GE: LEFT

****VERIFY ALL PLUMBING DROP LOCATIONS BEFORE FINAL PLACEMENT OF TRUSSES. **DO NOT SPACE TRUSSES MORE THAN 16" O.C.****

LOADING:
T.C. LL = 40 PSF
T.C. DL = 10 PSF
B.C. DL = 10 PSF

TOTAL LOAD: 60 PSF

2015 IRC CODE

LAY-OUT DIMENSIONS:
FEET - INCHES - SIXTEENTHS
(6'-7 3/4" = 6-7-12)
DRAWING IS NOT TO SCALE

CAUTION: DO NOT CUT, DRILL OR ALTER ANY TRUSSES WITHOUT PRIOR APPROVAL FROM ROOF TRUSS SUPPLY, INC.

NOTES:

1.) ALL FLOOR TRUSSES SHALL BE 18" DEEP SPACED AT 16" O.C. UNLESS NOTED OTHERWISE.

2.) ---- INDICATES (2X6) CONTINUOUS LATERAL/IMPACT BRACING W/TRUSSED BLOCKING PANELS SHOWN AS "X" . (SEE TRUSS ENGINEERING FOR LOCATION) (SEE DETAIL)

3.) INTERIOR BEARING / SHEAR WALL. (DESIGNED BY OTHERS) INSTALL SHEAR OR BLOCKING PANELS BETWEEN TRUSSES AS SHOWN.

4.) %% ALIGN (2X) CRIPPLE STUDS UNDER WINDOW TRIMMERS OR GIRDER TRUSS ABOVE. ATTACH TO (2X) CONTINUOUS RIBBON OR INSERT BETWEEN TRUSS TOP AND BOTTOM CHORDS. WHERE TRIMMERS AND GIRDER TRUSSES ALIGN W/TRUSS BELOW, INSTALL (1) CRIPPLE STUD TO EACH FACE OF TRUSS AS SHOWN. (SEE STRUCTURAL FRAMING PLAN FOR LOCATION) (CRIPPLE STUDS SHALL BE INSTALLED & PROVIDED BY FRAMER) %%

NOTES (CONT.)

5.) INSTALL (2) 2x6x18" CRIPPLE STUDS TO ALIGN UNDER GIRDER TRUSS ABOVE. FLUSH TIGHT TO TOP OF BEARING WALL AND UNDERSIDE OF FLOOR DIAPHRAGM. (MUST BE INSTALLED BY FRAMER!!)

6.) (2X4) CONTINOUS RIBBON TO TOP AND BOTTOM AT EXTERIOR BEARING/SHEAR WALL. (SEE STRUCTURAL FRAMING PLAN)

7.) (2x4) CONTINOUS RIBBON TO TOP AND BOTTOM OF TRUSS AT END OF CANTILEAVER. (SEE STRUCTURAL FRAMING PLAN)
8.) (6x) DROP BEAM. (DESIGNED BY OTHERS...SEE STRUCTURAL PLAN)

9.) (3-1/2") FLUSH GLU-LAM BEAM (DESIGNED BY OTHERS...(SEE STRUCTURAL PLAN)

10.) 0'-8" FOUNDATION WALL WITH (1-1/2" x 8") P.T. TOP PLATE. P.T. TOP PLATE MUST BE FULL WIDTH OF FOUNDATION WALL!! HANG TRUSSES FROM FOUNDATION WALL.

FLOOR LAY-OUT LEGEND:

SYMBOL	DESCRIPTION
▲	**LEFT END OF TRUSS** *(**DO NOT INSTALL TRUSSES IN REVERSE OR UPSIDE DOWN. SEE TRUSS ENGINEERING FOR CORRECT TRUSS PLACEMENT)*
$$	**TRUSS LAY-OUT SHIFTED** *(TRUSS LAY-OUT SHIFTED TO AVOID PLUMBING DROPS. **DO NOT CUT, DRILL OR ALTER ANY TRUSSES WITHOUT PRIOR APPROVAL FROM RTS)*
##	**ADDITIONAL TRUSS ADDED** *(**ADDITIONAL FLOOR TRUSS ADDED TO AVOID "OVERSPACING" OF SUBFLOOR)*

= RAISED FOUNDATION WALL (SEE NOTE "10")

= AREA FIELD FRAMED BY OTHERS

INSTALLATION NOTE:

DO NOT INSTALL TRUSSES IN REVERSE OR "UP-SIDE-DOWN"!! SEE TRUSS ENGINEERING FOR PROPER INSTALLATION. ALIGN INTERIOR BEARING AS SHOWN ON ENGINEERING DRAWINGS.

NOTE: ALL HANGER NAILS MUST BE 16d SINKER (3-1/4" LONG)....TYP. UNLESS NOTED OTHERWISE

QTY	TYPE	SYMBOL
64	THA422	①
9	HUS46	②
1	HUC46	③
4	THAC422	④
10	MIT48	⑤
1	THA222-2	⑥
1	HGUS26-2	⑦

MULHERN+KULP
STRUCTURAL ENGINEERING

SUBMITTAL #: ☒1 ☐2 ☐3 ☐4

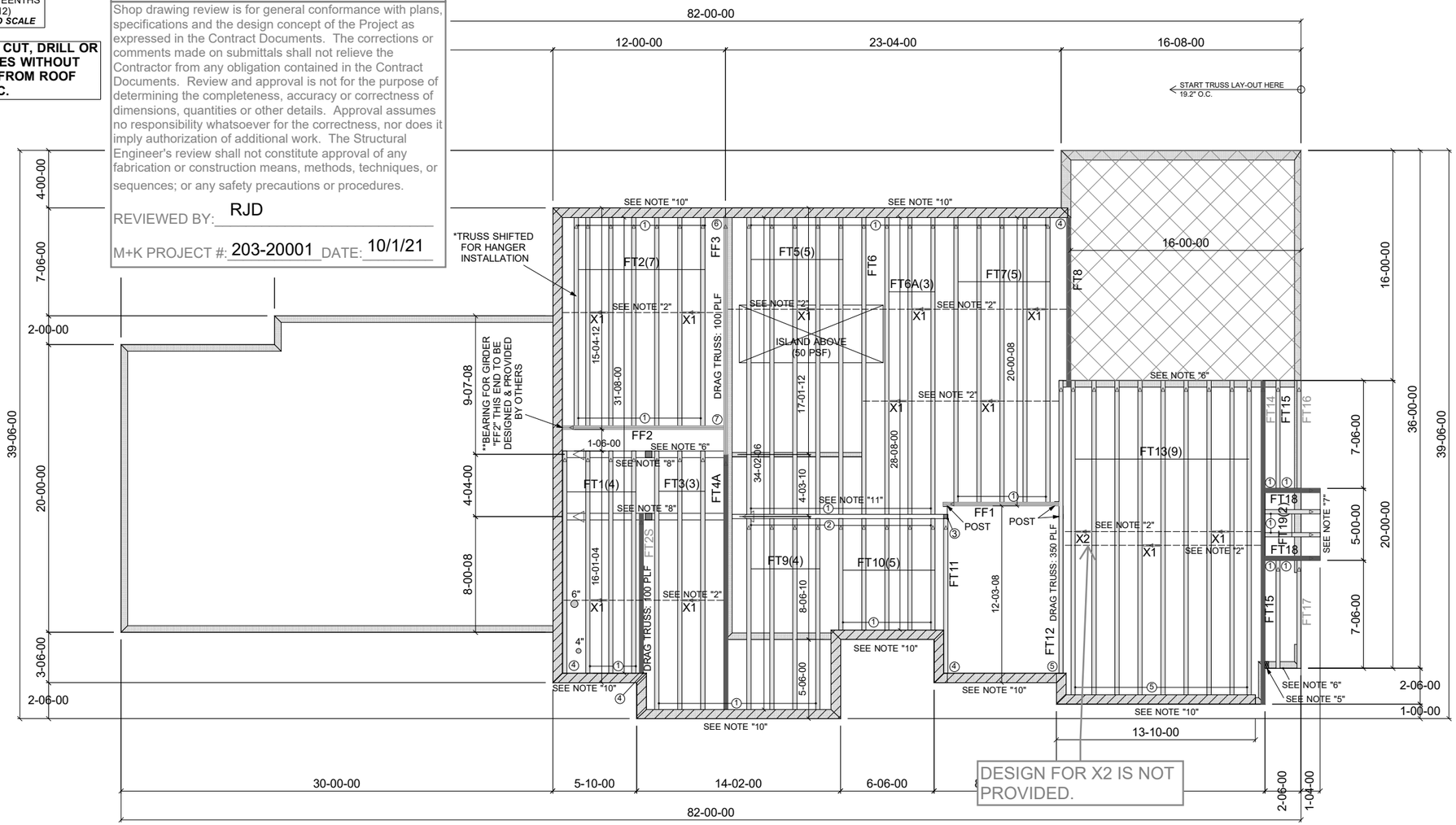
☐ NO EXCEPTIONS TAKEN ☐ REVISE AND RESUBMIT
☒ APPROVED AS NOTED ☐ REJECTED - RESUBMIT
☐ REVIEWED ONLY ☐ NOT REVIEWED

☐ RESUBMIT FOR RECORD ☐ TYPICAL - U.N.O.
☐ FOR RECORD ☐ _____

Shop drawing review is for general conformance with plans, specifications and the design concept of the Project as expressed in the Contract Documents. The corrections or comments made on submittals shall not relieve the Contractor from any obligation contained in the Contract Documents. Review and approval is not for the purpose of determining the completeness, accuracy or correctness of dimensions, quantities or other details. Approval assumes no responsibility whatsoever for the correctness, nor does it imply authorization of additional work. The Structural Engineer's review shall not constitute approval of any fabrication or construction means, methods, techniques, or sequences; or any safety precautions or procedures.

REVIEWED BY: RJD

M+K PROJECT #: 203-20001 DATE: 10/1/21



Job #: J-21-01725-A		Issue Date: 7/1/2021	Above plan provided for truss placement only. Refer to truss calculations and engineering structural drawings for all futher information. Building designer/ engineer of record are responsible for all non truss to truss connections. Building designer/engineer of record to review and approve all designs prior to construction.
Customer: HBG			
Project: HIGHLAND BUILDERS	Revision-2 / /		
Plan: GAR LEFT LOT 2	Revision-3 / /		
Delivery:		Drawn By:	

RTS
ROOF TRUSS SUPPLY, INC.

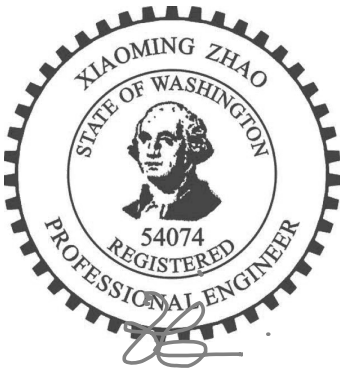
MiTek USA, Inc.
250 Klug Circle
Corona, CA 92880
951-245-9525

Re: J-21-01725-A
HBG-LOT 2

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Roof Truss Supply.

Pages or sheets covered by this seal: K10366920 thru K10366944

My license renewal date for the state of Washington is September 28, 2023.



September 27,2021

Zhao, Xiaoming

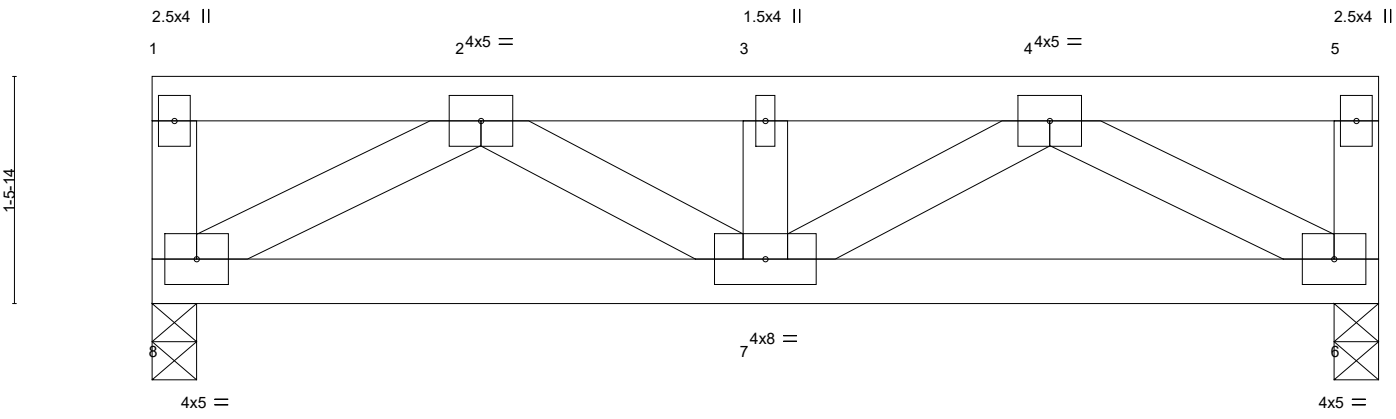
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FF1	FLOOR	1	2	K10366920
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:25 2021 Page 1
ID:49MjCVuD74jFLC0rXMNHlnztALX-BCE_orxy4ZxE9W5pRG9OQolmYtfVJ3jkubN5PCyZPDO

2-1-14 | 4-0-4 | 5-10-10 | 8-0-8
2-1-14 | 1-10-6 | 1-10-6 | 2-1-14

Scale = 1:15.1



4-0-4 | 8-0-8
4-0-4 | 4-0-4

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	0.33	Vert(LL)	-0.04	7	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.06	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Grav 8=2528(LC 1), 6=2528(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-615/0, 2-3=-4093/0, 3-4=-4093/0, 5-6=-615/0
BOT CHORD 7-8=0/3228, 6-7=0/3228
WEBS 2-8=-3601/0, 2-7=0/1029, 3-7=-1098/0, 4-7=0/1029, 4-6=-3601/0

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 0-3-0 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) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Girder carries tie-in span(s): 20-0-8 from 0-0-0 to 8-0-8
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: 1-5=-632(F=-533), 6-8=-20

September 27,2021

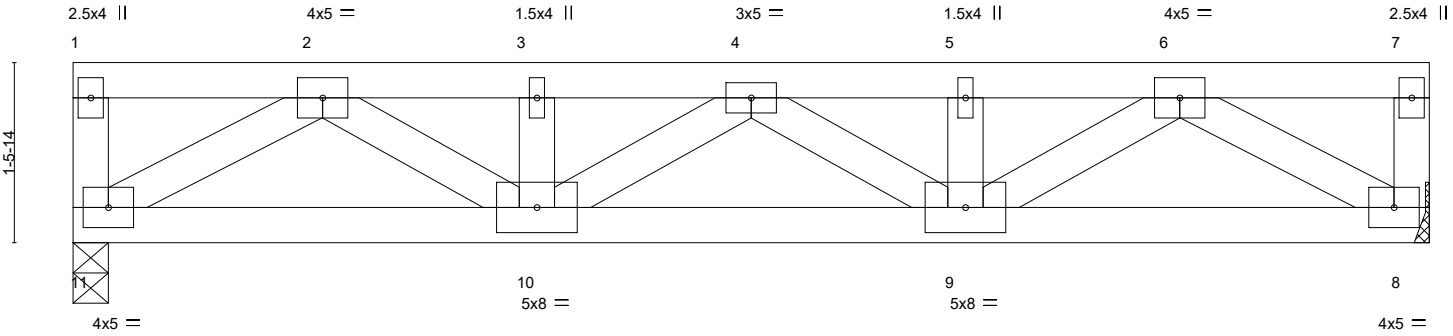
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FF2	FLOOR	1	2	K10366921
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:27 2021 Page 1
ID:49MjCVuD74jFLC0rXMNHlnztALX-7bLkDXyCcABxPqFCZhBsVDr7LhDsnuZ1LvsCU5yZPDM

2-0-12	3-10-0	5-7-5	7-4-9	9-1-13	11-2-9
2-0-12	1-9-4	1-9-4	1-9-4	1-9-4	2-0-12

Scale = 1:19.1



3-10-0	7-4-9	11-2-9
3-10-0	3-6-8	3-10-0

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	0.31	Vert(LL)	-0.10	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.14	9-10	>913	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.66	Horz(CT)	-0.04	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 87 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF Stud/Std

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

REACTIONS. (size) 11=0-3-8, 8=Mechanical
Max Grav 11=2679(LC 1), 8=2679(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-459/0, 2-3=-5426/0, 3-4=-5426/0, 4-5=-5426/0, 5-6=-5426/0, 7-8=-459/0
BOT CHORD 10-11=0/3563, 9-10=0/6061, 8-9=0/3563
WEBS 2-11=-4062/0, 2-10=0/2249, 3-10=-789/0, 4-10=-766/0, 4-9=-766/0, 5-9=-789/0, 6-9=0/2249, 6-8=-4062/0

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 0-4-0 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) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
6) Girder carries tie-in span(s): 14-5-12 from 0-0-0 to 11-2-9
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-471(F=-371), 8-11=-20

September 27,2021

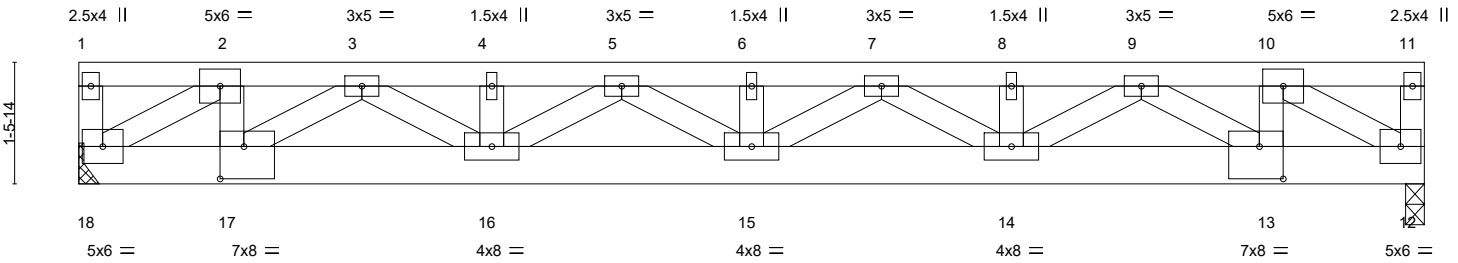
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FF3	FLOOR	1	2	K10366922
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:28 2021 Page 1
ID:49MjCVuD74jFLC0rXMNHlnztALX-bnv6QtzqNUJo0_qO6Oj52QNFX4dPWJmBaZcl0XyZPDL

1-10-8	3-5-9	5-0-11	6-7-13	8-2-14	9-9-15	11-5-1	13-0-2	14-7-4	16-5-12
1-10-8	1-7-2	1-7-2	1-7-2	1-7-2	1-7-1	1-7-1	1-7-2	1-7-2	1-10-8

Scale = 1:28.2



1-10-8	5-0-11	8-2-14	11-5-1	14-7-4	16-5-12
1-10-8	3-2-3	3-2-3	3-2-3	3-2-3	1-10-8

Plate Offsets (X,Y)-- [13:0-3-8,0-4-12], [17:0-3-8,0-4-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.13	15	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.20	14-15	>970	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 HF No.2
BOT CHORD 2x6 HF No.2
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 18=Mechanical, 12=0-2-12
Max Grav 18=1063(LC 1), 12=3169(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1451/0, 3-4=-3484/0, 4-5=-3484/0, 5-6=-4658/0, 6-7=-4658/0, 7-8=-5078/0, 8-9=-5078/0, 9-10=-4311/0, 10-11=-304/108
BOT CHORD 17-18=0/1451, 16-17=0/2578, 15-16=0/4207, 14-15=0/5015, 13-14=0/4862, 12-13=0/4311
WEBS 2-18=-1644/0, 2-17=0/779, 3-17=-1376/0, 3-16=0/1107, 5-16=-883/0, 5-15=-33/608, 7-15=-505/92, 9-14=-110/370, 9-13=-704/28, 10-13=0/2690, 10-12=-4872/0

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 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) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) Plates checked for a plus or minus 20 degree rotation about its center.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
8) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 16-5-12 for 100.0 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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2679 lb down at 14-7-4 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: 1-11=-80, 12-18=-16

September 27,2021

Continued on page 2

MiTek
250 Klug Circle
Corona, CA 92880

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-2679(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT1	Floor	4	1	K10366923
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:29 2021 Page 1
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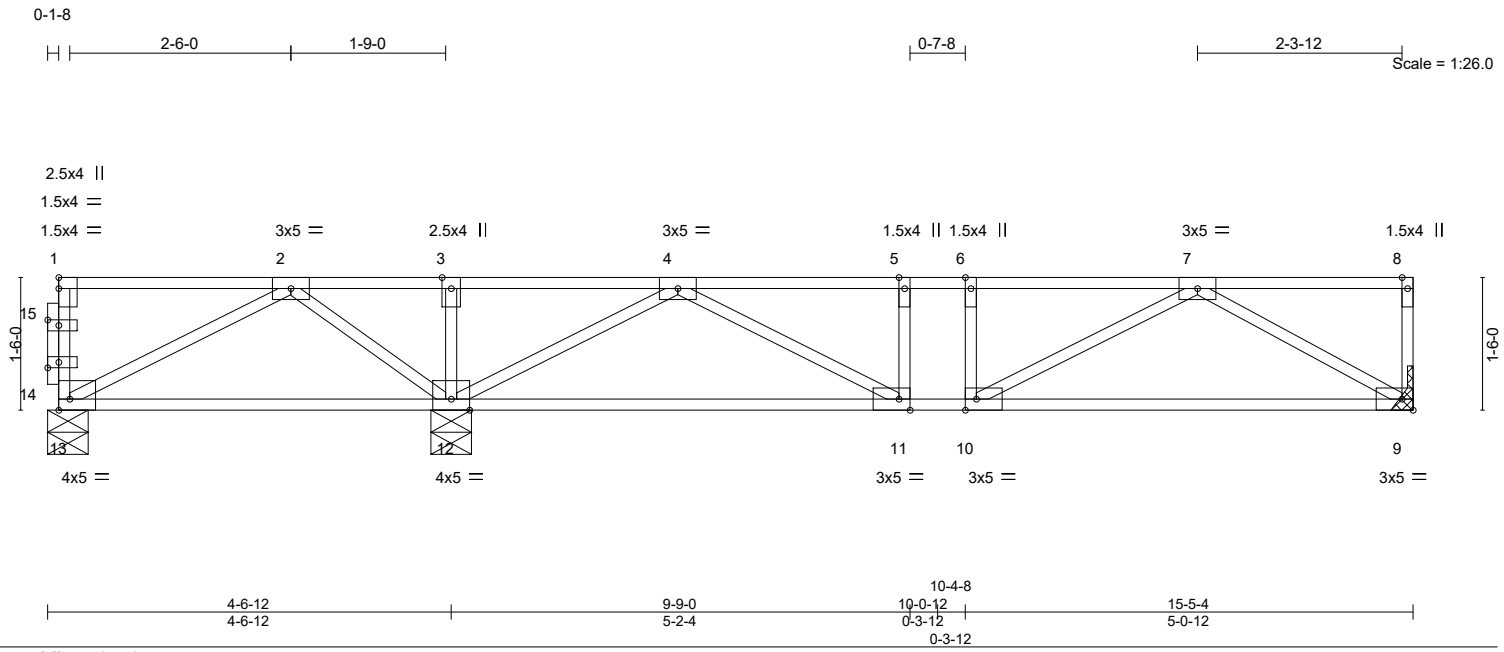

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [11:0-1-8,Edge], [13:Edge,0-1-8], [14:0-1-8,0-0-12], [15:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.05	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.41	Vert(CT)	-0.15	9-10	>869	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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: 12-13.

REACTIONS. (size) 12=0-5-8, 13=0-5-8, 9=Mechanical
Max Grav 12=1868(LC 1), 13=1067(LC 3), 9=459(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-1000/0, 2-3=0/451, 3-4=0/451, 4-5=-824/0, 5-6=-824/0, 6-7=-824/0
BOT CHORD 11-12=0/399, 10-11=0/824, 9-10=0/611
WEBS 3-12=-1080/0, 2-13=-88/259, 2-12=-429/0, 4-11=0/493, 4-12=-937/0, 7-10=0/260, 7-9=-706/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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) 916 lb down at 0-2-4, and 918 lb down at 4-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-13=-16, 1-8=-80
Concentrated Loads (lb)
Vert: 1=-916(F) 3=-918(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT2	Floor	7	1	K10366924
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:49 2021 Page 1
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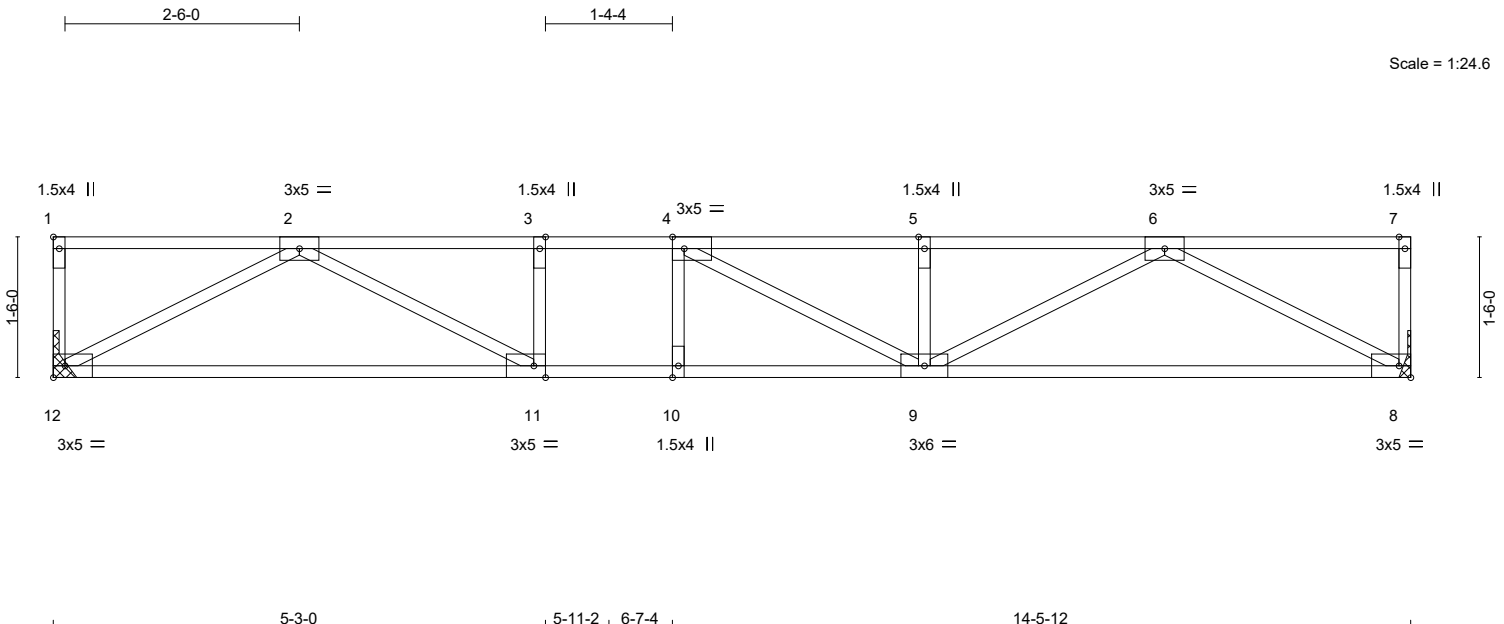

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.16	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.21	9-10	>834	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.03	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 57 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 12=Mechanical, 8=Mechanical
Max Grav 12=689(LC 1), 8=689(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1740/0, 3-4=-1740/0, 4-5=-1719/0, 5-6=-1719/0
BOT CHORD 11-12=0/1072, 10-11=0/1740, 9-10=0/1740, 8-9=0/1067
WEBS 2-12=-1216/0, 2-11=0/772, 6-8=-1211/0, 6-9=0/740, 4-9=-264/157

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT2S- **Cond1**	Floor Girder	1	1	K10366925
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:51 2021 Page 1
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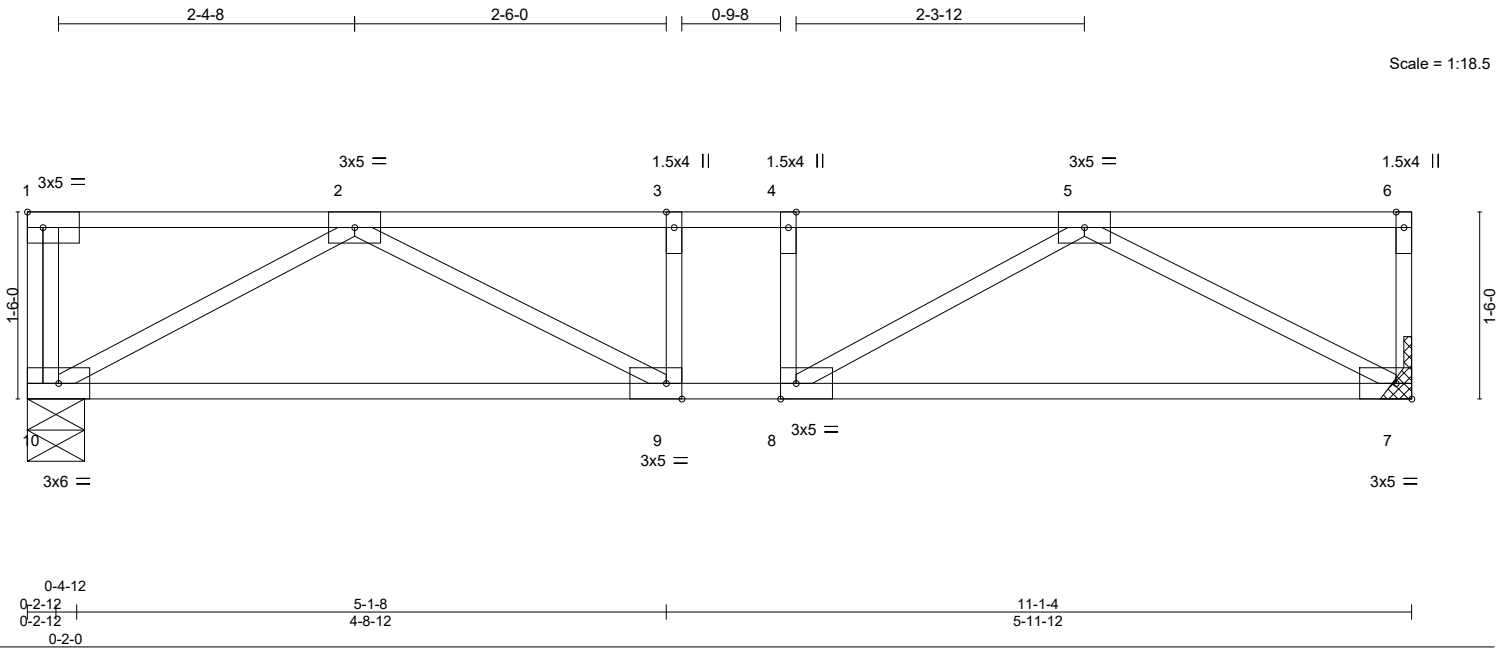

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.09	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.19	9-10	>680	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 46 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 7=Mechanical, 10=0-5-8
Max Grav 7=540(LC 2), 10=540(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-250/225, 2-3=-1124/0, 3-4=-1073/0, 4-5=-1111/0, 5-6=-256/231
BOT CHORD 9-10=-79/812, 8-9=0/1073, 7-8=-55/810
WEBS 5-7=-935/84, 5-8=-187/591, 2-10=-922/83, 2-9=-198/604

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-1-4 for 100.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT2S-**Cond2**	Floor Girder	1	1	K10366925
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:51 2021 Page 1
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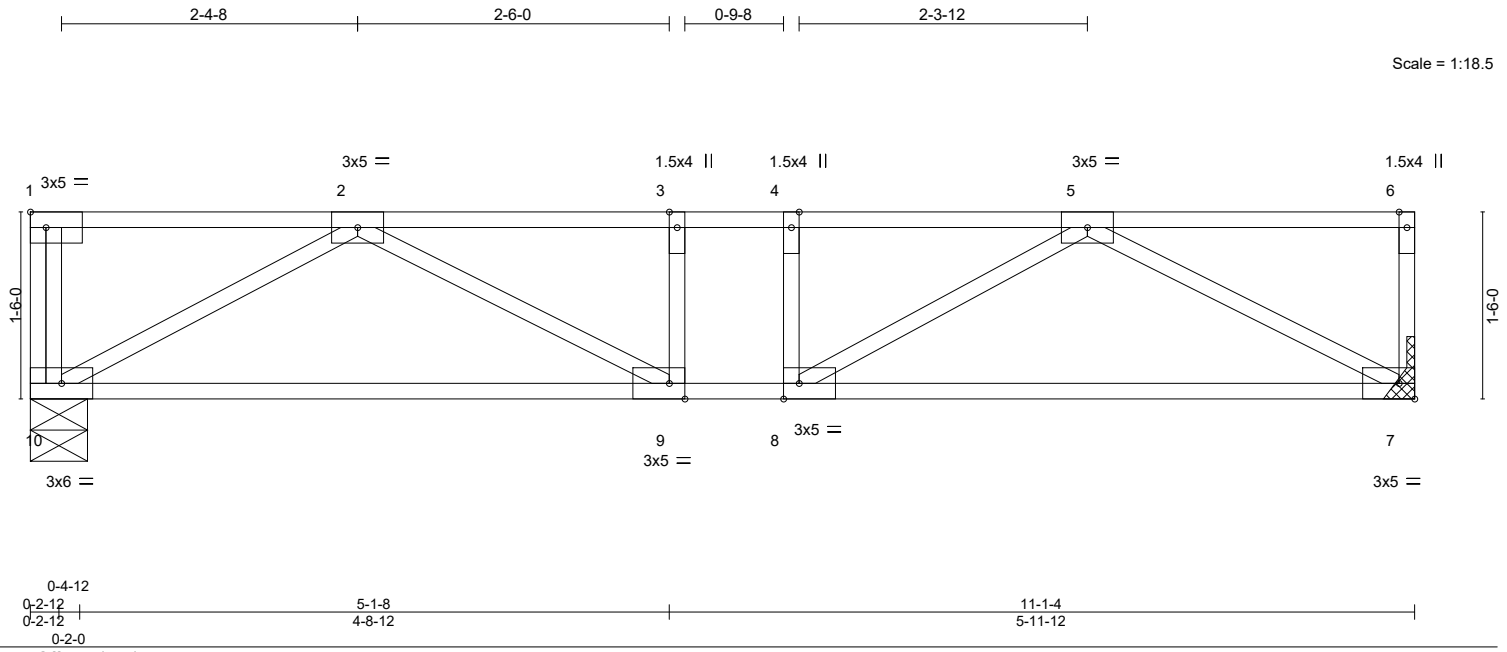

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.09	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.19	9-10	>680	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 46 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 7=Mechanical, 10=0-5-8
Max Grav 7=540(LC 2), 10=6384(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-250/225, 2-3=-1124/0, 3-4=-1073/0, 4-5=-1111/0, 5-6=-256/231
BOT CHORD 9-10=-79/812, 8-9=0/1073, 7-8=-55/810
WEBS 5-7=-935/84, 5-8=-187/591, 2-10=-922/83, 2-9=-198/604

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Load case(s) 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-1-4 for 100.0 plf.
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) . The design/selection of such connection device(s) is the responsibility of others.
8) 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 Except:
14) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-10=-16(F), 1-6=-80(F)
Concentrated Loads (lb)
Vert: 10=-5860(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT2S-**Cond3**	Floor Girder	1	1	K10366925
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:51 2021 Page 1
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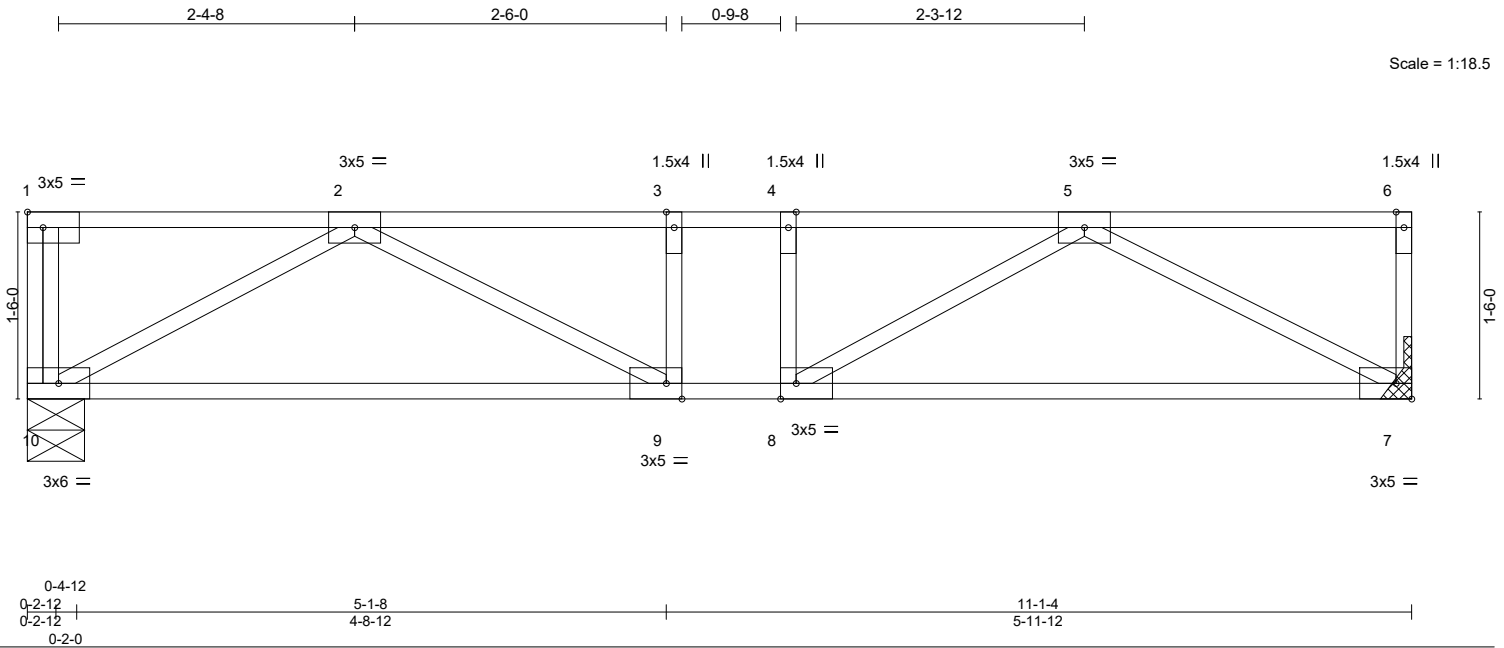

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.09	9-10	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.19	9-10	>680	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 46 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 7=Mechanical, 10=0-5-8
Max Uplift 10=-5336(LC 14)
Max Grav 7=540(LC 2), 10=540(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-250/225, 2-3=-1124/0, 3-4=-1073/0, 4-5=-1111/0, 5-6=-256/231
BOT CHORD 9-10=-79/812, 8-9=0/1073, 7-8=-55/810
WEBS 5-7=-935/84, 5-8=-187/591, 2-10=-922/83, 2-9=-198/604

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5336 lb uplift at joint 10.
5) Load case(s) 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-1-4 for 100.0 plf.
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) . The design/selection of such connection device(s) is the responsibility of others.
9) 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 Except:
14) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-10=-16(F), 1-6=-80(F)
Concentrated Loads (lb)
Vert: 10=5860(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT3	Floor	3	1	K10366926
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:52 2021 Page 1
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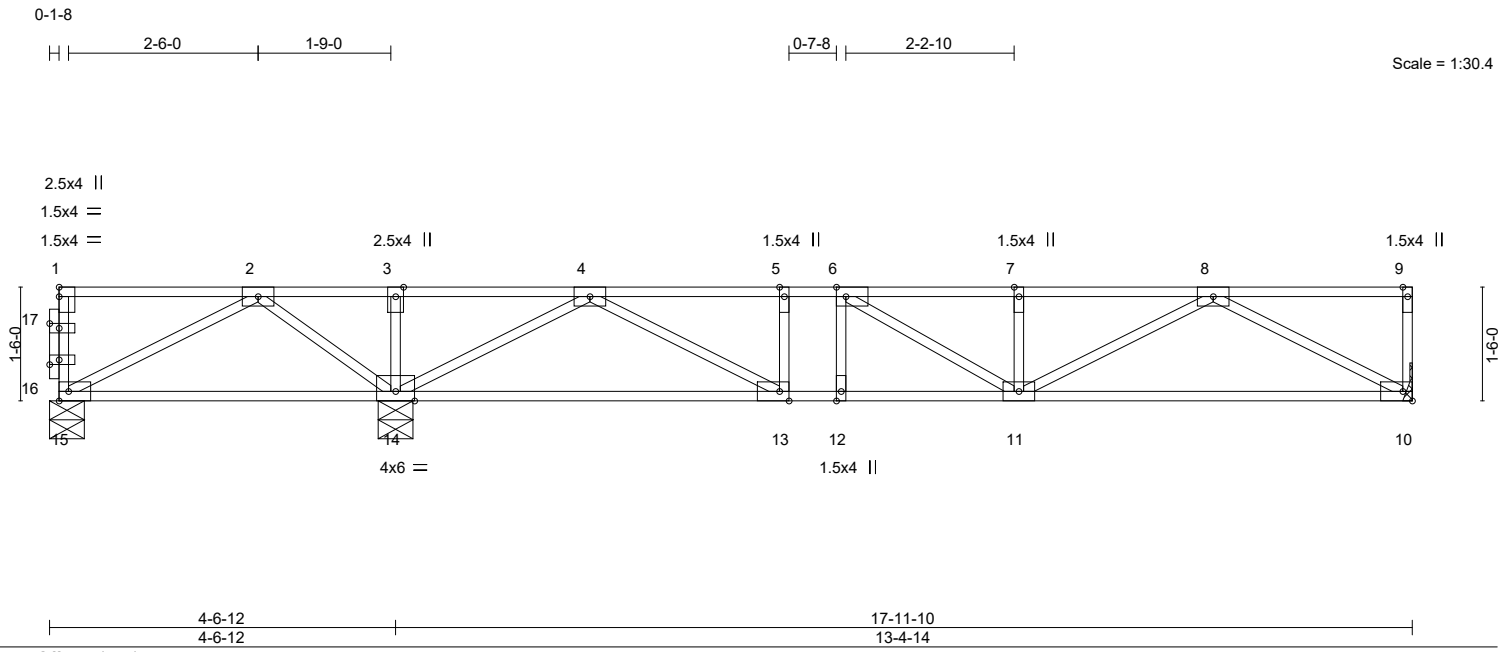

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-0-12], [17:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.07	11-12	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.14	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 73 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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: 14-15.

REACTIONS. (size) 14=0-5-8, 15=0-5-8, 10=Mechanical
Max Grav 14=2351(LC 1), 15=980(LC 3), 10=555(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-961/0, 2-3=0/801, 3-4=0/801, 4-5=-1033/0, 5-6=-1033/0, 6-7=-1215/0, 7-8=-1215/0
BOT CHORD 14-15=-435/0, 13-14=0/320, 12-13=0/1033, 11-12=0/1033, 10-11=0/820
WEBS 3-14=-1311/0, 2-15=0/494, 2-14=-610/0, 4-14=-1245/0, 4-13=0/818, 8-10=-930/0, 8-11=0/449, 6-11=-21/310

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 877 lb down at 0-2-4, and 1145 lb down at 4-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-15=-16, 1-9=-80
Concentrated Loads (lb)
Vert: 1=-877(F) 3=-1145(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT4A	Floor Girder	1	1	K10366927
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:53 2021 Page 1
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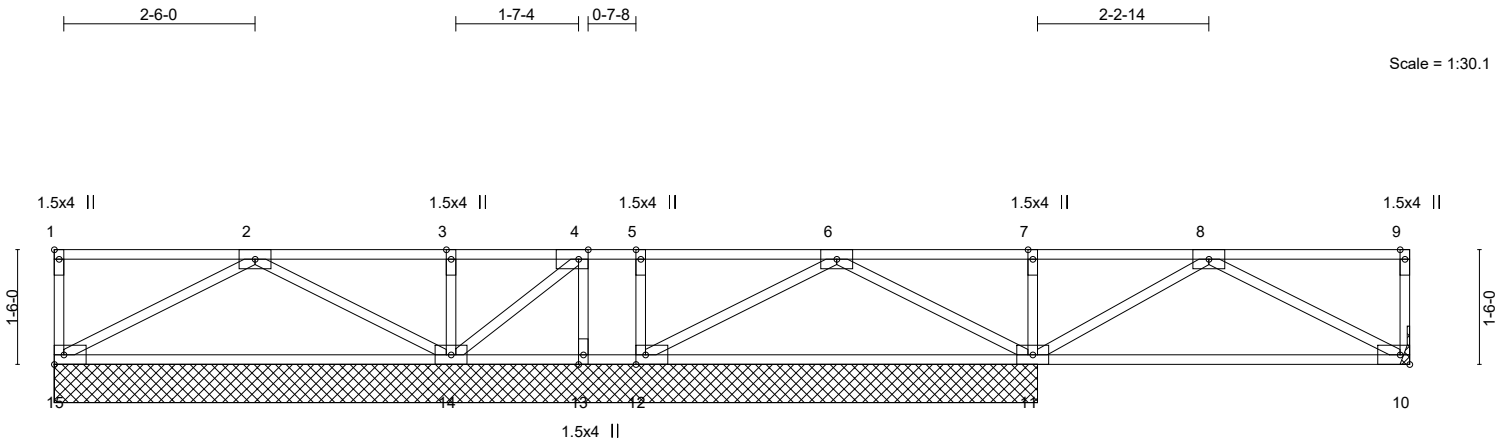

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [12:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	0.00	11	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.10	14-15	>607	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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, Except: 10-0-0 oc bracing: 14-15.

REACTIONS. All bearings 12-10-4 except (jt=length) 10=Mechanical.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 15, 12, 10 except 13=-254(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 13 except 11=535(LC 1), 15=277(LC 12), 14=422(LC 8), 12=422(LC 12), 10=274(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-256/256, 2-3=-240/264, 5-6=-264/284, 6-7=-236/266, 7-8=-228/259, 8-9=-256/256
BOT CHORD 14-15=-238/340, 11-12=-254/317, 10-11=-208/306
WEBS 2-15=-380/262, 6-11=-416/264, 2-14=-447/251, 6-12=-409/270, 4-14=-310/305, 8-10=-377/277, 8-11=-428/240

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 12, 10 except (jt=lb) 13=254.
6) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 17-8-10 for 100.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT5	Floor	5	1	K10366928
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:54 2021 Page 1
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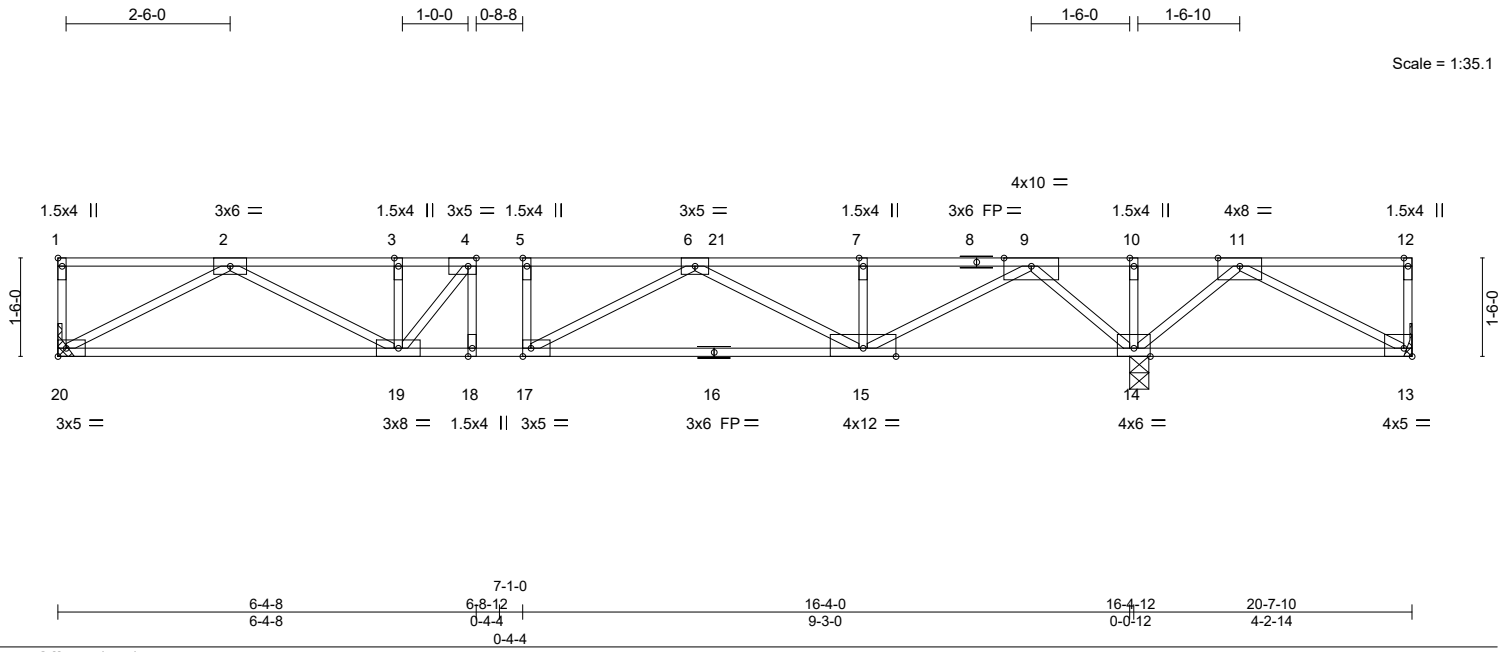

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [13:Edge,0-1-8], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.13	15-17	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.24	15-17	>809	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	-0.03	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 88 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
9-15: 2x4 HF 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. (size) 13=Mechanical, 14=0-3-8, 20=Mechanical
Max Uplift 13=-595(LC 3)
Max Grav 14=1977(LC 1), 20=766(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1972/0, 3-4=-1972/0, 4-5=-2189/0, 5-6=-2189/0, 6-7=-752/0, 7-9=-752/0, 9-10=0/2003, 10-11=0/2003
BOT CHORD 19-20=0/1213, 18-19=0/2189, 17-18=0/2189, 15-17=0/1824, 14-15=-838/0, 13-14=-1185/0
WEBS 2-20=-1377/0, 2-19=0/861, 4-19=-506/16, 6-17=0/505, 6-15=-1221/0, 9-15=0/1780, 9-14=-1551/0, 11-13=0/1344, 11-14=-1214/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) except (jt=lb) 13=595.
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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-20=-16, 1-4=-80, 4-21=-160(F=-80), 12-21=-80

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT6	Floor	1	1	K10366929
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:55 2021 Page 1
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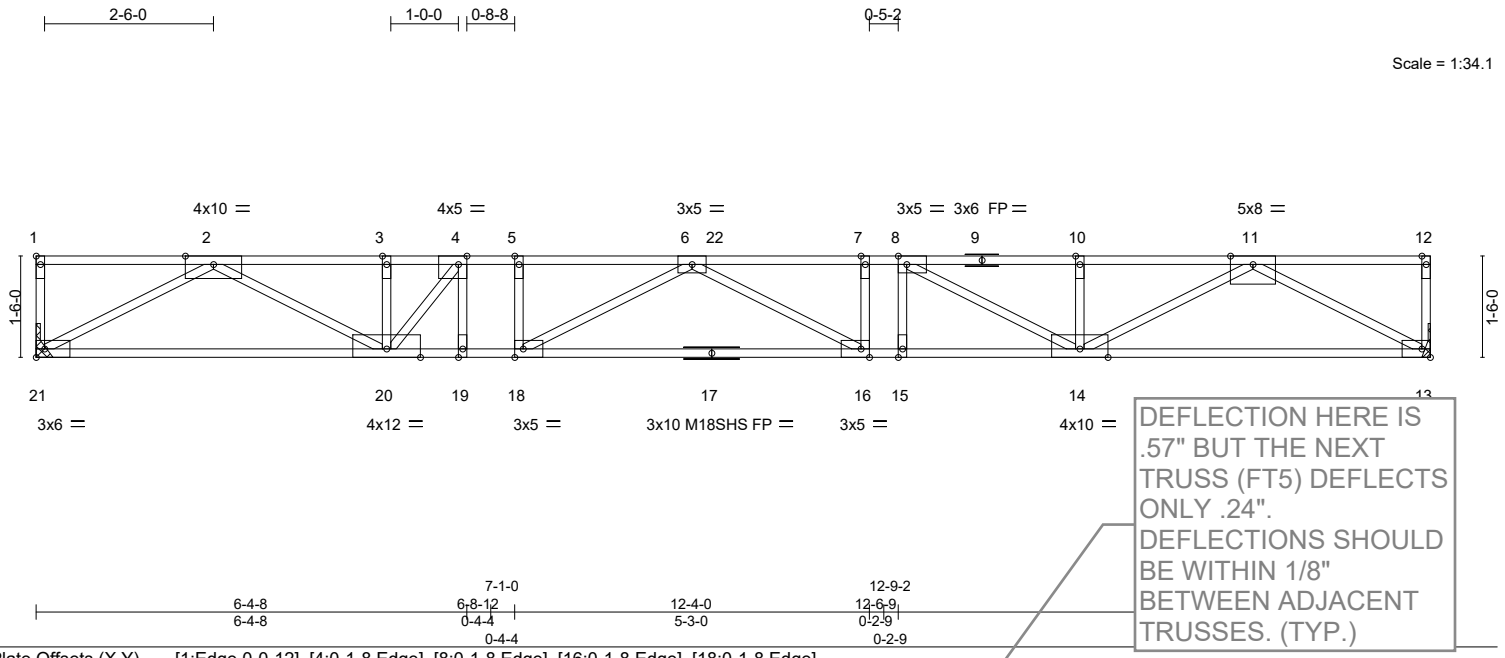

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge], [16:0-1-8,Edge], [18:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.35	16-18	>707	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.57	16-18	>431	360	M18SHS	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	-0.07	21	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 92 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 13=Mechanical, 21=Mechanical
Max Grav 13=1104(LC 1), 21=1166(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3437/0, 3-4=-3437/0, 4-5=-4163/0, 5-6=-4163/0, 6-7=-4222/0, 7-8=-4222/0, 8-10=-3228/0, 10-11=-3228/0
BOT CHORD 20-21=0/1957, 19-20=0/4163, 18-19=0/4163, 16-18=0/4637, 15-16=0/4222, 14-15=0/4222, 13-14=0/1837
WEBS 4-19=0/378, 7-16=0/265, 2-21=-2221/0, 2-20=0/1679, 4-20=-1243/0, 6-18=-683/0, 6-16=-700/0, 11-13=-2085/0, 11-14=0/1578, 8-14=-1189/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-16, 1-4=-80, 4-22=-160(F=-80), 12-22=-80

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT6A	Floor	3	1	K10366930
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:56 2021 Page 1
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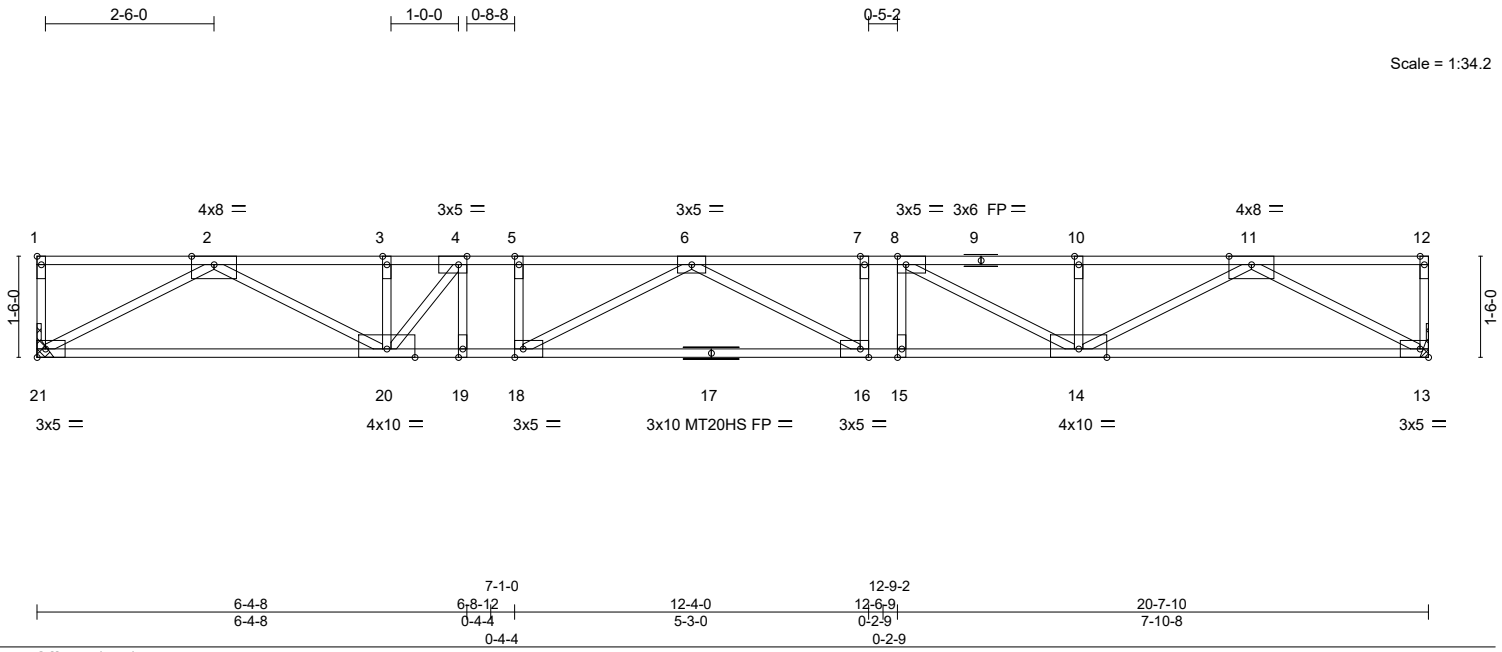

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge], [16:0-1-8,Edge], [18:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.30	16-18	>833	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.50	16-18	>495	360	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	-0.07	21	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 92 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 13=Mechanical, 21=Mechanical
Max Grav 13=984(LC 1), 21=984(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2771/0, 3-4=-2771/0, 4-5=-3262/0, 5-6=-3262/0, 6-7=-3525/0, 7-8=-3525/0, 8-10=-2789/0, 10-11=-2789/0
BOT CHORD 20-21=0/1619, 19-20=0/3262, 18-19=0/3262, 16-18=0/3676, 15-16=0/3525, 14-15=0/3525, 13-14=0/1615
WEBS 2-21=-1838/0, 2-20=0/1306, 4-20=-873/0, 6-18=-614/0, 6-16=-400/0, 11-13=-1833/0, 11-14=0/1332, 8-14=-898/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
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.

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT7	Floor	5	1	K10366931
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:56 2021 Page 1
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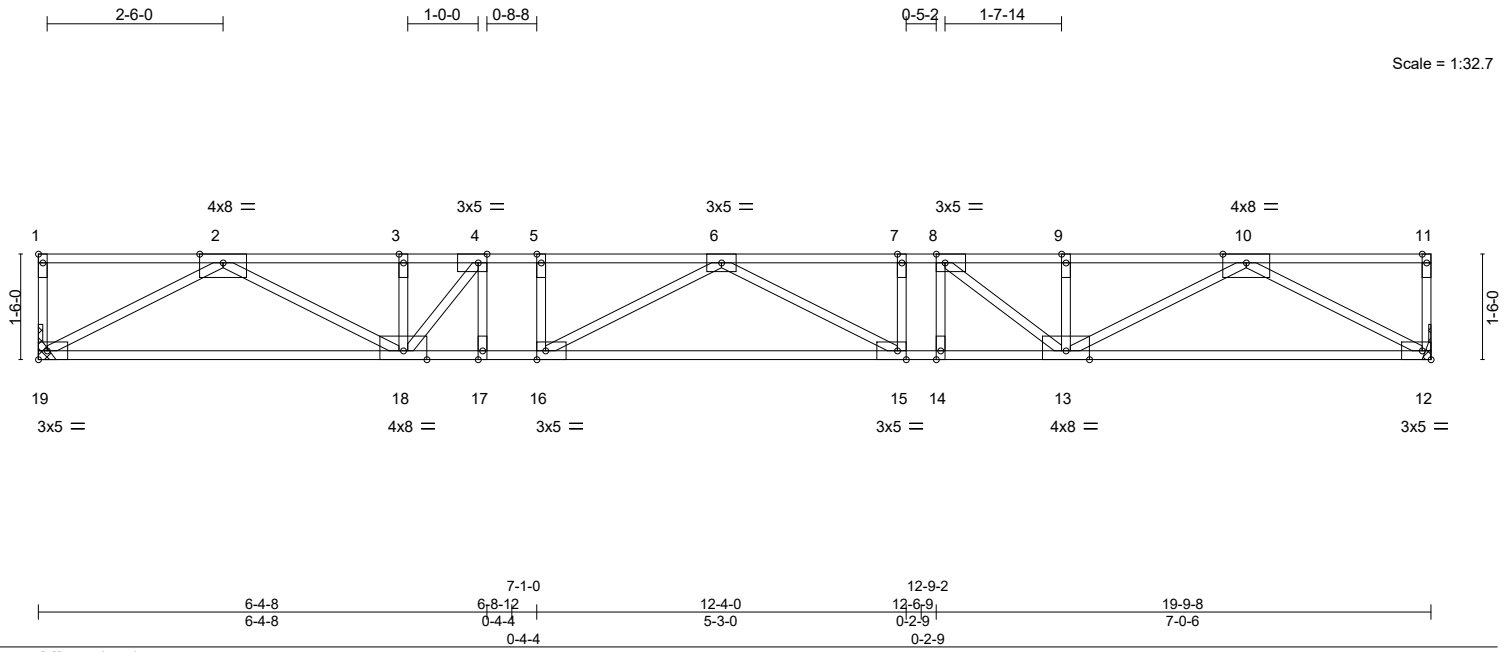

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.31	15-16	>774	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.51	15-16	>460	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	-0.06	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 85 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=Mechanical, 12=Mechanical
Max Grav 19=943(LC 1), 12=943(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2622/0, 3-4=-2622/0, 4-5=-3066/0, 5-6=-3066/0, 6-7=-3163/0, 7-8=-3163/0, 8-9=-2626/0, 9-10=-2626/0
BOT CHORD 18-19=0/1544, 17-18=0/3066, 16-17=0/3066, 15-16=0/3388, 14-15=0/3163, 13-14=0/3163, 12-13=0/1542
WEBS 4-17=0/273, 2-19=-1752/0, 2-18=0/1223, 4-18=-804/0, 6-16=-515/0, 6-15=-436/0, 10-12=-1750/0, 10-13=0/1230, 8-13=-757/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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.

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT8	Floor Girder	1	1	K10366932
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:57 2021 Page 1
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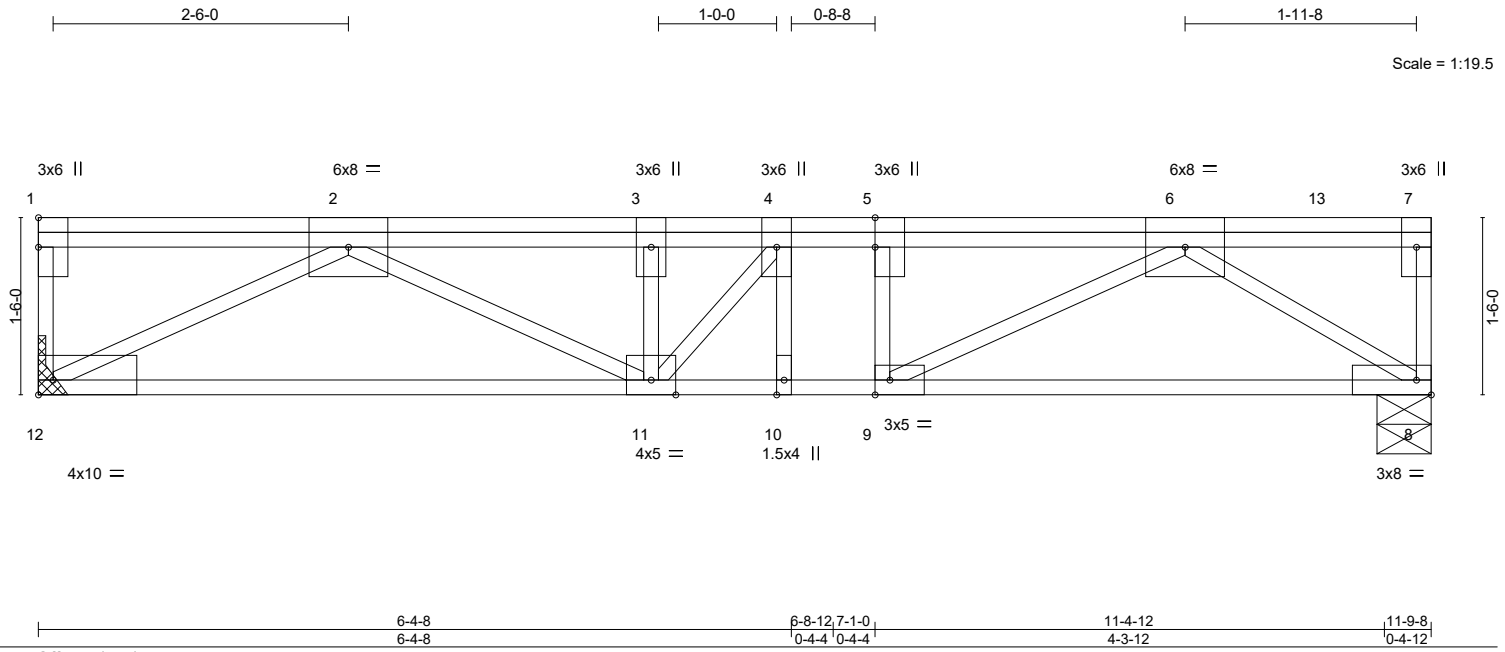

Plate Offsets (X,Y)-- [5:0-3-0,0-0-0], [9:0-1-8,Edge], [12:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.08	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.17	11-12	>837	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	-0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 62 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 12=Mechanical, 8=0-5-8
Max Grav 12=1644(LC 1), 8=1636(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-315/0, 7-8=-587/0, 2-3=-2589/0, 3-4=-2589/0, 4-5=-2319/0, 5-6=-2319/0
BOT CHORD 11-12=0/2530, 10-11=0/2319, 9-10=0/2319, 8-9=0/1572
WEBS 5-9=-298/12, 2-12=-2842/0, 2-11=-138/318, 3-11=-261/9, 4-11=-61/603, 6-9=0/1004, 6-8=-1875/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 760 lb down at 2-8-0, and 760 lb down at 10-11-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-12=-16, 1-2=-270(F=-190), 2-13=-80, 7-13=-270(F=-190)
Concentrated Loads (lb)
Vert: 2=-760(F) 13=-760(F)

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT9	Floor	4	1	K10366933
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:58 2021 Page 1
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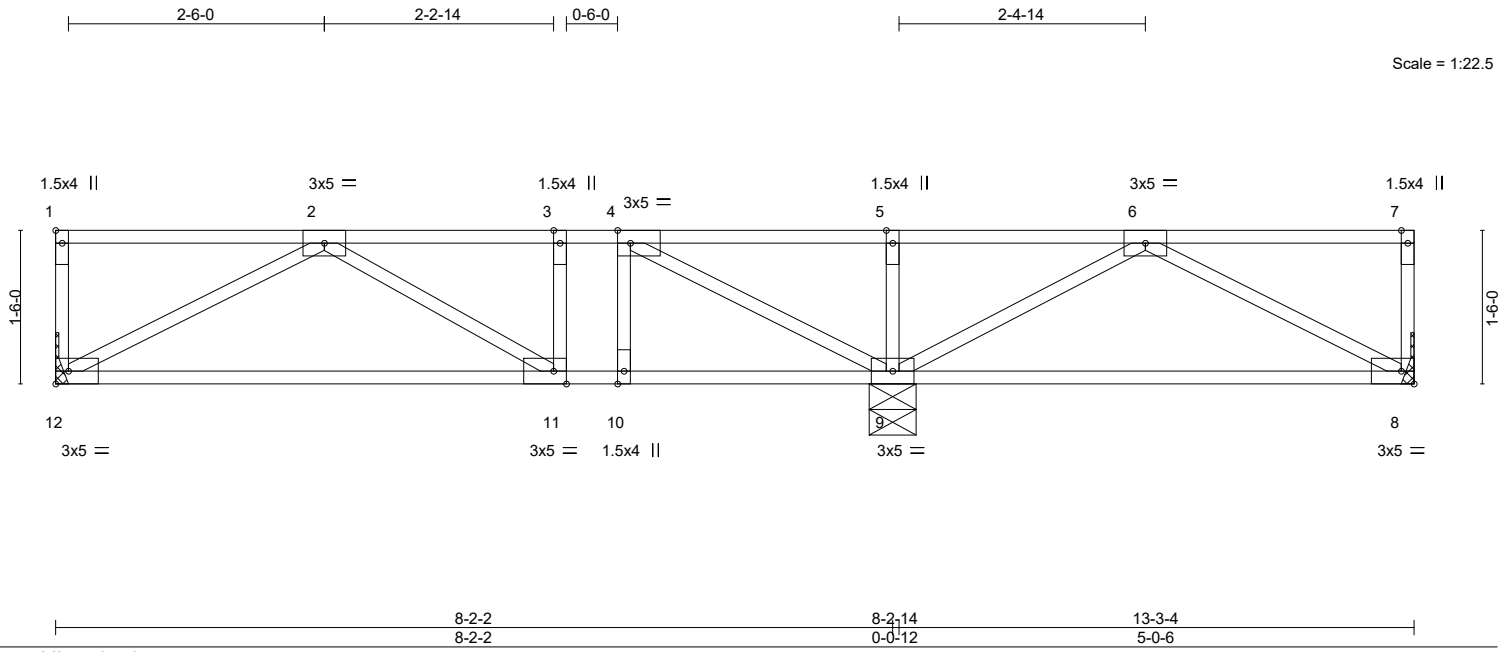

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.04	11-12	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.14	11-12	>690	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 9=0-5-8, 12=Mechanical, 8=Mechanical
Max Grav 9=690(LC 1), 12=372(LC 3), 8=238(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-494/0, 3-4=-494/0
BOT CHORD 11-12=0/483, 10-11=0/494, 9-10=0/494
WEBS 2-12=-548/0, 4-9=-627/0, 6-8=-264/0, 6-9=-292/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT10	Floor	5	1	K10366934
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:30 2021 Page 1
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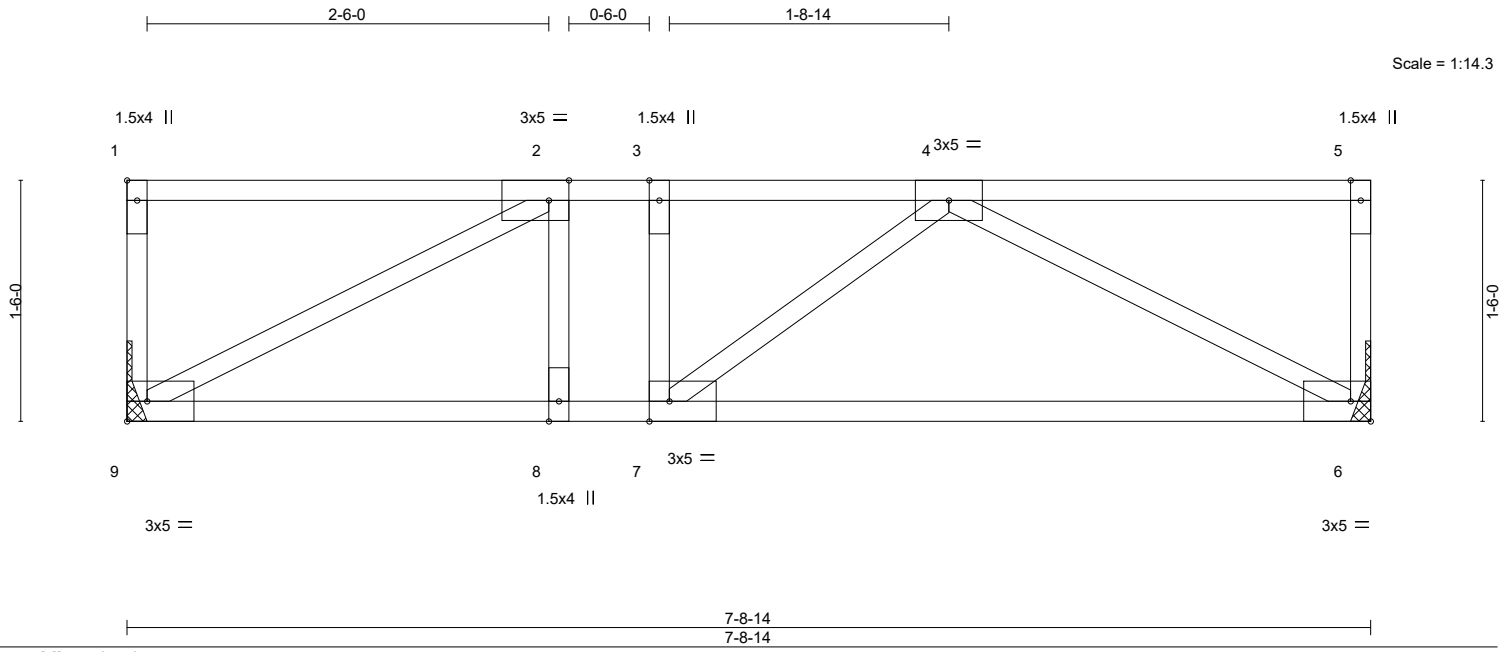

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.03	6-7	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.09	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 6=Mechanical, 9=Mechanical
Max Grav 6=365(LC 1), 9=365(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-508/0, 3-4=-508/0
BOT CHORD 8-9=0/508, 7-8=0/508, 6-7=0/474
WEBS 4-6=-538/0, 2-9=-573/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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.

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT11	Floor	1	1	K10366935
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:31 2021 Page 1
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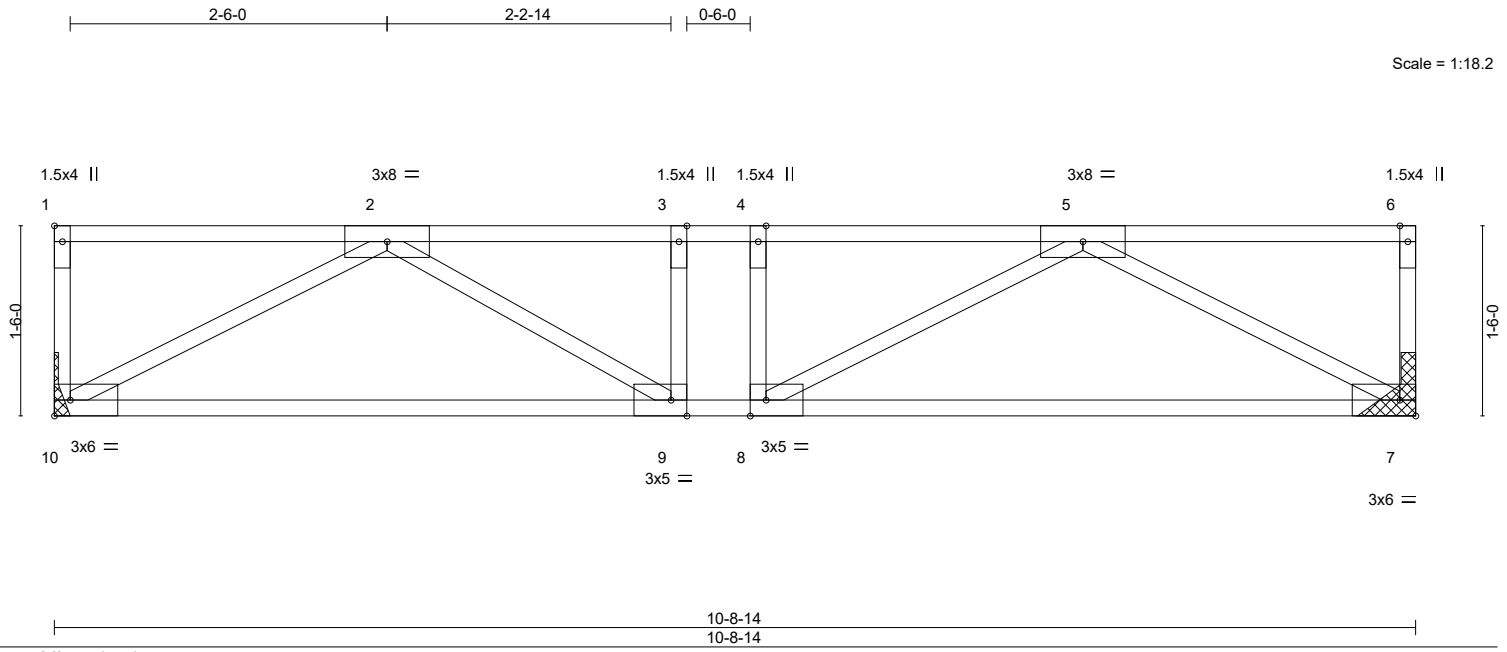

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.11	7-8	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.25	7-8	>512	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 7=Mechanical, 10=Mechanical
Max Grav 7=1168(LC 1), 10=1168(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2315/0, 3-4=-2315/0, 4-5=-2315/0
BOT CHORD 9-10=0/1720, 8-9=0/2315, 7-8=0/1723
WEBS 5-7=-1955/0, 2-10=-1952/0, 5-8=0/770, 2-9=0/797, 3-9=-275/0, 4-8=-267/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-10=-20, 1-6=-200(F=-100)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT12	Floor	1	1	K10366936
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:32 2021 Page 1
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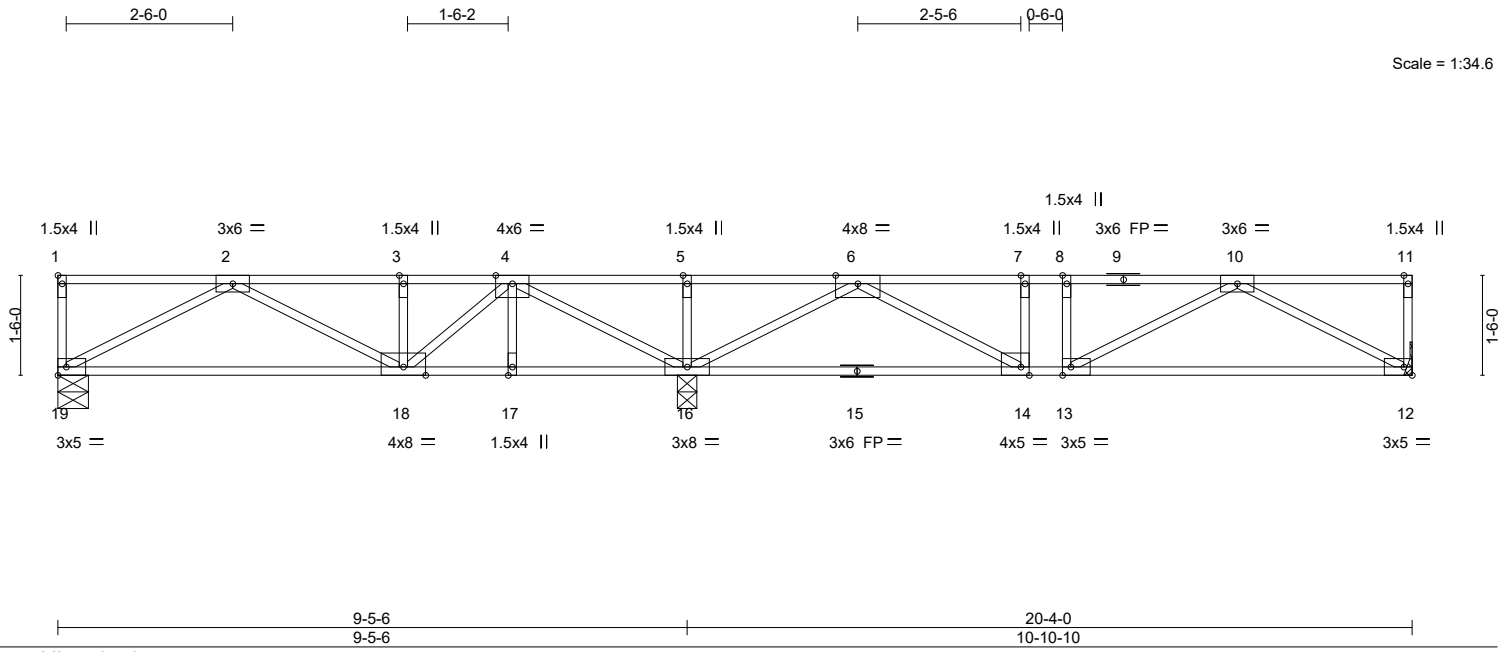

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [13:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.11	12-13	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.19	12-13	>671	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 HF Stud/Std(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. (size) 12=Mechanical, 16=0-3-8, 19=0-5-8
Max Uplift 12=-192(LC 7), 19=-451(LC 6)
Max Grav 12=1116(LC 11), 16=1807(LC 1), 19=701(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-897/897, 2-3=-1215/992, 3-4=-707/383, 4-5=-990/1753, 5-6=-331/1258, 6-7=-2272/710, 7-8=-1689/0, 8-10=-2032/390, 10-11=-897/897
BOT CHORD 18-19=-740/989, 17-18=-969/786, 16-17=-862/679, 14-16=-958/1577, 13-14=0/1689, 12-13=-643/1723
WEBS 5-16=-362/0, 2-19=-1275/1043, 4-16=-1625/890, 2-18=-1114/1133, 10-12=-1976/553, 6-16=-2333/444, 10-13=-907/1186, 6-14=-740/1605, 7-14=-578/229, 8-13=-360/323, 4-18=-674/1042

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 12 and 451 lb uplift at joint 19.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 20-4-0 for 350.0 plf.
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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-16, 1-5=-80, 5-11=-180(F=-100)

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT13	Floor	9	1	K10366937
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:33 2021 Page 1
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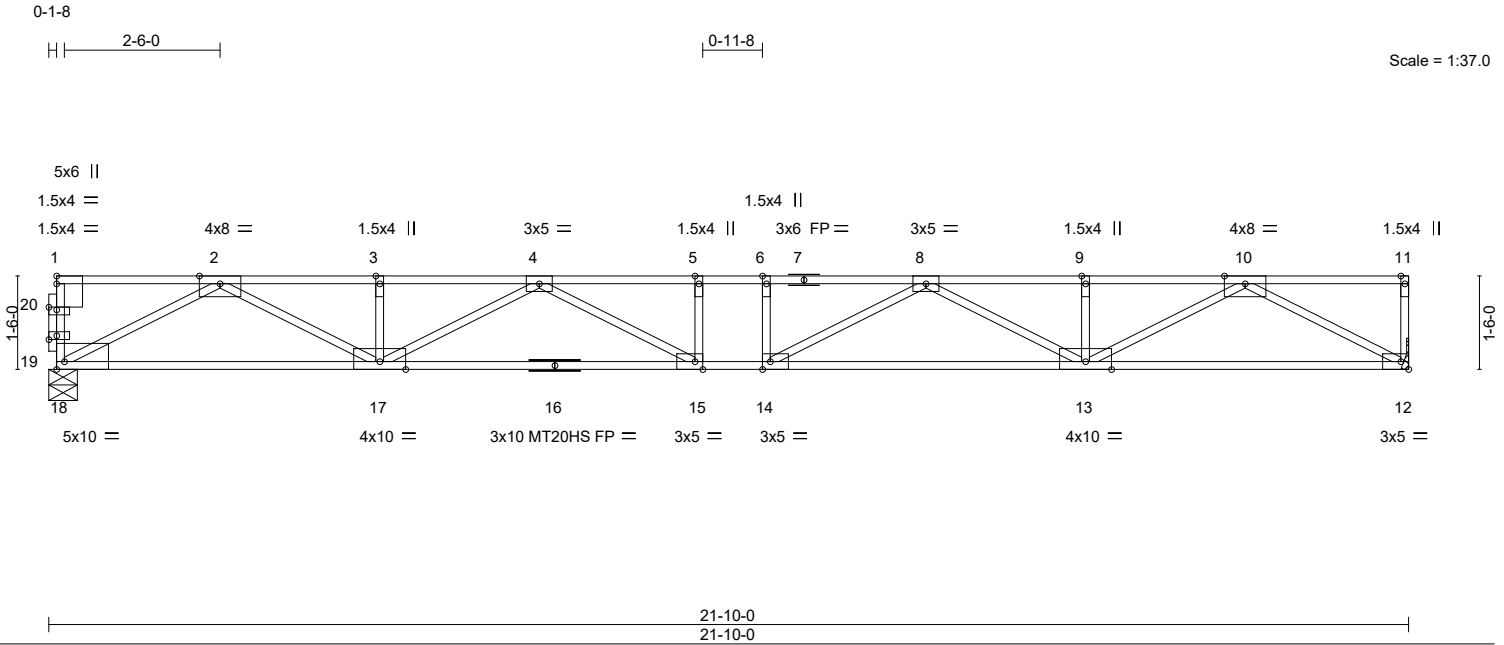

Plate Offsets (X,Y)-- [14:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8], [19:0-1-8,0-0-12], [20:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.33	15	>778	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.50	13-14	>513	360	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 12=Mechanical, 18=0-5-8
Max Grav 12=1035(LC 1), 18=3287(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-2333/0, 2-3=-2993/0, 3-4=-2993/0, 4-5=-4075/0, 5-6=-4075/0, 6-8=-4075/0, 8-9=-2993/0, 9-10=-2993/0
BOT CHORD 17-18=0/1715, 15-17=0/3739, 14-15=0/4075, 13-14=0/3739, 12-13=0/1715
WEBS 2-18=-1947/0, 2-17=0/1450, 4-17=-847/0, 4-15=-22/629, 10-12=-1946/0, 10-13=0/1451, 8-13=-847/0, 8-14=-22/629

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2252 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-18=-16, 1-11=-80
Concentrated Loads (lb)
Vert: 1=-2252(F)

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MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT14-Cond1	Floor Girder	1	1	K10366938
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:38 2021 Page 1
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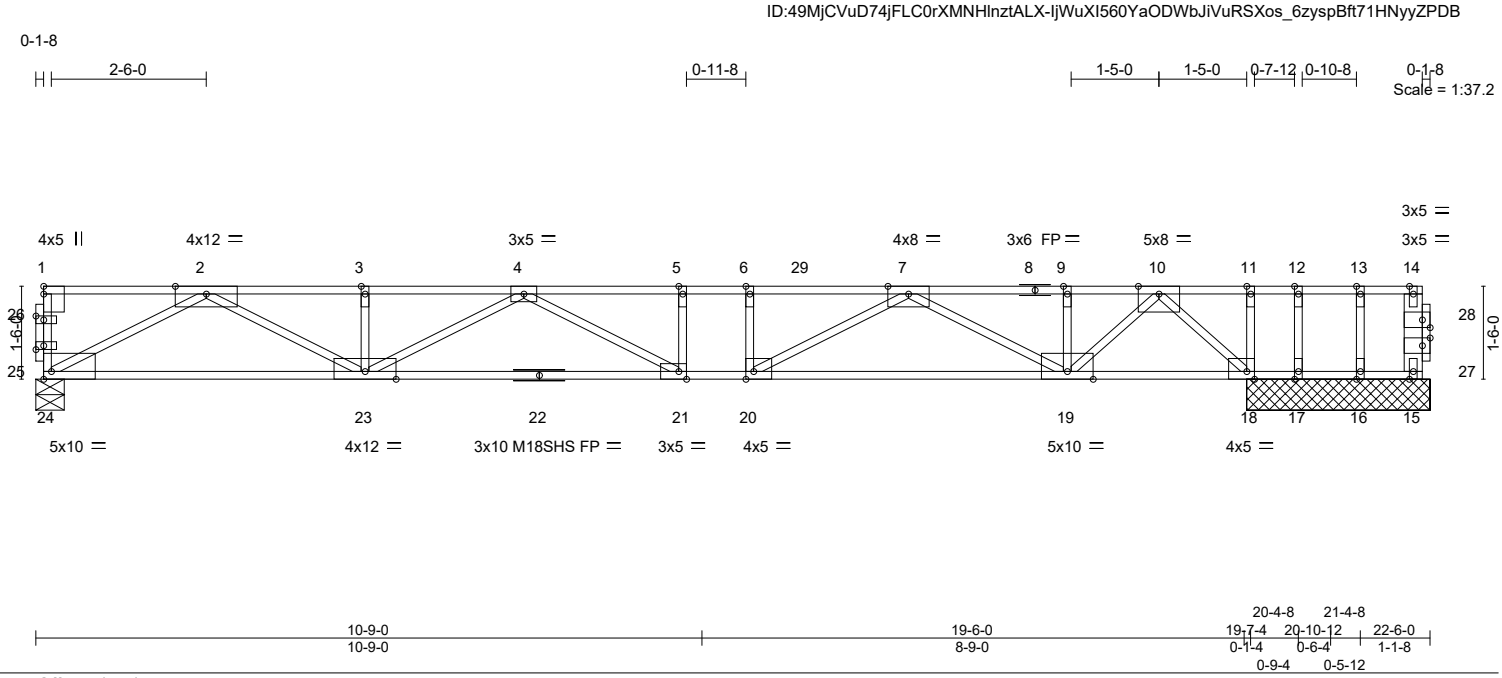

Plate Offsets (X,Y)-- [18:0-1-8,Edge], [20:0-1-8,Edge], [21:0-1-8,Edge], [24:Edge,0-1-8], [25:0-1-8,0-0-12], [26:0-1-8,0-0-12], [27:0-1-8,0-1-8], [28:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.27	21-23	>861	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.58	21-23	>398	360	M18SHS	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.11	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 102 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
14-15: 4x4 DF No.2&BTR G(flat), 2-23: 2x4 HF No.2(flat)

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

REACTIONS. All bearings 2-11-8 except (jt=length) 24=0-5-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 17=-215(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 15=262(LC 4), 24=3478(LC 3), 18=1773(LC 1), 16=890(LC 1), 17=662(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-2335/0, 14-15=-259/0, 2-3=-3703/0, 3-4=-3703/0, 4-5=-4899/0, 5-6=-4899/0, 6-7=-4899/0, 7-9=-2303/0, 9-10=-2303/0
BOT CHORD 23-24=0/2068, 21-23=0/4798, 20-21=0/4899, 19-20=0/3892, 18-19=0/1156
WEBS 2-24=-2347/0, 2-23=0/1857, 4-23=-1243/0, 4-21=-382/623, 7-19=-1804/0, 7-20=0/1172, 6-20=-473/0, 11-18=-572/0, 10-19=0/1571, 10-18=-1578/0, 13-16=-852/0, 12-17=-686/120

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 17.
7) Load case(s) 3, 4, 5, 6, 8 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2252 lb down at 0-2-4, and 310 lb down at 7-7-12, and 310 lb down at 12-4-4 on top 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-792(F=-712)

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LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-5=-16, 5-11=-80, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-310(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT14-**Cond2**	Floor Girder	1	1	K10366938
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:38 2021 Page 1
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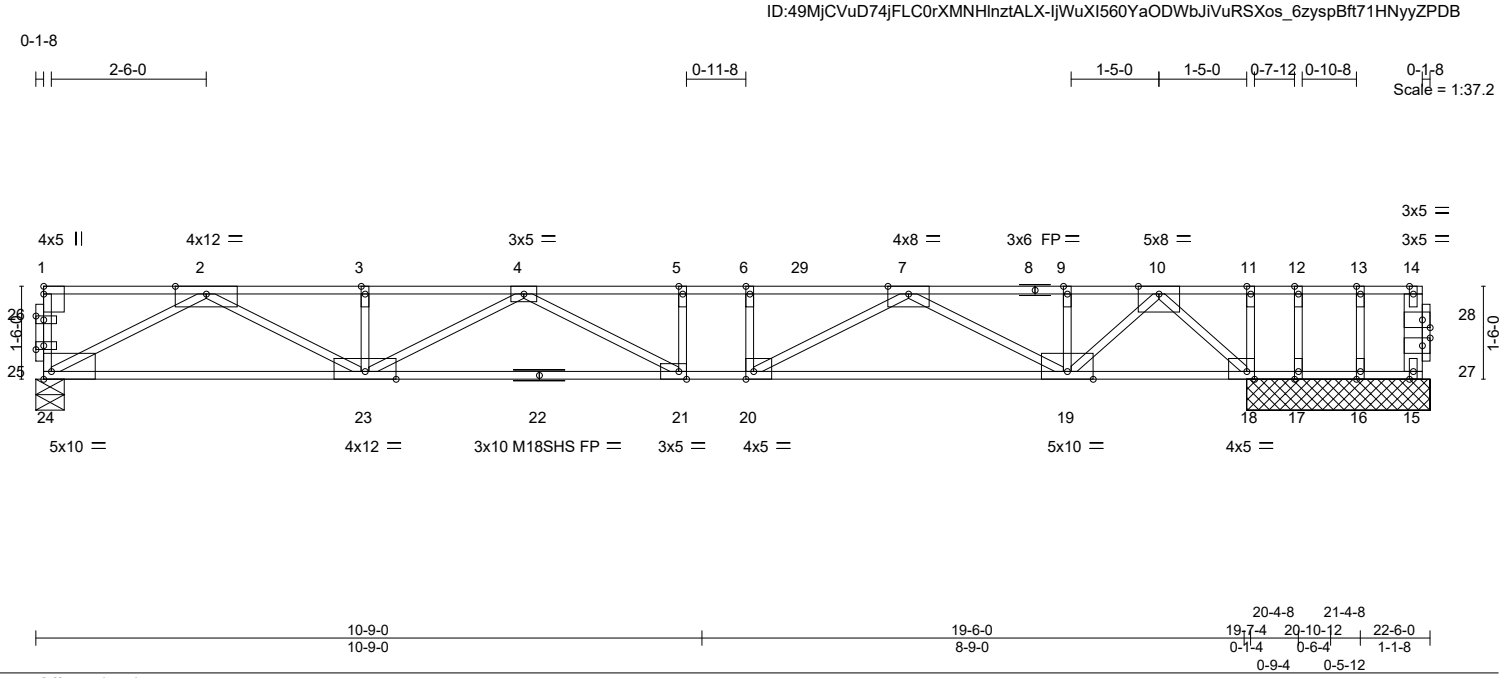

Plate Offsets (X,Y)-- [18:0-1-8,Edge], [20:0-1-8,Edge], [21:0-1-8,Edge], [24:Edge,0-1-8], [25:0-1-8,0-0-12], [26:0-1-8,0-0-12], [27:0-1-8,0-1-8], [28:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.27	21-23	>861	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.58	21-23	>398	360	M18SHS	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.11	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 102 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
14-15: 4x4 DF No.2&BTR G(flat), 2-23: 2x4 HF No.2(flat)

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

REACTIONS. All bearings 2-11-8 except (jt=length) 24=0-5-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 17=-215(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 15=1961(LC 23), 24=3478(LC 3), 18=1773(LC 23), 16=890(LC 23), 17=662(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-2335/0, 14-15=-259/0, 2-3=-3703/0, 3-4=-3703/0, 4-5=-4899/0, 5-6=-4899/0, 6-7=-4899/0, 7-9=-2303/0, 9-10=-2303/0
BOT CHORD 23-24=0/2068, 21-23=0/4798, 20-21=0/4899, 19-20=0/3892, 18-19=0/1156
WEBS 2-24=-2347/0, 2-23=0/1857, 4-23=-1243/0, 4-21=-382/623, 7-19=-1804/0, 7-20=0/1172, 6-20=-473/0, 11-18=-572/0, 10-19=0/1571, 10-18=-1578/0, 13-16=-852/0, 12-17=-686/120

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 17.
7) Load case(s) 3, 4, 5, 6, 8, 23 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2252 lb down at 0-2-4, and 310 lb down at 7-7-12, and 310 lb down at 12-4-4 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-792(F=-712)

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250 Klug Circle
Corona, CA 92880

LOAD CASE(S) Standard Except:

Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-5=-16, 5-11=-80, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-310(F)

23) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 15-24=-16(F), 1-11=-80(F), 11-14=-792(F)
Concentrated Loads (lb)
Vert: 1=-2252(F) 15=-1705(F) 4=-310(F) 29=-310(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT14-**Cond3**	Floor Girder	1	1	K10366938
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:39 2021 Page 1
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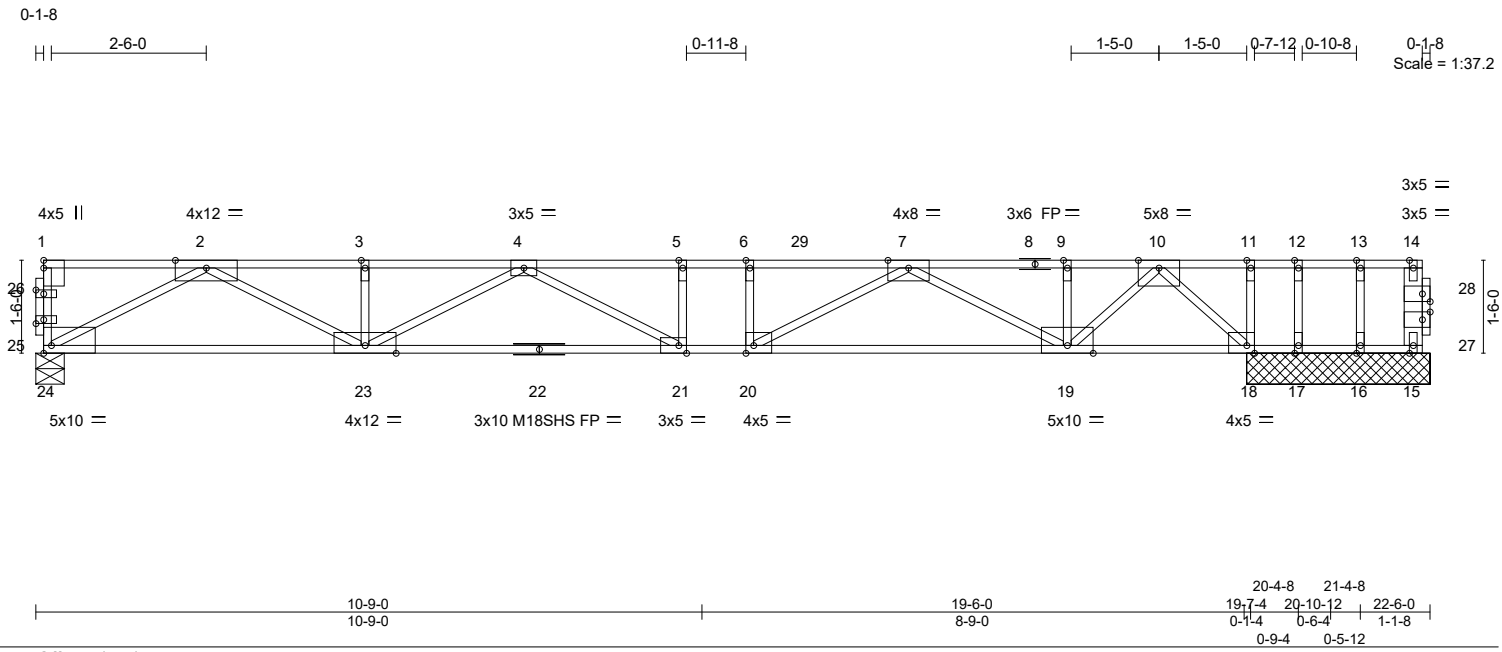

Plate Offsets (X,Y)-- [18:0-1-8,Edge], [20:0-1-8,Edge], [21:0-1-8,Edge], [24:Edge,0-1-8], [25:0-1-8,0-0-12], [26:0-1-8,0-0-12], [27:0-1-8,0-1-8], [28:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.27	21-23	>861	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.58	21-23	>398	360	M18SHS	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.11	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 102 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
14-15: 4x4 DF No.2&BTR G(flat), 2-23: 2x4 HF No.2(flat)

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

REACTIONS. All bearings 2-11-8 except (jt=length) 24=0-5-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 15=-1449(LC 23), 17=-215(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 15=262(LC 4), 24=3478(LC 3), 18=1773(LC 23), 16=890(LC 23), 17=662(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-2335/0, 14-15=-259/0, 2-3=-3703/0, 3-4=-3703/0, 4-5=-4899/0, 5-6=-4899/0, 6-7=-4899/0, 7-9=-2303/0, 9-10=-2303/0
BOT CHORD 23-24=0/2068, 21-23=0/4798, 20-21=0/4899, 19-20=0/3892, 18-19=0/1156
WEBS 2-24=-2347/0, 2-23=0/1857, 4-23=-1243/0, 4-21=-382/623, 7-19=-1804/0, 7-20=0/1172, 6-20=-473/0, 11-18=-572/0, 10-19=0/1571, 10-18=-1578/0, 13-16=-852/0, 12-17=-686/120

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1449 lb uplift at joint 15 and 215 lb uplift at joint 17.
7) Load case(s) 3, 4, 5, 6, 8, 23 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2252 lb down at 0-2-4, and 310 lb down at 7-7-12, and 310 lb down at 12-4-4 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

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LOAD CASE(S) Standard Except:

Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-80, 11-14=-253(F=-237)
Concentrated Loads (lb)
Vert: 1=-2252(F) 4=-310(F) 29=-310(F)

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-11=-16, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-103(F)

8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-5=-16, 5-11=-80, 11-14=-792(F=-712)
Concentrated Loads (lb)
Vert: 1=-751(F) 4=-103(F) 29=-310(F)

23) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 15-24=-16(F), 1-11=-80(F), 11-14=-792(F)
Concentrated Loads (lb)
Vert: 1=-2252(F) 15=1705(F) 4=-310(F) 29=-310(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT15	Floor	2	1	K10366939
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:40 2021 Page 1
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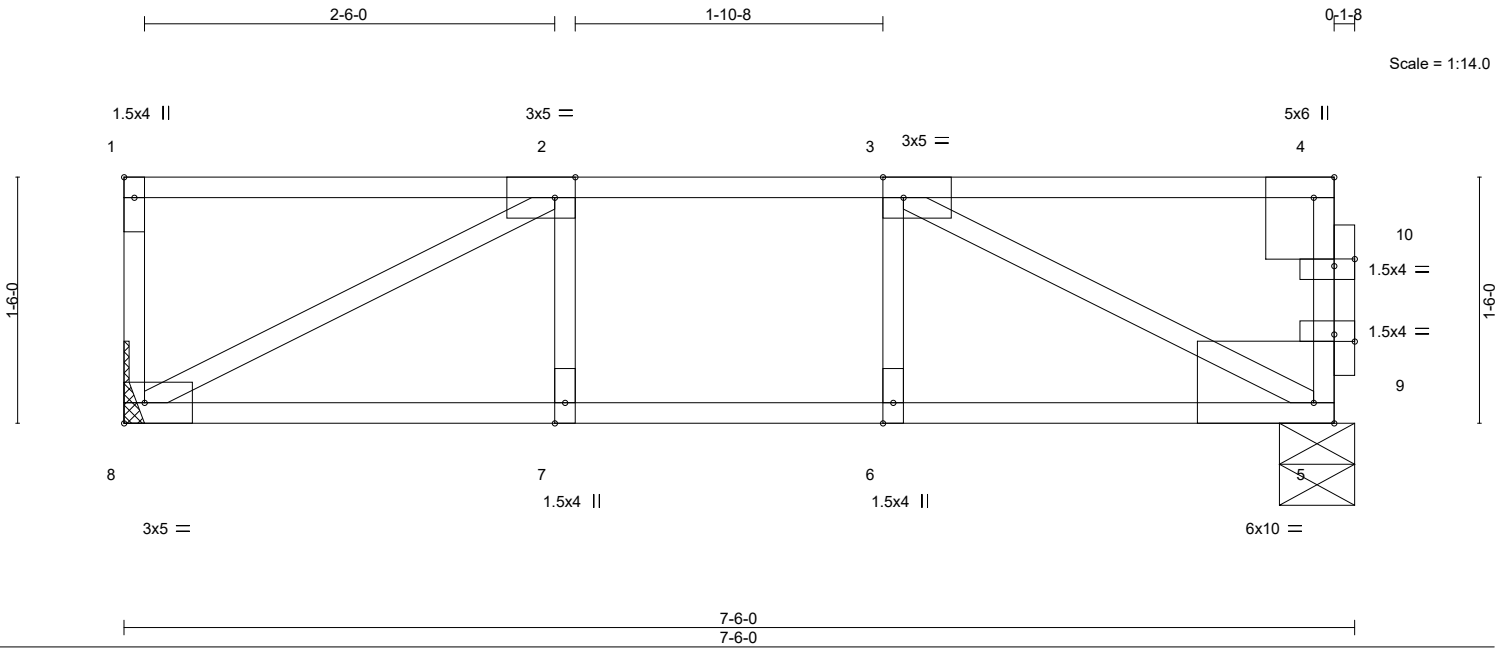

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge], [5:Edge,0-1-8], [9:0-1-8,0-0-8], [10:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.04	5-6	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.05	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 31 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 5=0-5-8, 8=Mechanical
Max Grav 5=2600(LC 1), 8=348(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-2347/0, 2-3=-461/0
BOT CHORD 7-8=0/461, 6-7=0/461, 5-6=0/461
WEBS 3-5=-521/0, 2-8=-521/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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) 2252 lb down at 7-3-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-16, 1-4=-80
Concentrated Loads (lb)
Vert: 4=-2252(F)

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Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT16-**Cond1**	GABLE	1	1	K10366940
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:44 2021 Page 1
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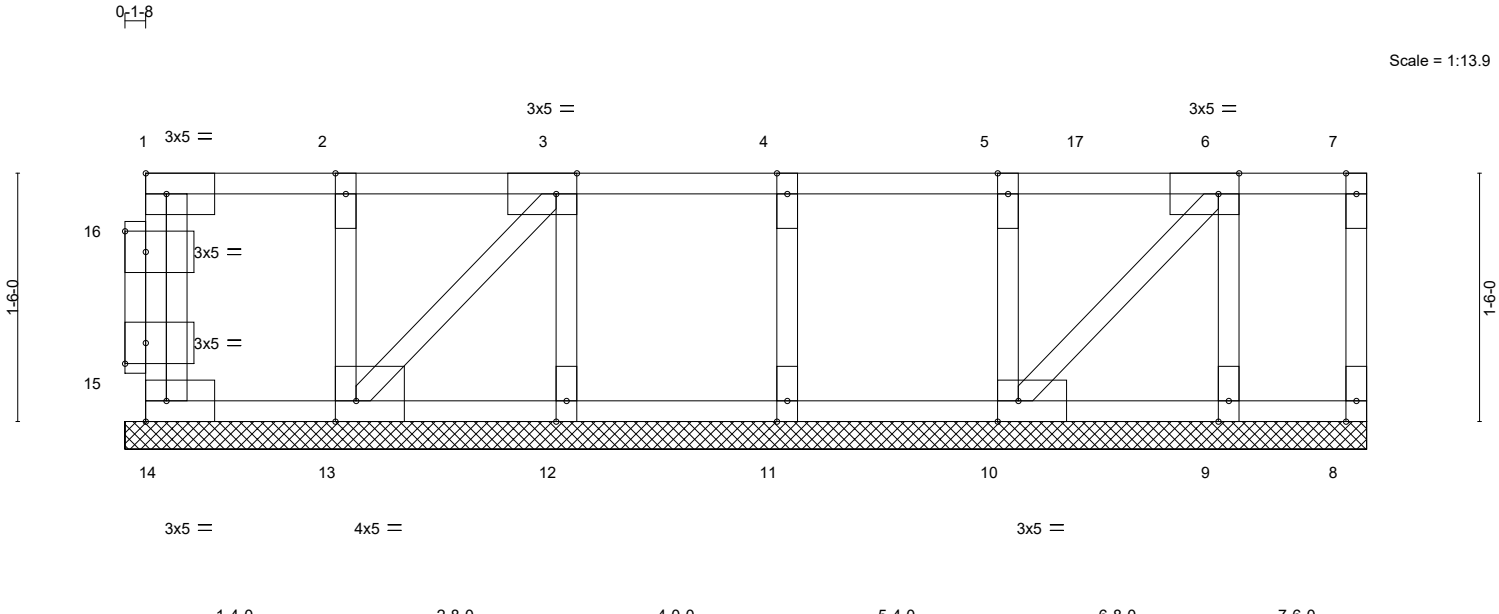

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

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	0.76	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 7-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 12, 11 except 13=1039(LC 1), 10=826(LC 1), 9=863(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-1077/0, 5-10=-734/0, 6-9=-839/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) 720 lb down at 1-7-4, and 720 lb down at 5-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-20, 1-2=-460(F=-360), 2-17=-100, 7-17=-460(F=-360)
Concentrated Loads (lb)
Vert: 2=-720(F) 17=-720(F)

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Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT16-**Cond2**	GABLE	1	1	K10366940
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:44 2021 Page 1
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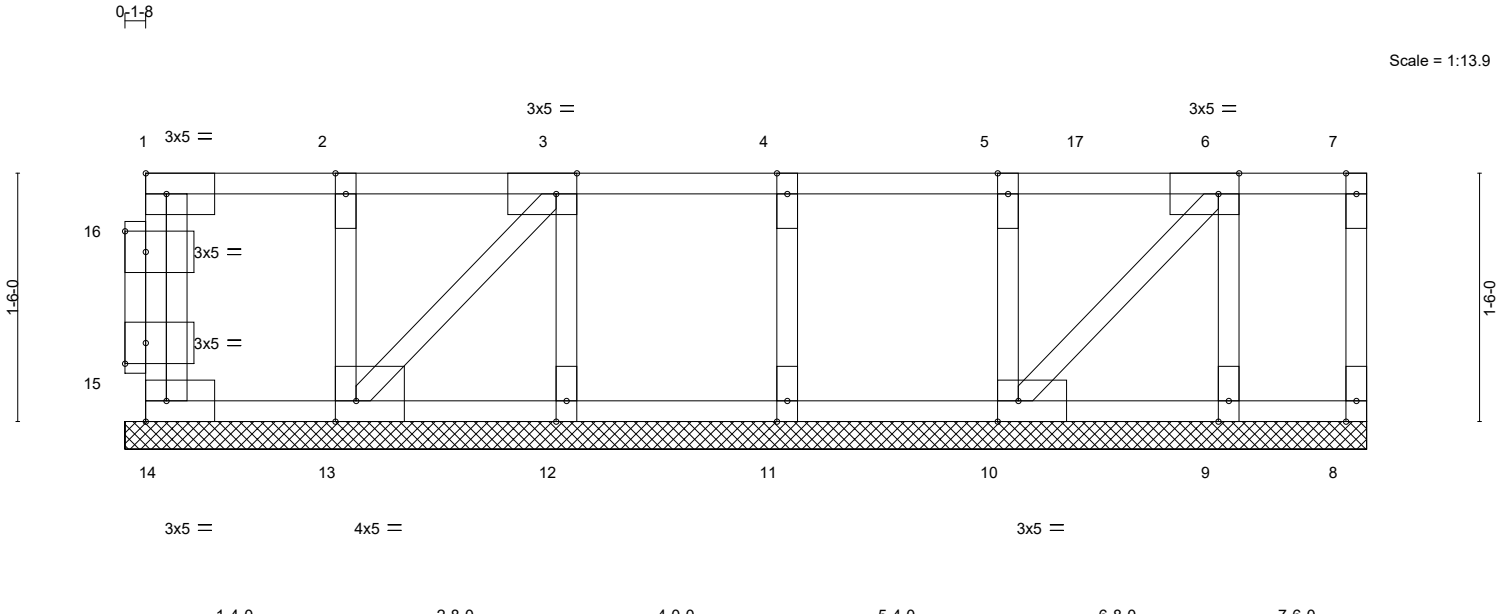

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

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	0.76	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 7-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 12, 11 except 14=5512(LC 3), 13=1039(LC 1), 10=826(LC 1), 9=863(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-1077/0, 5-10=-734/0, 6-9=-839/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) 720 lb down at 1-7-4, and 720 lb down at 5-10-4 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-20, 1-2=-460(F=-360), 2-17=-100, 7-17=-460(F=-360)
Concentrated Loads (lb)
Vert: 2=-720(F) 17=-720(F)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 8-14=-20(F), 1-2=-460(F), 2-17=-100(F), 7-17=-460(F)
Concentrated Loads (lb)
Vert: 14=-5285(F) 2=-720(F) 17=-720(F)

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Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT16-**Cond3**	GABLE	1	1	K10366940
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:44 2021 Page 1
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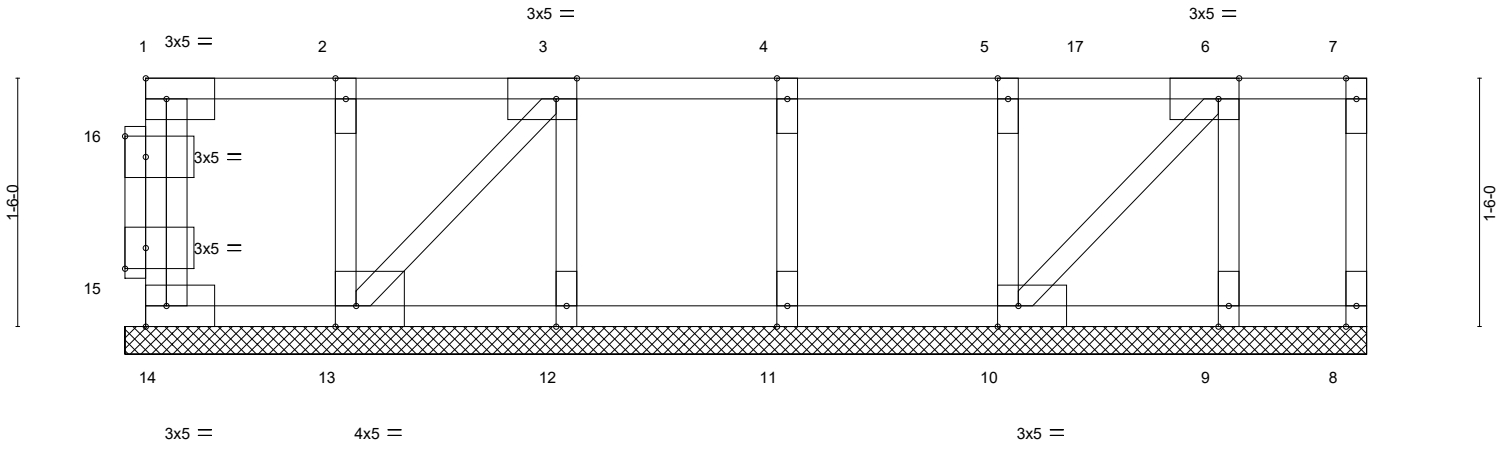

1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	7-6-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-10-0

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

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	0.76	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 7-6-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 14=-5058(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 14, 8, 12, 11 except 13=1039(LC 1), 10=826(LC 1), 9=863(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-1077/0, 5-10=-734/0, 6-9=-839/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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 5058 lb uplift at joint 14.
7) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 720 lb down at 1-7-4, and 720 lb down at 5-10-4 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-20, 1-2=-460(F=-360), 2-17=-100, 7-17=-460(F=-360)
Concentrated Loads (lb)
Vert: 2=-720(F) 17=-720(F)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 8-14=-20(F), 1-2=-460(F), 2-17=-100(F), 7-17=-460(F)

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LOAD CASE(S)

Concentrated Loads (lb)

Vert: 14=5285(F) 2=-720(F) 17=-720(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT17-**Cond1**	Floor	1	1	K10366941
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:47 2021 Page 1
ID:49MjCVuD74jFLC0rXMNHlnztALX-XRZIPNCluJj6ovn2kuYYJRgPtlC?T1f_y0iGBxyZPD2

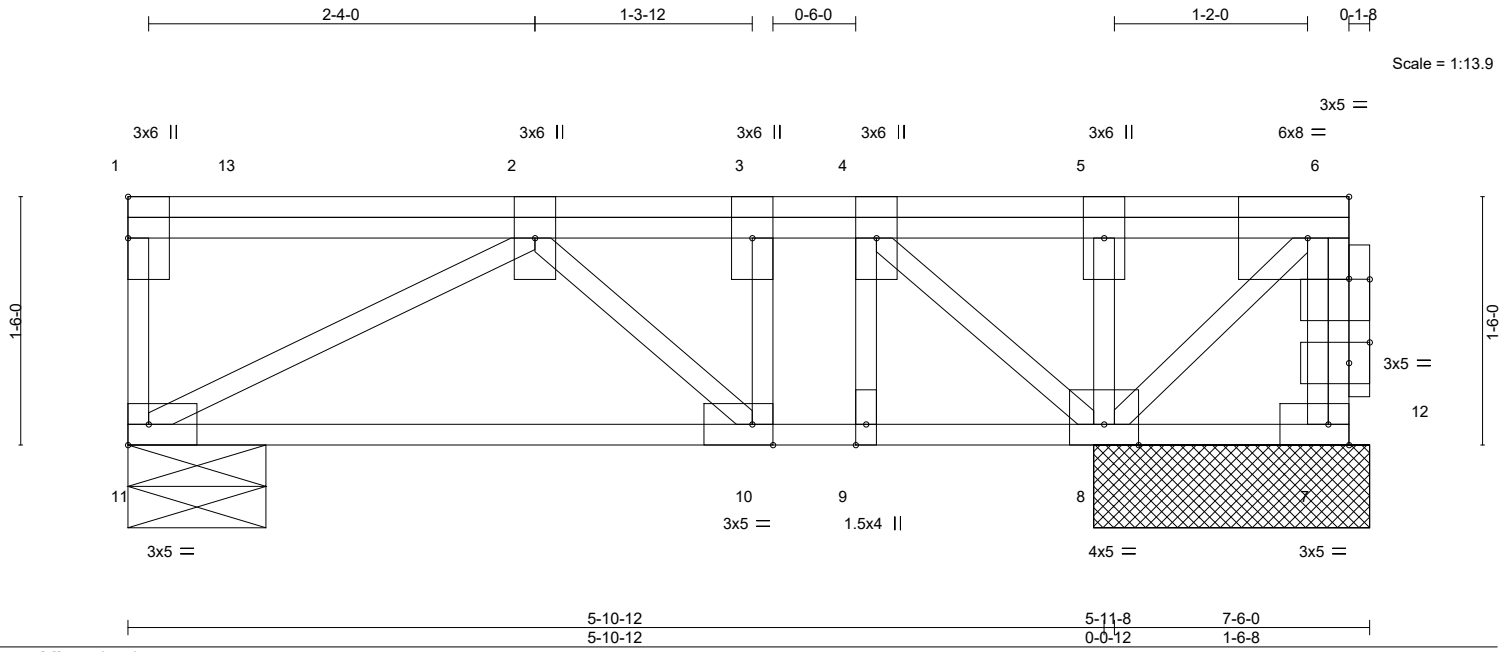

Plate Offsets (X,Y)-- [6:0-1-8,0-0-1], [6:0-3-0,Edge], [10:0-1-8,Edge], [12:0-1-8,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.01	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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.

REACTIONS. (size) 7=1-8-0, 8=1-8-0, 11=0-10-0
Max Uplift 7=-55(LC 3)
Max Grav 7=260(LC 4), 8=1638(LC 1), 11=1101(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-740/0, 6-7=-251/63, 2-3=-254/0, 3-4=-254/0
BOT CHORD 10-11=0/612, 9-10=0/254, 8-9=0/254
WEBS 5-8=-1135/0, 2-11=-698/0, 4-8=-553/0, 2-10=-520/0, 3-10=0/408

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 7.
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) 720 lb down at 0-8-8, and 720 lb down at 5-11-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-16, 1-13=-440(F=-360), 5-13=-80, 5-6=-440(F=-360)
Concentrated Loads (lb)
Vert: 5=-720(F) 13=-720(F)

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Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT17-**Cond2**	Floor	1	1	K10366941
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 8520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:47 2021 Page 1
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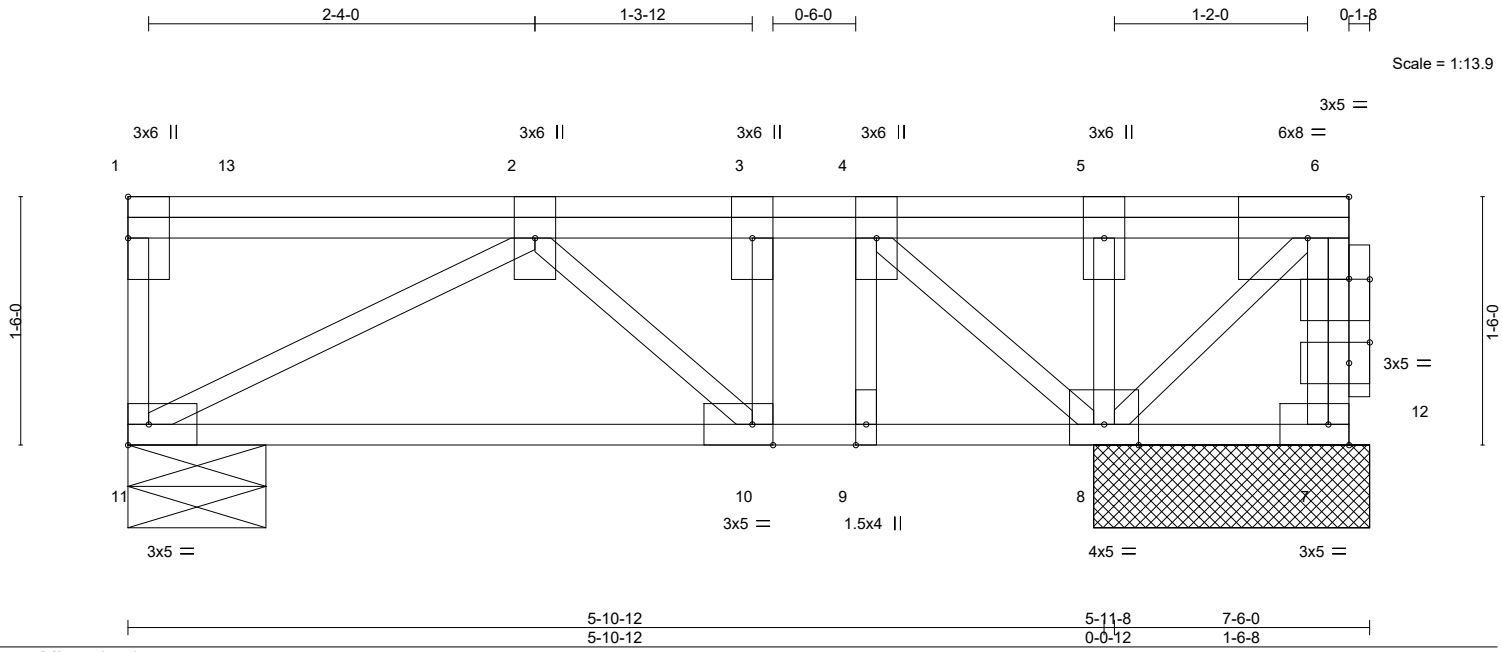

Plate Offsets (X,Y)-- [6:0-1-8,0-0-1], [6:0-3-0,Edge], [10:0-1-8,Edge], [12:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.01	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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.

REACTIONS. (size) 7=1-8-0, 8=1-8-0, 11=0-10-0
Max Uplift 7=-55(LC 3)
Max Grav 7=5429(LC 11), 8=1638(LC 11), 11=1101(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-740/0, 6-7=-251/63, 2-3=-254/0, 3-4=-254/0
BOT CHORD 10-11=0/612, 9-10=0/254, 8-9=0/254
WEBS 5-8=-1135/0, 2-11=-698/0, 4-8=-553/0, 2-10=-520/0, 3-10=0/408

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 7.
4) Load case(s) 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 720 lb down at 0-8-8, and 720 lb down at 5-11-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-16, 1-13=-440(F=-360), 5-13=-80, 5-6=-440(F=-360)
Concentrated Loads (lb)
Vert: 5=-720(F) 13=-720(F)
11) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-11=-16(F), 1-13=-440(F), 5-13=-80(F), 5-6=-440(F)
Concentrated Loads (lb)
Vert: 7=-5285(F) 5=-720(F) 13=-720(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT17-**Cond3**	Floor	1	1	K10366941
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:47 2021 Page 1
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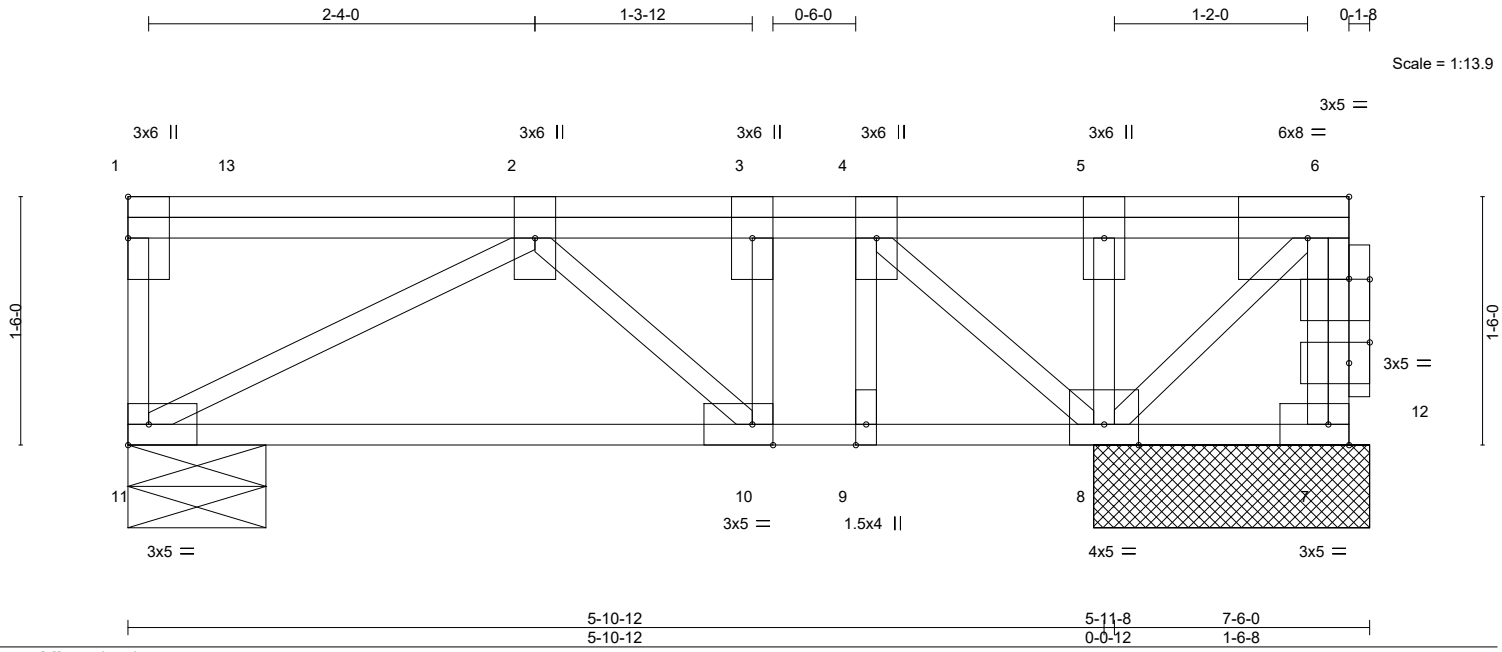

Plate Offsets (X,Y)-- [6:0-1-8,0-0-1], [6:0-3-0,Edge], [10:0-1-8,Edge], [12:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.01	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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.

REACTIONS. (size) 7=1-8-0, 8=1-8-0, 11=0-10-0
Max Uplift 7=-5141(LC 11)
Max Grav 7=260(LC 4), 8=1638(LC 11), 11=1101(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-740/0, 6-7=-251/63, 2-3=-254/0, 3-4=-254/0
BOT CHORD 10-11=0/612, 9-10=0/254, 8-9=0/254
WEBS 5-8=-1135/0, 2-11=-698/0, 4-8=-553/0, 2-10=-520/0, 3-10=0/408

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5141 lb uplift at joint 7.
4) Load case(s) 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 720 lb down at 0-8-8, and 720 lb down at 5-11-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-16, 1-13=-440(F=-360), 5-13=-80, 5-6=-440(F=-360)
Concentrated Loads (lb)
Vert: 5=-720(F) 13=-720(F)
11) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-11=-16(F), 1-13=-440(F), 5-13=-80(F), 5-6=-440(F)
Concentrated Loads (lb)
Vert: 7=5285(F) 5=-720(F) 13=-720(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT18	Floor Girder	2	1	K10366942
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:48 2021 Page 1
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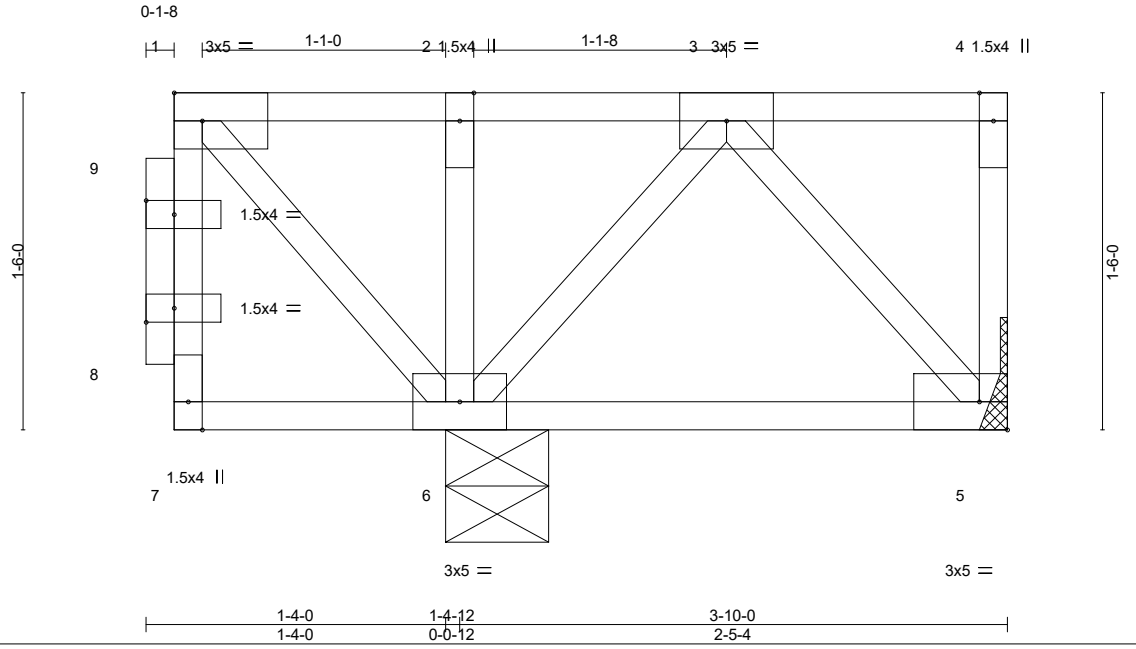

Plate Offsets (X,Y)-- [8:0-1-8,0-0-12], [9:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.00	6	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.01	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 6=0-5-8, 5=Mechanical
Max Grav 6=465(LC 1), 5=310(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-253/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Girder carries tie-in span(s): 7-6-0 from 1-4-0 to 3-8-8
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.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-7=-16, 1-2=-80, 2-4=-253(F=-173)

September 27,2021

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250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	FT19	Floor Girder	2	1	K10366943
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:48 2021 Page 1
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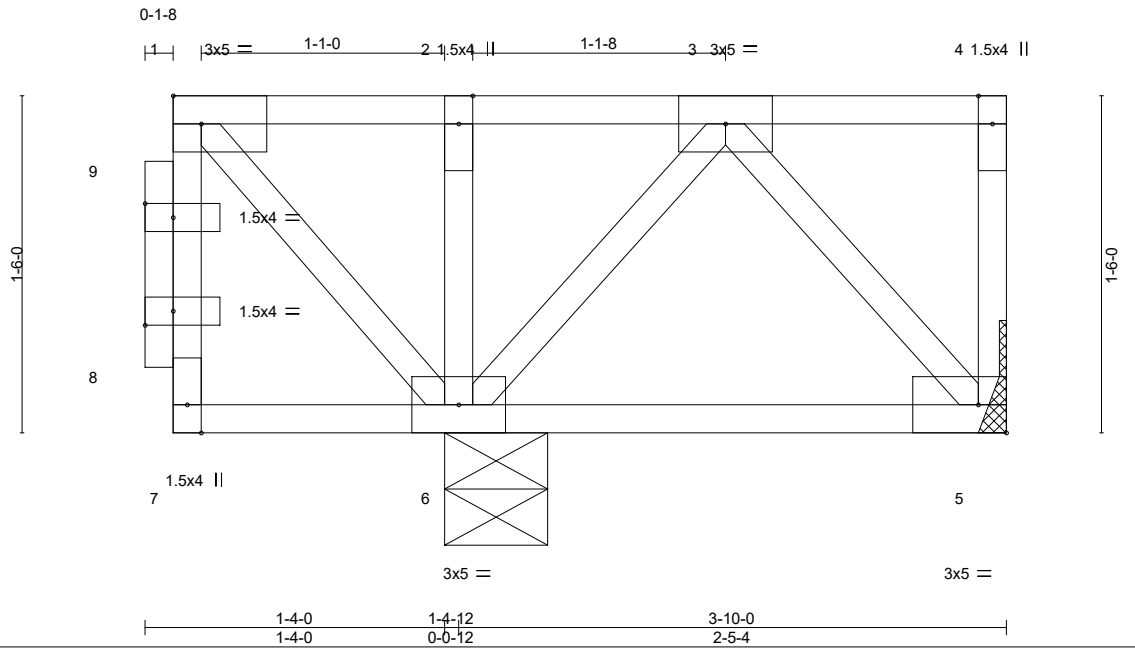

Plate Offsets (X,Y)-- [8:0-1-8,0-0-12], [9:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	0.00	6	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 6=0-5-8, 5=Mechanical
Max Uplift 5=-42(LC 3)
Max Grav 6=410(LC 1), 5=87(LC 4)

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

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 5.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-7=-16, 1-4=-80
Concentrated Loads (lb)
Vert: 1=-100(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-A	X1	FLOOR	12	1	K10366944
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:25:59 2021 Page 1
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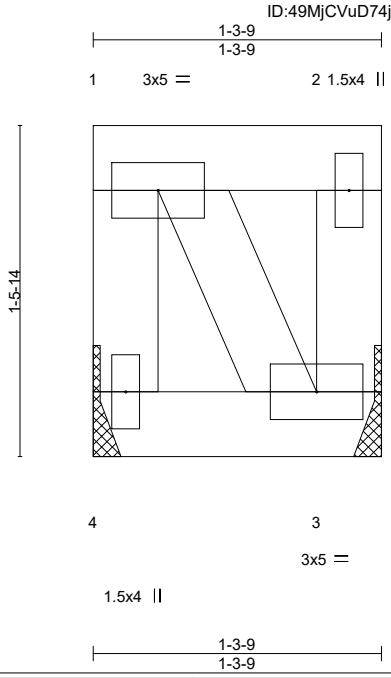

Scale = 1:10.4

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	0.03	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Grav 4=60(LC 1), 3=60(LC 1)

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

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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.

September 27,2021

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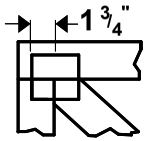
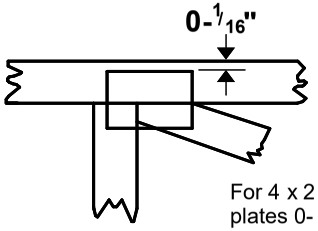
250 Klug Circle
Corona, CA 92880

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

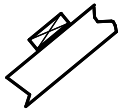
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

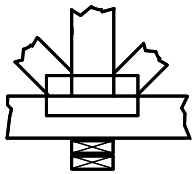
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

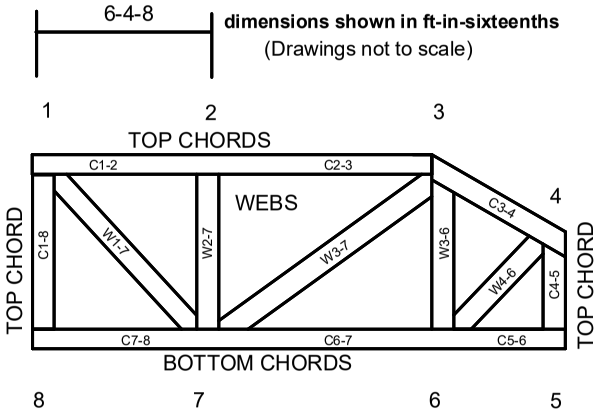


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

GARAGE: LEFT

LAY-OUT DIMENSIONS:
FEET - INCHES - SIXTEENTHS
(6'-7 3/4" = 6-7-12)
DRAWING IS NOT TO SCALE

****VERIFY ALL PLUMBING DROP LOCATIONS BEFORE FINAL PLACEMENT OF TRUSSES.
DO NOT SPACE TRUSSES MORE THAN 16" O.C.**

LOADING:
T.C. LL = 40 PSF
T.C. DL = 10 PSF
B.C. DL = 10 PSF

TOTAL LOAD: 60 PSF

2015 IRC CODE

NOTES:

1.) ALL FLOOR TRUSSES SHALL BE 18" DEEP SPACED AT 19.2" O.C. UNLESS NOTED OTHERWISE.

2.) ---- INDICATES (2X6) CONTINUOUS LATERAL/IMPACT BRACING W/TRUSSED BLOCKING PANELS SHOWN AS "X" . (SEE TRUSS ENGINEERING FOR LOCATION) (SEE DETAIL)

3.) INTERIOR BEARING / SHEAR WALL. (DESIGNED BY OTHERS) INSTALL SHEAR OR BLOCKING PANELS BETWEEN TRUSSES AS SHOWN.

4.) %% ALIGN (2X) CRIPPLE STUDS UNDER WINDOW TRIMMERS OR GIRDER TRUSS ABOVE. ATTACH TO (2X) CONTINUOUS RIBBON OR INSERT BETWEEN TRUSS TOP AND BOTTOM CHORDS. WHERE TRIMMERS AND GIRDER TRUSSES ALIGN W/TRUSS BELOW, INSTALL (1) CRIPPLE STUD TO EACH FACE OF TRUSS AS SHOWN. (SEE STRUCTURAL FRAMING PLAN FOR LOCATION) (CRIPPLE STUDS SHALL BE INSTALLED & PROVIDED BY FRAMER) %%

5.) INSTALL (2) 2x6x18" CRIPPLE STUDS TO ALIGN UNDER GIRDER TRUSS ABOVE. FLUSH TIGHT TO TOP OF BEARING WALL AND UNDERSIDE OF FLOOR DIAPHRAGM. (MUST BE INSTALLED BY FRAMER!!)

NOTES (CONT.)

6.) (2X4) CONTINOUS RIBBON TO TOP AND BOTTOM AT EXTERIOR BEARING/SHEAR WALL. (SEE STRUCTURAL FRAMING PLAN)

7.) INSTALL (3) 2x6x18" CRIPPLE STUDS TO ALIGN UNDER GIRDER TRUSS ABOVE. FLUSH TIGHT TO TOP OF BEARING WALL AND UNDERSIDE OF FLOOR DIAPHRAGM. (MUST BE INSTALLED BY FRAMER!!)

8.) (3-1/2") FLUSH GLU-LAM BEAM. (DESIGNED BY OTHERS...SEE STRUCTURAL PLAN)

9.) (5-1/2") FLUSH GLU-LAM BEAM (DESIGNED BY OTHERS...(SEE STRUCTURAL PLAN)

10.) ROOF GIRDER TRUSS...SEE ROOF TRUSS LAY-OUT AND STRUCTURAL PLAN.

11.) (2) 2X4 FLAT BLOCKS BETWEEN TOP CHORD BEARING TRUSSES, PROVIDED & INSTALLED BY OTHERS.

12.) EXTEND (3-1/2") FLUSH GLU-LAM BEAM 0'-04" THIS END FOR JOIST HANGER INSTALLATION.

13.) TRUSS BLOCKING BETWEEN TRUSSES FOR STRAP...(SEE STRUCTURAL PLAN)

NOTE: ALL HANGER NAILS MUST BE 16d SINKER (3-1/4" LONG)....TYP. UNLESS NOTED OTHERWISE

QTY	TYPE	SYMBOL
11	THA413	①
2	HUC48	②

CAUTION: DO NOT CUT, DRILL OR ALTER ANY TRUSSES WITHOUT PRIOR APPROVAL FROM ROOF TRUSS SUPPLY, INC.

INSTALLATION NOTE:

DO NOT INSTALL TRUSSES IN REVERSE OR "UP-SIDE-DOWN"!! SEE TRUSS ENGINEERING FOR PROPER INSTALLATION. ALIGN INTERIOR BEARING AS SHOWN ON ENGINEERING DRAWINGS.

FLOOR LAY-OUT LEGEND:

SYMBOL	DESCRIPTION
▲	**LEFT END OF TRUSS** *(**DO NOT INSTALL TRUSSES IN REVERSE OR UPSIDE DOWN. SEE TRUSS ENGINEERING FOR CORRECT TRUSS PLACEMENT)*
$$	**TRUSS LAY-OUT SHIFTED** *(TRUSS LAY-OUT SHIFTED TO AVOID PLUMBING DROPS. **DO NOT CUT, DRILL OR ALTER ANY TRUSSES WITHOUT PRIOR APPROVAL FROM RTS)*
##	**ADDITIONAL TRUSS ADDED** *(**ADDITIONAL FLOOR TRUSS ADDED TO AVOID "OVERSPACING" OF SUBFLOOR)*

MULHERN+KULP
STRUCTURAL ENGINEERING

SUBMITTAL #: ☒1 ☐2 ☐3 ☐4

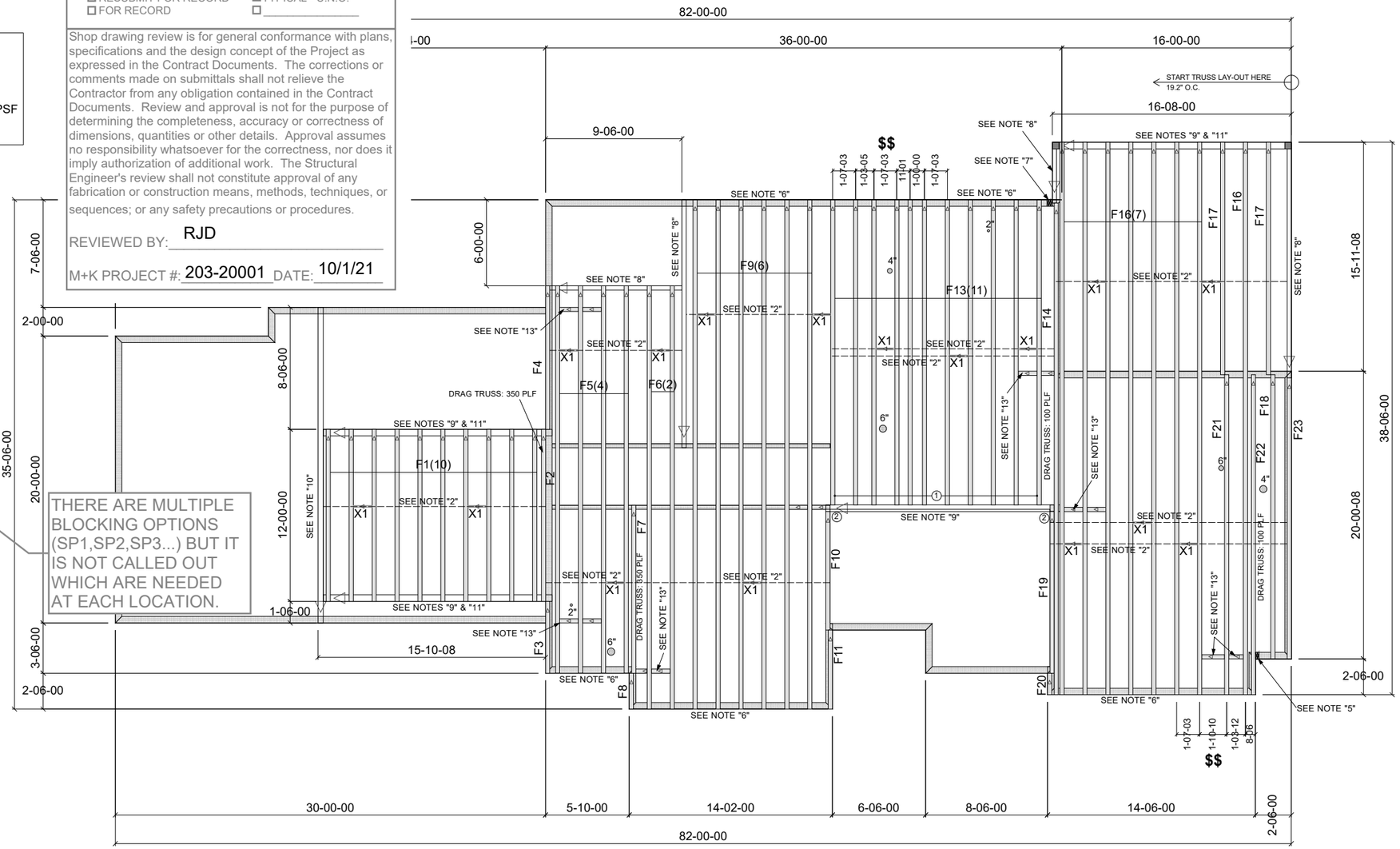
☐ NO EXCEPTIONS TAKEN ☐ REVISE AND RESUBMIT
☒ APPROVED AS NOTED ☐ REJECTED - RESUBMIT
☐ REVIEWED ONLY ☐ NOT REVIEWED

☐ RESUBMIT FOR RECORD ☐ TYPICAL - U.N.O.
☐ FOR RECORD ☐ _____

Shop drawing review is for general conformance with plans, specifications and the design concept of the Project as expressed in the Contract Documents. The corrections or comments made on submittals shall not relieve the Contractor from any obligation contained in the Contract Documents. Review and approval is not for the purpose of determining the completeness, accuracy or correctness of dimensions, quantities or other details. Approval assumes no responsibility whatsoever for the correctness, nor does it imply authorization of additional work. The Structural Engineer's review shall not constitute approval of any fabrication or construction means, methods, techniques, or sequences; or any safety precautions or procedures.

REVIEWED BY: RJD

M+K PROJECT #: 203-20001 DATE: 10/1/21



Job #: J-21-01725-B		Issue Date: 6/10/2021
Customer: HBG		
Project: HIGHLAND BUILDERS		Revision-2 8/3/21
Plan: LOT 2 UPPER FLOOR		Revision-3 / /
Delivery:	Drawn By:	

Above plan provided for truss placement only. Refer to truss calculations and engineering structural drawings for all futher information. Building designer/ engineer of record are responsible for all non truss to truss connections. Building designer/engineer of record to review and approve all designs prior to construction.

RTS
ROOF TRUSS SUPPLY, INC.

MiTek USA, Inc.
250 Klug Circle
Corona, CA 92880
951-245-9525

Re: J-21-01725-B
HBG-LOT 2

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Roof Truss Supply.

Pages or sheets covered by this seal: K10366957 thru K10366984

My license renewal date for the state of Washington is September 28, 2023.

September 27,2021

Zhao, Xiaoming

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F1	Floor	10	1	K10366957
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:00 2021 Page 1
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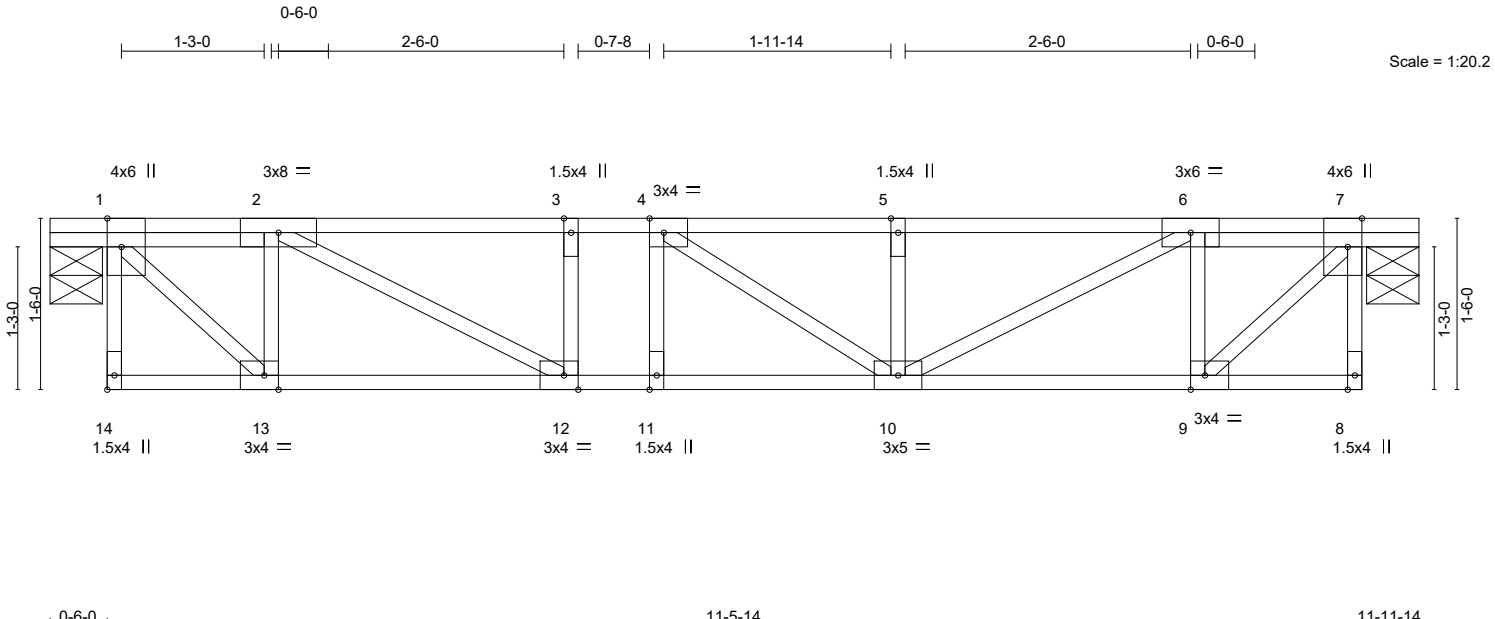

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [4:0-1-8,Edge], [7:0-3-0,Edge], [9:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [14:Edge,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.04	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.06	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 1=0-5-8, 7=0-5-8
Max Grav 1=521(LC 1), 7=521(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-490/0, 2-3=-1002/0, 3-4=-1002/0, 4-5=-995/0, 5-6=-995/0, 6-7=-492/0
BOT CHORD 12-13=0/489, 11-12=0/1002, 10-11=0/1002, 9-10=0/491
WEBS 2-13=-436/0, 1-13=0/676, 6-9=-433/0, 7-9=0/679, 6-10=0/568, 2-12=0/579

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F2	Floor	1	1	K10366958
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:14 2021 Page 1
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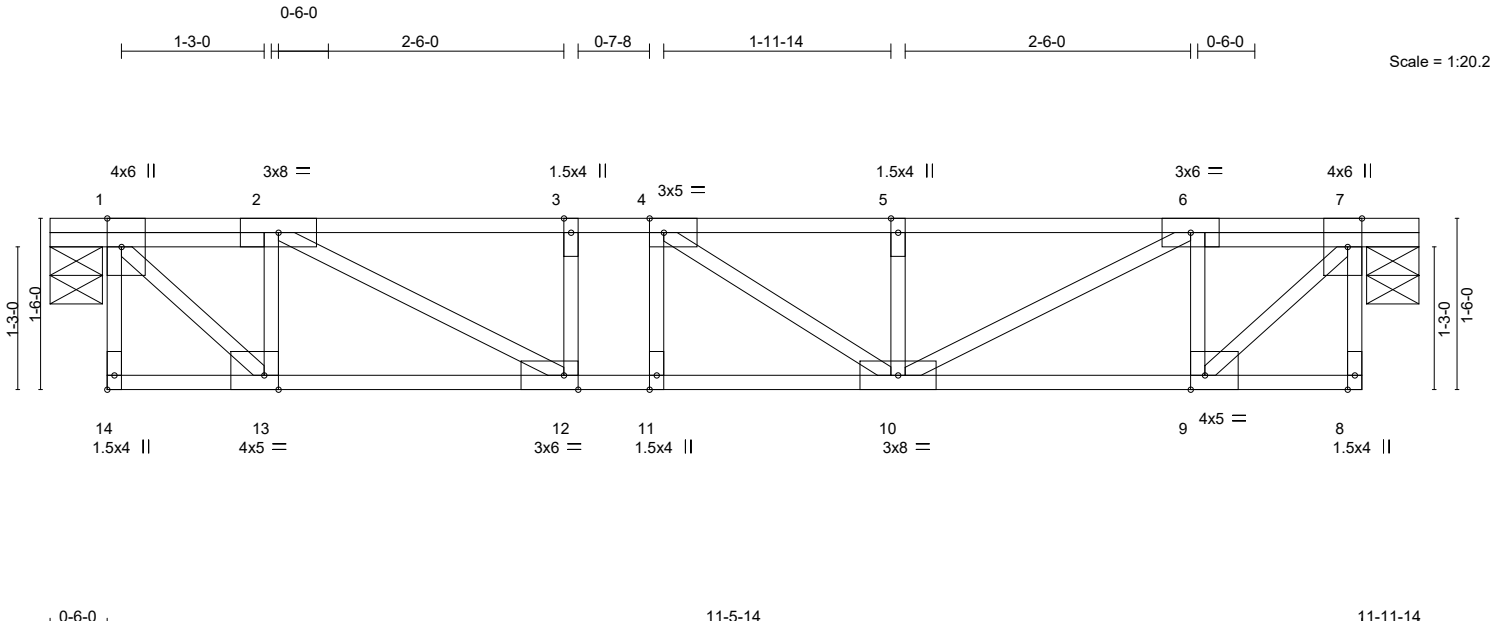

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [4:0-1-8,Edge], [7:0-3-0,Edge], [9:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [14:Edge,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.46	Vert(LL)	-0.08	10-11	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.10	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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, Except: 10-0-0 oc bracing: 11-12.

REACTIONS. (size) 1=0-5-8, 7=0-5-8
Max Uplift 1=-359(LC 6), 7=-359(LC 7)
Max Grav 1=807(LC 3), 7=807(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-714/278, 2-3=-1620/779, 3-4=-1002/0, 4-5=-1372/504, 5-6=-1496/624, 6-7=-760/336
BOT CHORD 13-14=-481/481, 12-13=-816/1117, 11-12=0/1002, 10-11=-607/1491, 9-10=-664/1074, 8-9=-481/433
WEBS 2-13=-725/403, 1-13=-449/1034, 6-9=-707/383, 7-9=-531/1099, 6-10=-814/1199, 2-12=-1056/1406, 3-12=-375/260, 4-10=-1081/1077, 4-11=-289/292

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=359, 7=359.
4) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-11-14 for 350.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F3-**Cond1**	GABLE	1	1	K10366959
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:22 2021 Page 1
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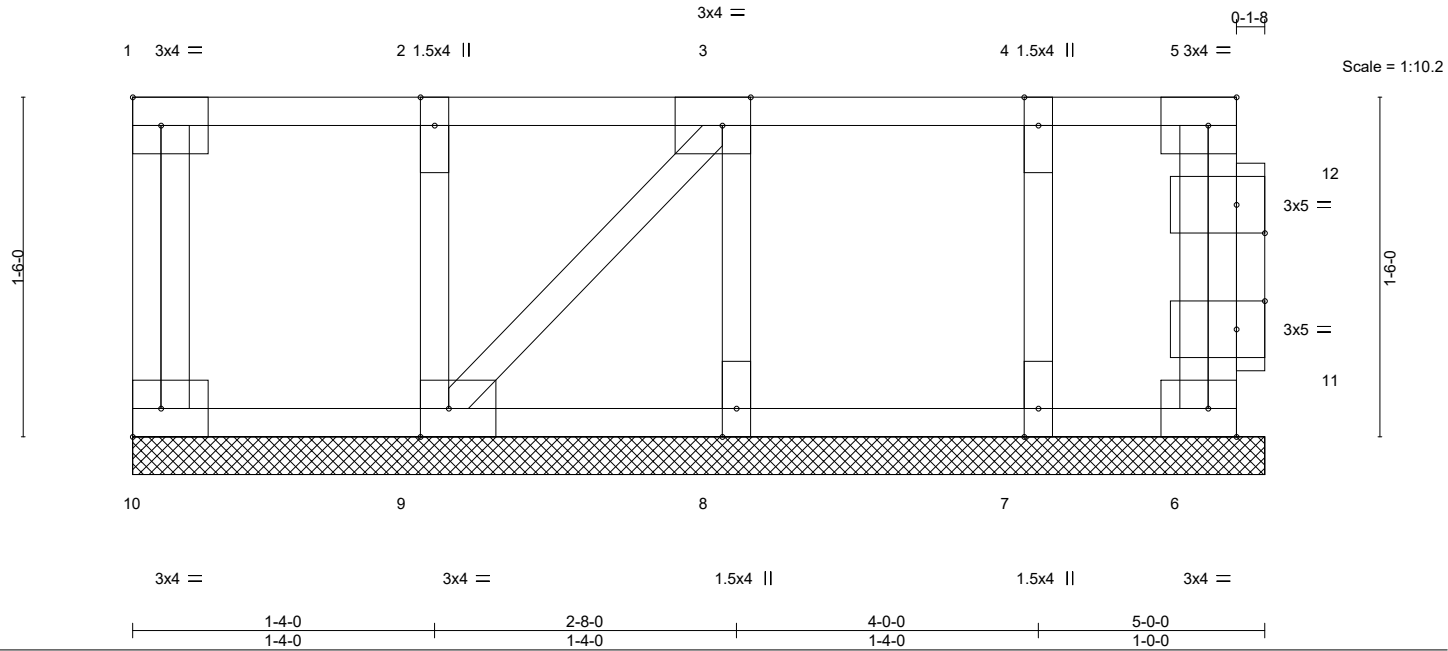

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,0-1-8], [12:0-1-8,0-1-8]

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 5-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10 except 6=882(LC 1), 9=536(LC 1), 8=513(LC 1), 7=448(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-877/0
WEBS 2-9=-508/0, 3-8=-486/0, 4-7=-424/0

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 800 lb down at 4-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-20, 1-5=-360(F=-260)
Concentrated Loads (lb)
Vert: 5=-800(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F3-**Cond2**	GABLE	1	1	K10366959
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:22 2021 Page 1
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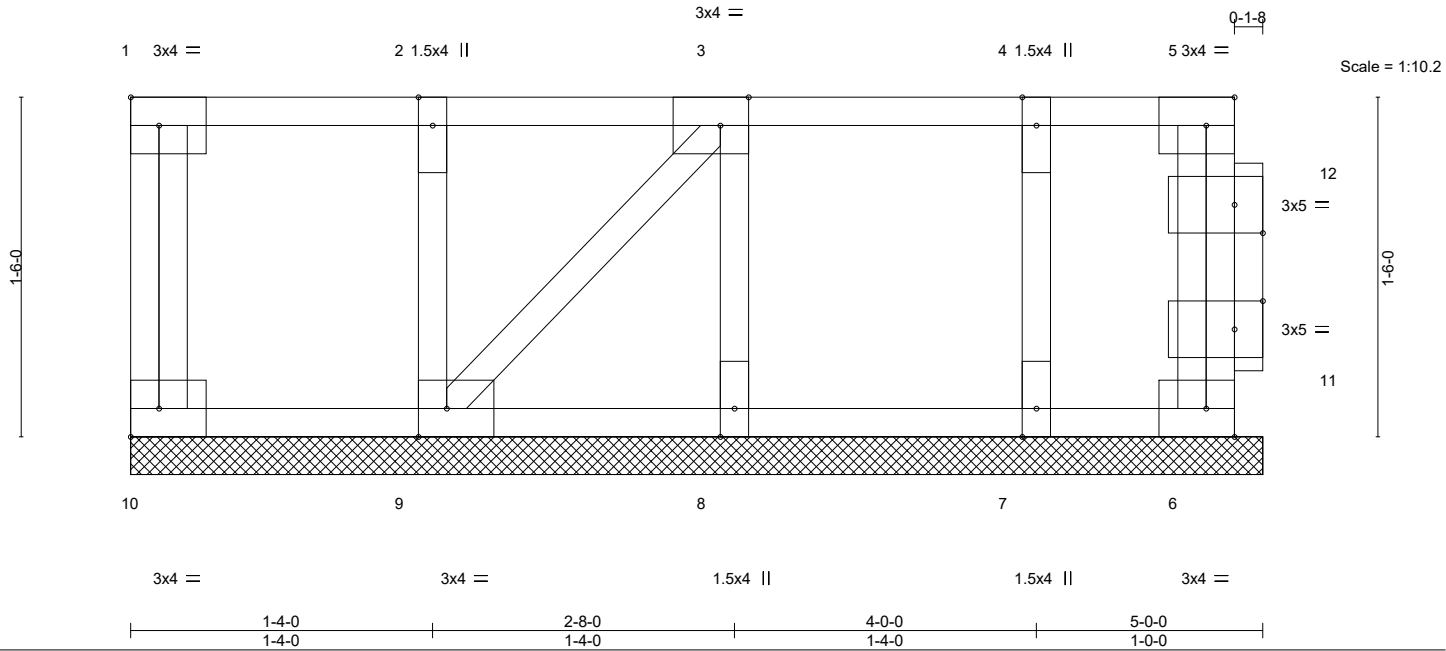

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,0-1-8], [12:0-1-8,0-1-8]

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 5-0-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 6=-823(LC 3)
Max Grav All reactions 250 lb or less at joint(s) except 10=1884(LC 3), 6=882(LC 1), 9=536(LC 1), 8=513(LC 1), 7=448(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-877/0
WEBS 2-9=-508/0, 3-8=-486/0, 4-7=-424/0

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 823 lb uplift at joint 6.
6) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) 800 lb down at 4-9-0 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-20, 1-5=-360(F=-260)
Concentrated Loads (lb)
Vert: 5=-800(F)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-10=-20(F), 1-5=-360(F)

Continued on page 2

MiTek
250 Klug Circle
Corona, CA 92880

LOAD CASE(S)

Concentrated Loads (lb)

Vert: 10=-1705(F) 6=1705(F) 5=-800(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F3-Cond3	GABLE	1	1	K10366959
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:23 2021 Page 1
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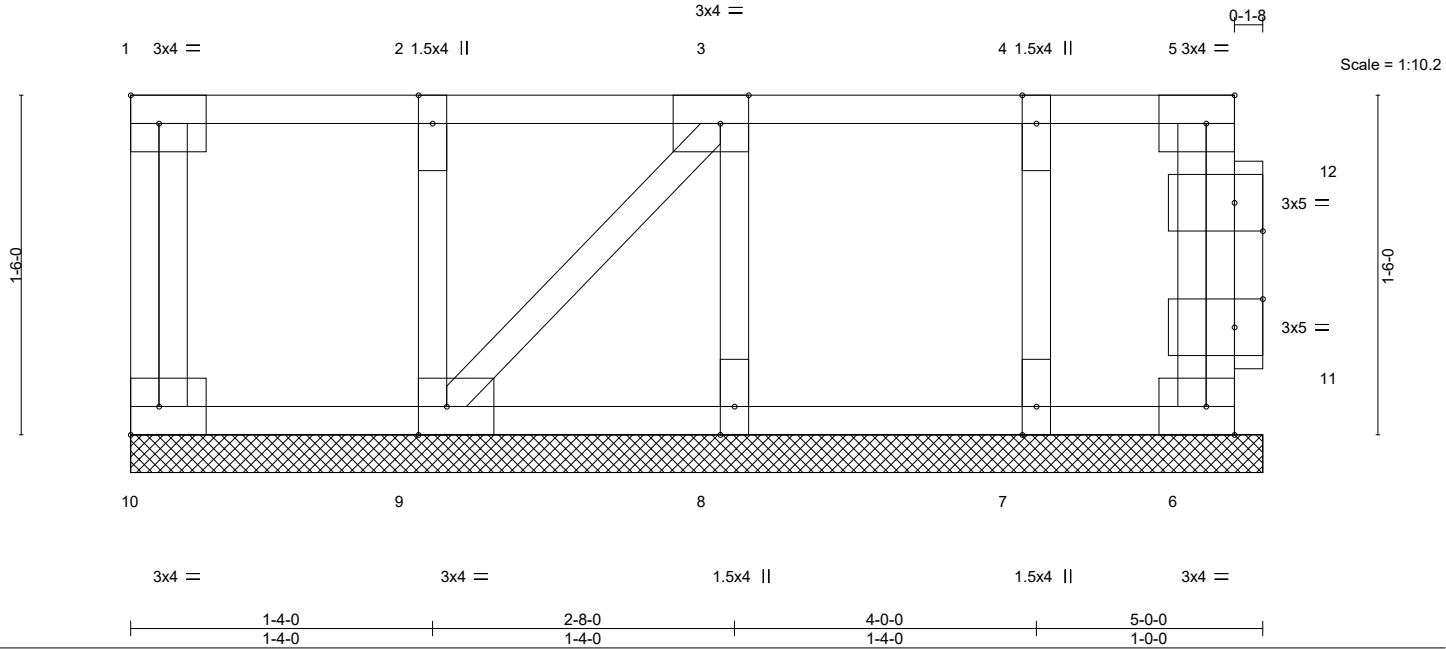

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,0-1-8], [12:0-1-8,0-1-8]

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 5-0-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 10=-1526(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 10 except 6=2587(LC 3), 9=536(LC 1), 8=513(LC 1), 7=448(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-877/0
WEBS 2-9=-508/0, 3-8=-486/0, 4-7=-424/0

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1526 lb uplift at joint 10.
6) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) 800 lb down at 4-9-0 on top 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-20, 1-5=-360(F=-260)
Concentrated Loads (lb)
Vert: 5=-800(F)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-10=-20(F), 1-5=-360(F)

Continued on page 2

MiTek
250 Klug Circle
Corona, CA 92880

LOAD CASE(S)

Concentrated Loads (lb)

Vert: 10=1705(F) 6=-1705(F) 5=-800(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F4-**Cond1**	GABLE	1	1	K10366960
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:25 2021 Page 1
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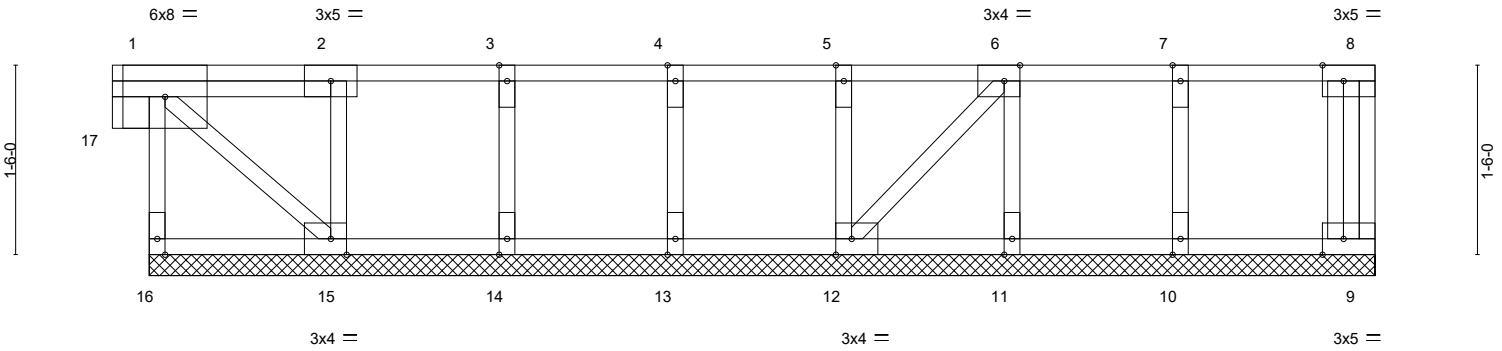


0-3-8	1-9-8	3-1-8	4-5-8	5-9-8	7-1-8	8-5-8	9-9-8	10-0-0
0-3-8	1-6-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-2-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [8:0-2-0,Edge], [9:0-2-0,Edge], [12:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 HF No.2(flat)
BOT CHORD	2x4 HF No.2(flat)
WEBS	2x4 HF Stud/Std(flat) *Except* 1-17: 4x4 DF No.2&BTR G(flat)
OTHERS	2x4 HF Stud/Std(flat)

BRACING- [MCT]

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

REACTIONS. All bearings 9-8-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9 except 15=629(LC 1), 14=495(LC 1), 13=508(LC 1), 12=565(LC 1), 11=426(LC 1), 10=614(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-15=-562/0, 3-14=-470/0, 4-13=-481/0, 5-12=-486/0, 6-11=-401/0, 7-10=-581/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-16=-20, 1-8=-360(F=-260)

September 27,2021

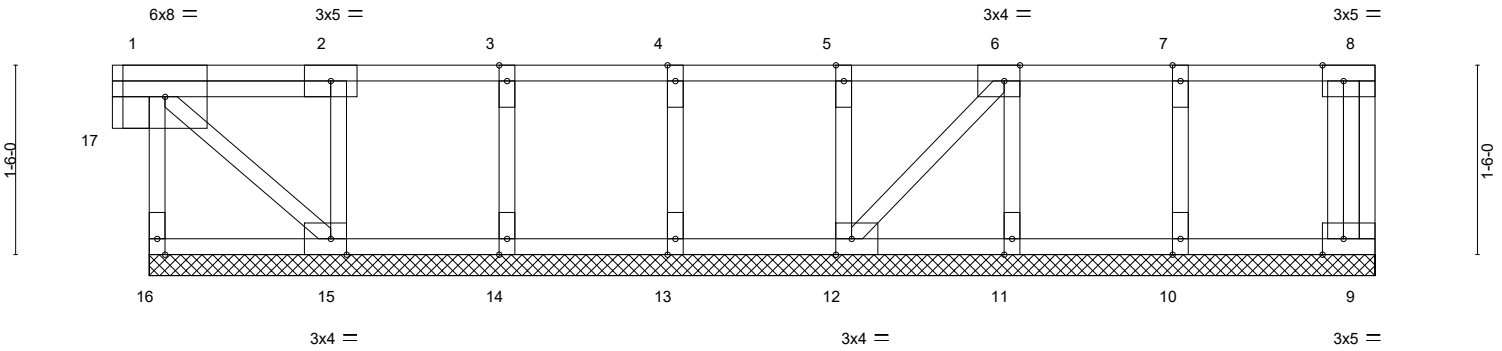
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F4-**Cond2**	GABLE	1	1	K10366960
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:25 2021 Page 1
ID:DfeCB8LIBJ?Z9ZvzZY7m?Fzu4Tw-reEf2nLLnVVv4k4Jgk5QMrjFKFj8QOwPUGSSdFyZPBW

0-3-8

Scale = 1:18.2



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

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [8:0-2-0,Edge], [9:0-2-0,Edge], [12:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 HF No.2(flat)
BOT CHORD	2x4 HF No.2(flat)
WEBS	2x4 HF Stud/Std(flat) *Except* 1-17: 4x4 DF No.2&BTR G(flat)
OTHERS	2x4 HF Stud/Std(flat)

BRACING- [MCT]

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

REACTIONS. All bearings 9-8-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 16 except 9=1931(LC 3), 15=629(LC 1), 14=495(LC 1), 13=508(LC 1), 12=565(LC 1), 11=426(LC 1), 10=614(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-15=-562/0, 3-14=-470/0, 4-13=-481/0, 5-12=-486/0, 6-11=-401/0, 7-10=-581/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-16=-20, 1-8=-360(F=-260)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 9-16=-20(F), 1-8=-360(F)
Concentrated Loads (lb)
Vert: 9=-1705(F)

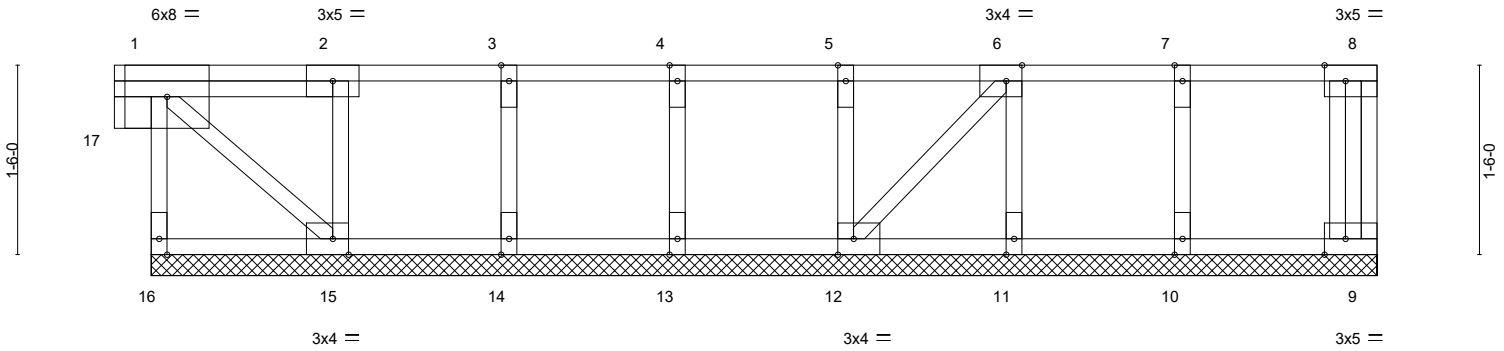
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F4-**Cond3**	GABLE	1	1	K10366960
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:25 2021 Page 1
ID:DfeCB8LIBJ?Z9ZvzZY7m?Fzu4Tw-reEf2nLLnVVv4k4Jgk5QMrjFKFj8QOwPUGSSdFyZPBW

0-3-8

Scale = 1:18.2



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

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [8:0-2-0,Edge], [9:0-2-0,Edge], [12:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 44 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 HF No.2(flat)
BOT CHORD	2x4 HF No.2(flat)
WEBS	2x4 HF Stud/Std(flat) *Except* 1-17: 4x4 DF No.2&BTR G(flat)
OTHERS	2x4 HF Stud/Std(flat)

BRACING- [MCT]

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

REACTIONS. All bearings 9-8-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 9=-1479(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 16, 9 except 15=629(LC 1), 14=495(LC 1), 13=508(LC 1), 12=565(LC 1), 11=426(LC 1), 10=614(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-15=-562/0, 3-14=-470/0, 4-13=-481/0, 5-12=-486/0, 6-11=-401/0, 7-10=-581/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1479 lb uplift at joint 9.
8) Load case(s) 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . 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 Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-16=-20, 1-8=-360(F=-260)
3) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 9-16=-20(F), 1-8=-360(F)

Continued on page 2

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LOAD CASE(S)

Concentrated Loads (lb)

Vert: 9=1705(F)

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F5	Floor	4	1	K10366961
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:26 2021 Page 1
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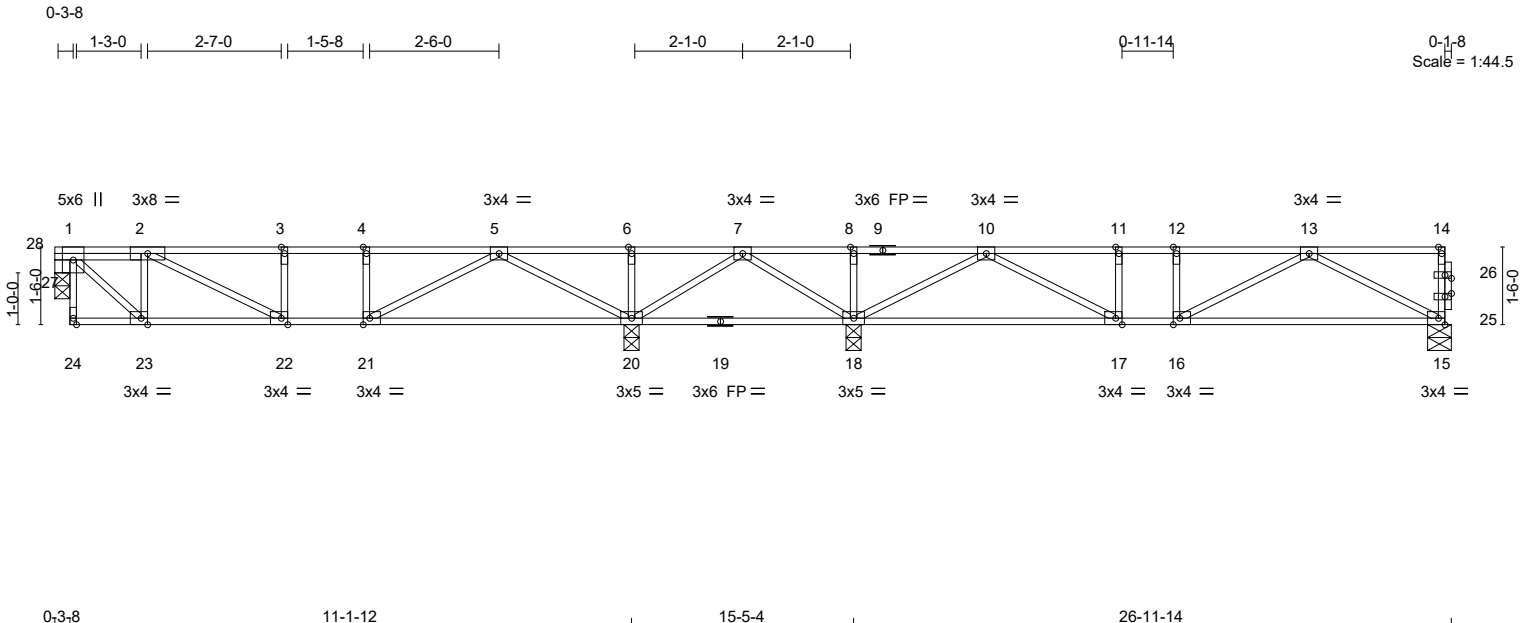

0-3-8	11-1-12	15-5-4	26-11-14	
0-3-8	10-10-4	4-3-8	11-6-10	

Plate Offsets (X,Y)-- [16:0-1-8,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [25:0-1-8,0-0-12], [26:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.07	15-16	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.32	15-16	>424	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 110 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
1-27: 4x4 DF No.2&BTR G(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: 18-20.

REACTIONS. All bearings 0-3-8 except (jt=length) 15=0-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 15=747(LC 5), 20=920(LC 14), 18=918(LC 11), 28=444(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-338/0, 1-2=-467/0, 2-3=-793/0, 3-4=-793/0, 4-5=-793/0, 5-6=0/656, 6-7=0/656, 7-8=0/523, 8-10=0/523, 10-11=-913/0, 11-12=-913/0, 12-13=-913/0
BOT CHORD 22-23=0/467, 21-22=0/793, 20-21=0/355, 18-20=-465/0, 17-18=0/429, 16-17=0/913, 15-16=0/695
WEBS 2-23=-384/0, 1-23=0/623, 2-22=0/365, 5-20=-960/0, 5-21=0/507, 7-20=-371/34, 7-18=-346/59, 10-18=-986/0, 10-17=0/562, 13-15=-789/0, 13-16=0/267, 1-28=-447/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Bearing at joint(s) 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) 260 lb down at 26-9-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-24=-16, 1-14=-80
Concentrated Loads (lb)
Vert: 14=-260(F)

September 27,2021

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250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F6	Floor	2	1	K10366962
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:28 2021 Page 1
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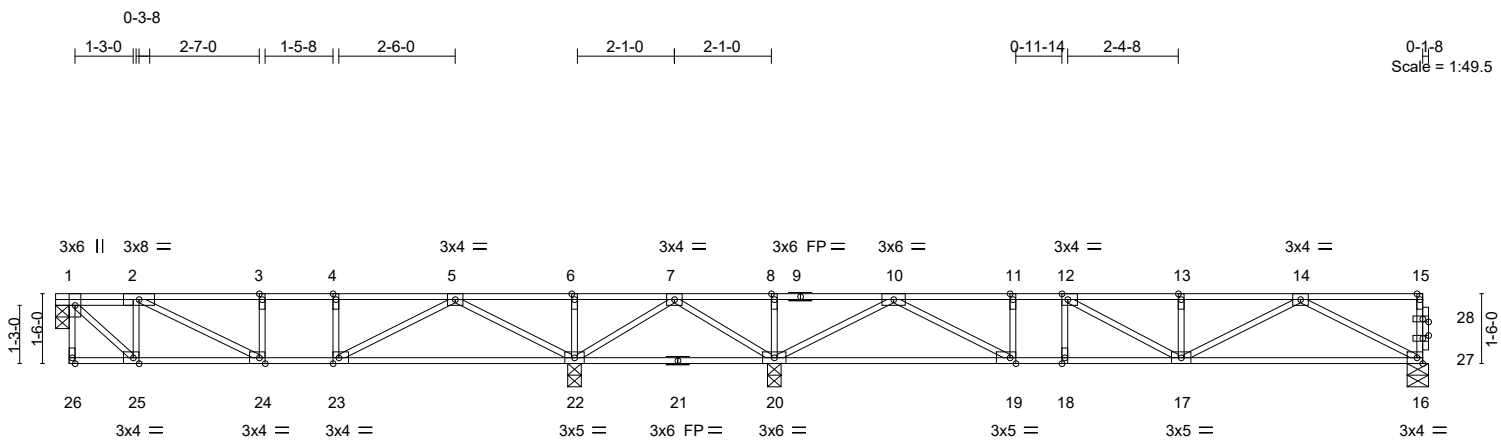

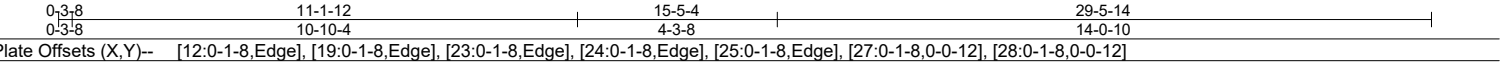

Plate Offsets (X,Y)-- [12:0-1-8,Edge], [19:0-1-8,Edge], [23:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [27:0-1-8,0-0-12], [28:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.11	17-18	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.15	16-17	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 119 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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: 20-22.

REACTIONS. All bearings 0-3-8 except (jt=length) 16=0-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 16=778(LC 11), 1=447(LC 5), 22=863(LC 3), 20=1146(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-274/0, 1-2=-429/0, 2-3=-765/0, 3-4=-765/0, 4-5=-765/0, 5-6=0/669, 6-7=0/669, 7-8=0/756, 8-10=0/756, 10-11=-1169/0, 11-12=-1169/0, 12-13=-1345/0, 13-14=-1345/0
BOT CHORD 24-25=0/429, 23-24=0/765, 22-23=0/335, 20-22=-621/0, 19-20=0/394, 18-19=0/1169, 17-18=0/1169, 16-17=0/880
WEBS 2-25=-363/0, 1-25=0/592, 11-19=-257/0, 2-24=0/377, 5-22=-952/0, 5-23=0/497, 7-22=-276/203, 7-20=-512/0, 10-20=-1280/0, 10-19=0/890, 14-16=-999/0, 14-17=0/528, 12-17=-29/290

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down at 29-3-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-16, 1-15=-80
Concentrated Loads (lb)
Vert: 15=-190(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F7-Cond1	Floor	1	1	K10366963
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:31 2021 Page 1
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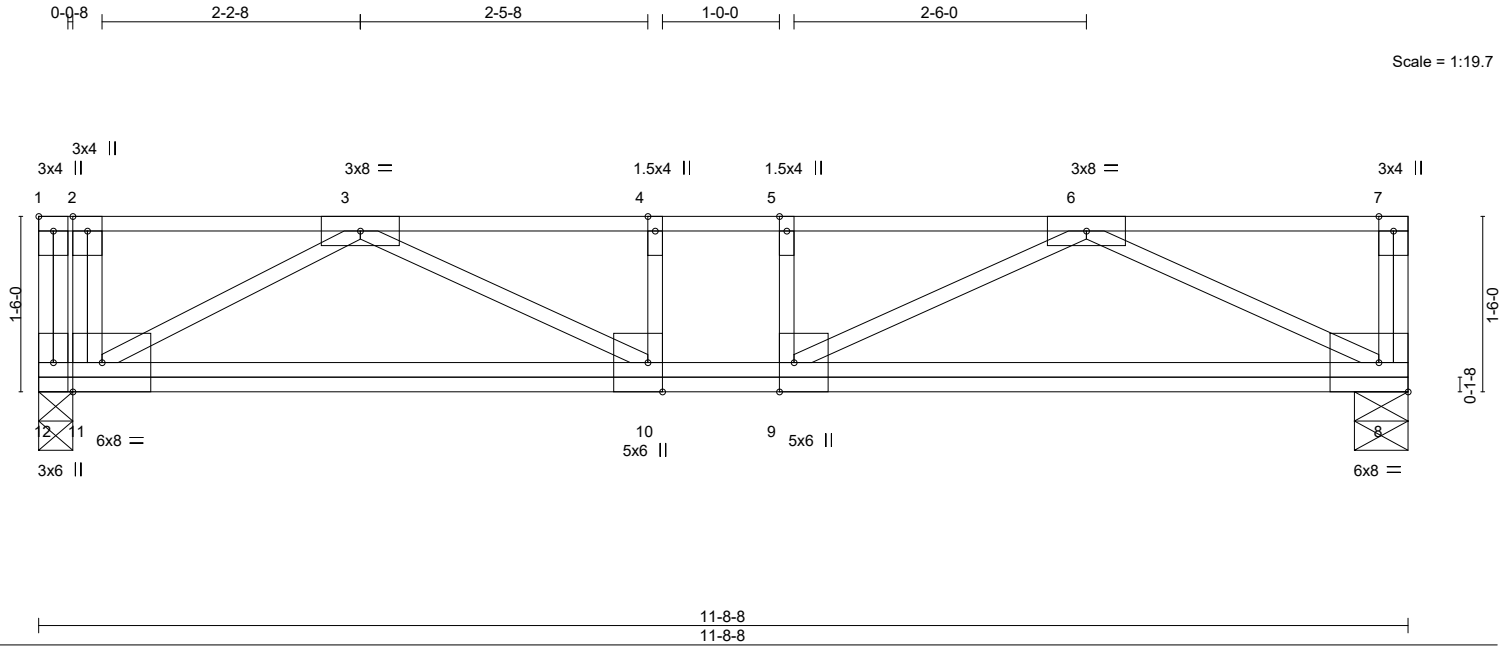

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-3-0,Edge], [10:0-3-0,Edge], [11:0-3-0,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.11	8-9	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.14	8-9	>956	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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: 11-12.

REACTIONS. (size) 12=0-3-8, 8=0-5-8
Max Uplift 12=-313(LC 6), 8=-313(LC 7)
Max Grav 12=803(LC 3), 8=803(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-919/837, 3-4=-1860/754, 4-5=-1237/0, 5-6=-1839/725, 6-7=-919/827
BOT CHORD 10-11=-661/1313, 9-10=0/1237, 8-9=-642/1305
WEBS 3-11=-1594/840, 3-10=-1061/1410, 6-8=-1612/855, 6-9=-988/1331

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 12 and 313 lb uplift at joint 8.
4) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-8-8 for 350.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F7-Cond2	Floor	1	1	K10366963
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:31 2021 Page 1
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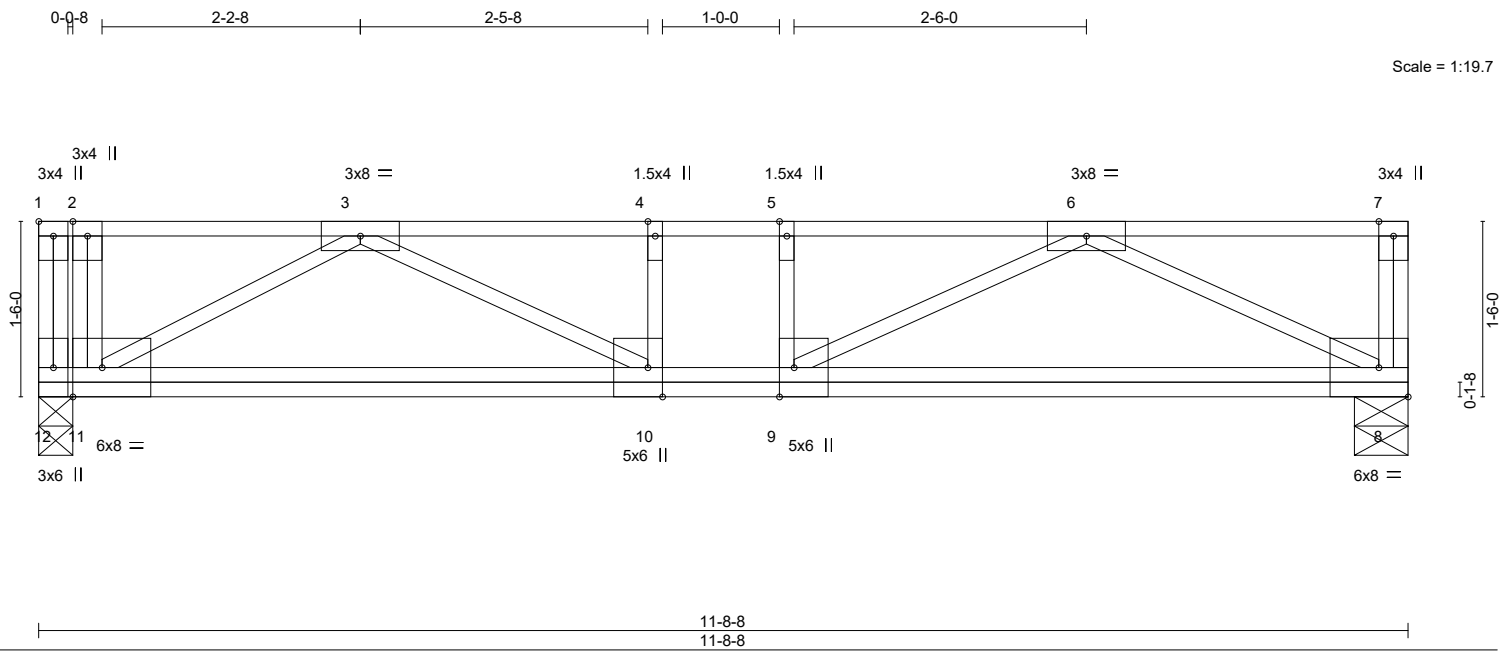

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-3-0,Edge], [10:0-3-0,Edge], [11:0-3-0,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.23	10-11	>606	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.27	10-11	>506	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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: 11-12.

REACTIONS. (size) 12=0-3-8, 8=0-5-8
Max Uplift 12=-313(LC 6), 8=-313(LC 7)
Max Grav 12=2211(LC 14), 8=803(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-613/0, 2-3=-919/837, 3-4=-1860/754, 4-5=-1468/0, 5-6=-1839/725, 6-7=-919/827
BOT CHORD 10-11=-661/1313, 9-10=0/1468, 8-9=-642/1305
WEBS 3-11=-1594/840, 3-10=-1061/1410, 6-8=-1612/855, 6-9=-988/1331, 2-11=0/617

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 12 and 313 lb uplift at joint 8.
4) Load case(s) 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-8-8 for 350.0 plf.
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) . The design/selection of such connection device(s) is the responsibility of others.
8) 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 Except:
14) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 8-12=-16(F), 1-7=-80(F)
Concentrated Loads (lb)
Vert: 11=-1705(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F7- **Cond3**	Floor	1	1	K10366963
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:31 2021 Page 1
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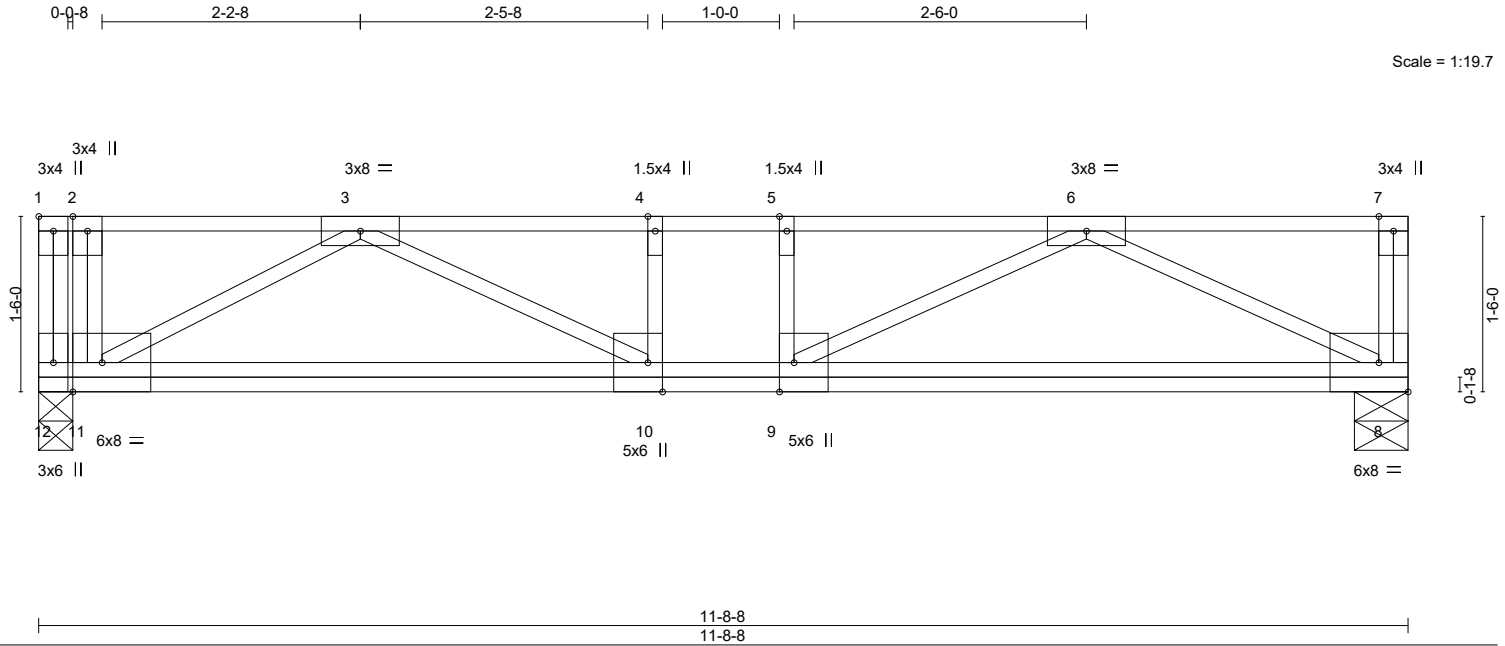

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-3-0,Edge], [10:0-3-0,Edge], [11:0-3-0,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.11	8-9	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.14	8-9	>956	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING- [MCT]
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: 11-12.

REACTIONS. (size) 12=0-3-8, 8=0-5-8
Max Uplift 12=-1112(LC 14), 8=-313(LC 7)
Max Grav 12=803(LC 3), 8=803(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-129/356, 2-3=-919/837, 3-4=-1860/754, 4-5=-1237/0, 5-6=-1839/725, 6-7=-919/827
BOT CHORD 10-11=-661/1313, 9-10=0/1237, 8-9=-642/1305
WEBS 3-11=-1594/840, 3-10=-1061/1410, 6-8=-1612/855, 6-9=-988/1331, 2-11=-511/76

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1112 lb uplift at joint 12 and 313 lb uplift at joint 8.
4) Load case(s) 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-8-8 for 350.0 plf.
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) . The design/selection of such connection device(s) is the responsibility of others.
8) 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 Except:
14) User defined: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 8-12=-16(F), 1-7=-80(F)
Concentrated Loads (lb)
Vert: 11=1705(F)

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F8	GABLE	1	1	K10366964
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:33 2021 Page 1
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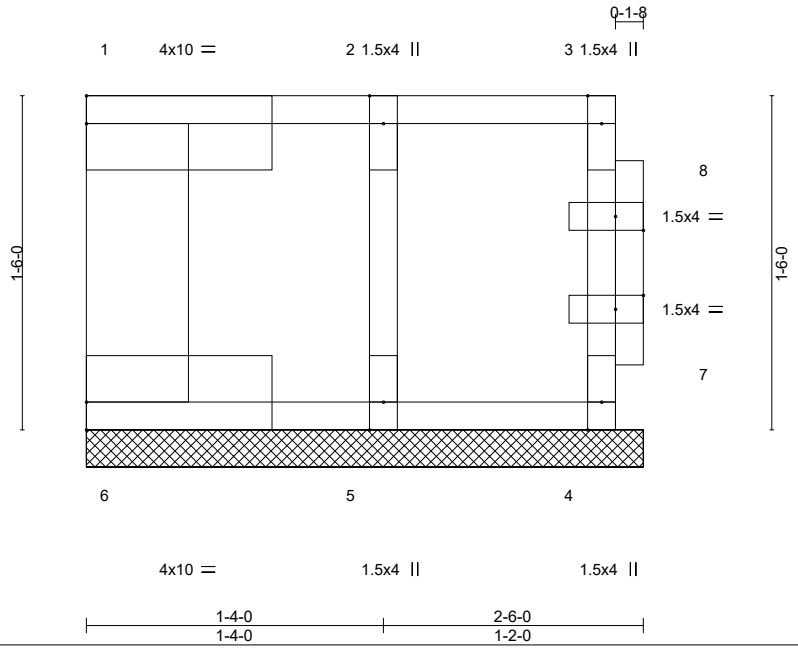

Plate Offsets (X,Y)-- [1:0-0-0,0-1-8], [6:0-0-0,0-1-8], [7:0-1-8,0-0-12], [8:0-1-8,0-0-12]

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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 16 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
1-6: 4X6 DF No.2&BTR G(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 6=2-6-0, 4=2-6-0, 5=2-6-0
Max Grav 6=5275(LC 1), 4=200(LC 1), 5=743(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-705/0, 1-6=-5268/0

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 5030 lb down at 0-2-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-6=-20, 1-3=-550(F=-450)
Concentrated Loads (lb)
Vert: 1=-5030(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F9	Floor	6	1	K10366965
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:34 2021 Page 1
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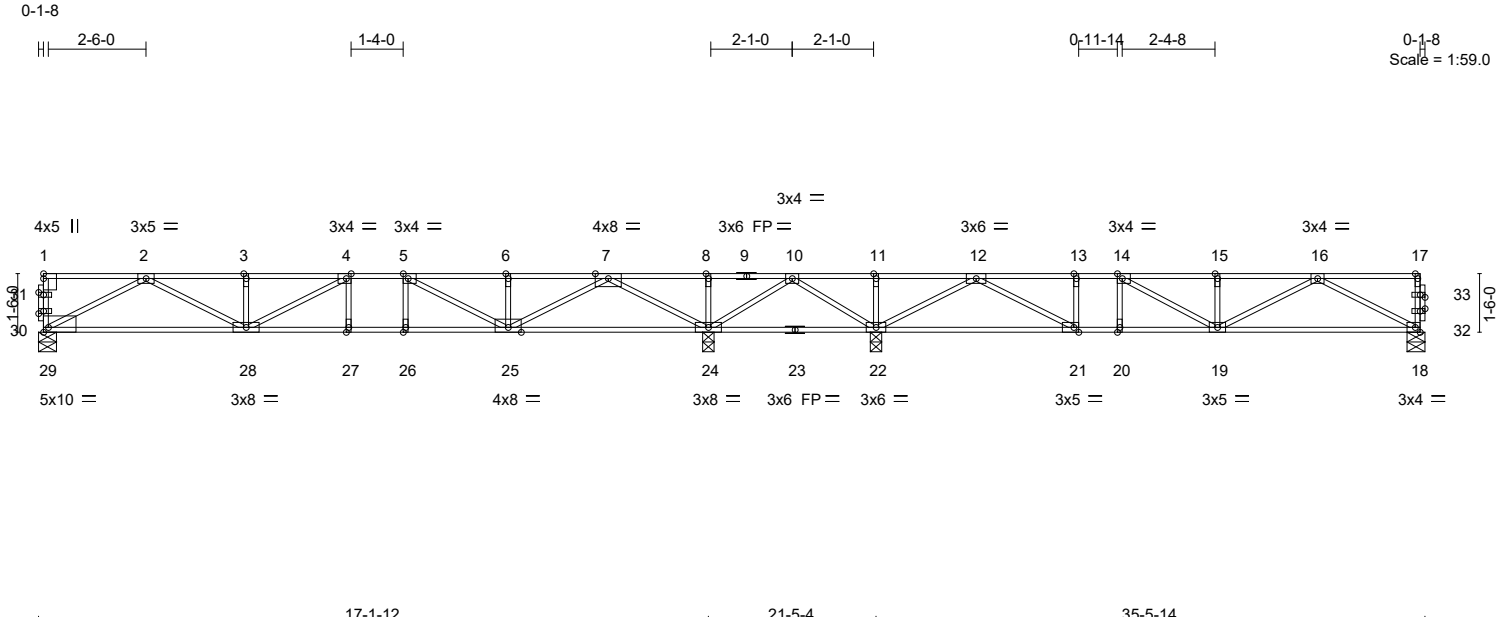

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [14:0-1-8,Edge], [21:0-1-8,Edge], [29:Edge,0-1-8], [30:0-1-8,0-0-12], [31:0-1-8,0-0-12], [32:0-1-8,0-0-12], [33:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.15	27-28	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.22	27-28	>931	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.04	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 142 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(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: 24-25,22-24.

REACTIONS. All bearings 0-5-8 except (jt=length) 24=0-3-8, 22=0-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 18=776(LC 4), 24=1484(LC 3), 22=1035(LC 4), 29=2400(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-29=-1789/0, 17-18=-274/0, 2-3=-1743/0, 3-4=-1743/0, 4-5=-1775/0, 5-6=-1132/0, 6-7=-1132/0, 7-8=0/1417, 8-10=0/1417, 10-11=0/793, 11-12=0/793, 12-13=-1158/0, 13-14=-1158/0, 14-15=-1338/0, 15-16=-1338/0
BOT CHORD 28-29=0/1079, 27-28=0/1775, 26-27=0/1775, 25-26=0/1775, 22-24=-1098/0, 21-22=0/376, 20-21=0/1158, 19-20=0/1158, 18-19=0/877
WEBS 13-21=-260/0, 2-29=-1224/0, 2-28=0/753, 5-25=-736/0, 7-25=0/1220, 7-24=-1667/0, 10-24=-782/0, 10-22=-307/469, 12-22=-1292/0, 12-21=0/900, 16-18=-995/0, 16-19=0/524, 14-19=-18/301

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
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) 190 lb down at 35-3-10, and 1705 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-16, 1-17=-80
Concentrated Loads (lb)
Vert: 1=-1705(F) 17=-190(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F10	Floor	1	1	K10366966
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:01 2021 Page 1
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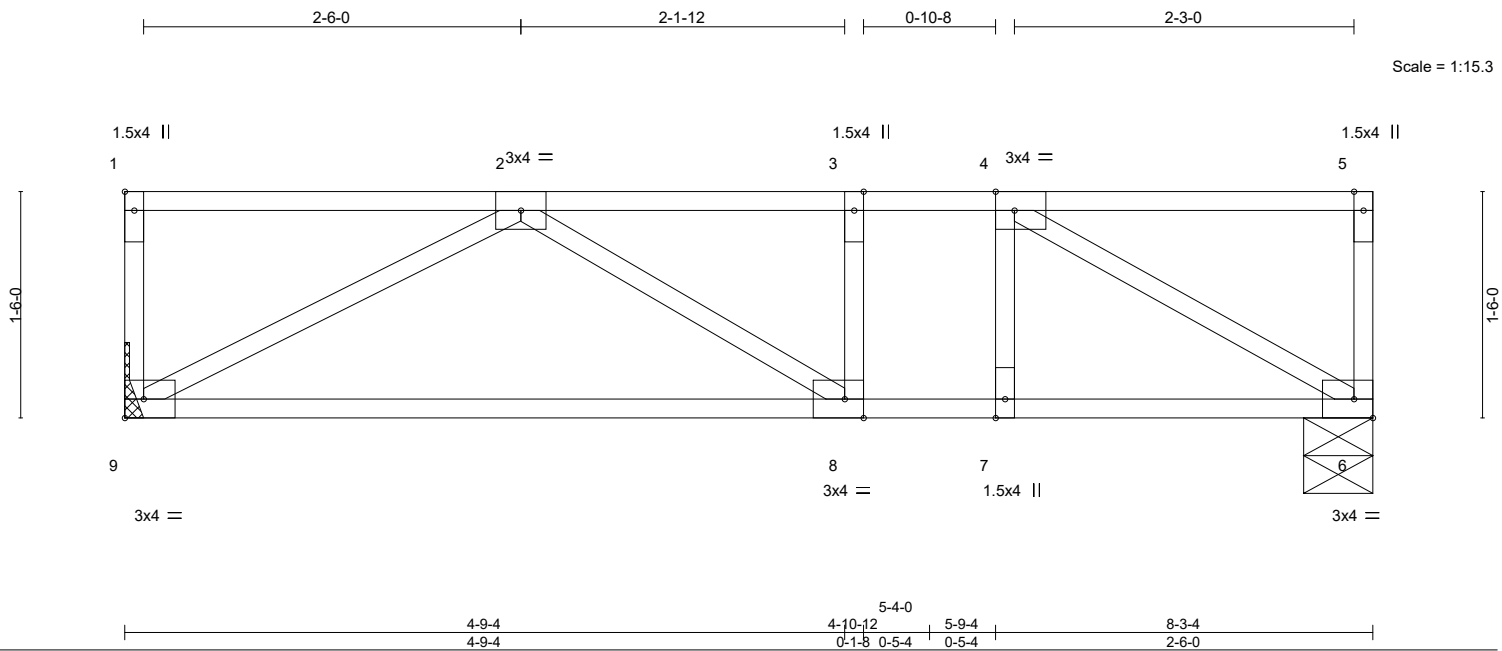

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.82	Vert(LL)	-0.12	8-9	>821	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.23	8-9	>417	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 34 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 9=Mechanical, 6=0-5-8
Max Grav 9=798(LC 1), 6=798(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1118/0, 3-4=-1118/0
BOT CHORD 8-9=0/1084, 7-8=0/1118, 6-7=0/1118
WEBS 2-9=-1231/0, 4-6=-1292/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-9=-16, 1-5=-180(F=-100)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F11	GABLE	1	1	K10366967
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:01 2021 Page 1
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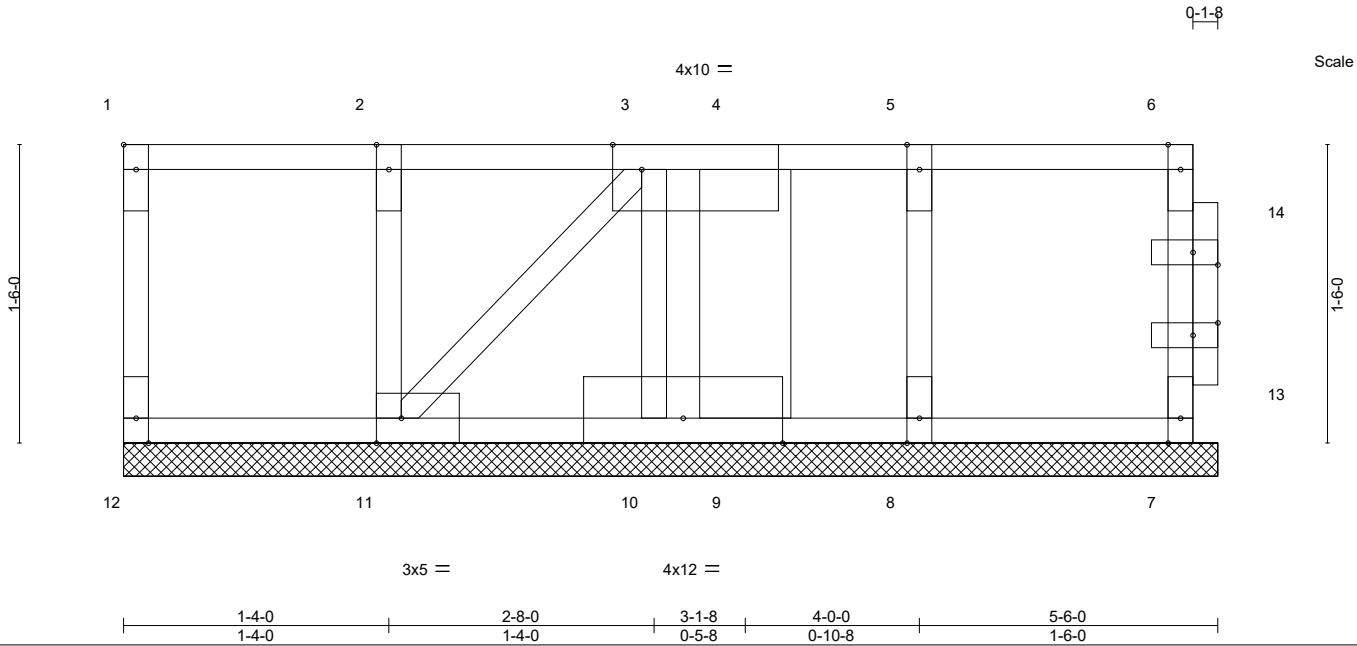

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [3:0-1-12,Edge], [11:0-1-8,Edge], [13:0-1-8,0-0-12], [14:0-1-8,0-0-12]

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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 29 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
4-9: 4X6 DF No.2&BTR G(flat)
OTHERS 2x4 HF Stud/Std(flat)

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

REACTIONS. All bearings 5-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 8 except 9=5351(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-5346/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 5405 lb down at 3-1-8 on top 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-12=-20, 1-6=-100
Concentrated Loads (lb)
Vert: 4=-5405(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F13	Floor	11	1	K10366968
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:02 2021 Page 1
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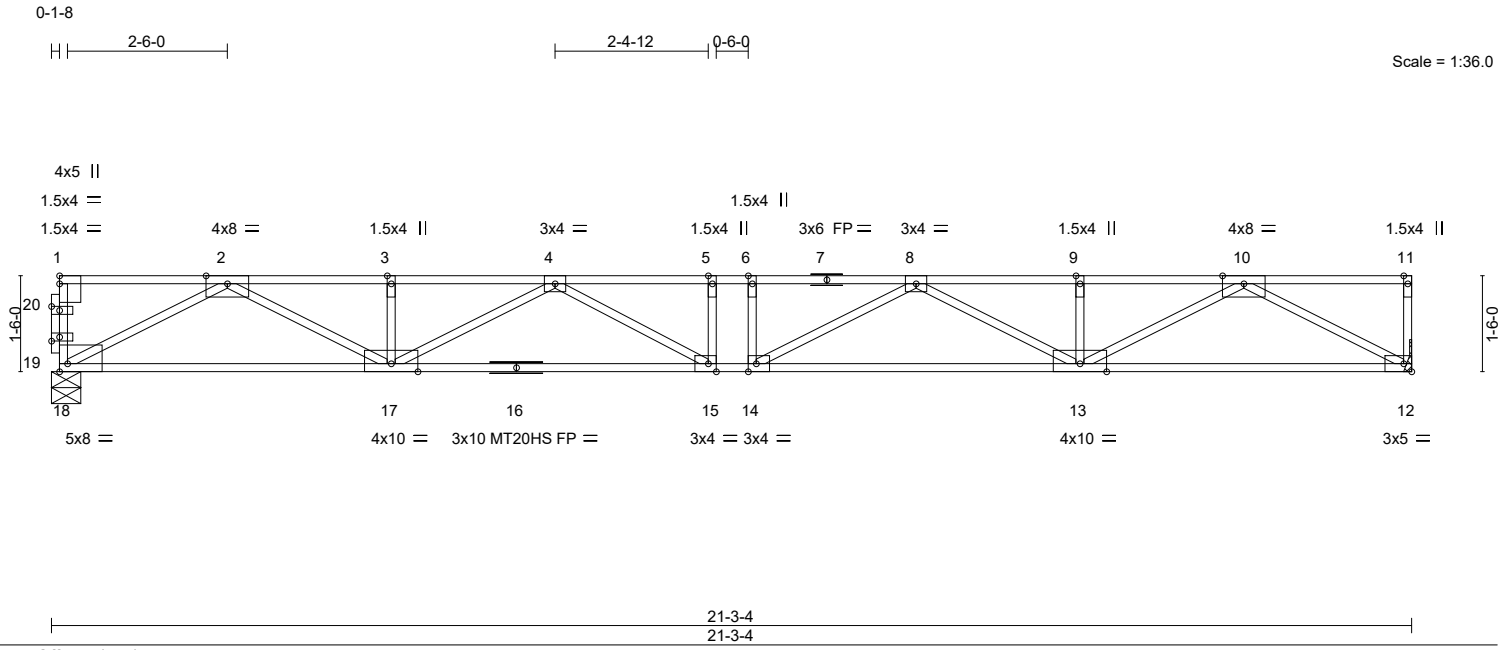

Plate Offsets (X,Y)-- [14:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8], [19:0-1-8,0-0-12], [20:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.30	14	>836	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.46	13-14	>545	360	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 89 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 12=Mechanical, 18=0-5-8
Max Grav 12=1008(LC 1), 18=2713(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-1786/0, 2-3=-2892/0, 3-4=-2892/0, 4-5=-3875/0, 5-6=-3875/0, 6-8=-3875/0, 8-9=-2893/0, 9-10=-2893/0
BOT CHORD 17-18=0/1664, 15-17=0/3588, 14-15=0/3875, 13-14=0/3589, 12-13=0/1665
WEBS 2-18=-1889/0, 2-17=0/1393, 4-17=-790/0, 4-15=-47/551, 10-12=-1889/0, 10-13=0/1394, 8-13=-790/0, 8-14=-51/551

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1705 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-18=-16, 1-11=-80
Concentrated Loads (lb)
Vert: 1=-1705(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F14	Floor	1	1	K10366969
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:06 2021 Page 1
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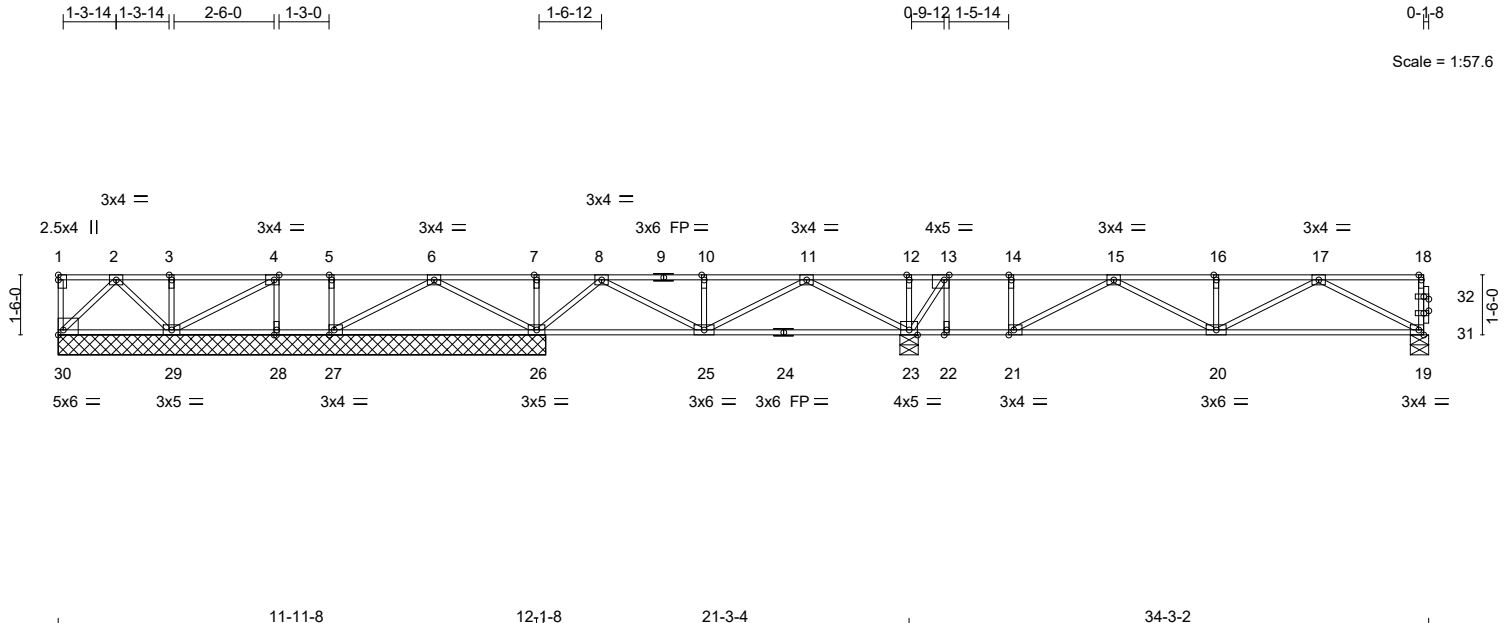

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [13:0-1-8,Edge], [21:0-1-8,Edge], [27:0-1-8,Edge], [30:Edge,0-1-8], [31:0-1-8,0-0-12], [32:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.21	20-21	>721	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.35	20-21	>439	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.02	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 150 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 HF Stud/Std(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 12-2-4 except (jt=length) 19=0-5-8, 23=0-5-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 27, 28
Max Grav All reactions 250 lb or less at joint(s) 28 except 19=846(LC 10), 23=932(LC 9), 27=351(LC 18), 26=886(LC 23), 29=309(LC 14), 30=1799(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-30=-1751/0, 18-19=-271/0, 2-3=-249/270, 5-6=-294/327, 6-7=-123/479, 7-8=-113/472, 8-10=-866/159, 10-11=-710/0, 11-12=-724/415, 12-13=-532/150, 13-14=-1146/59, 14-15=-1068/0, 15-16=-1612/0, 16-17=-1594/0, 17-18=-256/256
BOT CHORD 28-29=-368/335, 26-27=-357/293, 25-26=-202/332, 23-25=-264/936, 22-23=-153/1209, 21-22=-59/1146, 20-21=-12/1633, 19-20=-66/1082
WEBS 13-22=-24/408, 11-23=-723/299, 11-25=-379/410, 8-25=-204/814, 8-26=-807/121, 13-23=-1215/0, 17-19=-1158/0, 17-20=-7/723, 15-20=-201/258, 15-21=-759/129, 6-27=-344/325, 6-26=-554/224, 4-29=-253/267, 2-30=-285/276, 2-29=-303/263

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 28.
5) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-3-2 for 100.0 plf.
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) 1705 lb down at 0-0-12, and 190 lb down at 34-0-14 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 19-30=-16, 1-18=-80
Concentrated Loads (lb)
Vert: 1=-1705(F) 18=-190(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F16	Floor	8	1	K10366970
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:10 2021 Page 1
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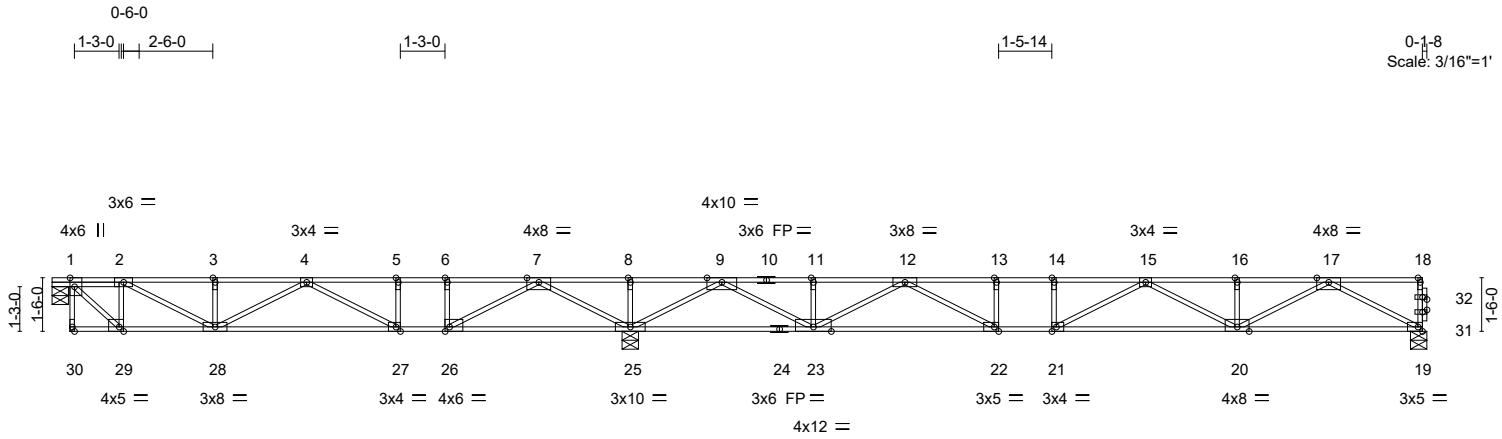

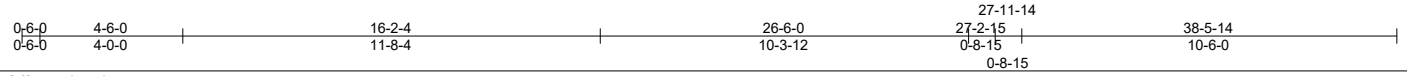

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge], [26:0-1-8,Edge], [27:0-1-8,Edge], [29:0-1-8,Edge], [31:0-1-8,0-0-12], [32:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.29	20-21	>929	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.45	20-21	>587	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	-0.03	25	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 167 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat) *Except*
1-2: 2x4 HF No.2(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat) *Except*
9-23: 2x4 HF 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. (size) 19=0-5-8, 1=0-5-8, 25=0-5-8
Max Grav 19=1124(LC 4), 1=656(LC 3), 25=2160(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-272/0, 1-2=-621/0, 2-3=-1410/0, 3-4=-1410/0, 4-5=-1341/605, 5-6=-1341/605, 6-7=-1341/605, 7-8=0/2256, 8-9=0/2256, 9-11=-1515/0, 11-12=-1515/0, 12-13=-3246/0, 13-14=-3246/0, 14-15=-3246/0, 15-16=-2620/0, 16-17=-2620/0
BOT CHORD 28-29=0/620, 27-28=-173/1648, 26-27=-605/1341, 25-26=-1335/299, 23-25=-369/0, 22-23=0/2543, 21-22=0/3246, 20-21=0/3172, 19-20=0/1529
WEBS 2-29=-587/0, 1-29=0/858, 6-26=-491/0, 13-22=-296/0, 2-28=0/892, 4-28=-270/257, 4-27=-749/0, 7-25=-1692/0, 7-26=0/1488, 9-25=-2216/0, 9-23=0/1823, 12-23=-1201/0, 12-22=0/975, 17-19=-1735/0, 17-20=0/1238, 15-20=-626/0, 15-21=-246/360

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down at 38-3-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 19-30=-16, 1-18=-80
Concentrated Loads (lb)
Vert: 18=-190(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F17	Floor	2	1	K10366971
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:11 2021 Page 1
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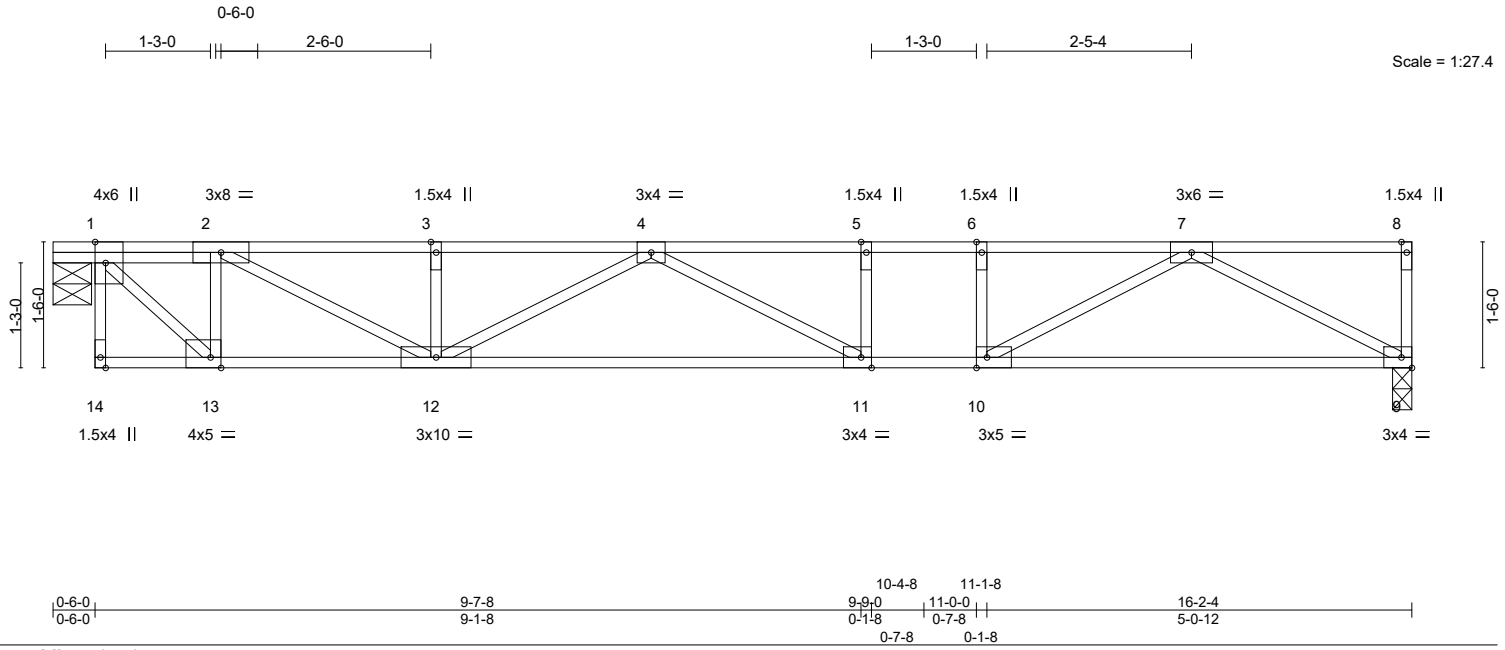

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.25	11-12	>759	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.41	11-12	>459	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	-0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 66 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 1=0-5-8, 9=0-2-12
Max Grav 1=747(LC 1), 9=747(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-713/0, 2-3=-1669/0, 3-4=-1669/0, 4-5=-1986/0, 5-6=-1986/0, 6-7=-1986/0
BOT CHORD 12-13=0/712, 11-12=0/2075, 10-11=0/1986, 9-10=0/1178
WEBS 2-13=-668/0, 1-13=0/984, 6-10=-301/0, 2-12=0/1080, 4-12=-461/0, 7-9=-1337/0, 7-10=0/926

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F18	Floor	1	1	K10366972
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:12 2021 Page 1
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2-6-0 | 2-5-4 | 1-5-14 | 0-1-8

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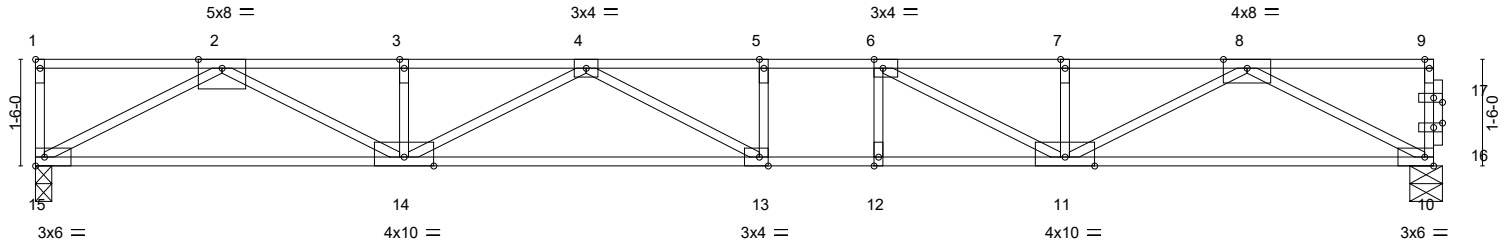

19-9-10
19-9-10

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [6:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-0-12], [17:0-1-8,0-0-12]

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	0.84	Vert(LL)	-0.33	13-14	>719	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.52	13-14	>448	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 86 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 15=0-2-12, 10=0-5-8
Max Grav 15=1173(LC 1), 10=1433(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-364/0, 2-3=-3297/0, 3-4=-3297/0, 4-5=-4106/0, 5-6=-4106/0, 6-7=-3270/0, 7-8=-3270/0
BOT CHORD 14-15=0/1922, 13-14=0/3997, 12-13=0/4106, 11-12=0/4106, 10-11=0/1913
WEBS 2-15=-2181/0, 2-14=0/1560, 4-14=-795/0, 4-13=-215/521, 8-10=-2171/0, 8-11=0/1540, 7-11=-274/36, 6-11=-1117/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 20 degree rotation about its center.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 260 lb down at 19-7-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-15=-20, 1-9=-100
Concentrated Loads (lb)
Vert: 9=-260(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F19	Floor	1	1	K10366973
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:13 2021 Page 1
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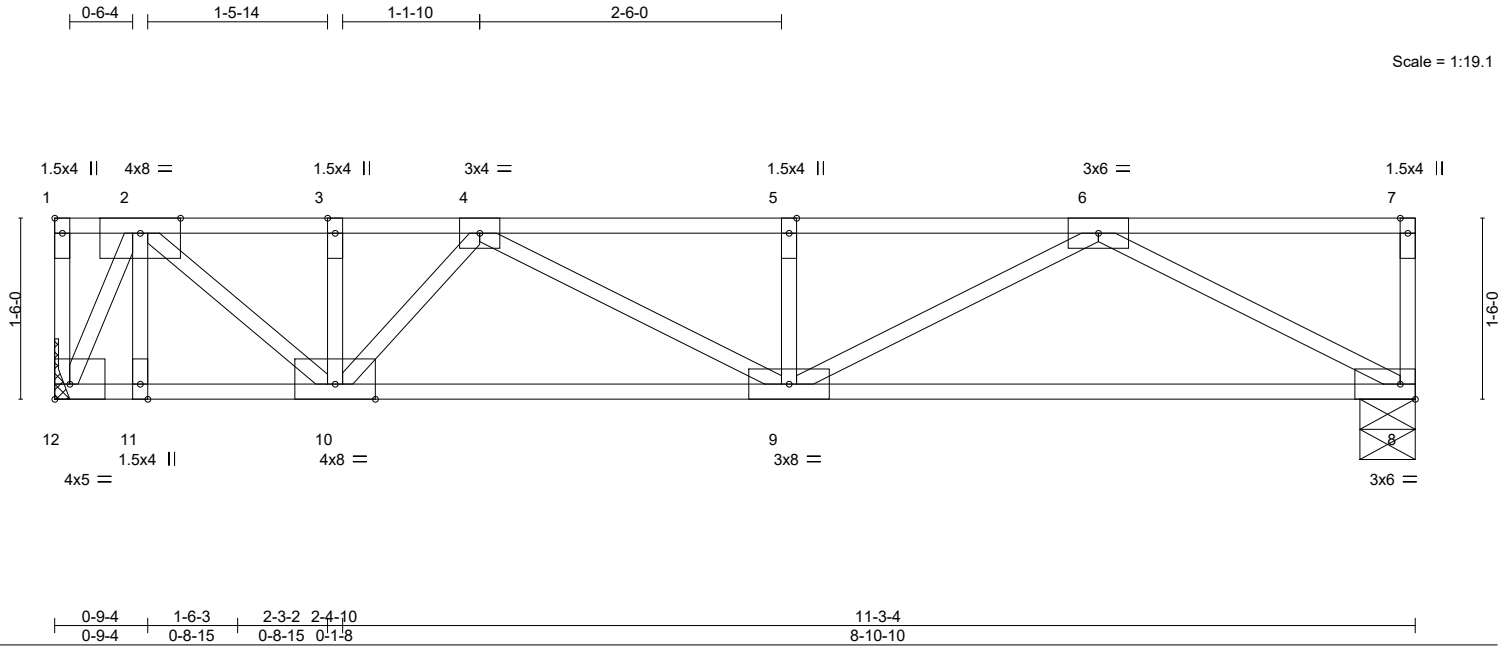

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.07	9	>999	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.17	8-9	>778	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 49 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 12=Mechanical, 8=0-5-8
Max Grav 12=1092(LC 1), 8=1092(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1445/0, 3-4=-1445/0, 4-5=-2289/0, 5-6=-2289/0
BOT CHORD 11-12=0/510, 10-11=0/510, 9-10=0/1938, 8-9=0/1627
WEBS 2-12=-1199/0, 6-8=-1847/0, 6-9=0/751, 5-9=-458/0, 4-9=0/398, 4-10=-751/0, 2-10=0/1228

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
2) Refer to girder(s) for truss to truss connections.
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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-12=-16, 1-7=-180(F=-100)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F20	Floor Supported Gable	1	1	K10366974
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:14 2021 Page 1
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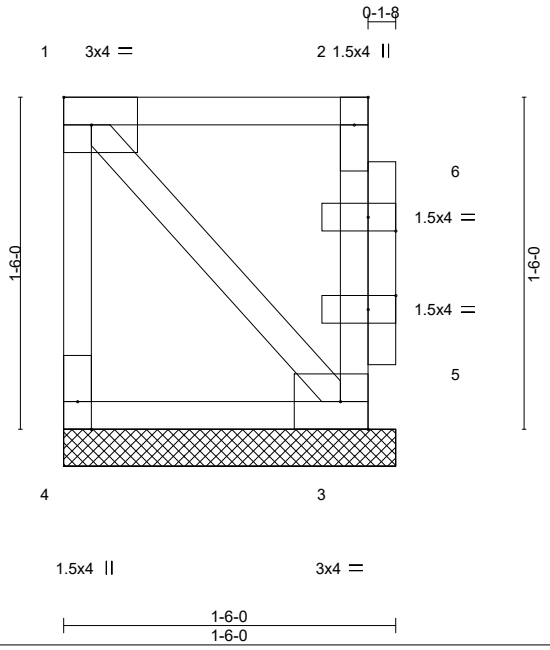

Plate Offsets (X,Y)-- [5:0-1-8,0-0-12], [6:0-1-8,0-0-12]

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	0.91	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 4=1-6-0, 3=1-6-0
Max Grav 4=520(LC 1), 3=520(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-508/0, 2-3=-508/0

NOTES-
1) Plates checked for a plus or minus 20 degree rotation about its center.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 3-4=-20, 1-2=-812(F=-712)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F21	Floor	1	1	K10366975
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:16 2021 Page 1
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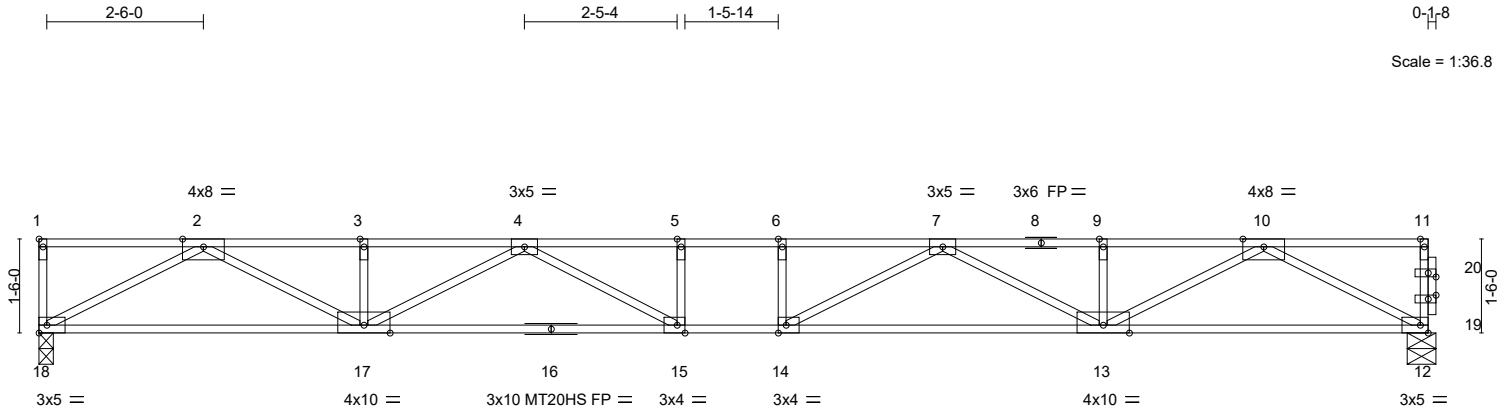

22-3-10
22-3-10

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [14:0-1-8,Edge], [15:0-1-8,Edge], [19:0-1-8,0-0-12], [20:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.31	14	>861	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.47	13-14	>564	360	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 96 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF No.1&Btr(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 12=0-5-8, 18=0-2-12
Max Grav 12=1248(LC 1), 18=1058(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-272/0, 2-3=-3078/0, 3-4=-3078/0, 4-5=-4241/0, 5-6=-4241/0, 6-7=-4241/0, 7-9=-3079/0, 9-10=-3079/0
BOT CHORD 17-18=0/1756, 15-17=0/3862, 14-15=0/4241, 13-14=0/3862, 12-13=0/1756
WEBS 2-18=-1992/0, 2-17=0/1501, 4-17=-889/0, 4-15=0/707, 10-12=-1993/0, 10-13=0/1501, 7-13=-889/0, 7-14=0/707

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
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) 190 lb down at 22-1-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-18=-16, 1-11=-80
Concentrated Loads (lb)
Vert: 11=-190(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F22	Floor	1	1	K10366976
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:18 2021 Page 1
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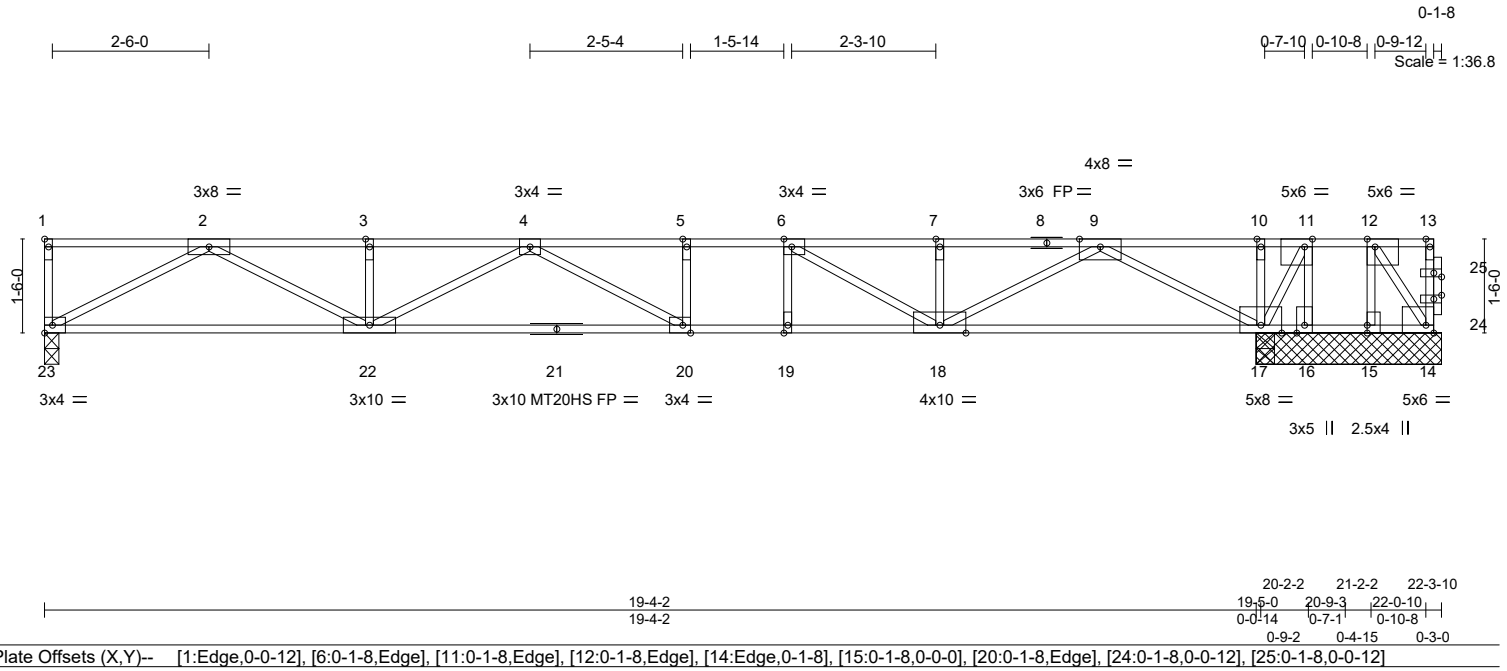

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [6:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-0-0], [20:0-1-8,Edge], [24:0-1-8,0-0-12], [25:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.31	20-22	>759	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.49	20-22	>476	360	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.04	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 96 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 DF No.1&Btr(flat)
WEBS 2x4 HF Stud/Std(flat)

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.

REACTIONS. All bearings 2-11-8 except (jt=length) 23=0-2-12.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 14=-996(LC 12), 16=-1314(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16 except 14=404(LC 11), 17=2977(LC 1), 17=2977(LC 1), 23=822(LC 8), 15=1702(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-303/0, 1-2=-256/256, 2-3=-2209/0, 3-4=-2209/0, 4-5=-2364/0, 5-6=-2364/0, 6-7=-1446/0, 7-9=-1516/5, 9-10=0/1425, 10-11=0/1425, 11-12=-39/684
BOT CHORD 22-23=0/1326, 20-22=0/2542, 19-20=0/2364, 18-19=0/2364, 17-18=-405/522, 16-17=-676/0, 15-16=-684/39, 14-15=-747/123
WEBS 6-19=-29/265, 10-17=-392/0, 2-23=-1505/0, 2-22=0/1038, 4-22=-505/201, 4-20=-506/345, 9-17=-1861/0, 9-18=0/1399, 6-18=-1150/83, 11-17=-1831/35, 12-14=-235/1339, 12-15=-1665/0, 11-16=-275/1225

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 996 lb uplift at joint 14 and 1314 lb uplift at joint 16.
7) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-3-10 for 100.0 plf.
8) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
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.
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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-23=-16, 1-10=-80, 10-13=-792(F=-712)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	F23	GABLE	1	1	K10366977
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:20 2021 Page 1
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0-1-8

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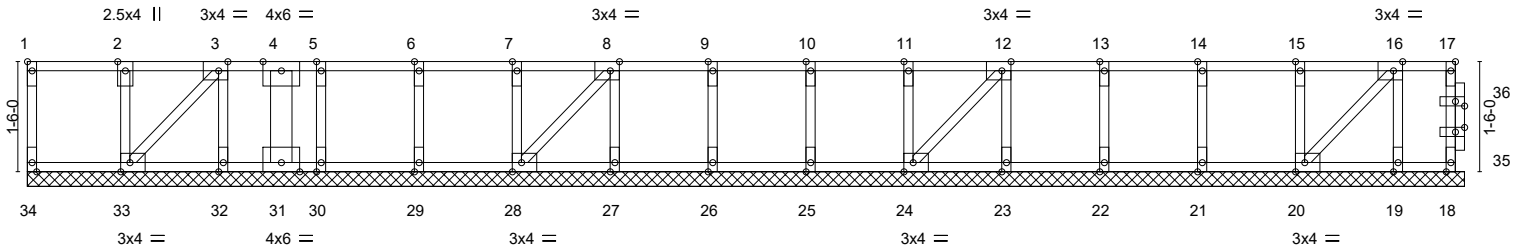

1-4-0	2-8-0	3-5-8	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	16-0-0	17-4-0	18-8-0	19-6-14
1-4-0	1-4-0	0-9-8	0-6-8	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-10-14

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [3:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,Edge], [20:0-1-8,Edge], [24:0-1-8,Edge], [28:0-1-8,Edge], [33:0-1-8,Edge], [35:0-1-8,0-0-12], [36:0-1-8,0-0-12]

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	0.55	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 82 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 HF No.2(flat)
BOT CHORD	2x4 HF No.2(flat)
WEBS	2x4 HF Stud/Std(flat) *Except* 4-31: 4x4 DF No.2&BTR G(flat)
OTHERS	2x4 HF Stud/Std(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 19-6-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 34=309(LC 1), 18=874(LC 1), 33=951(LC 1), 32=718(LC 1), 30=450(LC 1), 29=515(LC 1), 28=493(LC 1), 27=519(LC 1), 26=507(LC 1), 25=507(LC 1), 24=506(LC 1), 23=507(LC 1), 22=508(LC 1), 21=503(LC 1), 20=514(LC 1), 19=448(LC 1), 31=3731(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-34=-299/0, 17-18=-870/0
WEBS 2-33=-903/0, 3-32=-695/0, 5-30=-428/0, 6-29=-488/0, 7-28=-478/0, 8-27=-492/0, 9-26=-480/0, 10-25=-480/0, 11-24=-480/0, 12-23=-480/0, 13-22=-481/0, 14-21=-477/0, 15-20=-493/0, 16-19=-425/0, 4-31=-3725/0

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 20 degree rotation about its center.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 3582 lb down at 3-5-8, and 800 lb down at 19-4-10 on top 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-34=-20, 1-4=-606(F=-506), 4-17=-360(F=-260)
Concentrated Loads (lb)
Vert: 17=-800(F) 4=-3582(F)

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP1	FLOOR BLOCKING	9	1	K10366978
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:36 2021 Page 1
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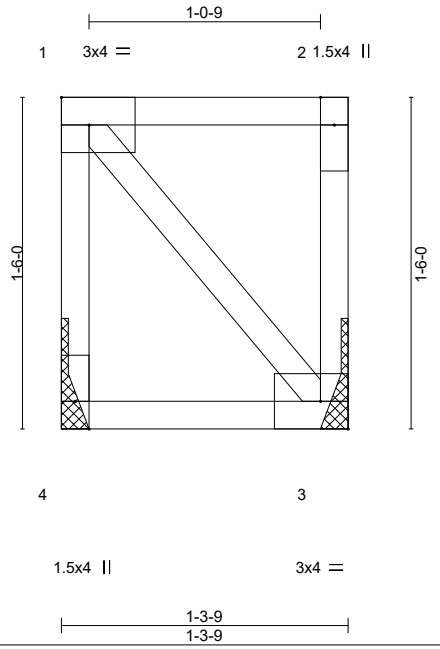

Scale = 1:10.4

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	0.21	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-463(LC 6), 3=-463(LC 7)
Max Grav 4=505(LC 5), 3=505(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-493/474, 1-2=-369/369
BOT CHORD 3-4=-369/369
WEBS 1-3=-632/632

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 463 lb uplift at joint 4 and 463 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-3-9 for 350.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP2	FLOOR BLOCKING	1	1	K10366979
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:37 2021 Page 1
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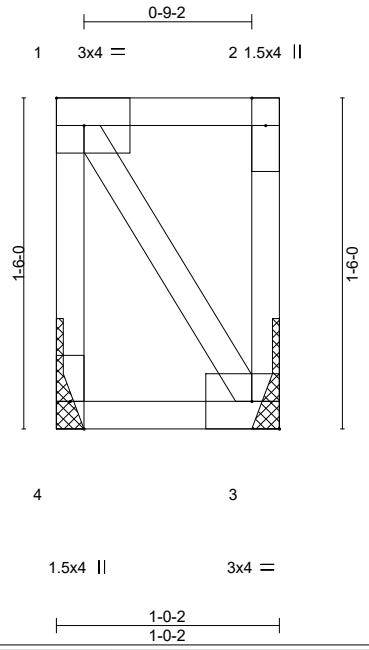

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.16	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-467(LC 6), 3=-467(LC 7)
Max Grav 4=499(LC 5), 3=499(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-490/476, 1-2=-279/279
BOT CHORD 3-4=-279/279
WEBS 1-3=-572/572

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 467 lb uplift at joint 4 and 467 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-0-2 for 350.1 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP3	FLOOR BLOCKING	1	1	K10366980
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:38 2021 Page 1
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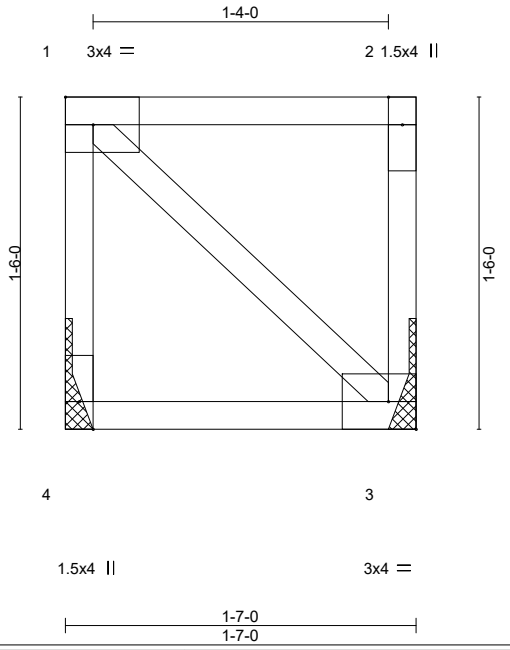

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-458(LC 6), 3=-458(LC 7)
Max Grav 4=510(LC 5), 3=510(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-496/473, 1-2=-459/459
BOT CHORD 3-4=-459/459
WEBS 1-3=-702/702

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint 4 and 458 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-7-0 for 350.1 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP4	FLOOR BLOCKING	1	1	K10366981
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:39 2021 Page 1
ID:DfeCB8LIBJ?Z9ZvzZY7m?Fzu4Tw-QK4y_aV7UpGwlu8?UgLixoJiOuU8iilTiRrB6RyZPBI

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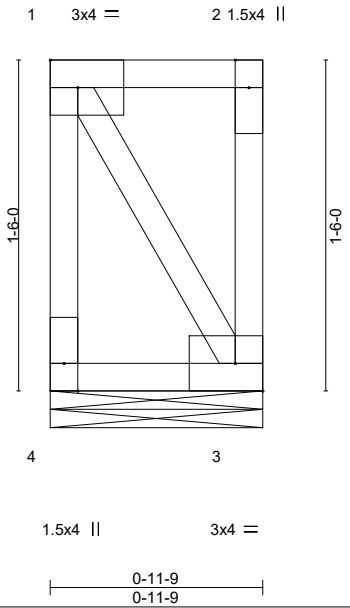


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 0-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=0-11-9, 3=0-11-9
Max Uplift 4=-468(LC 6), 3=-468(LC 7)
Max Grav 4=498(LC 5), 3=498(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-490/476, 1-2=-264/264
BOT CHORD 3-4=-264/264
WEBS 1-3=-564/564

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 468 lb uplift at joint 4 and 468 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 0-11-9 for 350.0 plf.
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.

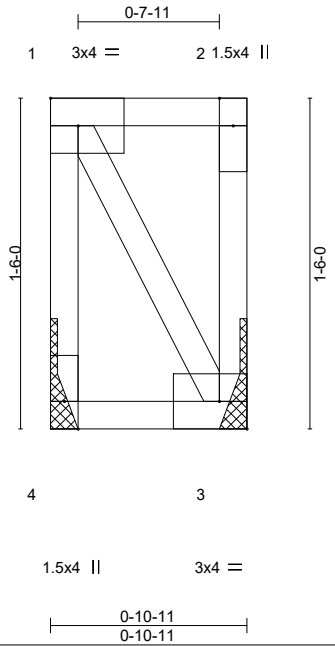
September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP5	FLOOR BLOCKING	1	1	K10366982

Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:40 2021 Page 1
ID:DfeCB8LIBJ?Z9ZvzZY7m?Fzu4Tw-vXeKBwWlF6OnN2jC2NsxT0rsKlqGR9_cx5akfuyZPBH



Scale = 1:10.4

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	0.21	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-469(LC 6), 3=-469(LC 7)
Max Grav 4=497(LC 5), 3=497(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-489/477
WEBS 1-3=-551/551

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 469 lb uplift at joint 4 and 469 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 0-10-11 for 350.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	SP6	FLOOR BLOCKING	1	1	K10366983
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:41 2021 Page 1
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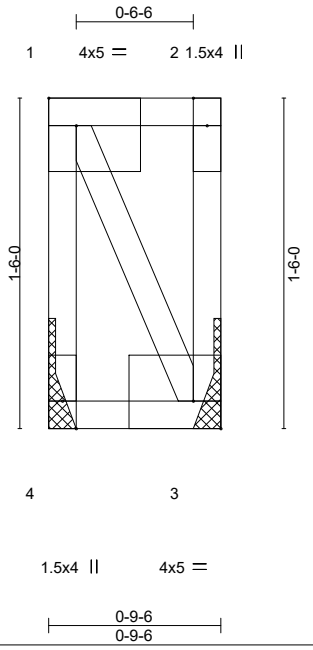


Scale = 1:10.5

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

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	0.21	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 6 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 HF No.2(flat)
BOT CHORD 2x4 HF No.2(flat)
WEBS 2x4 HF Stud/Std(flat)

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

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Uplift 4=-471(LC 6), 3=-471(LC 7)
Max Grav 4=494(LC 5), 3=494(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-488/477
WEBS 1-3=-533/533

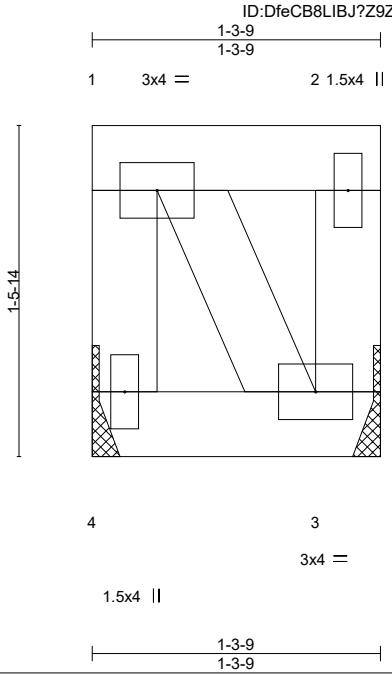
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 471 lb uplift at joint 4 and 471 lb uplift at joint 3.
5) This truss has been designed for a total drag load of 350 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 0-9-6 for 350.0 plf.
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.

September 27,2021

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	HBG-LOT 2
J-21-01725-B	X1	FLOOR	16	1	K10366984
					Job Reference (optional)

Roof Truss Supply, Woodinville, WA - 98072, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Sep 27 14:27:42 2021 Page 1
ID:DfeCB8LIBJ?Z9ZvzZY7m?Fzu4Tw-rvm5cbY0nkeVcMtaAouPZRwFj6WMv6FvOP3rjmyZPBF



Scale = 1:10.4

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	0.03	Vert(LL)	0.00	4	****	480	MT20	185/148
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Grav 4=60(LC 1), 3=60(LC 1)

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

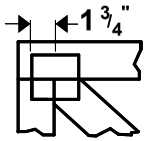
NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 20 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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.

September 27,2021

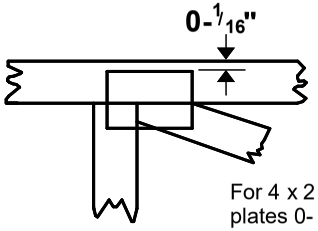
MiTek
250 Klug Circle
Corona, CA 92880

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

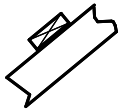
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

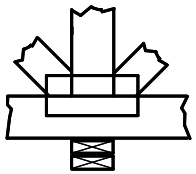
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

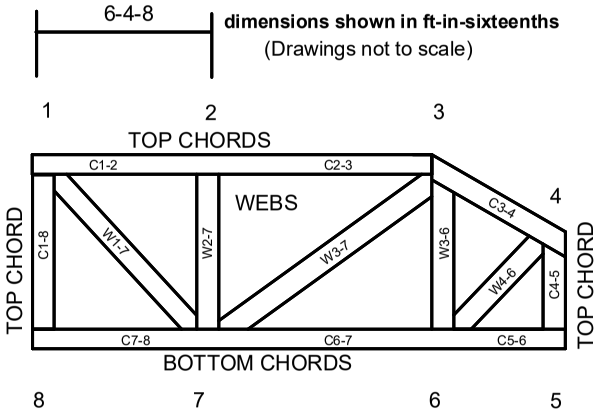


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.