

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0320-1371 Avery

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E14237277 thru E14237287

My license renewal date for the state of North Carolina is December 31, 2020.

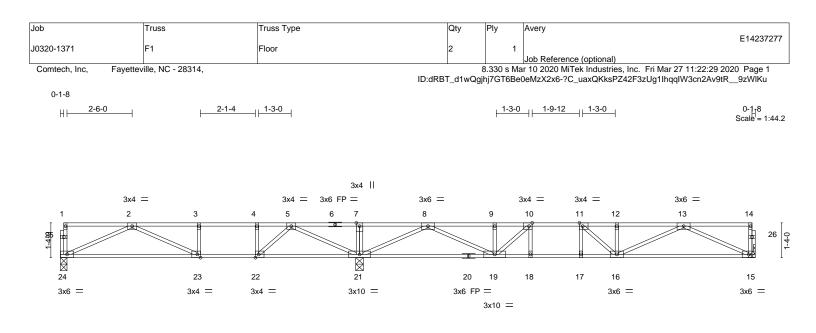
North Carolina COA: C-0844



March 27,2020

Gilbert, Eric

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.



	<u> </u>			<u> </u>		
Plate Offsets (X,Y)	[10:0-1-8,Edge], [11:0-1-8,Edge], [22:0-	1-8,Edge], [23:0-1-8,Edge]		13-2-4		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.85 BC 0.64 WB 0.53 Matrix-S	Vert(LL) -0.19	n (loc) l/defl L/d 9 23-24 >728 480 0 23-24 >457 360 5 15 n/a n/a	PLATES MT20 Weight: 133 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing di except end verticals. Rigid ceiling directly applied 6-0-0 oc bracing: 21-22.	, II	, <i>,</i>
	e) 24=0-3-0, 21=0-3-8, 15=Mechanica rav 24=597(LC 3), 21=1587(LC 1), 15= Comp./Max. Ten All forces 250 (lb) or	785(LC 7)				

 TOP CHORD
 2-3=-1327/0, 3-4=-1327/0, 4-5=-1327/0, 5-7=0/919, 7-8=0/919, 8-9=-2063/0, 9-10=-2063/0, 10-11=-2317/0, 11-12=-2214/0, 12-13=-2214/0

 BOT CHORD
 23-24=0/1031, 22-23=0/1327, 21-22=-250/925, 19-21=0/1134, 18-19=0/2317, 17-18=0/2317, 16-17=0/2317, 15-16=0/1443

 WEBS
 7-21=-301/0, 2-24=-1130/0, 5-21=-1284/0, 2-23=-106/327, 5-22=0/754, 4-22=-406/0, 13-15=-1582/0, 13-16=-0853, 12-16=-252/9, 8-21=-1771/0, 8-19=0/1122, 11-16=-347/149, 10-19=-572/0

NOTES-

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

2) All plates are 1.5x3 MT20 unless otherwise indicated.

3) Plates checked for a plus or minus 1 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.

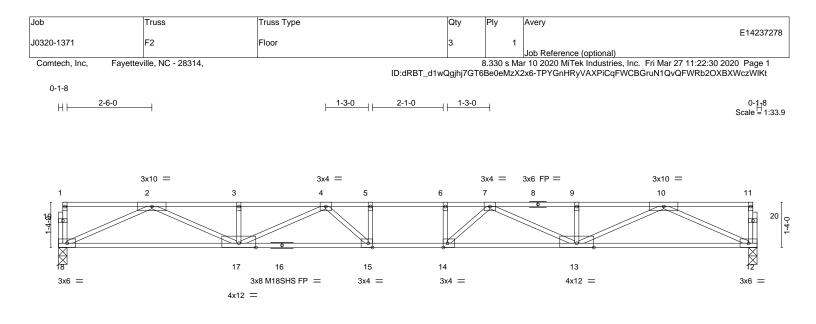
Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





	(,Y) [14:0-1-8,Edge], [15:0-1-8,E			1					
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)	-0.36 14-15	>673	480	MT20	244/190
CDL 10.0	Lumber DOL	1.00	BC 0.55	Vert(CT)	-0.50 14-15	>489	360	M18SHS	244/190
BCLL 0.0) Rep Stress Incr	YES	WB 0.78	Horz(CT)	0.08 12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2	2014	Matrix-S					Weight: 102 lb	FT = 20%F, 11%
UMBER-	· ·	·		BRACING-					
OP CHORD	2x4 SP No.1(flat)			TOP CHORD) Structu	iral wood	sheathing dir	ectly applied or 5-6-2 of	oc purlins,
OT CHORD	2x4 SP 2400F 2.0E(flat)					end vert		, ,,	· ·
VEBS	2x4 SP No.3(flat)			BOT CHORD) Rigid c	eiling dir	ectly applied of	or 10-0-0 oc bracing.	
REACTIONS.	(size) 18=0-3-0, 12=0-3-0								
REACTIONS.	(size) 18=0-3-0, 12=0-3-0 Max Grav 18=1112(LC 1), 12=111	12(LC 1)							
	Max Grav 18=1112(LC 1), 12=111	. ,	except when shown						
FORCES. (lb)	Max Grav 18=1112(LC 1), 12=111 - Max. Comp./Max. Ten All forces	s 250 (lb) or less							
REACTIONS. FORCES. (Ib) FOP CHORD	Max Grav 18=1112(LC 1), 12=111 - Max. Comp./Max. Ten All force: 2-3=-3625/0, 3-4=-3625/0, 4-5=-4	s 250 (lb) or less							
FORCES. (Ib)	Max Grav 18=1112(LC 1), 12=111 - Max. Comp./Max. Ten All force: 2-3=-3625/0, 3-4=-3625/0, 4-5=-4 9-10=-3625/0	es 250 (lb) or less 4659/0, 5-6=-4659	9/0, 6-7=-4659/0, 7-	9=-3625/0,					
FORCES. (lb)	Max Grav 18=1112(LC 1), 12=111 - Max. Comp./Max. Ten All force: 2-3=-3625/0, 3-4=-3625/0, 4-5=-4	es 250 (lb) or less 4659/0, 5-6=-4659 I-15=0/4659, 13-1	0/0, 6-7=-4659/0, 7- 4=0/4450, 12-13=0/	9=-3625/0, '2146					

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

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 1.5x3 MT20 unless otherwise indicated.

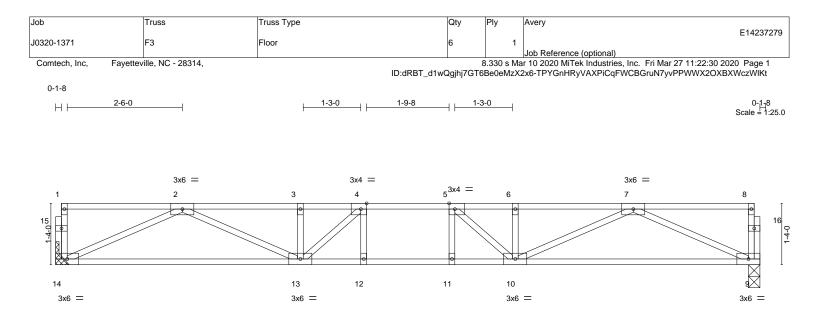
4) Plates checked for a plus or minus 1 degree rotation about its center.

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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			1000			
1			15-3-8			I
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.34 BC 0.60 WB 0.46 Matrix-S	Vert(LL) -0.1	n (loc) l/defl L/d 3 11-12 >999 480 8 11-12 >979 360 4 9 n/a n/a	PLATES MT20 Weight: 79 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied c	, ,,) oc purlins,

15-3-8

REACTIONS. (size) 14=Mechanical, 9=0-3-0 Max Grav 14=821(LC 1), 9=821(LC 1)

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

TOP CHORD 2-3=-2364/0, 3-4=-2364/0, 4-5=-2541/0, 5-6=-2364/0, 6-7=-2364/0

BOT CHORD 13-14=0/1521, 12-13=0/2541, 11-12=0/2541, 10-11=0/2541, 9-10=0/1521

WEBS 7-9=-1668/0, 7-10=0/932, 2-14=-1668/0, 2-13=0/932, 4-13=-493/76, 5-10=-493/76

NOTES-

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

2) All plates are 1.5x3 MT20 unless otherwise indicated.

3) Plates checked for a plus or minus 1 degree rotation about its center.

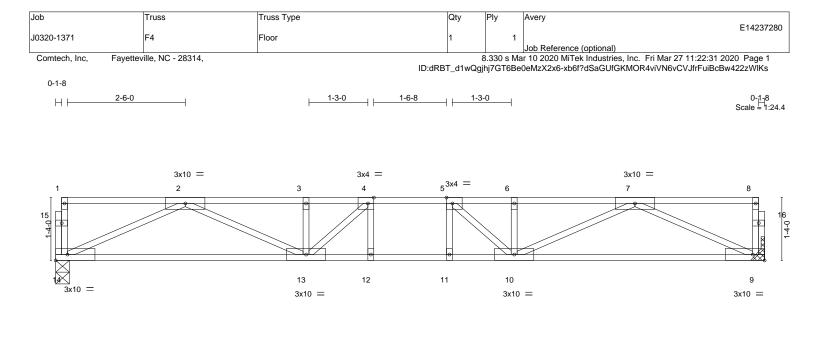
4) Refer to girder(s) for truss to truss connections.

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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		<u>5-4-8</u> 5-4-8			10-0 -5-8					15-0-8 8-2-8		
Plate Offse	ets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edg	e]									
LOADING TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Plate Grip DOL	2-0-0 1.00 1.00 NO 014	BC	0.74 0.97 0.79 -S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.21 1 -0.30 1 0.07		l/defl >826 >596 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 78 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHOF BOT CHOF WEBS	RD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)				BRACING TOP CHOR BOT CHOR	RD S	except	end verti	cals.	rectly applied or 5-10- or 10-0-0 oc bracing.	12 oc purlins,

REACTIONS. (size) 14=0-3-8, 9=Mechanical

Max Grav 14=1394(LC 1), 9=1394(LC 1)

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

TOP CHORD 2-3=-3969/0, 3-4=-3969/0, 4-5=-4254/0, 5-6=-3969/0, 6-7=-3969/0

BOT CHORD 13-14=0/2591, 12-13=0/4254, 11-12=0/4254, 10-11=0/4254, 9-10=0/2591

WEBS 2-14=-2842/0, 2-13=0/1524, 3-13=-393/0, 7-9=-2842/0, 7-10=0/1524, 6-10=-393/0, 5-10=-623/0, 4-13=-623/0

NOTES-

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

2) All plates are 1.5x3 MT20 unless otherwise indicated.

3) Plates checked for a plus or minus 1 degree rotation about its center.

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

 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

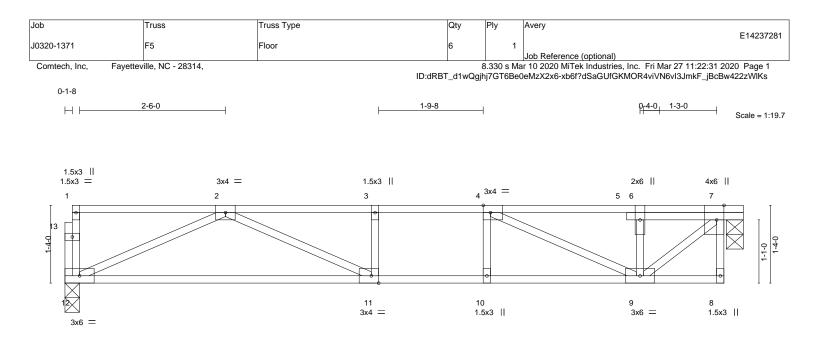
Uniform Loads (plf)

Vert: 9-14=-10, 1-8=-180



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			-3-8 -3-8					11-7-8
Plate Offsets (X,Y)	[4:0-1-8,Edge], [7:0-3-0,Edge], [11:0-1-	3,Edge]					1	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.38 BC 0.53 WB 0.40 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.14 11-12 -0.23 11-12 0.02 7	l/defl >949 >586 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 60 lb	GRIP 244/190 FT = 20%F, 11%F
BOT CHORD 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHOF BOT CHOF	RD Structu except	t end ver	ticals.	ectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
REACTIONS. (siz Max (ze) 12=0-3-0, 7=0-3-8 Grav 12=604(LC 1), 7=611(LC 1)							
TOP CHORD 2-3= BOT CHORD 11-1	. Comp./Max. Ten All forces 250 (lb) or -1386/0, 3-4=-1386/0, 4-6=-653/0, 6-7=- 2=0/1049, 10-11=0/1386, 9-10=0/1386 -257/46, 7-9=0/846, 2-12=-1149/0, 2-11:	650/0						
NOTES-								

NOTES

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

2) Plates checked for a plus or minus 1 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.

5) CAUTION, Do not erect truss backwards.



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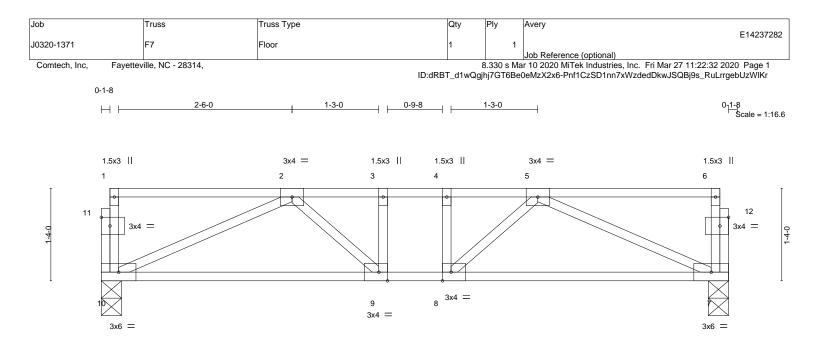


Plate Offsets (X,Y)	[8:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8	,0-1-8], [12:0-1-8,0-1-8]	9-0-8 9-0-8			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.55 BC 0.35 WB 0.41 Matrix-S	DEFL. ir Vert(LL) -0.04 Vert(CT) -0.06 Horz(CT) 0.02	9 >999 480 9-10 >999 360	PLATES MT20 Weight: 49 lb	GRIP 244/190 FT = 20%F, 11%
BOT CHORD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	<i>y</i>) oc purlins,
REACTIONS. (size Max Gi	e) 10=0-3-8, 7=0-3-8 rav 10=824(LC 1), 7=824(LC 1)					

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1505/0, 3-4=-1505/0, 4-5=-1505/0

BOT CHORD

9-10=0/1348, 8-9=0/1505, 7-8=0/1348 WEBS 2-10=-1473/0, 5-7=-1473/0, 5-8=0/330, 2-9=0/330

NOTES-

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

2) Plates checked for a plus or minus 1 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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 7-10=-10, 1-6=-180



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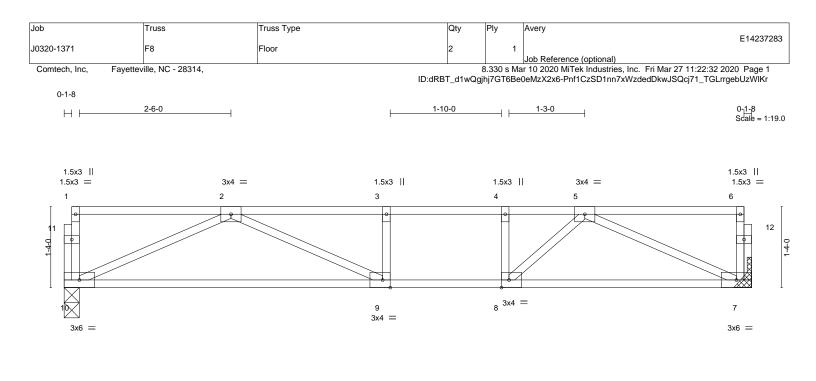


Plate Offset		[8:0-1-8,Edge], [9:0-1-8,E	2090]									
LOADING (SPACING-	2-0-0	CSI.		DEFL.	in		l/defl	L/d	PLATES	GRIP
	40.0	Plate Grip DOL	1.00	-	0.52	Vert(LL)	-0.14		>975	480	MT20	244/190
	10.0	Lumber DOL	1.00	-	0.47	Vert(CT)		9-10	>596	360		
BCLL	0.0	Rep Stress Incr	YES		0.32	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2015/TI	PI2014	Matrix	-S						Weight: 57 lb	FT = 20%F, 11%
LUMBER-		No.1(flat)				BRACING- TOP CHOR				•	ectly applied or 6-0-0	oc purlins,
OP CHOR OT CHOR VEBS	D 2x4 SP 2x4 SP S. (size	' No.1(flat) ' No.3(flat) e) 10=0-3-0, 7=Mechar					RD	except	end vert	icals.	ectly applied or 6-0-0 or 10-0-0 oc bracing.) oc purlins,
OP CHOR BOT CHOR VEBS REACTION	D 2x4 SP 2x4 SP S. (size Max G	No.1(flat) No.3(flat) e) 10=0-3-0, 7=Mechar rav 10=603(LC 1), 7=60	3(LC 1)			TOP CHOR	RD	except	end vert	icals.) oc purlins,
OP CHOR BOT CHOR WEBS REACTION	D 2x4 SP 2x4 SP S. (size Max G (lb) - Max.	No.1(flat) No.3(flat) e) 10=0-3-0, 7=Mechar rav 10=603(LC 1), 7=60 Comp./Max. Ten All fol	3(LC 1) rces 250 (lb) d	or less except v	when shown.	TOP CHOR	RD	except	end vert	icals.) oc purlins,
TOP CHOR BOT CHOR WEBS REACTION	D 2x4 SP 2x4 SP S. (size Max G (lb) - Max. D 2-3=-	No.1(flat) No.3(flat) e) 10=0-3-0, 7=Mechar rav 10=603(LC 1), 7=60	3(LC 1) rces 250 (lb) c 5=-1375/0	or less except v	when shown.	TOP CHOR	RD	except	end vert	icals.) oc purlins,

NOTES-

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

Plates checked for a plus or minus 1 degree rotation about its center.
 Refer to girder(s) for truss to truss connections.

A) 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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Job	Truss	Truss Type		Qt	/	Ply	Avery				E14237284
J0320-1371	KW2	GABLE		1		1					E14237204
Comtech, Inc, Fa	yetteville, NC - 28314,				\$	3 3 3 0 e M	Job Refe	rence (option	al) tries, Inc. Fri M	ar 27 11·22·33	2020 Page 1
	yelleville, NC - 20014,			ID:dRBT_					5v_ZgYqCKkz		
0-1 ₁ 8											0-1 ₁ 8
											Scale = 1:34.2
											Scale = 1.34.2
							3x6 FP =	=			
1 2	3 4 5	6 7	8	9 10	1	1	12 13	14	15 10	6 17	18
a7 b	<u>e</u> e	0	0	<u>e</u>		0	•	0	0	•	
4 94 91 1 1 1 1											• 38 0
			****		****						
36 35	34 33 32	31 30 29	28	27 26	2	5	24	23	22 2	······································	19
3x4 =	54 55 52	3x6 FP =	20	27 20	2.	5	27	25	22 2	20	3x4 =
0-7-0, 1-11-0	3-3-0 4-7-0 5	11-0 7-3-0 8	8-7-0 9-11-0) 11-3-0 12	-7-0	13-11-0	0 , 15-3-	0 16-7-0	17-11-0	19-3-0	20-7-0
0-7-0 1-4-0			-4-0 1-4-0		4-0	1-4-0			1-4-0	1-4-0	1-4-0
LOADING (psf)	SPACING-	2-0-0 C	SI.	DEFL.	in	(loc)	l/defl	L/d	PLATE	6 GRIP	
TCLL 40.0	Plate Grip DOL	1.00 T(0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/1	
TCDL 10.0 BCLL 0.0	Lumber DOL Rep Stress Incr	1.00 B(YES W		Vert(CT) Horz(CT)	n/a 0.00	- 19	n/a n/a	999 n/a			
BCDL 5.0	Code IRC2015/TP		atrix-R	1012(01)	0.00	15	n/a	Π/a	Weight:	91 lb FT	= 20%F, 11%E
LUMBER-	_ I	I		BRACING-							
TOP CHORD 2x4 S	P No.1(flat)			TOP CHOR	D				ectly applied o	- 6-0-0 oc pur	ins,
	P No.1(flat) P No.3(flat)			BOT CHOR	п		end vertic		r 10-0-0 oc bra	ncina	
	1 110.0(IICL)				<u> </u>	I VIUIU U				ioniu.	

REACTIONS. All bearings 20-7-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 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).

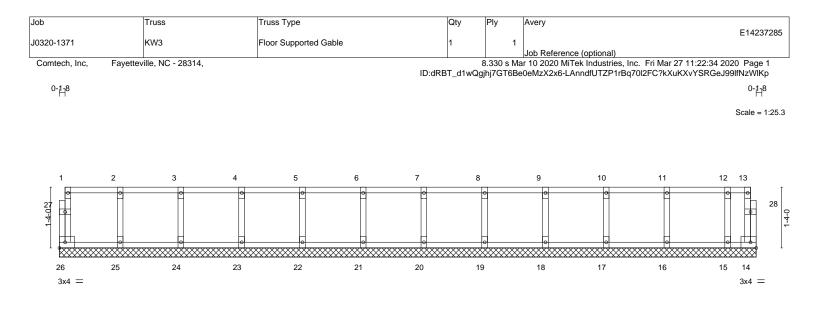
5) Gable studs spaced at 1-4-0 oc.

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.



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			15-3-8 15-3-8			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES MT20	GRIP 244/190
LUMBER- TOP CHORD 2x4 \$	SP No.1(flat)	Maux-r	BRACING- TOP CHORD	Structural wood sheathing dire	Weight: 69 lb ectly applied or 6-0-0	, ,
WEBS 2x4 S	SP No.1(flat) SP No.3(flat) SP No.3(flat)		BOT CHORD	except end verticals. Rigid ceiling directly applied c	or 10-0-0 oc bracing.	

REACTIONS. All bearings 15-3-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 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).

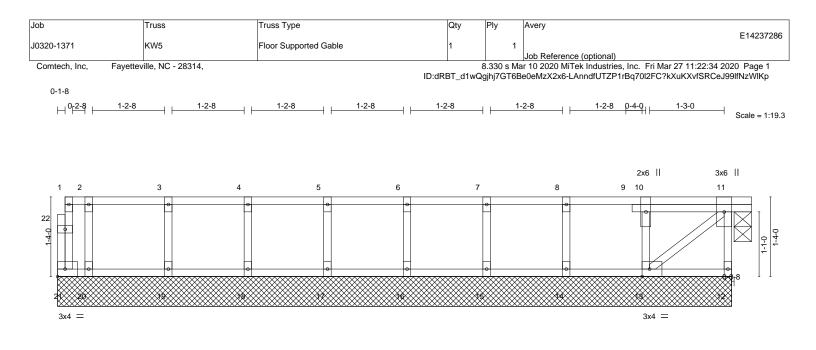
5) Gable studs spaced at 1-4-0 oc.

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.



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L		9-9-8			11-3	3-8 1 ₁ 1-7-8
I		9-9-8			1-6	-0 0-4-0'
Plate Offsets (X,Y)	[13:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.06 BC 0.01	Vert(LL) 0.00 Vert(CT) -0.00) 13 >999 360	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.04 Matrix-S	Horz(CT) -0.00) 11 n/a n/a	Weight: 56 lb	FT = 20%F, 11%E
	² No.1(flat) ² No.1(flat)	11	BRACING- TOP CHORD	Structural wood sheathing dir except end verticals.	ectly applied or 6-0-0) oc purlins,
	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied of	or 6-0-0 oc bracing,	Except:

10-0-0 oc bracing: 12-13.

~ ~ ~

REACTIONS. All bearings 11-3-8 except (jt=length) 11=0-3-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 21

Max Grav All reactions 250 lb or less at joint(s) 12, 11, 13, 14, 15, 16, 17, 18, 19, 20

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

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 100 lb uplift at joint(s) 21.

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

8) CAUTION, Do not erect truss backwards.

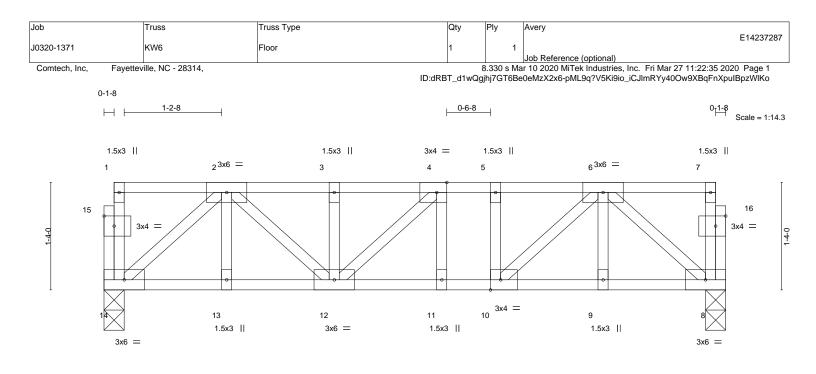


44 2 0

44 7 0

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⊢		<u>5-2-4</u> 5-2-4			6-1-8	7-8-8	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [10:0-1-8,Edge], [15:0-1				0-11-4	1-7-0	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrNOCode IRC2015/TPI2014	CSI. TC 0.23 BC 0.41 WB 0.30 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.03 11-12 -0.04 11-12 0.01 8	l/defl L/d >999 480 >999 360 n/a n/a	PLATES MT20 Weight: 49 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING TOP CHOI BOT CHOI	RD Structo except	t end verticals.	directly applied or 6-0-0) oc purlins,
REACTIONS. (siz Max 0	e) 14=0-3-0, 8=0-3-0 Grav 14=862(LC 1), 8=862(LC 1)						
TOP CHORD 2-3= BOT CHORD 13-1	. Comp./Max. Ten All forces 250 (lb) or -1288/0, 3-4=-1288/0, 4-5=-1310/0, 5-6= 4=0/850, 12-13=0/850, 11-12=0/1310, 10 =-1116/0, 2-12=0/590, 3-12=-339/0, 6-8=	-1310/0)-11=0/1310, 9-10=0/845,	8-9=0/845				
NOTES-							

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

Plates checked for a plus or minus 1 degree rotation about its center.

 Prates created for a plus of minute a begree rotation about its certer.
 Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-225



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