEWED FOR CODE COMPLIANCE 7/ WITH IRC 2015 KITSAP COUNTY BUILDING DEPARTMENT				
ENVISION NW Floors Roof			2020				40-	00-00				
	9-06	5-00	+		10-06-0	00			20-00-	00		
2-00-00			°	0	0	0	0			5-04-04		
	F02F 2-00-0	00	-12	<b>○</b> 00	o O	• •	•	I 6 ⊲ F01G 6 ⊲ F01E	1-04-00			
6-01-00	F02E 2-00-0	00	2-03.	2-00-00	2-00-00	2-00-00	+		2-00-00	GT01		
لَّى ا	F02E 2-01-0	00	GT02B	F02G	F02G	F02G	F02G	F01E GT01A	1-02-00	P1		
+	GT02C	1	-11-00					o⊲ F01D	2-00-00	<u>o</u>		
9-03-08		p⊲ F02l 2	-00-00					p.⊲ F01D	2-00-00	0-01-12		
	7-05-00	F02	-00-00					o.⊲ F01D	2-00-00			
		<pre></pre>	-00-00					o.⊲ F01D	1-06-00	<mark>m 3-08-08 مم</mark> ک ن		
			-04-08					GT01C	2-01-12			
34-00-00	5 d GT02 F02C		<u>7-08</u> -00-00					5.⊲ F01C	2-00-00			
34-0	Σ⊲ F02C		-00-00					o.⊲ F01C	2-00-00		(7)	
	Σ⊲ F02C		-					o.⊲ F01C	2-00-00			
	F02C		2-00-00					⊳⊲ F01C	2-00-00	a		
	>⊲ F02C	2-00-00						o⊲ F01C				
	∑⊲ F02C	2-00-00						o⊲ F01C	2-00-00  2-00-00			
	×⊲ F02C	2	-00-00					o.⊲ F01C	a			
	۶d	2	-00-00					5.⊲ F01C				
	F02C	2	-00-00					F01B				
_	F02C	1	-10-04					F01A	2-00-00	o		
0	F02B	24	-01-12					⊳⊲ F01A	2-00-00	a		
00-00-9		F02A 2	-00-00					2-00-00 F01A 2-00-00				
			-00-00					o⊲ T F01A	2-00-00			
-		F02	•					F01	2-00-00			
	5-00-00		1	15-00-0	00				14-04-00	5-08-00		
		T					40-	00-00		Ţ		
	T											
	Basic Per											
	3671		S S ATED		Dep	oth:	16-00	) Spaci	ing: <i>24"</i>			

Job	Truss	Truss Type	Qty	Ply	ENVISION NW
1903888F	F01	Floor Supported Gable	1	1	lab Reference (entionel)
Louws Truss, Inc., Ferndale, W	 /A 98248				Job Reference (optional) 8.310 s Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:33:11 2019 Page 1 nwntyz 1pO-OMIKyWL63EqW0d66?uRr3HDFpdiuEjdN1mHkYayynK6
			ID:T9FACX?ULBIN	NQU_rXIm	
					0 <sub>11</sub> 8
					Scale = 1:22.8
1 2	3 4	5 6	5 7	8	8 9 10 11 12
9₩1 ST1	ST1 S	TI STI S	ST1 ST1		
X X		X X	H H		
				$\sim$	
24 23	22 2	20 1	19 18		17 16 15 14 13
					3x4 =
0-3-8 0-3-8			13-7-0 13-3-8		<u>13-10-</u> 8 0-3-8
Plate Offsets (X,Y) [1:	Edge,0-0-12], [25:0-1-8,0-0	-12]	13-3-8		0-3-8
		-			

LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.07 BC 0.02 WB 0.02 Matrix-R	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a 999	<b>PLATES</b> MT20 Weight: 56 lb	<b>GRIP</b> 220/195 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie		•	

2x4 DF No.2(flat) 2x4 DF No.2(flat) WFBS OTHERS

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-10-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

#### NOTES-

1) 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.

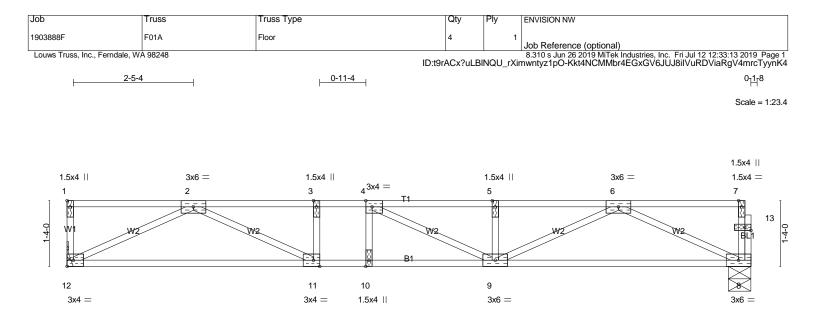
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means. 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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φ-3-8	5-1-8	5-7-2 <sub>1</sub> 6-0-12		13-7-0		<u>13-10</u> -8 0-3-8
0-3-8	4-10-0	0-5-10'0-5-10'		7-6-4		<u>0-3-8</u>
Plate Offsets (X,Y)	[1:Edge,0-0-12], [4:0-1-8,Edge], [11:	0-1-8,Edge], [13:0-1-8,0-0-	12]			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.48 BC 0.71 WB 0.25 Matrix-SH	Vert(LL) -0.12 9-10 >9 Vert(CT) -0.16 9-10 >9	defl L/d 999 480 999 360 n/a n/a	<b>PLATES</b> MT20 Weight: 64 lb	<b>GRIP</b> 220/195 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 D BOT CHORD 2x4 D WEBS 2x4 D			except end	wood sheathing di d verticals. ng directly applied	, ,,	, <i>'</i>

REACTIONS. (lb/size) 8=747/0-5-8 (min. 0-1-8), 12=753/Mechanical

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

TOP CHORD 2-3=-2062/0, 3-4=-2062/0, 4-5=-2056/0, 5-6=-2056/0

BOT CHORD 11-12=0/1312, 10-11=0/2062, 9-10=0/2062, 8-9=0/1329

WEBS 6-8=-1464/0, 2-12=-1457/0, 6-9=0/808, 2-11=0/844, 5-9=-295/0, 4-9=-305/223

#### 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard

Established Basic Permit #

19-03671

Job	Truss	Truss Type	Qty	Ply	ENVISION NW		
1903888F	F01B	Floor	1	,			
Louws Truss, Inc., Ferndal					Job Reference (optio	nal) Tek Industries, Inc. Fri.	Jul 12 12:33:16 2019 Page 1
	0, 11100240		ID:t9rACx?uLBIN	IQU_rXir	nwntyz1pO-kJYD?EPF		Jul 12 12:33:16 2019 Page 1 0yeHivws6B1?VDoyynK1
2-5-4		0-8-12				0-7-8	0- <u>1</u> -8
							Scale = 1:32.3
1	3x4 = 2 3	3x4 =	3x6 =		7	3x4 = 3x4 = 8 9	10
I T		4 5	6			o y	10 
0 W1 W2	W2 "	W2	W2	TAS	WZ		
			B1				
<u>۲ کل</u> ۱		E9					
18 2×4 —	17	16 15	_		$14 \times \times$	13× 12× ×	<u>×××××</u> †µ 2vc –
3x4 =	3x6	= 4x4 =	-		3x6 =		3x6 =
		0.5.0				10.0.10	
0 <u>-3-8</u> 0-3-8	7-8-4	8-5-0 <u>8-0-10</u> 0-4-6	<u>13-5-12</u> 5-0-12		16-1-4	16-8-12 <u>16-5<sub>7</sub>0</u> 0-3-12	<u>19-3-0</u> <u>19-6</u> <sub>7</sub> 8 2-6-4 0-3-8
		0-4-6 0-4-6 dge], [8:0-1-8,Edge], [9:0-1-8,Ed		0.0 1 9		0-3-12	2-0-4 0-3-0
				9.0-1-0,			
LOADING (psf) TCLL 40.0		0-0 <b>CSI.</b> .00 TC 0.49		n (loc) ) 16-17	l/defl L/d >999 480	PLATES MT20	<b>GRIP</b> 220/195
TCDL 10.0	Lumber DOL 1.	.00 BC 0.62	Vert(CT) -0.13	3 16-17	>999 360		
BCLL 0.0 BCDL 5.0	Rep Stress Incr Y Code IRC2015/TPI20	ES WB 0.27 014 Matrix-SH	Horz(CT) 0.02	2 14	n/a n/a	Weight: 91 lb	FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 D			TOP CHORD		ural wood sheathing	directly applied or 6	-0-0 oc purlins,
BOT CHORD 2x4 D WEBS 2x4 D	F No.2(flat)		BOT CHORD		t end verticals. ceiling directly applied	d or 6-0-0 oc bracin	g.
REACTIONS. All b	earings 6-1-8 except (it=leng	oth) 18=Mechanical.					
(lb) - Max l	Uplift All uplift 100 b or less	at joint(s) 11 except 13=-350(L		C 2) 40			
		less at joint(s) 11, 13 except 14		.0 3), 12	2=300(LC 1)		
		es 250 (lb) or less except when 1370/0, 5-6=-1370/0, 6-7=0/990					
8-9=	=0/258	5-16=0/1370, 14-15=0/432, 13-1		n			
11-1	2=-258/0			Ο,			
		=-1580/0, 2-17=0/579, 6-15=0/ =0/286, 8-14=-817/0, 8-13=-43					
NOTES-	,, • · ·	,,	,				
1) Unbalanced floor I	live loads have been conside						
	4 MT20 unless otherwise inc for truss to truss connections						
4) Provide mechanic		russ to bearing plate capable o	f withstanding 100 lb up	olift at jo	int(s) 11 except (jt=lb	)	
13=350. 5) This truss is desig	ned in accordance with the	2015 International Residential C	Code sections R502.11.	1 and R	802.10.2 and		
referenced standa	rd ANSI/TPI 1.	ed at 10-0-0 oc and fastened to					
Strongbacks to be	attached to walls at their ou	ter ends or restrained by other		0.1317	x o j Hallo.		
7) CAUTION, Do not	erect truss backwards.						
LOAD CASE(S) Star	ndard						

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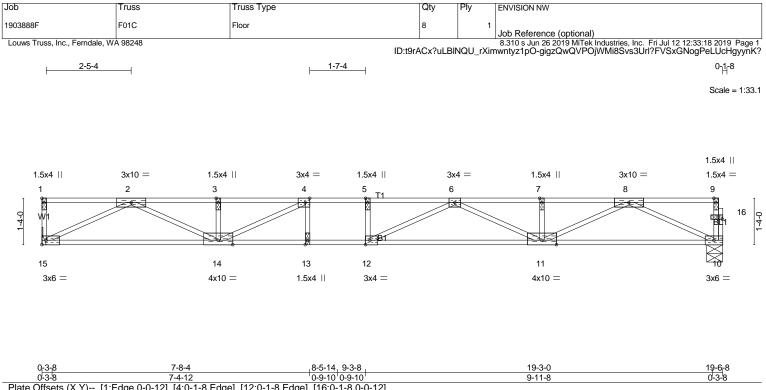


Plate Offsets (X,Y)	[1:Edge,0-0-12], [4:0-1-8,Edge], [12:	0-1-8,Edge], [16:0-1-8,0	0-0-12]			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.87 BC 0.67 WB 0.38 Matrix-SH	Vert(LL) -0.3	n (loc) l/defl L/d 7 11-12 >619 480 3 11-12 >438 360 7 10 n/a n/a	PLATES MT20 Weight: 88 lb	<b>GRIP</b> 220/195 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DF No.2(flat) BOT CHORD 2x4 DF 2400F 2.0E(flat) WEBS 2x4 DF No.2(flat)			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie	,	

REACTIONS. (lb/size) 10=1058/0-5-8 (min. 0-1-8), 15=1064/Mechanical

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

TOP CHORD 2-3=-3291/0, 3-4=-3291/0, 4-5=-4185/0, 5-6=-4185/0, 6-7=-3345/0, 7-8=-3345/0

BOT CHORD 14-15=0/1946, 13-14=0/4185, 12-13=0/4185, 11-12=0/4082, 10-11=0/1997

WEBS 8-10=-2202/0, 2-15=-2162/0, 8-11=0/1498, 2-14=0/1494, 3-14=-271/31, 6-11=-818/0, 4-14=-1179/0, 6-12=-248/548

#### 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and

referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

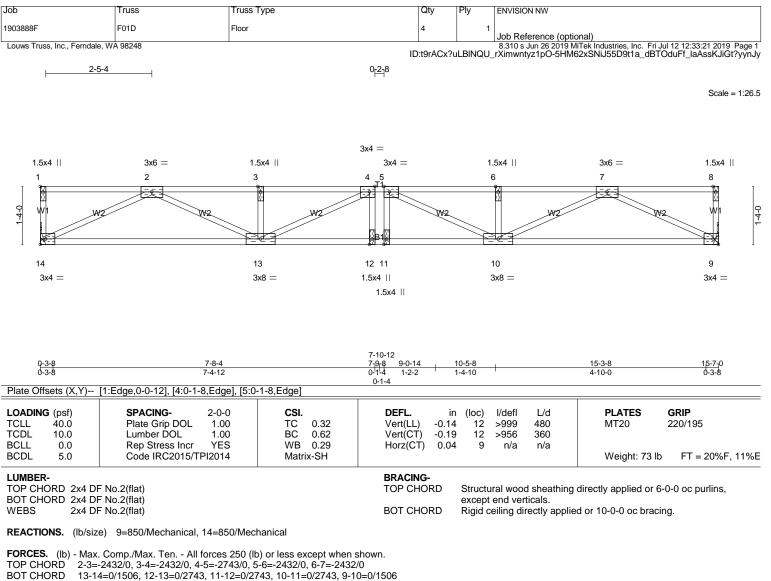
Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard



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WEBS 7-9=-1673/0, 2-14=-1673/0, 7-10=0/1028, 2-13=0/1028, 6-10=-262/0, 3-13=-262/0, 5-10=-501/49, 4-13=-501/49

#### NOTES-

1) Unbalanced floor live loads have been considered for this design.

2) Refer to girder(s) for truss to truss connections.

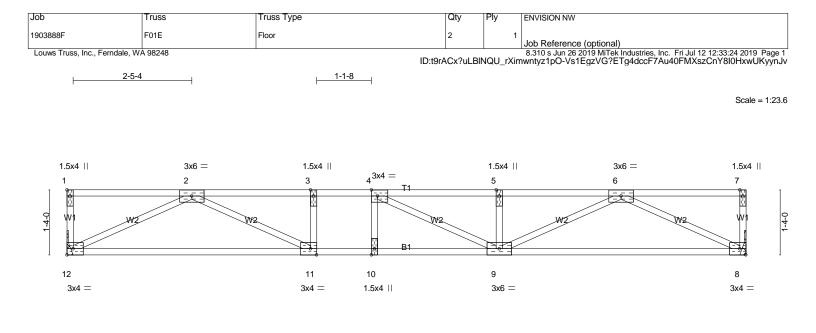
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



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Q-3-8	5-1-8	5-8-4 6-3-0		13-7-12	13-11 <sub>1</sub> -4
0-3-8	4-10-0	0-6-12'0-6-12'		7-4-12	0-3-8
Plate Offsets (X,Y)	[1:Edge,0-0-12], [4:0-1-8,Edge], [11:	0-1-8,Edge]			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.51 BC 0.77 WB 0.25 Matrix-SH	- ( )	9-10         >999         480           9-10         >919         360	<b>GRIP</b> 220/195 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI WEBS 2x4 DI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d except end verticals. Rigid ceiling directly applied	 •

REACTIONS. (lb/size) 8=760/Mechanical, 12=760/Mechanical

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

TOP CHORD 2-3=-2099/0, 3-4=-2099/0, 4-5=-2076/0, 5-6=-2076/0

BOT CHORD 11-12=0/1326, 10-11=0/2099, 9-10=0/2099, 8-9=0/1319

WEBS 6-8=-1465/0, 2-12=-1473/0, 6-9=0/840, 2-11=0/874, 5-9=-301/0, 3-11=-257/0, 4-9=-330/210

#### 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

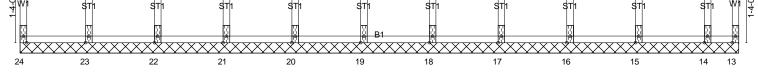
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	ENVISION NW
1903888F	F01G	Floor Supported Gable	1	1	Job Reference (optional)
Louws Truss, Inc., Ferndale, WA	A 98248	ID:t9rAC	x?uLBINQ	U_rXimwr	8.310 S Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:33:26 2019 Page 1 http://www.nyDMARKp0gqTFVLbUbQ1YDyynJt
					Scale = 1:22.3
1 2	3	5 6	7		8 9 10 11 12



0-3-8 0-3-8 Plate Offsets (X,Y)	[1:Edge,0-0-12]		13-7-12 13-4-4		13-11 <sub>7</sub> 4 0-3-8
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.07 BC 0.01 WB 0.02 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES         GRIP           MT20         220/195           Weight: 55 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, d or 10-0-0 oc bracing.

WFBS 2x4 DF No.2(flat) OTHERS 2x4 DF No.2(flat)

REACTIONS. All bearings 13-11-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

#### NOTES-

1) 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	ENVISION NW		
1903888F	F02	Floor Supported Gable	1	1	Job Reference (optional)		
Louws Truss, Inc., Ferndale, W	A 98248		ID:t9rACx?uL	.BINQU_r)	8.310 s Jun 26 2019 MiTek Ir Kimwntyz1pO-spr7jgZPpm5	ndustries, Inc. Fri Jul 12 1 5zBOUZ2gm3n4yLltsE	12:33:29 2019 Page 1 Ss41AZeh9XyynJq
0 <sub>1</sub> 1 <sub>7</sub> 8							0 <sub>]</sub> 18
							Scale: 1/2"=1'
1 2	3 4	5 6	7	8	9	10 11	12
				91 			
25 4 ST1	ST1 ST	1 ST1 ST1	ST1	ST1	ST1	ST1 ST1	
							BL1 7
24 23	22 21	20 19	18	<u> </u>	16	15 14	13
3x4 =							3x4 =

0-3-8 0-3-8 Plate Offsets (X,Y)	[1:Edge,0-0-12], [25:0-1-8,0-0-12], [2	6:0-1-8,0-0-12]	14-3-0 13-11-8		<u>14-6-</u> 8 0-3-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.02 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES         GRIP           MT20         220/195           Weight: 59 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI WEBS 2x4 DI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing of except end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, d or 10-0-0 oc bracing.

OTHERS 2x4 DF No.2(flat)

REACTIONS. All bearings 14-6-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

#### NOTES-

1) 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.

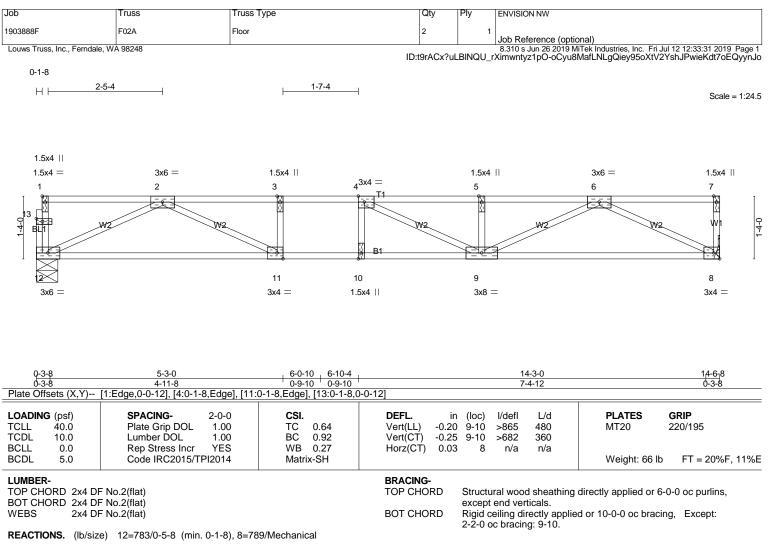
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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

TOP CHORD 2-3=-2260/0, 3-4=-2260/0, 4-5=-2204/0, 5-6=-2204/0

BOT CHORD 11-12=0/1413, 10-11=0/2260, 9-10=0/2260, 8-9=0/1381

WEBS 6-8=-1534/0, 2-12=-1556/0, 6-9=0/914, 2-11=0/969, 5-9=-315/0, 3-11=-295/0, 4-9=-395/188

#### 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard

# Established Basic Permit #

19-03671

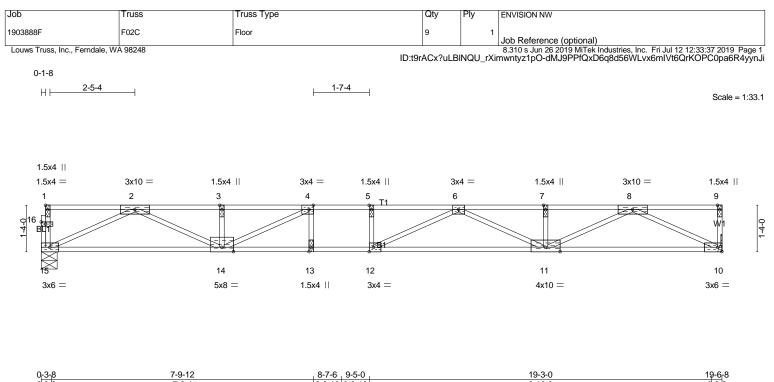
Job	Truss	Truss Type	Qty	Ply ENVISIO	NNW		]
1903888F		Floor	1	1			
Louws Truss, Inc., Ferndale	e, WA 98248			8.310 s .	erence (optional) Jun 26 2019 MiTek Ind	ustries, Inc. Fri Ju	12 12:33:34 2019 Page 1
0-1-8			ID:t9rACx?uLBI	NQU_rXimwntyz1p	oO-Dne0nOdXelkFl	19NXrDMEU7g3	8muTF736mKrMSrlyynJl
H <u>2-4-4</u>	1-2-10 0-0-8 1-2-10	2-4-4 2-5-	4 <u>1-3-12 0</u> -₽-	8			Scale = 1:32.3
1 27 4 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	3x4 = 4x4 = 2 34 5 3x4 = 3x4 =	3x6 = 6 	$3x4 = 3x$ $7 \qquad 89$ $17 \qquad 7$ $17 \qquad 16$ $3x8 = $	×4 =	10 10 14 3x6 =	3x4 = 11	12 W1 13 3x4 =
0-3-8 3	-11-6 -7-14 -7-14 -7-14 -7-14 -0-12 [1:Edge,0-0-12], [4:0-1-8,Edge	<u>11-9-12</u> 6-5-0	aol [20:0.1.8 Edge] [2	$\frac{13-1-6}{1-3-10}$ + $\frac{14-5-6}{1-3-10}$		<u>19-3-0</u> 4-10-0	<u>19-6</u> -8 0-3-8
				2.0-1-0,0-0-12]			
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00			(loc) l/defl 14-15 >999			GRIP 220/195
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES		Vert(CT) -0.10 Horz(CT) 0.01	13-14 >999 13 n/a	360 n/a		
BCDL 5.0	Code IRC2015/TPI2014			15 II/a		Weight: 95 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF			BRACING- TOP CHORD BOT CHORD	except end vert	sheathing directly icals. ectly applied or 6-		
(lb) - Max L	earings 5-5-8 except (jt=length Jplift All uplift 100 lb or less at Grav All reactions 250 lb or les	joint(s) except 21=-135(LC 4)		), 13=643(LC 4)			
TOP CHORD         2-3=           8-9=         8-9=           BOT CHORD         20-2           14-11         20-2           WEBS         2-21	. Comp./Max. Ten All forces 0/633, 3-4=0/633, 4-5=0/1492, -1431/0, 9-10=-1581/0, 10-11= 1=-342/42, 19-20=-633/0, 18-1 5=0/1431, 13-14=0/1079 =-41/382, 4-18=-1187/0, 2-20=	5-6=0/1492, 6-7=-1083/0, 7-8 -1581/0 9=-633/0, 16-17=0/1431, 15- -555/0, 4-19=0/711, 11-13=-1	3=-1083/0, 16=0/1431, 198/0, 6-18=-1705/0,				
NOTES- 1) Unbalanced floor li 2) All plates are 1.5x4 3) Refer to girder(s) fr 4) Provide mechanica at joint 19. 5) This truss is design referenced standar	4=0/558, 6-17=0/1154, 10-14= ive loads have been considere 4 MT20 unless otherwise indica or truss to truss connections. al connection (by others) of trus ned in accordance with the 201 rd ANSI/TPI 1.	d for this design. ated. ss to bearing plate capable of 5 International Residential Co	withstanding 135 lb up ode sections R502.11.1	and R802.10.2	and		

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

# Established Basic Permit #

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0-3-8	7-6-4	'0-9-10'0-9-10'	9-10-0	0-3-8
Plate Offsets (X,Y)	[1:Edge,0-0-12], [4:0-1-8,Edge], [12:	0-1-8,Edge], [16:0-1-8,0-0-12]		
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI.         DEFL.           TC         0.86         Vert(LL)           BC         0.67         Vert(CT)           WB         0.38         Horz(CT)           Matrix-SH         Horz(CT)	in (loc) l/defl L/d -0.37 11-12 >627 480 -0.52 11-12 >443 360 0.07 10 n/a n/a	PLATES         GRIP           MT20         220/195           Weight: 88 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI	( )	BRACING- TOP CHOF	2D Structural wood sheathing di except end verticals.	rectly applied or 2-2-0 oc purlins,

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=1058/0-5-8 (min. 0-1-8), 10=1064/Mechanical

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

TOP CHORD 2-3=-3319/0, 3-4=-3319/0, 4-5=-4191/0, 5-6=-4191/0, 6-7=-3318/0, 7-8=-3318/0

BOT CHORD 14-15=0/1986, 13-14=0/4191, 12-13=0/4191, 11-12=0/4070, 10-11=0/1957

WEBS 8-10=-2173/0, 2-15=-2190/0, 8-11=0/1512, 2-14=0/1481, 3-14=-272/30, 6-11=-835/0, 4-14=-1161/0, 6-12=-233/561

#### NOTES-

WEBS

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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

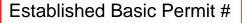
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

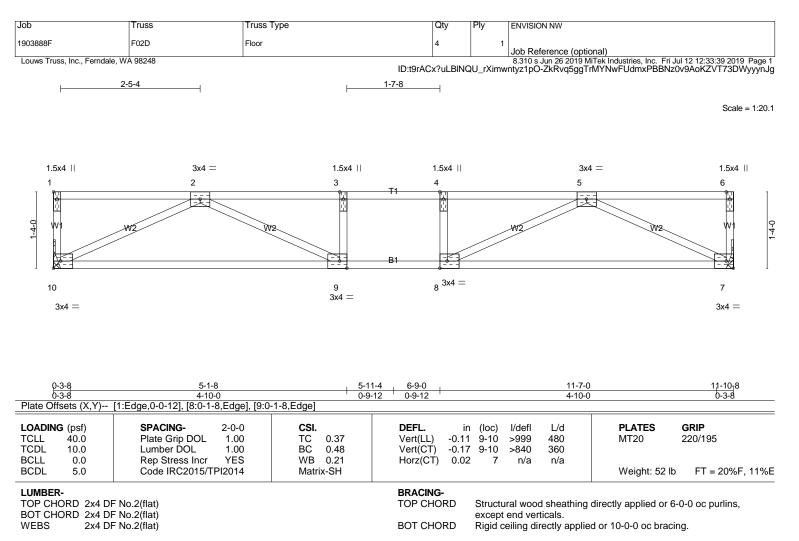
5) CAUTION, Do not erect truss backwards.

2x4 DF No.2(flat)

#### LOAD CASE(S) Standard



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REACTIONS. (lb/size) 7=646/Mechanical, 10=646/Mechanical

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

TOP CHORD 2-3=-1574/0, 3-4=-1574/0, 4-5=-1574/0

BOT CHORD 9-10=0/1088, 8-9=0/1574, 7-8=0/1088

WEBS 5-7=-1208/0, 2-10=-1208/0, 5-8=0/618, 2-9=0/618

#### NOTES-

2) Refer to girder(s) for truss to truss connections.

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

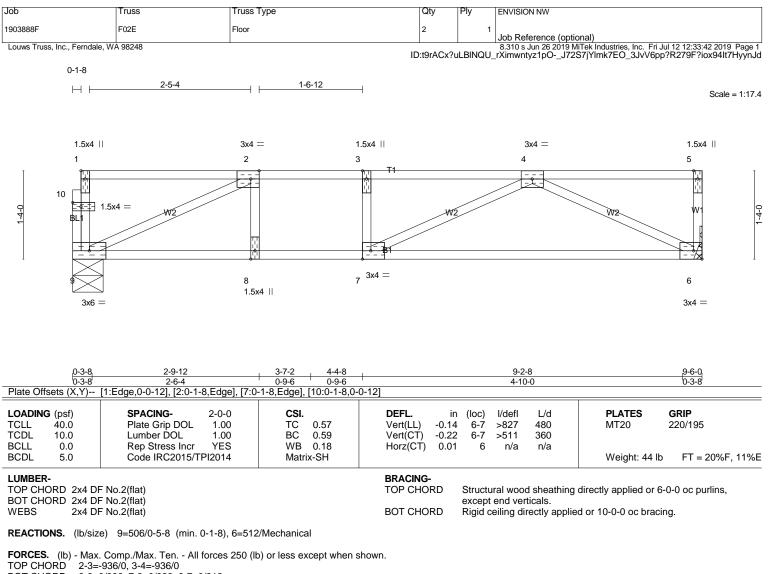
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



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<sup>1)</sup> Unbalanced floor live loads have been considered for this design.



BOT CHORD 8-9=0/936, 7-8=0/936, 6-7=0/812 4-6=-902/0, 2-9=-1025/0, 4-7=0/274

WEBS

#### 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 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

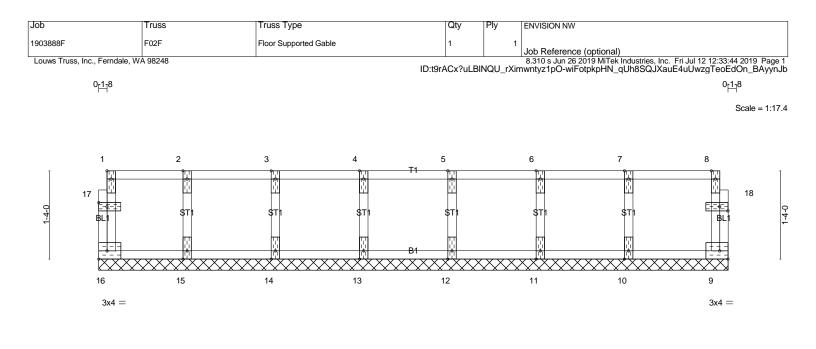
Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard

Established Basic Permit #

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0-3-8 0-3-8			<u>9-2-8</u> 8-11-0			<u>9-6-0</u> 0-3-8
	[1:Edge,0-0-12], [17:0-1-8,0-0-12], [1	8:0-1-8,0-0-12]	0110			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.07 BC 0.01 WB 0.02 Matrix-R	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n - n/a 999 n - n/a 999	<b>PLATES</b> MT20 Weight: 40 lb	<b>GRIP</b> 220/195 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie		•

#### REACTIONS. All bearings 9-6-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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.

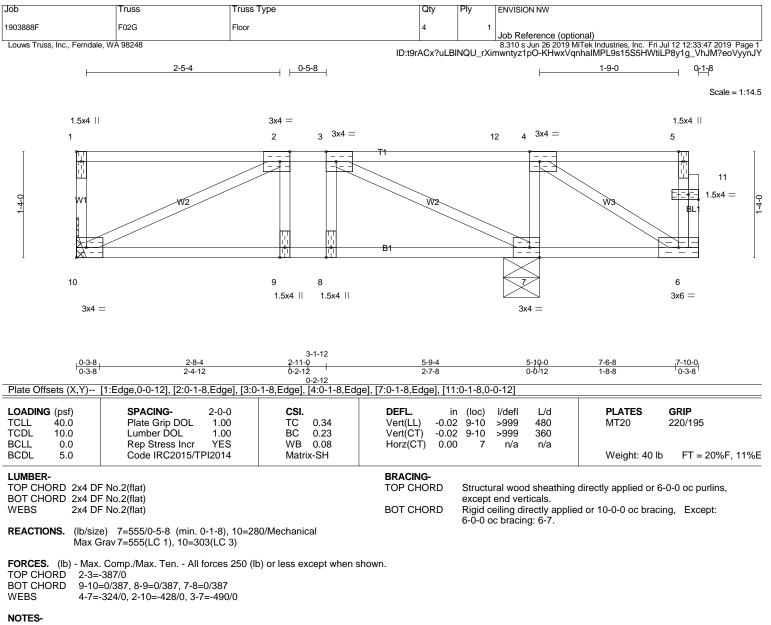
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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1) Unbalanced floor live loads have been considered for this design.

2) Refer to girder(s) for truss to truss connections.

 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

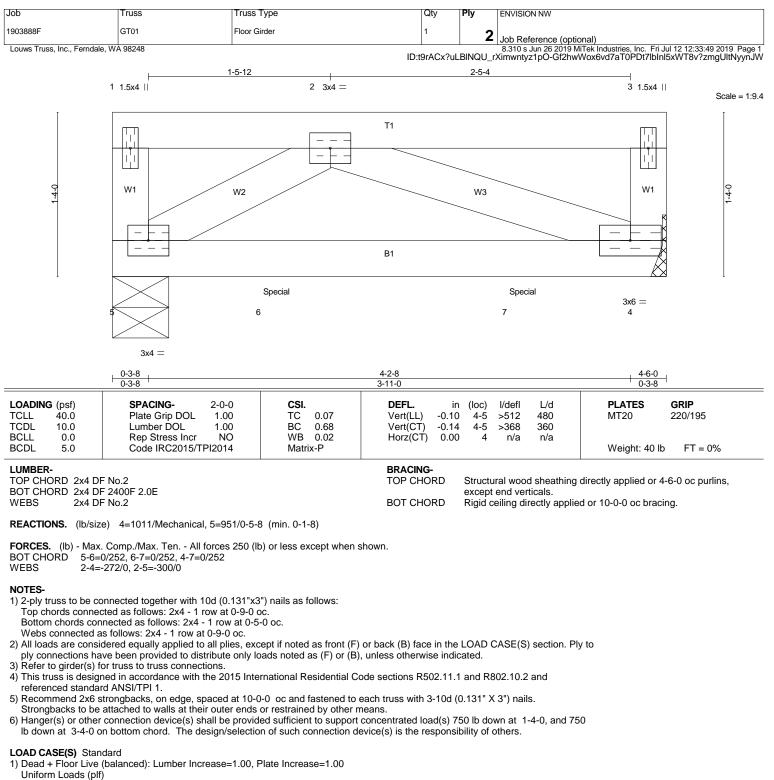
Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards.

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LOAD CASE(S) Standard

# Established Basic Permit #

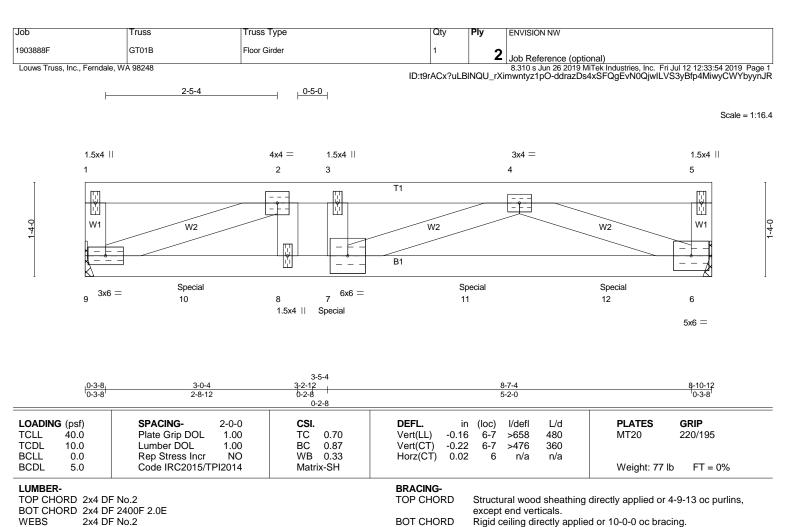
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Uniform Loads (plf) Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb) Vert: 6=-750(F) 7=-750(F)

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**REACTIONS.** (lb/size) 6=2182/Mechanical, 9=2125/Mechanical

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

TOP CHORD 2-3=-4771/0, 3-4=-4771/0, 4-5=-580/0

BOT CHORD 9-10=0/4771, 8-10=0/4771, 7-8=0/4771, 7-11=0/3301, 11-12=0/3301, 6-12=0/3301

WEBS 4-6=-2934/0, 2-9=-4924/0, 4-7=0/1720, 2-8=0/486, 3-7=0/1197

#### NOTES-

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

4) Refer to girder(s) for truss to truss connections.

5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 840 lb down at 1-6-0, 840 lb down at 3-6-0, and 840 lb down at 5-6-0, and 840 lb down at 7-6-0 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: 6-9=-10, 1-5=-100

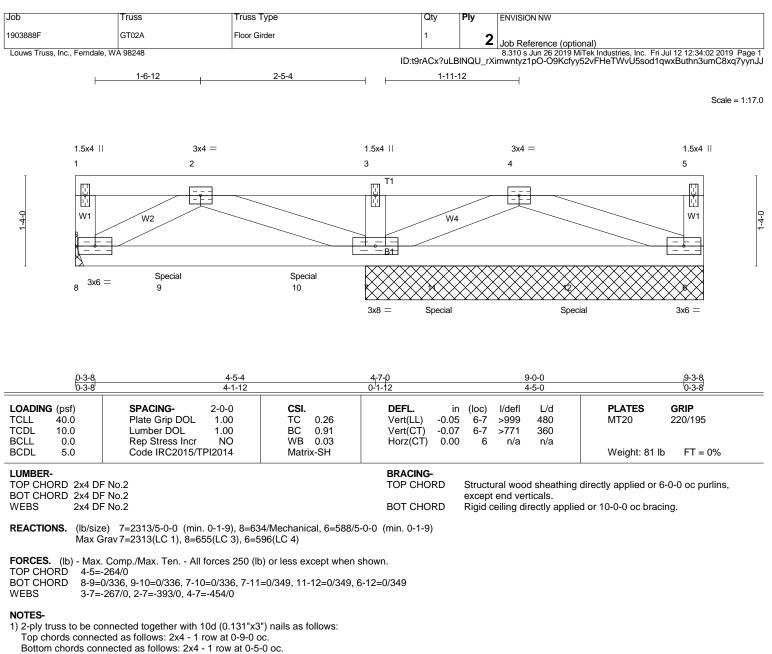
Concentrated Loads (lb)

Vert: 7=-840(B) 10=-840(B) 11=-840(B) 12=-840(B)

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<sup>1) 2-</sup>ply truss to be connected together with 10d (0.131"x3") nails as follows:



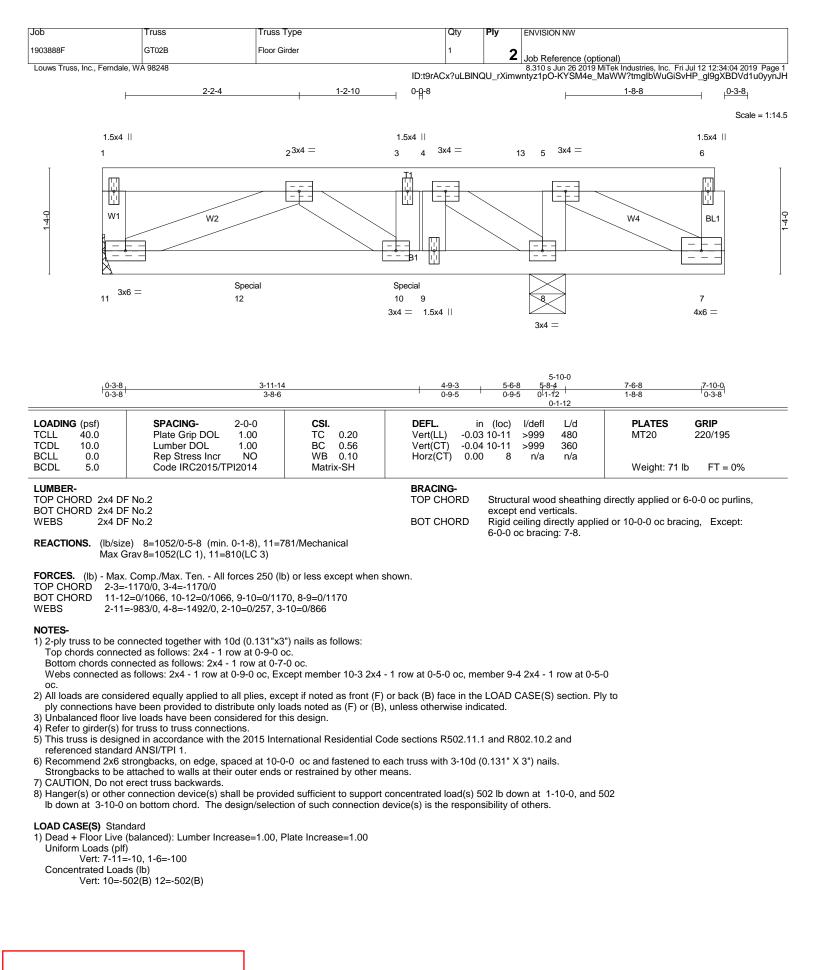
- Webs connected as follows: 2x4 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 636 lb down at 1-4-8, 636 lb down at 3-4-8, and 636 lb down at 5-4-8, and 636 lb down at 7-4-8 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: 6-8=-10, 1-5=-100 Concentrated Loads (lb)
  - Vert: 9=-636(F) 10=-636(F) 11=-636(F) 12=-636(F)

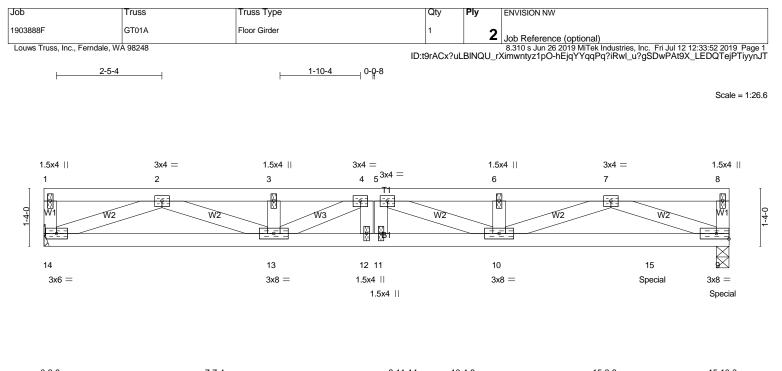
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0-3-8 0-3-8	7-7-4 7-3-12		8-11-14	10-4-8 1-4-10		15-6-8 5-2-0	<u>15-10</u> -0 0-3-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.42 BC 0.75 WB 0.18 Matrix-SH	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.13 9-10 -0.18 9-10 0.03 9	>999 360	<b>PLATES</b> MT20 Weight: 138	<b>GRIP</b> 220/195 i lb FT = 0%
LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI			BRACING TOP CHC	RD Struct	ural wood sheathing of the state of the stat	directly applied or	6-0-0 oc purlins,

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

WEBS 2x4 DF No.2

REACTIONS. (lb/size) 9=3928/0-3-8 (min. 0-2-2), 14=959/Mechanical

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

2-3=-3284/0, 3-4=-3284/0, 4-5=-3824/0, 5-6=-4127/0, 6-7=-4127/0, 7-8=-440/0 TOP CHORD

BOT CHORD  $13-14=0/2016,\ 12-13=0/3824,\ 11-12=0/3824,\ 10-11=0/3824,\ 10-15=0/2604,\ 9-15=0/2604$ 

WEBS 7-9=-2333/0, 2-14=-2089/0, 7-10=0/1642, 2-13=0/1367, 5-10=0/739, 4-13=-752/0, 4-12=0/402, 5-11=-561/0

NOTES

1) Special connection required to distribute bottom chord loads equally between all plies.

2) 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.

- 3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 4) Unbalanced floor live loads have been considered for this design.
- 5) Refer to girder(s) for truss to truss connections.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1001 lb down at 14-0-12, and 2177 lb down at 15-8-4 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: 9-14=-10, 1-8=-100 Concentrated Loads (lb)

Vert: 9=-2177(F) 15=-1001(B)

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Job	Truss	Truss Type	9	Qty	Ply	ENVISION NW		
1903888F	GT01C	Floor Girder		1	2		ional)	
Louws Truss, Inc., Fer	mdale, WA 98248	I	I	D:t9rACx?uLBIN		8.310 s Jun 26 2019 l	AiTek Industries, Inc. Fri	Jul 12 12:33:57 2019 Page 1 SACQ0Pv9cwQA9wyynJO
	2-5-4		Q-5-4				<u>⊢</u> 2	2-8-12 0-3-8
								Scale = 1:32.6
1.5x4 Ⅱ 1	3x6 = 2	1.5x4    3	3x4 = 1.5x4    4 5	5x6 = 6		1.5x4    7	3x10 = 8	2x4    9
		——————————————————————————————————————					т <u>2</u>	
1-4-0					$\langle \rangle$			W3 BL -+-
	B1				B2			
15		14	13 12			11	16	
4x6 =		8x12 =	2x4    3x4 =			4x12 =	Special	5x8 =
			8-7-8					
0 <u>-3-8</u> 0-3-8		-2-4 10-12	<u>8-4-14</u> 0-2-10 0-2-10			<u>19-3-0</u> 10-7-8		<u>19-6-</u> 8 0-3-8
Plate Offsets (X,Y	() [6:0-3-0,0-3-0], [14	0-5-8,0-4-8]	0-2-10				T	
LOADING (psf)	SPACING-	2-0-0			(loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip D Lumber DOL	1.00	BC 0.86 V	/ert(CT) -0.46	11-12 11-12	>688 480 >503 360	MT20	220/195
BCLL 0.0 BCDL 5.0	Rep Stress II Code IRC20		WB 0.47 H Matrix-SH	lorz(CT) 0.05	5 10	n/a n/a	Weight: 194	lb FT = 0%
WEBS 2x4	6 DF No.2 *Except* 1: 2x6 DF 2400F 2.0E 4 DF No.2 0/size) 10=2769/0-5-8	(min 0-1-8) 15-144		OT CHORD		end verticals. eiling directly applie	ed or 10-0-0 oc brac	ing.
,	,							
TOP CHORD 2	2-3=-5891/0, 3-4=-5891/		r less except when shown. -8052/0, 6-7=-10151/0, 7-8	=-10151/0,				
BOT CHORD 1			, 11-12=0/9657, 11-16=0/61		142			
	3-10=-5727/0, 2-15=-34 5-12=-2097/0, 4-13=0/6		-14=0/2666, 6-11=0/919, 4-	14=-2372/0,				
NOTES-								
	e connected together w nnected as follows: 2x4		ails as follows:					
	connected as follows: 2 ed as follows: 2x4 - 1 ro		ed at 0-4-0 oc.					
2) All loads are co	onsidered equally applie	ed to all plies, except	if noted as front (F) or back s noted as (F) or (B), unless	(B) face in the	LOAD (	CASE(S) section. P	ly to	
3) Unbalanced flo	oor live loads have beer	considered for this			Juliu.			
5) This truss is de			tional Residential Code sec	tions R502.11.	1 and R8	802.10.2 and		
6) Recommend 2			oc and fastened to each tru	iss with 3-10d (	0.131" X	3") nails.		
	<ul> <li>be attached to walls a not erect truss backwar</li> </ul>		estrained by other means.					
			sufficient to support concent vice(s) is the responsibility (		115 lb d	own at 15-8-8 on		
LOAD CASE(S) ( 1) Dead + Floor L	Standard Live (balanced): Lumber							
	0-15=-10, 1-9=-100							
Concentrated L Vert: 1	Loads (lb) 6=-2115(B)							
tablished	Basic Perm	it#						

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Job	Truss	Truss Type	Qty	Ply ENVISION NW		
1903888F Louws Truss, Inc., Ferndale, WA	GT02	Floor Girder	1	2 Job Reference (option	onal) iTek Industries, Inc., Fri	lul 12 12:33:59 2019, Page 1
0-3-8	30240		ID:t9rACx?uLE	8.310 s Jun 26 2019 M BINQU_rXimwntyz1pObfT0xw	/DI_tin?nKozI5?PCO	)zyZUMAS4EvGDoyynJM
⊢ <u>2-5-4</u>		Q-5-4				Scale = 1:32.5
						Scale = 1.52.5
3x4 =						
1.5x4    1	3x6 = 1.5 2 3	x4      3x4 = 1.5x4   4   5	4    3x4 = 6	1.5x4    7	3x6 = 8	1.5x4    9
			BI			<u>−4-</u>
	14			11		<u>/</u> 1 10
4x12 =		4 16 13 12 8 = Special 1.5x4    3x	4 =	3x10 =		3x6 =
0-3-8 0-3-8	<u>8-5-12</u> 8-2-4	8-11-0 <u>8<sub>7</sub>8<sub>1</sub>6</u> 0-2-10		<u>19-3-0</u>		<u>19-6</u> 78 0-3-8
Plate Offsets (X,Y) [1:0	-	0-2-10		10-4-0		0-3-8
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	D BC 0.63	Vert(LL) -0.27 Vert(CT) -0.37	13 >627 360	MT20	220/195
BCLL 0.0 BCDL 5.0	Rep Stress Incr NC Code IRC2015/TPI2014		Horz(CT) 0.05	10 n/a n/a	Weight: 168	lb FT = 0%
LUMBER- TOP CHORD 2x4 DF No	. 0		BRACING- TOP CHORD	Structural wood shoothing	directly applied or y	
BOT CHORD 2x4 DF No BOT CHORD 2x4 DF 24 WEBS 2x4 DF No	00F 2.0E		BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie		•
	,. <u>~</u> 15=1451/0-5-8 (min. 0-1-	8) 10=1295/Mechanical				ing.
	x	250 (lb) or less except when	shown.			
TOP CHORD 2-3=-585	5/0, 3-4=-5855/0, 4-5=-71	64/0, 5-6=-7164/0, 6-7=-4910 6=0/7164, 12-13=0/7164, 11-	/0, 7-8=-4910/0	328		
	943/0, 2-15=-3478/0, 8-11= 558, 5-12=-379/0	=0/2245, 2-14=0/2676, 3-14=-	328/0, 6-11=-1552/0, 4	-14=-1546/0, 6-12=0/1297,		
NOTES-						
Top chords connected	ected together with 10d (0. as follows: 2x4 - 1 row at	0-7-0 oc.				
Webs connected as fol	ted as follows: 2x4 - 1 row llows: 2x4 - 1 row at 0-9-0	OC.				
ply connections have b	een provided to distribute	es, except if noted as front (F) only loads noted as (F) or (B)			y to	
4) Refer to girder(s) for tr		a for this design. 15 International Residential C	ada agationa PEO2 11 1	and P902 10 2 and		
referenced standard Al	NSI/TPI 1.	at 10-0-0 oc and fastened to				
	ched to walls at their oute	r ends or restrained by other r		0.131 × 3 ) Italis.		
8) Hanger(s) or other con	nection device(s) shall be	provided sufficient to support device(s) is the responsibility		45 lb down at 7-6-8 on botto	om	
LOAD CASE(S) Standard						
1) Dead + Floor Live (bala Uniform Loads (plf)	anced): Lumber Increase=	1.00, Plate Increase=1.00				
Vert: 10-15=-10 Concentrated Loads (It	b)					
Vert: 16=-645(I	В)					

Established Basic Permit #

19-03671

Job	Truss	Truss Type	9		Qty	Ply	ENVISION NW		
1903888F	GT02C	Floor Girder			1	2	Job Reference (or	ntional)	
Louws Truss, Inc., Ferr	ndale, WA 98248			ID:	9rACx?u		8.310 s Jun 26 2019	MiTek Industries, Inc. Fri /ig0EtRuakEOtGfSzK5X	Jul 12 12:34:07 2019 Page (kACh?M_JdvTriVKyynJ
0-3-8									
	2-5-4   1-4-8					F	1-2-8		Scale = 1:32
3x4 =									
1.5x4 ∣∣	$_{3x4} =$	3x4 =	1.5x4	3x6 =		1.5x4		3x4 =	1.5x4
1		3	4 	5 T1		6	<del>7</del>	8	9
	W2	W2	W.		W2			W2	₩2₩1
				- B1					
	15	4	R S	17	18	12	19 11	20 21	10
4x12 =		5x4	3x8 =	Special	Special			Special Speci	
0-3-8	3-3-12 4-0-0 4-8-4	7-6-12		12-10-8		13.	14-1-0 5-12	19-3-0	19-6 <sub>1</sub> 8
0-3-8	<u>3-0-4</u> () [1:0-2-0,0-1-0]	2-10-8		5-3-12			7-4 0-7-4	5-2-0	0-3-8
<b>x</b> - <sup>1</sup>		2.0.0	CSI.	DEFL.		(100)	l/defl L/d	DIATES	GRIP
LOADING (psf) TCLL 40.0	SPACING- Plate Grip DOL	2-0-0 1.00	TC 0.42	Vert(LL)	-0.11	n (loc) I 12-13	>999 480	PLATES MT20	220/195
TCDL 10.0 BCLL 0.0	Lumber DOL Rep Stress Incr	1.00 NO	BC 0.59 WB 0.28	Vert(CT Horz(C1	,	12-13 1 10	>991 360 n/a n/a		
BCDL 5.0	Code IRC2015/	FPI2014	Matrix-SH					Weight: 163	lb FT = 0%
LUMBER- TOP CHORD 2x4				BRACIN TOP CH	-	Structu	ral wood choothin	ig directly applied or 6	
BOT CHORD 2x4	4 DF 2400F 2.0E					except	end verticals.		
WEBS 2x4	4 DF No.2			BOT CH	ORD	Rigid c	eiling directly app	lied or 6-0-0 oc bracin	g.
	/size) 16=76/0-5-8 (min. ax Uplift16=-197(LC 4)	0-1-8), 13=2704/	0-3-8 (min. 0-1-8	), 10=1294/Mech	anical				
	ax Grav 16=153(LC 3), 13=	=2704(LC 1), 10=1	1304(LC 4)						
	/lax. Comp./Max. Ten Al								
	-3=0/939, 3-4=0/1643, 4-5 5-16=-939/0, 14-15=-939/				8=0/152	26,			
	12-19=0/3869, 11-19=0/38 -13=-265/0, 2-16=0/1062,				/1678,				
	-12=0/2576	,	,	,	,				
NOTES-		40-1 (0.404"	alla aa fallawa						
Top chords cor	e connected together with nnected as follows: 2x4 - 1	row at 0-9-0 oc.							
	connected as follows: 2x4 ed as follows: 2x4 - 1 row a		)C.						
<ol> <li>All loads are constraints</li> </ol>	onsidered equally applied t s have been provided to di	o all plies, except stribute only loads	if noted as front ( s noted as (F) or (	F) or back (B) fac B) unless otherv	ce in the	LOAD C	ASE(S) section.	Ply to	
3) Unbalanced flo	or live loads have been co s) for truss to truss conne	onsidered for this of							
5) Provide mecha	nical connection (by other	s) of truss to bear							
referenced star	signed in accordance with ndard ANSI/TPI 1.								
	x6 strongbacks, on edge, s be attached to walls at the				3-10d (	0.131" X	3") nails.		
8) CAUTION, Do	not erect truss backwards. her connection device(s) s				ad(e) 8	00 lb dov	vn at 9.7.8 293	b	
down at 11-7-1	12, 293 lb down at 13-7-1	2, and 293 lb dow	n at 15-7-12, and						
0	n of such connection devi	ce(s) is the respor	isibility of others.						
LOAD CASE(S) S 1) Dead + Floor L	Standard ive (balanced): Lumber In	crease=1.00, Plat	e Increase=1.00						
Uniform Loads		,							
von. n									
Continued on page									
stablished	Basic Permit	#							
100	10074								
19-0	)3671		_						
			Permit Nu	mber: 20-	04899	9			

ſ	Job	Truss	Truss Type	Qty	Ply	ENVISION NW
	1903888F	GT02C	Floor Girder	1	2	Job Reference (optional)
L	Louws Truss, Inc., Ferndale, WA	A 98248	ID:	t9rACx?ul	LBINQU_	8.310 s Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:34:07 2019 Page 2 rXimwntyz1pO-I77Vig0EtRuakE0tGfSzK5XkACh?M_JdvTriVKyynJE

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 17=-800(B) 18=-293(B) 19=-293(B) 20=-293(B) 21=-293(B)

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