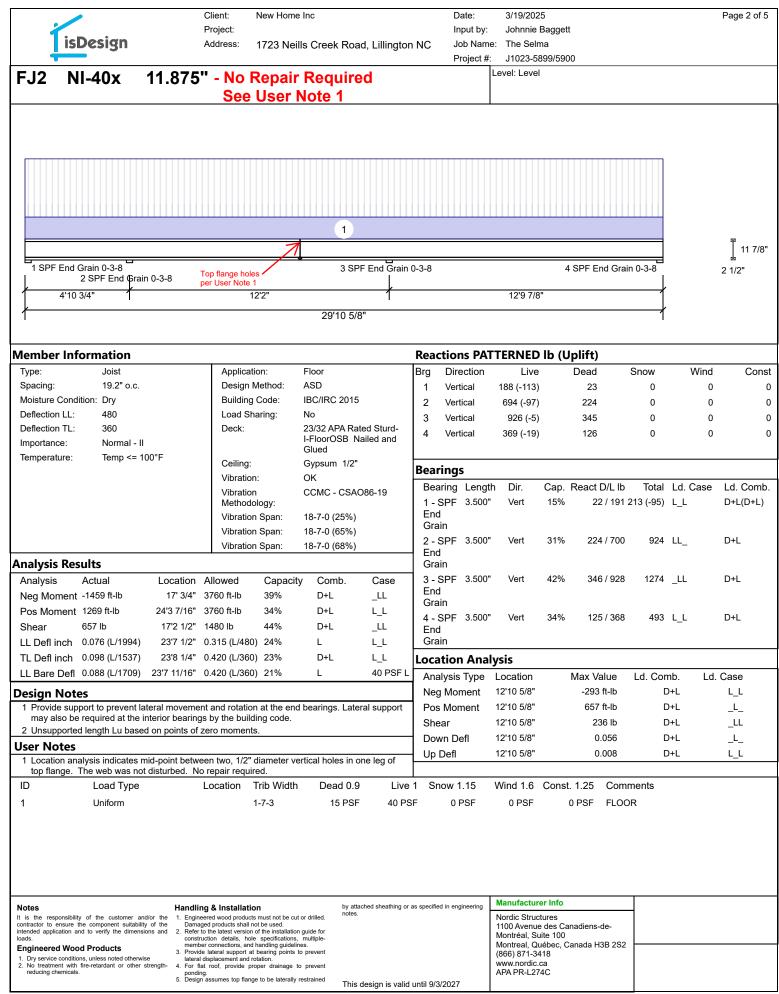
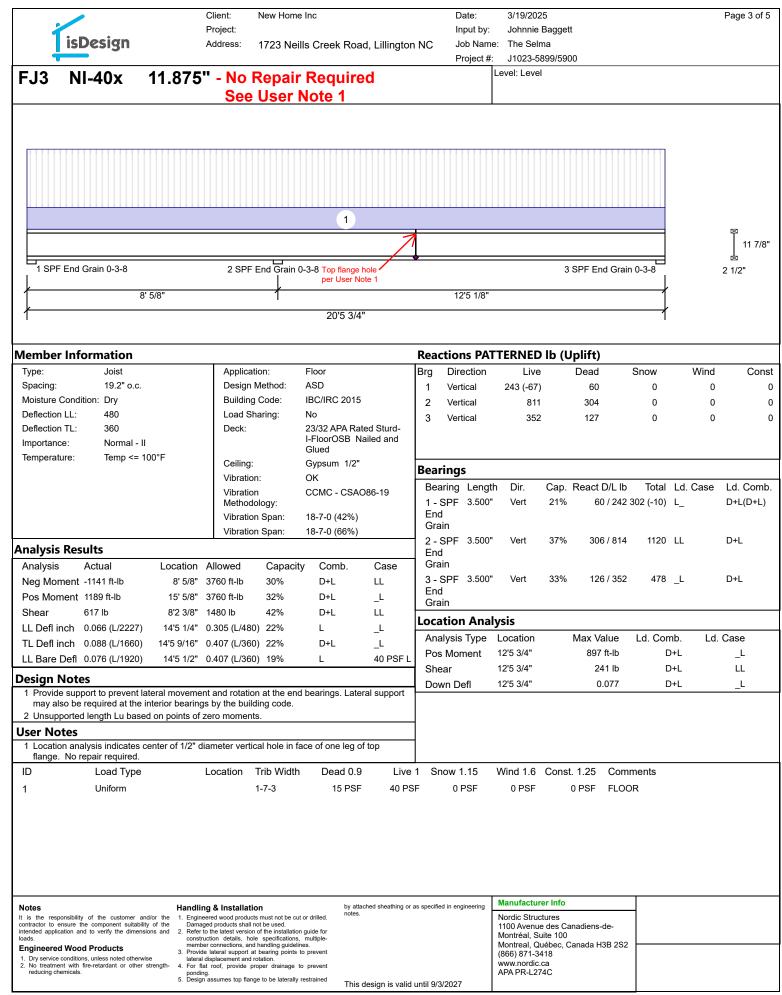
lis	Design		Client: Project: Address:	New Home	Inc Is Creek Road	I, Lillingtor	n NC	Date: Input by: Job Name Project #:	3/19/202 Johnnie e: The Selr J1023-56	Baggett na				Page 1 of 5
FJ1 N	II-40x	11 875	" - No	Renair	Require	d		,	Level: Level					
		11.075		User I		u .								
			366	USer	NOLE I									
		7												11 7/8
1 SPE End	Grain 0-3-8 🖊	23	SPF End Gra	ain 0-3-8		3.5	PF End	d Grain 0-3-8		Ģ	5 SPF End Grai	in 0-3-8		\$
Тор	o flange hole 🖊	2.				00			F End <b>G</b> rain					2 1/2"
per per	User Note 1 12'9 5	5/8"	- 1		12'2 1/4"			4'4 3/4	4" T		8'5 1/8"	/		
<u> </u>			•		-				•					
I					37'9 3/4"							I		
Member In	formation						Read	ctions PAT	TERNED	lb (U	plift)			
Туре:	Joist		Applica	tion:	Floor		Brg	Direction	Live		Dead	Snow	Wind	Cons
Spacing:	19.2" o.c		Design	Method:	ASD		1	Vertical	368 (-19)		125	0	0	
Moisture Cond	dition: Dry		Building	g Code:	IBC/IRC 2015		2	Vertical	925 (-5)		345	0	0	
Deflection LL:	480		Load S	haring:	No		3	Vertical	680 (-155)		197	0	0	
Deflection TL:			Deck:		23/32 APA Rate I-FloorOSB Na		4	Vertical	532 (-130)		151	0	0	
Importance:	Normal -				Glued	lieu anu	5	Vertical	246		89	0	0	
Temperature:	Temp <=	100°F	Ceiling	:	Gypsum 1/2"			•						
			Vibratio		OK		<u> </u>	rings						
			Vibratic	on	CCMC - CSAO	86-19		aring Lengtl		•	React D/L lb		.d. Case	Ld. Comb
			Method					SPF 3.500"	Vert	34%	125 / 367	492 L	L_	D+L
			Vibratic	on Span:	18-7-0 (68%)		Enc Gra							
				on Span:	18-7-0 (66%)		_	SPF 3.500"	Vert	42%	346 / 927	1273 L		D+L
				on Span:	18-7-0 (24%)		Enc		Vent	42 /0	3407 321	12/5 1	·	DIL
			Vibratic	on Span:	18-7-0 (44%)		Gra							
Analysis Re	sults							SPF 3.500"	Vert	30%	196 / 690	886 _	LL_	D+L
Analysis	Actual	Location	Allowed	Capacity	/ Comb.	Case	Enc Gra							
Neg Moment	t -1457 ft-lb	12'9 5/8"	3760 ft-lb	39%	D+L	LL		UII SPF 3.500"	Vert	23%	151 / 544	695 L		D+L
Pos Moment	1264 ft-lb	5'7 1/16"	3760 ft-lb	34%	D+L	L_LL	Enc		ven	2370	131/ 344	095 L		D+L
Shear	656 lb	12'7 7/8"	1480 lb	44%	D+L	LL	Gra							
LL Defl inch	0.075 (L/2001	) 6'3 1/16"	0.314 (L/48	0) 24%	L	L_LL	5 -	SPF 3.500"	Vert	23%	89 / 244	333 _	L	D+L
TL Defl inch	0.098 (L/1542	) 6'2 1/4"	0.419 (L/36	0) 23%	D+L	L_LL	Enc							
LL Bare Defl	0.088 (L/1717	) 6'2 13/16"	0.419 (L/36	0) 21%	L	40 PSF L	Gra							
Design Not	·ec						Loca	tion Anal	ysis					
-		lateral moveme	nt and rotatio	on at the end	bearings. Latera	al support	Ana	alysis Type	Location		Max Value	Ld. Comb	o. Ld	Case
may also be	e required at the	e interior bearing	s by the buil	ding code.	.9-1 201010	LL S.	1	g Moment	8'		-59 ft-lb	D+		_L
	-	ed on points of	zero momen	ts.			Pos	Moment	8'		1009 ft-lb	D+	L	L_LL
User Notes							She		8'		247 lb	D+	L	LL
		center of 1/2" d repair required.		cal hole in or	ne leg of top flan	ge. The	Dov	wn Defl	8'		0.088	D+	L	L_LL
ID	Load Type	- · · ·		Trib Width	Dead 0.9	Live	1 Sr	now 1.15	Wind 1.6	Const	. 1.25 Com	ments		
1	Uniform			1-7-3	15 PSF	40 PS		0 PSF	0 PSF		0 PSF FLOC			
I	omonn			1-1-0	10 - 01	-+v r c		UT OF	010		FLUC			
Notes Handling & Installation by attached sheathing or a								ed in engineering	Manufactur	er Info				
It is the responsibili	ity of the customer	and/or the 1. Engine	ered wood produc	ts must not be cut	notee				Nordic Struc					
contractor to ensure the component suitability of the intended application and to verify the dimensions and 2. Refer to the latest version of the installation guide for									1100 Avenue Montréal, Su		nadiens-de-			
loads. Engineered Wood Products S. Provide lateral support at bearing points to prevent									Montreal, Q	lébec, C	anada H3B 2S2			
<ol><li>No treatment with</li></ol>	ons, unless noted other n fire-retardant or othe	wise lateral	displacement and						(866) 871-34 www.nordic.	са				
reducing chemical	s.	pondir	g.	ige to be laterally r	restrained		un#1.0/2	2/2027	APA PR-L27	4C				
		-			i nis di	esign is valid	unui 9/3	012021						





isDesign Address: 1723 Neills Creek Road, Lillington NC Job Name: Th	ohnnie Baggett	
	he Selma	
Project #: J1	1023-5899/5900	
FJ4 NI-40x 11.875" - No Repair Required	el: Level	
See User Note 1		
1		
	1	
		11 7/8" ⊠
	flange hole 3 SPF End Grain 0-3-8 User Note 1	2 1/2"
9' 5/8" 1 8'5 1		
17'5 3/4"		
	'	
Member Information Reactions PATTER	RNFD lb (Unlift)	
Type: Joist Application: Floor Brg Direction	Live Dead Snow	Wind Const
	66 (-10) 90 0	0 0
Moisture Condition: Dry         Building Code:         IBC/IRC 2015         2         Vertical	662 248 0	0 0
	50 (-19) 81 0	0 0
Deflection TL: 360 Deck: 23/32 APA Rated Sturd- I-FloorOSB Nailed and		
Glued Glued		
Temperature: Temp <= 100°F Ceiling: Gypsum 1/2" Bearings		
Vibration: OK	Dir Can Baaat D/Lilb Tatal Ld	Casa Id Camb
Vibration CCMC - CSA086-19	Dir. Cap. React D/L lb Total Ld	
	Vert 25% 90 / 265 355 L_	D+L
Vibration Span: 18-7-0 (47%) End Vibration Span: 18-7-0 (44%) Grain		
2 - SPF 3.500" V	Vert 30% 249 / 665 914 LL	D+L
Analysis Results End Analysis Actual Location Allowed Capacity Comb. Case Grain		
	Vert 23% 80 / 250 330 _L	D+L
Pos Moment 635 ft-lb 4' 3/8" 3760 ft-lb 17% D+l I End	-	
Pos Moment         635 ft-lb         4' 3/8"         3/60 ft-lb         17%         D+L         L_         Grain           Shear         455 lb         8'10 7/8"         1480 lb         31%         D+L         LL         Grain		
LL Defl inch 0.024 (L/4471) 4'6 1/8" 0.221 (L/480) 11% L L_	5	
	cation Max Value Ld. Comb.	Ld. Case
	5 3/4" 410 ft-lb D+L	_L
	5 3/4" 154 lb D+L	_L
Design Notes         Down Defl         15'5           1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support         Down Defl         15'5	5 3/4" 0.017 D+L	_L
may also be required at the interior bearings by the building code.		
2 Unsupported length Lu based on points of zero moments.		
User Notes 1 Location analysis indicates center of 1/2" diameter vertical hole in face of one leg of top		
flange. No repair required.		
	nd 1.6 Const. 1.25 Comments	
1 Uniform 1-7-3 15 PSF 40 PSF 0 PSF 0	0 PSF 0 PSF FLOOR	
	nd 1.6 Const. 1.25 Comments 0 PSF 0 PSF FLOOR	
Notes Handling & Installation by attached sheatling of as specified in engineering	dic Structures	
contractor to ensure the component suitability of the Damaged products shall not be used. 1100	0 Avenue des Canadiens-de-	
loads. construction details hole specifications, multiple-	ntréal, Suite 100 ntreal, Québec, Canada H3B 2S2	
I. Dry service conditions, unless noted otherwise         3. Provide lateral support at bearing points to prevent lateral displacement and rotation.         (866)	6) 871-3418 <i>w</i> .nordic.ca	
reducing chemicals. APA	N PR-L274C	
5. Design assumes top flange to be laterally restrained This design is valid until 9/3/2027		

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