

RE: Crawl Pinehurst Pinehurst Crawl Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:Customer: D.R. HORTON - RAL - 055Project Name: Crawl PinehurstLot/Block:Model: Crawl PinehurstAddress:Subdivision:City: FUQUAY-VARINAState: NC

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf

Design Program: MiTek 20/20 8.5 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 9 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	147952632	CF1	9/18/2021
2	l47952633	CF1E	9/18/2021
3	147952634	CF2	9/18/2021
4	l47952635	CF2E	9/18/2021
5	147952636	CF3	9/18/2021
6	147952637	CF4	9/18/2021
7	147952638	CF5	9/18/2021
8	147952639	CF6	9/18/2021
9	147952640	CF6E	9/18/2021

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by 84 Components - #2383.

Truss Design Engineer's Name: Johnson, Andrew

My license renewal date for the state of North Carolina is December 31, 2021

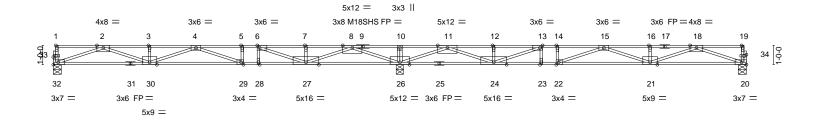
North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.



Johnson, Andrew

Job	Truss	Truss Type	Qty	Ply	Pinehurst Crawl
Crawl Pinehurst	CF1	Floor	8	1	147952632
					Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,				g 27 2021 MiTek Industries, Inc. Fri Sep 17 09:48:24 2021 Page 1
		ID:Bpn_IN	CpW2yaJ	FXxWLaA	Kgyco9q-7XwDptbRXoPoCksxIuWO0NbqKCzkqhG1Pr1?erycmD5
0-1-8					
H 2-4-1	ç	-8-9			Q <u>-8-</u> 9 0- <u>1</u> -8
		1			Scale = 1:59.7



	17-11-8					35-11-0		
Plate Offsets (X,Y)	17-11-8 [1:Edge,0-0-12], [6:0-1-8,Edge], [13:0-1	9 Edgo] [22:0 1 9 Edgo]	[20:0 1 9 Edge] [22:0 1 0 0 0	101 [24.0	17-11-8		1
Plate Olisets (X, Y)	[1:Edge,0-0-12], [6:0-1-8,Edge], [13:0-1	-8,Eugej, [22:0-1-8,Eugej,	, [29:0-1-8,Edge], [33:0-1-8,0-0-	12], [34:0-	-1-8,0-0-12]		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.59 BC 0.47 WB 0.65 Matrix-S	· · /	in (loc) -0.33 21-22 -0.45 21-22 0.06 20	l/defl >640 >477 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 173 lb	GRIP 197/144 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF 2-32,8	P DSS(flat) P DSS(flat) P No.3(flat) *Except* -26,2-30,8-27,4-30,6-27,4-29,18-20,11-2 ,15-22: 2x4 SP No.2 or 2x4 SPF No.2(fl:		BRACING- TOP CHORI BOT CHORI	excep	t end verti	cals.	ectly applied or 6-0-0 c r 6-0-0 oc bracing.	oc purlins,
,	e) 32=0-5-0, 26=0-4-8, 20=0-5-0 Grav 32=833(LC 3), 26=2407(LC 1), 20=	833(LC 4)						
TOP CHORD 2-3= 7-8=	. Comp./Max. Ten All forces 250 (lb) o -3234/0, 3-4=-3234/0, 4-5=-3299/272, 5 -1890/1005, 8-10=0/4367, 10-11=0/4367 4=-3299/272, 14-15=-3299/272, 15-16=	6=-3299/272, 6-7=-1890/1 7, 11-12=-1890/1005, 12-1	1005,					
BOT CHORD 30-3	2=0/2021, 29-30=0/3676, 28-29=-272/3 6=-1907/0, 23-24=-272/3299, 22-23=-27	299, 27-28=-272/3299, 26-	,					
6-27	6=-283/0, 2-32=-2137/0, 8-26=-3059/0, =-1834/0, 4-29=-968/0, 6-28=0/253, 18- 4=0/2311, 15-21=-470/202, 13-24=-183	20=-2137/0, 11-26=-3059/	0, 18-21=0/1291,					
 As requested, plate the responsibility of All plates are MT20 	ve loads have been considered for this d s have not been designed to provide for the fabricator to increase plate sizes to plates unless otherwise indicated.	placement tolerances or re	ough handling and	erection con	ditions. It		TH C	ARO

4) All plates are 1.5x4 MT20 unless otherwise indicated.

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.





Job	Truss			Truss	Туре						Qt	у	Ply		Pinehurst	Crawl							147050000
Crawl Pinehurst	CF1E			Floor S	noaque	ted Ga	able				1			1									147952633
															Job Refer	ence (o	ptional)					
84 Components (Dunn),	Dunn, NC - 2	8334,													g 27 2021 l								
										ID:Bp	n_INC	pW2ya	aJFXxW	LaA	Kgyco9q-4	1w2_EZ	Zdh3Qf	WR10	KPJYs	5ohlm?	IOIkTK	s9W6	jjycmD3
0- 1 -8																							0-1-8
																							Scale = 1:60
								3x6 FF	P =										:	3x6 FP	=		
								3x3 3	=											3x3 =	=		
1 2 3	4 5 6	7	8	9	10	11	12	13	14	15	16	17	18	1	9 20	21	22	23	24	25	26	27	28

43 42 41 40 39 38 37 36 35 34 33 32 31 30 29

3x3 =

3x6 FP =

			35-11-0			1
Plate Offsets (X,Y)	[1:Edge,0-0-12], [57:0-1-8,0-0-12], [58:0	-1-8,0-0-12]				
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 0.08 BC 0.01 WB 0.03 Matrix-R	DEFL.irVert(LL)n/aVert(CT)n/aHorz(CT)0.00	n - n/a 999 n - n/a 999	PLATES MT20 Weight: 139 lb	GRIP 197/144 FT = 20%F, 11%E
BOT CHORD 2x4 S WEBS 2x4 S	SP No.2 or 2x4 SPF No.2(flat) SP No.2 or 2x4 SPF No.2(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied c		oc purlins,

35-11-0

REACTIONS. All bearings 35-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 56, 29, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30

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

NOTES-

9-0-1

56 55 54 53 52 51 50 49 48 47 46 45 44

3x3 =

3x3 =

3x6 FP =

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) All plates are 1.5x4 MT20 unless otherwise indicated.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

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

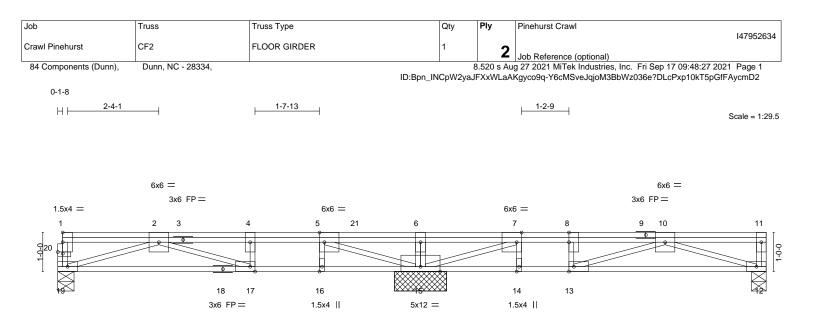
Strongbacks to be attached to walls at their outer ends or restrained by other means.



58 <mark>0</mark>

3x3 =





<u>9-3-8</u> 9-3-8					
[5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0	,0-0-0], [13:0-1-8,Edge], [1	7:0-1-8,Edge], [20:0-1-4	8,0-0-8]		
SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrNO	CSI. TC 0.59 BC 0.70 WB 0.73	Vert(LL) -0.11 Vert(CT) -0.17	12-13 >915 480 7 12-13 >606 360	PLATES MT20	GRIP 197/144
Code IRC2015/TPI2014	Matrix-S			Weight: 223 lb	FT = 20%F, 11%E
2 No.2 or 2x4 SPF No.2(flat) 2 No.2 or 2x4 SPF No.2(flat)		BRACING- TOP CHORD	Structural wood sheathing dir except end verticals.	ectly applied or 6-0-0	oc purlins,
	9-3-8 [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	9-3-8 [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0,0-0-0], [13:0-1-8,Edge], [1 SPACING- 2-0-0 CSI. Plate Grip DOL 1.00 TC 0.59 Lumber DOL 1.00 BC 0.70 Rep Stress Incr NO WB 0.73 Code IRC2015/TPI2014 Matrix-S P No.2 or 2x4 SPF No.2(flat)	9-3-8 I [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0,0-0-0], [13:0-1-8,Edge], [17:0-1-8,Edge], [20:0-1-4 SPACING- SPACING- 2-0-0 CSI. DEFL. in Plate Grip DOL 1.00 TC 0.59 Vert(LL) -0.11 Lumber DOL 1.00 BC 0.70 Vert(CT) -0.17 Rep Stress Incr NO WB 0.73 Horz(CT) 0.03 Code IRC2015/TPI2014 Matrix-S BRACING- TOP CHORD	9-3-8 8-10 [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0,0-0-0], [13:0-1-8,Edge], [17:0-1-8,Edge], [20:0-1-8,0-0-8] 8-10 SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl L/d Plate Grip DOL 1.00 TC 0.59 Vert(LL) -0.11 12-13 >915 480 Lumber DOL 1.00 BC 0.70 Vert(CT) -0.17 12-13 >915 480 Code IRC2015/TPI2014 Matrix-S Vert(CT) -0.17 12-13 >606 360 P No.2 or 2x4 SPF No.2(flat) Matrix-S BRACING- TOP CHORD Structural wood sheathing dir	9-3-8 8-10-4 [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-3-0,0-0-0], [13:0-1-8,Edge], [17:0-1-8,Edge], [20:0-1-8,0-0-8] 8-10-4 SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl L/d PLATES Plate Grip DOL 1.00 TC 0.59 Vert(LL) -0.11 12-13 >915 480 MT20 Lumber DOL 1.00 BC 0.70 Vert(CT) -0.17 12-13 >606 360 Rep Stress Incr NO WB 0.73 Horz(CT) 0.03 12 n/a n/a Vo.2 or 2x4 SPF No.2(flat) Matrix-S TOP CHORD Structural wood sheathing directly applied or 6-0-0 of

WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 19=0-5-0, 12=0-4-8, 15=1-4-0 Max Grav 19=402(LC 3), 12=1150(LC 4), 15=3704(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-650/302, 4-5=-650/302, 5-6=0/1587, 6-7=0/1587, 7-8=-3907/0, 8-10=-3907/0 17-19=0/879, 16-17=-302/650, 15-16=-302/650, 14-15=0/3907, 13-14=0/3907, BOT CHORD

	12-13=0/3217
WEBS	6-15=-1338/0, 2-19=-919/0, 5-15=-2200/0, 2-17=-411/0, 10-12=-3388/0, 7-15=-5627/0,
	10-13=0/851, 8-13=-296/0

NOTES-

1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.

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

3) 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) All plates are 3x6 MT20 unless otherwise indicated.

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

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

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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

Vert: 12-19=-10, 1-21=-100, 9-21=-540, 9-11=-100





	_			-						
Job	Truss	Truss Type		Qty	Ply	Pinehurst Crawl				
										147952635
Crawl Pinehurst	CF2E	Floor Supported Gab	le	1	1					
						Job Reference (op				
84 Components (Dunn),	Dunn, NC - 28334,					ig 27 2021 MiTek In				
				ID:Bpn_INCpW2	2yaJFXxWL	aAKgyco9q-0JAkfFf:	xb1wDgL9iXj	ibLADmeLp	Rtme_dJT	PncycmD1
0-1-8										0-1-8
0- <mark>1</mark> -8										0- <u>1</u> -8
										Scale = 1:31.1
							0.0			
							3x6 F	P =		
1 2	3 4	5 6	7 8	9	10	11	12 13	14	15	16
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da H	Ĕ Ĕ		Ë Ë	I I	Ĕ	Ľ	Ľ	- <u>-</u>	Ĥ	34 9
				L L	Ц			Ц	Ц	
	o	o	- 0 - 0			•	-0			

32 31	30 29 28	27 26	25 24	23	22	21	20	19	18	17
		21 20	25 24	- 23	22	21	20	13	10	
3x3 =	3x6 FP =									3x3 =

			18-8-0			1
Plate Offsets (X,Y)	[1:Edge,0-0-12], [33:0-1-8,0-0-12], [34:0	0-1-8,0-0-12]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.08 BC 0.01 WB 0.03 Matrix-R	DEFL. i Vert(LL) n/x Vert(CT) n/x Horz(CT) 0.00	a - n/a 999	PLATES MT20 Weight: 74 lb	GRIP 197/144 FT = 20%F, 11%E
BOT CHORD 2x4	SP No.2 or 2x4 SPF No.2(flat) SP No.2 or 2x4 SPF No.2(flat)	1	BRACING- TOP CHORD	Structural wood sheathing dire except end verticals.	<i>y</i> 11) oc purlins,

18-8-0

WEBS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 18-8-0.

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

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

NOTES-

1) 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) All plates are 1.5x4 MT20 unless otherwise indicated.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

6) 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.





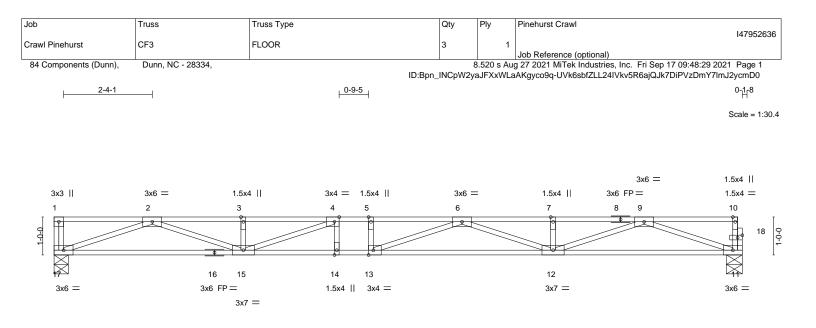


Plate Offsets (X,Y)	[4:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1	-8,0-0-12]	<u>18-1-12</u> 18-1-12			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.39 BC 0.38 WB 0.54 Matrix-S	Vert(LL) -0.30	n (loc) l/defl L/d 0 12-13 >720 480 2 12-13 >513 360 5 11 n/a n/a	PLATES MT20 Weight: 88 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	P No.1(flat) P DSS(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o		oc purlins,

REACTIONS. (size) 17=0-4-8, 11=0-5-0

Max Grav 17=656(LC 1), 11=652(LC 1)

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

TOP CHORD 2-3=-2676/0, 3-4=-2676/0, 4-5=-3298/0, 5-6=-3298/0, 6-7=-2686/0, 7-9=-2686/0

BOT CHORD 15-17=0/1613, 14-15=0/3298, 13-14=0/3298, 12-13=0/3248, 11-12=0/1617

WEBS 9-11=-1711/0, 2-17=-1711/0, 9-12=0/1139, 2-15=0/1131, 6-12=-597/0, 4-15=-781/0,

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

2) 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.

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.

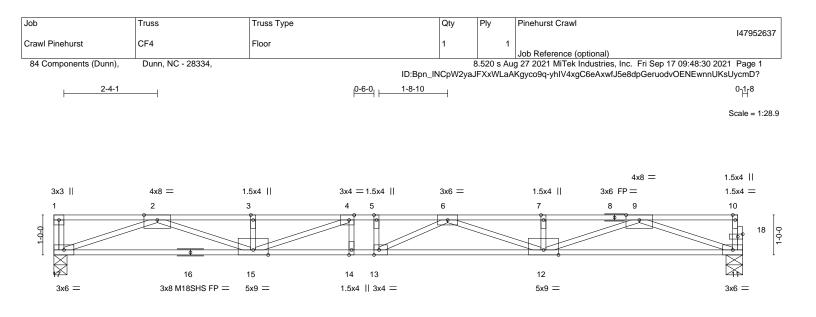
Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

6-13=-226/363







			17-3-0 17-3-0			
Plate Offsets (X,Y)	[4:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1	-8,0-0-12]				
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 0.46 BC 0.90 WB 0.75 Matrix-S	Vert(LL) -0.3	8 12-13 >532 48 3 12-13 >383 36		GRIP 244/190 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except end verticals.	athing directly applied or 5-10 applied or 10-0-0 oc bracing.	•

REACTIONS. (size) 17=0-3-15, 11=0-5-0

Max Grav 17=935(LC 1), 11=929(LC 1)

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

TOP CHORD 2-3=-3755/0, 3-4=-3755/0, 4-5=-4487/0, 5-6=-4487/0, 6-7=-3760/0, 7-9=-3760/0

BOT CHORD 15-17=0/2282, 14-15=0/4487, 13-14=0/4487, 12-13=0/4453, 11-12=0/2281

9-11=-2413/0, 2-17=-2421/0, 9-12=0/1573, 2-15=0/1568, 3-15=-254/0, 6-12=-738/0,

4-15=-946/0, 6-13=-314/421

NOTES-

WEBS

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

2) 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.

3) All plates are MT20 plates unless otherwise indicated.

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.

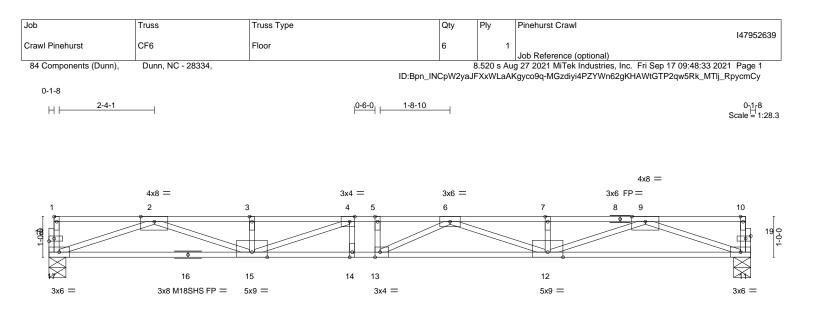




Job	Truss	Truss Type		Qty	Ply	Pinehurst Crawl		
Crawl Pinehurst	CF5	FLOOR GIRDER		1	, ,			147952638
84 Components (Dunn),	Dunn, NC - 28334,			8	2 3.520 s Au	Job Reference (option g 27 2021 MiTek Indus	nal) stries, Inc. Fri Sep 17 (09:48:32 2021 Page 1
0-1-8			ID:Bpn_INCp	W2yaJF	KxWLaAK	gyco9q-u4PFVciSeGQ	f9yTUmZfHL3wE?QhX	iEWDE5zQvNycmCz
H <u>2-4-14</u>		0-9-6			0-	9-6		0- <mark>1</mark> -8
111	I	1 1			I	I		Scale = 1:28.8
	5x12 = 3x6 FP =						5x12 = 3x6 FP=	
3x6 1	2 3	3x6 10x12 4 5 2	3x6 25 6 26	1	0x12 7	3x6 8	9 10	3x6 11
[.5 0 20		, 			
				=				24
	φ						<u> </u>	
5x12 =	21	20 19			15		13	
3,12 -	3x8 M18SHS FP =	6x6 =	5x16 =			6x6 = 3x8 M1	8SHS FP =	5x12 =
	- 44 0					17.0.0		
	7-11-8 7-11-8		8-7-8 + 9-3-8 + 0-8-0 + 0-8-0 +	0 = 1		17-3-0 7-11-8		
	[2:0-4-8,Edge], [5:0-3-0,Edge] [22:Edge,0-3-0]	, [7:0-3-0,Edge], [8:0-3-0,0-0-0], [[10:0-4-8,Edge], [1	2:Edge,	0-3-0], [14	1:0-1-8,Edgej, [17:0-8	-0,Edgej, [20:0-1-8,E	:dge],
OADING (psf)	SPACING- 2-0		DEFL.		(loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0		00 TC 0.48 00 BC 0.48	Vert(LL) Vert(CT)		20-22 20-22	>736 480 >527 360	MT20 M18SHS	244/190 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr I Code IRC2015/TPI201	VO WB 0.96 4 Matrix-S	Horz(CT)	0.04	12	n/a n/a	Weight: 277 lt	FT = 20%F, 11%E
LUMBER-			BRACING	<u>.</u>				
TOP CHORD 2x4 SP	DSS(flat)		TOP CHC			al wood sheathing dii and verticals.	ectly applied or 6-0-0) oc purlins,
NEBS 2x4 SP	DSS(flat) No.3(flat) *Except*		BOT CHO	ORD		iling directly applied	or 10-0-0 oc bracing.	
	17,2-20,10-12,7-17,10-14: 2x4	I SP No.2(flat)						
		17=1-4-0, 18=0-3-8, 16=0-3-8. ss at joint(s) except 22=3711(LC :	3), 12=3711(LC 5)), 17=57	14(LC 1),			
	18=1807(LC 16), 16=180		,, (,		()/			
		250 (lb) or less except when show 555/0, 4-5=-7555/0, 5-6=0/2914, (
7-8=-7	7555/0, 8-10=-7555/0							
14-15	=0/8726, 19-20=0/7555, 18-1 5=0/7555, 12-14=0/8726	9=0/7555, 17-18=0/7555, 16-17=	0/7555, 15-16=0/7	555,				
		-10797/0, 2-20=-1348/0, 4-20=-3 14=-1348/0, 7-15=0/469, 8-14=-3						
NOTES-								
1) Fasten trusses toget	her to act as a single unit as p loads have been considered	er standard industry detail, or loa	ids are to be even	y applie	d to all plie	es.		
As requested, plates	have not been designed to p	ovide for placement tolerances o		ind erect	ion condit	ions. It is		1100
4) All plates are MT20 p	plates unless otherwise indica						UNITH C	ARO
		10-0-0 oc and fastened to each ands or restrained by other means		0.131" X	3") nails.		N'OR	ISTA INT
6) CAUTION, Do not er	ect truss backwards.					l	inight	alline
DAD CASE(S) Stand	lard alanced): Lumber Increase=1	00 Plate Increase=1 00						EAL
Uniform Loads (plf)	,							844 E
Vert: 12-22=	-10, 1-11=-980						45	
							SE 45 No.Ng	EFR. AN
							PRE	NERNSUN
							in SW	1000
							Septem	ber 18.2021

September 18,2021





			17-3-0			
I			17-3-0			I.
Plate Offsets (X,Y)	[1:Edge,0-0-12], [4:0-1-8,Edge], [13:0-1	-8,Edge], [18:0-1-8,0-0-12]], [19:0-1-8,0-0-12]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.46 BC 0.90 WB 0.75 Matrix-S	Vert(LL) -0.38	n (loc) l/defl L/d 3 12-13 >532 480 3 12-13 >383 360 3 11 n/a n/a	PLATES MT20 M18SHS Weight: 84 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER-TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.		

17.2.0

REACTIONS. (size) 17=0-5-0, 11=0-5-0

Max Grav 17=929(LC 1), 11=929(LC 1)

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

TOP CHORD 2-3=-3756/0, 3-4=-3756/0, 4-5=-4486/0, 5-6=-4486/0, 6-7=-3759/0, 7-9=-3759/0

BOT CHORD 15-17=0/2279, 14-15=0/4486, 13-14=0/4486, 12-13=0/4453, 11-12=0/2281

9-11=-2413/0, 2-17=-2411/0, 9-12=0/1573, 2-15=0/1572, 3-15=-255/0, 6-12=-738/0,

4-15=-945/0, 6-13=-314/421

NOTES-

WEBS

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

2) 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.

3) All plates are MT20 plates unless otherwise indicated.

4) All plates are 1.5x4 MT20 unless otherwise indicated.

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.



818 Soundside Road Edenton, NC 27932

Job	Truss		Truss Type			Qt	y Ply	Pinehurst	Crawl				
Crawl Pinehurst	CF6E		Floor Suppor	ted Gable		1		1				14795	52640
	0102					·		Job Refer	ence (optional)			
84 Components (Dunn),	Dunn, NC - 2833	34,				•		s Aug 27 2021	MiTek Industri	es, Inc. Fri Se	p 17 09:48:34 2		
						ID:Bpn_INC	CpW2yaJFX>	WLaAKgyco9q	-rSX?wljiAtgN	OGdst_ilQU0g	goEUHAMTViP	SX_GycmC	Cx .
0- <mark>1</mark> -8												0- <u>1</u> -8	3
												Scale =	1.28 7
												ocale -	1.20.7
										3x6 FP =			
1 2	3	4	5	6	7	8	9	10	11	12 13	14	15	
	P	•		-						P		- P	Ī
	Ħ	П	Π	Π		Π					Π	₽	32 0-0-1
	_												÷
													1
30 29	28 27	26	25	24	23	22	21	20	19	18	17	16	
3x3 =	3x6 FP =											3x3 =	

Plate Offsets (X,Y)		4 0 0 0 401	17-3-0 17-3-0			
Plate Olisets (X, Y)	[1:Edge,0-0-12], [31:0-1-8,0-0-12], [32:0	-1-8,0-0-12]				
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 0.08 BC 0.01 WB 0.03 Matrix-R	DEFL. in Vert(LL) n/z Vert(CT) n/z Horz(CT) 0.00	a - n/a 999	PLATES MT20 Weight: 68 lb	GRIP 197/144 FT = 20%F, 11%E
BOT CHORD 2x4 SP	No.2 or 2x4 SPF No.2(flat) No.2 or 2x4 SPF No.2(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	<i>y</i> 11	oc purlins,

OTHERS 2x4 SP No.3(flat) 2x4 SP No.3(flat)

REACTIONS. All bearings 17-3-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17

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) All plates are 1.5x4 MT20 unless otherwise indicated.

3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

6) 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.





