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	210 Faye (91	JU[)D [[[E, 286	STF NC - 2	REE 283 760	T 805 6	
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with an							
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THOM							
ii CALL							
RAWINGS			I A IV		CAROLINA 27332		
CALE DF	THOM FOR THE	>		BUFFALO LAKE	SANFORD NORTH		
NOT	HER DESIGN BY			ETT COUNTY /	ACOCK LANE /		
ے ۲	TIONA			HE	131 PE		
	UAT VISE COD SHI	L: 1 D: D: K EET	U-2 12-1 ELR	0-2 -2. ES	2.5 3 1-2 N(3]
	JUI				1	<i>.</i> .	
	/ OF	/ 7					



FOUNDATION PLAN

NOTE: CONTRACTOR TO INSTALL NEW GUTTERS AND DOWN SPOUTS DOWN SPOUTS TO BE TIED INTO NEW DRAINAGE SYSTEM, THAT IS TO BE DISCHARGED INTO THE LAKE. PER CODE AND EPA REGULATIONS!!

OF 7



24''

3078 SF TOTAL HEATED

OF 7









FIRST FLOOR FRAMING PLAN SEE PRE-FAB / PRE-ENGINEERED FLOOR TRUSS AND LVL BEAM PLANS PROVIDED BY COMTECH



760 SF FUTURED

<u>GENERAL NOTES</u>

- NUMBNER OF UNITS, UNIT SIZES, ZONES AND PLACEMENT OF UNITS AND DUCTWORK
- SEE OWNER FOR ELEC OR GAS

FIRST FLOOR ELEC PLAN 1/4'' = 1'-0''

SECOND FLOOR ELEC PLAN

isDe	sign	Client: Project: Address:	Weaver Homes, Ind	<u> </u>	Date: Input by: Job Nam Project #	11/15/2023 David Landry e: Kelly Residence : J1123-6331	Page
BM1 Ke	rto-S LV	L 1.750"	X 11.875	" 2-Ply -	PASSED	Level: Level	
• • •	•••	• • •			• •		$\overline{\Sigma}$
1 SPF End Grai	in 0-3-8	 	• •	• • •	• • • 3 SPF	End Grain 1-0-0 4 SPF End Grai	<u>·</u> <u>→</u> <u>↓</u>
A'(2 SPF End Gra	n 1-0-0		11'/"		4/5 1/2"	
41	0		20	11.4" 1/2"		4'5 1/2"	3 1/2"
			20	J 3 1/2			Ι
lti-Ply Analy	/cic						
en all nlies u	isina 2 rows o	f 10d Box nails (128v3") at 12"	o c Maximum (and distance n	ot to exceed 6"	
city	0.	.0 %	120,5) at 12				
Lincit of an East	0.	0 PLF					
Limit per Foot	16 Ner 87	63.7 PLF 1 9 lb					
Ennic per l'astern	1	1.5 15.					
Mode	IV	/					
Distance	1	1/2"					
End Distance	3.						
tion Factor	1.	.00					
						Manufacturer Info	Comtech Inc
es	s is responsible only of the	chemicals Handling & Installatio	on	For flat roofs provide pro ponding	oper drainage to prevent	Metsä Wood	1001 S Reilly Rd., NC
tural adequacy of this in criteria and loading	component based on the ngs shown. It is the	1. LVL beams must not be cu 2. Refer	t or drilled			301 Merritt 7 Building, 2nd Floor	28314
nsibility of the custome	r and/or the contractor to itability of the intended	 Refer to manufacture regarding installation fastening details been a 	requirements, multi-ply			Norwalk, CT 06851 (800) 622-5850	(910) 864-8787
ation, and to verify the d	imensions and loads.	approvals 3. Damaged Beams must no	t be used			www.metsawood.com/us	
ny service conditions, unl	less noted otherwise	4. Design assumes top edge 5. Provide lateral support of	is laterally restrained				
LVL not to be treated with	fire retardant or corrosive	lateral displacement and r	natation				

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Client: Weaver Homes I	20	Date: 11/15/2023	Page 5 of 11
Project:	10.	Input by: David Landry	i age o oi i i
		Joh Nama: Kally Pasidanca	
		Droiget #: 11122 6221	
BM2 Kerto-S LVL 1.750" X 14.000"	2-Ply - PASSE		
• • • • • •	• • •	• • •	
			∭ 2ª
	• •	• • • •	•
		· · · · —	
1 SPF End Grain 0-3-8		2 SPF End Grain 0-3	³⁻⁸
	2'3 1/2"		
	20 112		0 1/2
1 1	2'3 1/2"		1
Multi-Ply Analysis			
Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12'	' o.c Maximum end dist	ance not to exceed 6".	
Capacity 0.0 %			
Load 0.0 PLF			
Yield Limit per Foot 245.6 PLF			
Yield Limit per Fastener 81.9 lb.			
CM 1			
Yield Mode IV			
Edge Distance 11/2 Min. End Distance 3"			
I oad Combination			
Duration Factor 1.00			
		Manufactures Info	Comtooh Inc
Notes chemicals	 For flat roofs provide proper drainage ponding 	to prevent Manufacturer Into	1001 S Reilly Rd NC
calculated Structured Designs is responsible only of the structural adequacy of this component based on the 1. LVL beams must not be cut or drilled		301 Merritt 7 Building. 2nd Floor	28314
design criteria and loadings shown. It is the 2 Refer to manufacturer's product information responsibility of the customer and/or the contractor to regarding installation requirements multi-niv		Norwalk, CT 06851	(910) 864-8787
ensure the component suitability of the intended application, and to verify the dimensions and loads. fastening details, beam strength values, and code approvals		(800) 622-5850 www.metsawood.com/us	
Lumber 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained			
 by service conditions, unless noted otherwise LVL not to be treated with fire retardant or corrosive Frovide lateral support at bearing points to avoid lateral displacement and rotation 	This design is valid until 6/00/00	126	соттесн
	This acay it is valid utilit 0/20/20	20	

CSD DESIGN

Client: Weaver Homes. In	c. Date:	11/15/2023	Page 7 of 11
Project:	Input	by: David Landry	5
isDesign Address:	Job N	ame: Kelly Residence	
	Projec	et #: J1123-6331	
BM3 Korto SIVI 1750" X 16 000"		Level: Level	
DIVIS REILO-S LVL 1.750 X 10.000	2-FIY - PASSED		
• • • • • • •	• • •	•••	
		5"	WW
	• • •	• • • •	1'4"
		· · · · · · · · · · · · · · · · · · ·	VVV L
1 SPE 0-3-8		2 SPE 0-3-8	
12'5 1/2"			3 1/2"
12'5 1/2"			
		·	
Multi-Ply Analysis			
Fasten all plies using 3 rows of 10d Box nails (128x3") at 12"	o.c. Maximum end distance	not to exceed 6".	
Load 0.0 PLF			
Yield Limit per Foot 245.6 PLF			
Yield Limit per Fastener 81.9 lb.			
CM 1 Vield Mode IV			
Edge Distance 1 1/2"			
Min. End Distance 3"			
Load Combination			
Duration Factor 1.00			
Notes chemicals	6. For flat roofs provide proper drainage to preve	Manufacturer Info	Comtech, Inc.
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the	ponding	Metsä Wood 301 Merritt 7 Building, 2nd Eloor	1001 S Reilly Rd., NC 28314
design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to responsibility of the customer and/or the contractor to		Norwalk, CT 06851	(910) 864-8787
ensure the component suitability of the intended application, and to verify the dimensions and loads.		(800) 622-5850 www.metsawood.com/us	
Lumber 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained			
 by some continuous, unless noted otherwise LVL not to be treated with fire retardant or corrosive Provide lateral support at bearing points to avoid lateral displacement and rotation 	This design is valid until 6/28/2026		соттесн

		C	Client:	Weaver Hor	nes, Inc.			Date:	11/15/20)23				Page 8 of 11
	Decign	F	Project:					Input b	by: David L	andry				
	Design	Α	ddress:					Job Na	ame: Kelly Re	esidence				
	0 0 0 1 10			10.000				Projec	t#: J1123-6	331				
BM4	S-P-F #2	2.00	0" X	10.000	" 3-P	'ly - PA	455	ED	Level. Leve	•1				
			- 5											
	4					•••••			•••••					
		2					— 3)						
				1										$\neg \prec$
•		•		•	•		•		•	•			N/M	M I
													XIXI) 9
		•	The state	•		A.F.	•		Co. Carr	•			/ V V	A L
	End Croin 0.2.9							2 605	End Crain 0					
1 3FF	Enu Grain 0-3-6							2 3 7 7	End Grain 0-3	<u>, , , , , , , , , , , , , , , , , , , </u>				1
,				ľ									I	4 1/2"
1				7'						1				
Member In	formation						Reac	tions U	INPATTERI	NED Ib (Uplift)			
Туре:	Girder		Applicat	tion:	Floor		Brg	Directio	n Live	e D	ead	Snow	Wind	Const
Plies: Moisture Con	3 dition: Drv		Design	Method:	ASD IBC/IRC 2015		1	Vertical	2104	1 1	733	417	0	0
Deflection LL:	: 480		Load St	naring:	Yes		2	Vertical	2104	1 1	733	417	0	0
Deflection TL	: 360		Deck:	U	Not Checked									
Importance:	Normal - II		Ceiling:		Gypsum 1/2"									
Temperature:	Temp <= 10	0°F					Beer							
							Bear	ings	ath Dia	Can Da	a at D/L lb	Tatal		I d. Camp
							Bea	ring Ler	ngtn Dir. 00" Vert	57% 1	act D/L ID	10tai 3836	Ld. Case	La. Comp. D+l
							End	JFT 0.00		0770 1	10072104	0000	-	DIE
Analysis Re	esults						Gra	in DE 0.5		F7 0/ 4	700 / 0404	2022		D.I
Analysis	Actual	Location A	llowed	Capacity	Comb.	Case	End	SPF 3.50	JU" Vert	57% 1	/33/2104	3836	L	D+L
Moment	5863 ft-lb	3'6" 5	919 ft-lb	0.990 (999	%) D+L	L	Gra	in						
Unbraced	5863 ft-lb	3'6" 5	919 ft-lb	0.990 (99)	%) D+L	L								
	2072 ID 0.060 (I./1317)	3'6" 0	164 (I /480	0.713 (713	%) D+L %) I	L								
TL Defl inch	0.109 (L/722)	3'6" 0	.218 (L/360)) 0.498 (50 [°]	%) D+L	L								
Design No	tos			,	,		1							
1 Provide su	pport to prevent lat	eral movement	and rotatio	n at the end l	pearings. Late	ral support	4							
may also b	e required at the in	terior bearings	by the build	ding code.		atanaa nat								
to exceed	6". Nail from both s	ides.	6 (. 12033)	al 12 O.C. IVI8	aximum ena ai	stance not								
3 Refer to la	st page of calculation	ons for fastener	s required	for specified I	oads.									
5 Top loads i	e designed to be su must be supported	equally by all p	bottom edg lies.	je oniy.										
6 Top must b	e continuously late	rally braced.												
/ Lateral slei	nderness ratio base	ea on single ply ı	width.	Trib Width	Side	Dead 0.0	1		Spow 1 15	Wind 1 6	Const 1	25 00~	mento	
יט 1	Luau Type	L	ocation		Top	121 DI F	36 I	1001 C	0 DI E			∠0 UOM IF F1	IIICIIIS	
3	Uniform				Top		50					LE Wai		
1	Uniform				Top							LF M2		
+ 5	Tie-In Far	∩_∩_∩	to 7-0-0	6-0-0	Ton	15 PSF	Л	PSF	0 PSF				r	
5	Tie-In Near	0-0-0	to 7-0-0	0-0-0	Top	15 PSF	4	D PSF				SF Floor	r	
5	ne-in near	0-0-0	10 7-0-0	0-0-0	юр	13 - 35	4	J F3F	0 555	0 55	UP	3F F1001	I	
									Manufactu	rer Info		Comtec	h, Inc.	
												28314	Reilly Ra.,	
												(910) 86	64-8787	
													от	есн
					This	design is valid	until 6/2	8/2026						

isDesign	Client: W Project: Address:	leaver Homes, Inc.	Date: Input by Job Nan Proiect #	11/15/2023 David Landry ne: Kelly Residence # J1123-6331	Page 9 of 11
3M4 S-P-F #2	2.000" X 1	0.000" 3-Ply	- PASSED	Level: Level	
• •	•	• •	•		
• •	•	• •	•	• • + + + + + + + + + + + + + + + + + +	
1 SPF End Grain 0-3-8		7'	2 SPF E	End Grain 0-3-8	4 1/2"
		7'			
ti-Ply Analysis					
en all plies using 2 ro	ws of 10d Box nails (.1	28x3") at 12" o.c Nail f	from both sides. Ma	ximum end distance not to	exceed
city	0.0 %				
	0.0 PLF				
Limit per Foot Limit per Fastener	157.4 PLF 78.7 lb.				
	1				
Mode	IV 1 1/2"				
End Distance	3"				
Combination					
ion Factor	1.00				
				Manufactures late	Comptante l
				wanuracturer into	L Comtech Inc
					1001 S Reilly Rd., NC

соттесн

This design is valid until 6/28/2026

isDesign	Client: Project: Address:	Weaver Homes, Inc.	Date: Input by: Job Name Project #:	11/15/2023 David Landry e: Kelly Residence J1123-6331	Page 11 of 11
GDH S-P-F #2	2.000" X	12.000" 2-Ply	- PASSED	Level: Level	
	· · ·	· · ·	• •	• •	
1 SPF End Grain 0-3-8		10'10"		2 SPF End Grain	
<i>↓</i>		10'10"			
Multi-Ply Analysis					
Capacity Load Yield Limit per Foot Yield Mode Edge Distance Min. End Distance Load Combination Duration Factor	0.0 % 0.0 PLF 157.4 PLF 78.7 lb. 1 IV 1 1/2" 3" 1.00				
				Manufacturer Info	Comtech, Inc. 1001 S Reilly Rd., NC 28314 (910) 864-8787
		This desigr	n is valid until 6/28/2026		соттесн

Indicates Left End of Truss
 (Reference Engineered Truss Drawing)
 Do NOT Erect Truss Backwards

Taten Legend						
	Tray Ceiling					
	Vaulted Ceil					
	Drop Beam					
	Flush Beam					

CITY / CO.	Sanford / Harnett	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual designer about for each true design identified on the placement during. The building designer		
ADDRESS	131 Peacock Lane	is responsible for temporary and permanent bracing of the rond and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss	соттесн	
MODEL	Roof	delivery package or online @ sbcindustry.com Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables.	ROOF & FLOOR	
DATE REV.	11/28/23	(derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those	TRUSSES & BEAMS	
DRAWN BY	David Landry	specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.	Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444	
SALES REP.	Lenny Norris	SignatureDavid Landry		

ot to exceed 24"oc.	
a = 4938.52 sq.ft.	
e = 133.5 ft.	
= 14.7 ft.	
I = 215.93 ft.	
H = 209.56 ft.	
= 170 sheets	

Dimension Notes 1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise 2. All interior wall dimensions are to face of frame wall unless noted otherwise 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

▲ = Indicates Left End of Truss (Reference Engineered Truss Drawing) Do NOT Erect Truss Backwards

CITY / CO.	Sanford / Harnett	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design		
ADDRESS	131 Peacock Lane	sheets for each russ design identified on the packetine drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss	соттесн	
MODEL	Roof	delivery package or online @ sbcindustry.com Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables	ROOF & FLOOR	
DATE REV.	11/13/23	derived from the prescriptive Code requirements i to determine the minimum foundation size and number of wood studs required to support reactions greater than 300# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.	TRUSSES & BEAMS Reilly Road Industrial Park	
DRAWN BY	David Landry		Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444	
SALES REP.	Lenny Norris	SignatureDavid Landry		