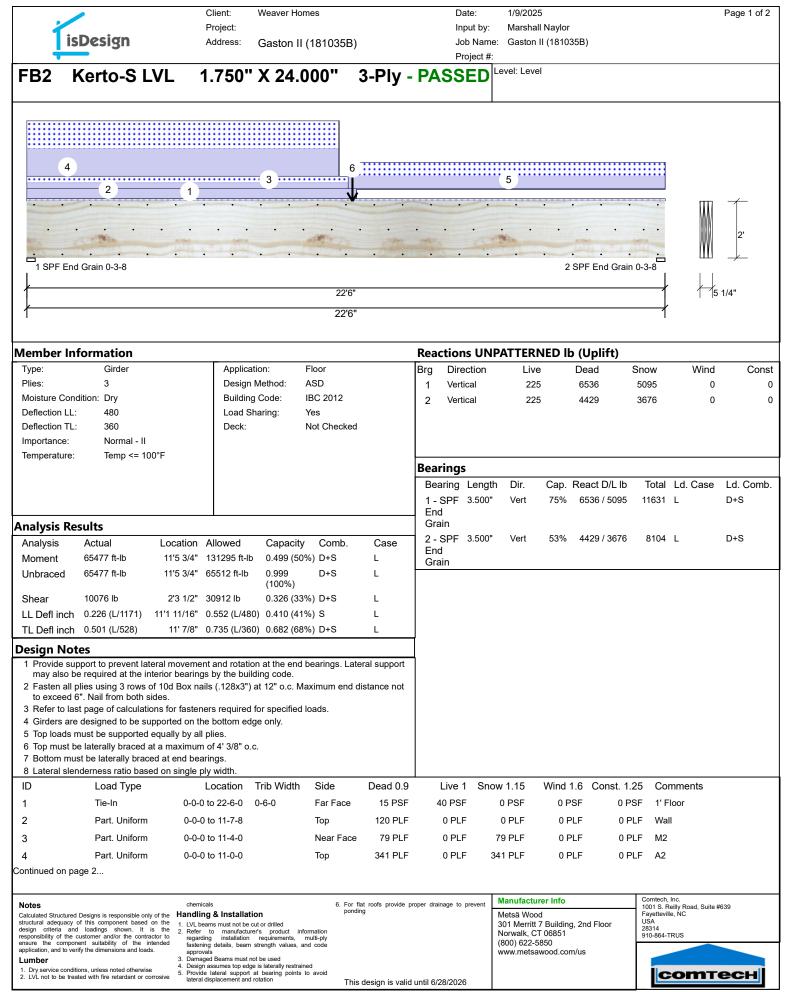
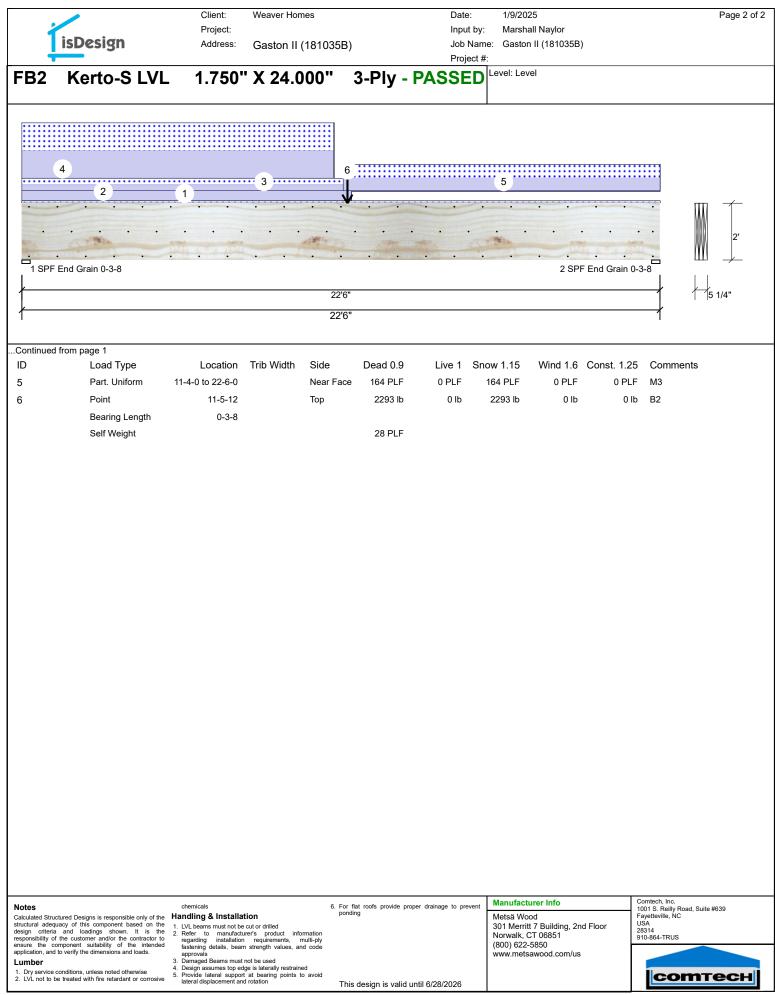
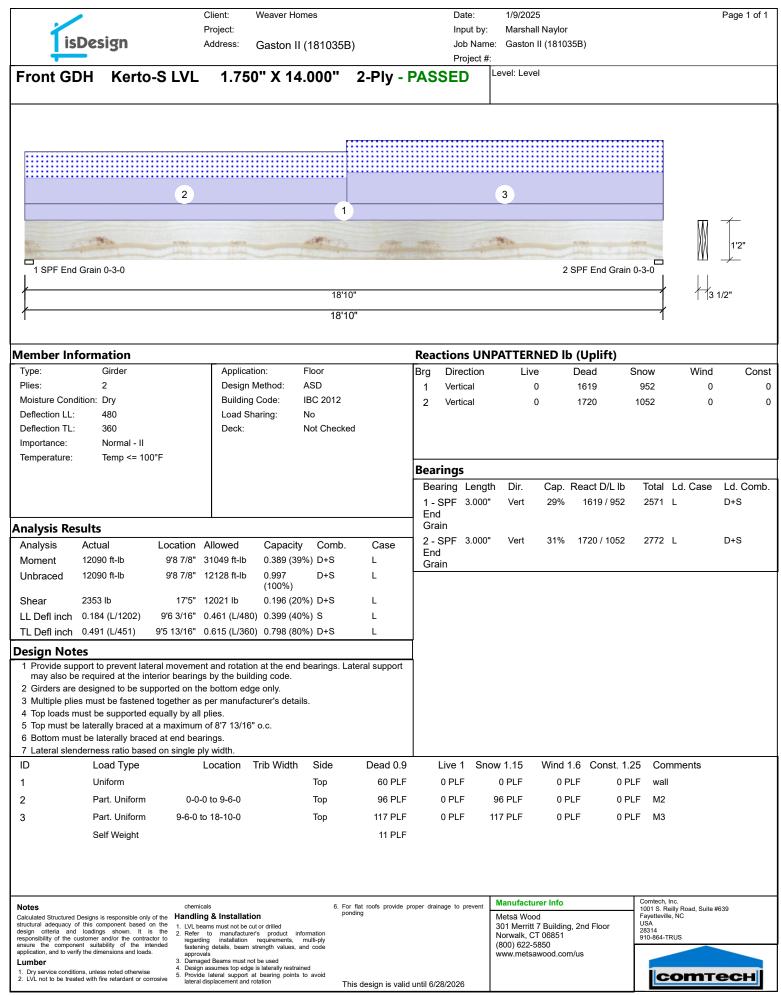
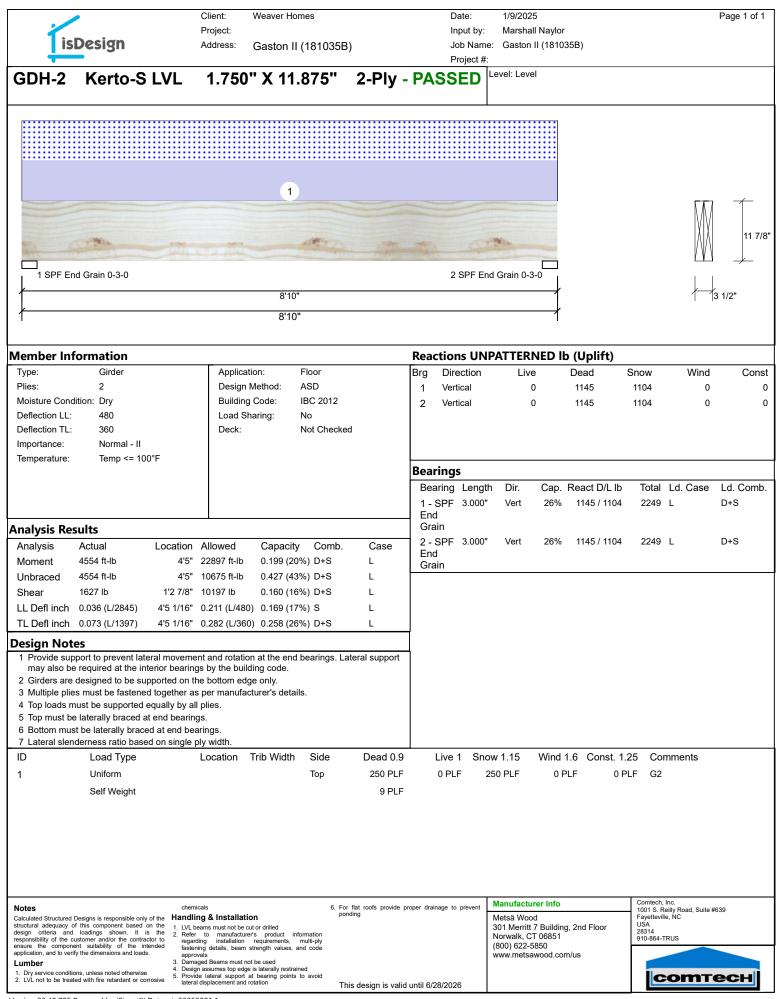


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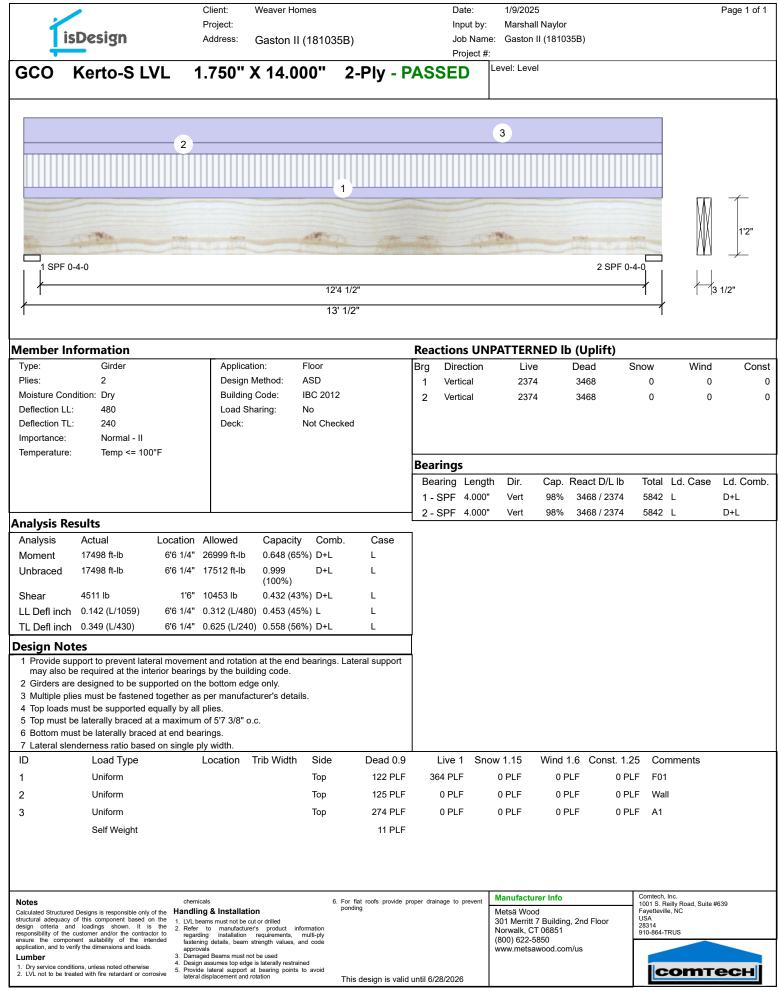








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	Design	Pi	oject: Idress: G		181035B) <b>9.250''</b>	2-Ply	- P/	Project	ame: t #:	1/9/2025 Marshall Gaston I vel: Level	Naylor I (18103	5B)			Page 1 of <sup>2</sup>
	2					3									9
1 SPF E	End Grain 0-3-8		1 1141	6'7" 6'7"			2 SF	PF End Gra	rain 0-∹	3-8				/	3 1/2"
Member Inf	formation						Read	tions U		TTERN	IFD lb	(Uplift)			
Type: Plies: Moisture Cond Deflection LL: Deflection TL: Importance:	Girder 2		Application Design Me Building C Load Shar Deck:	thod: A ode: I ing: N	Floor ASD BC 2012 No Not Checked		Brg 1 2	Direction Vertical Vertical		Live 1060 1060		Dead 1887 1887	Snow 1113 1113	Wind 0 0	Con
Temperature:	Temp <= 100	°F						ring Ler SPF 3.50	-	Dir. Vert	Cap.   34%	React D/L 1887 / 16		Ld. Case	Ld. Com D+0.75(L
TL Defl inch Design Note 1 Provide sup may also be 2 Girders are 3 Multiple plie 4 Top loads m 5 Top must be 6 Bottom mus	Actual 5009 ft-lb 5009 ft-lb 2387 lb 0.042 (L/1741) 0.091 (L/807) <b>ES</b> port to prevent late e required at the inter designed to be sup- provent be fastened nust be supported e e laterally braced at st be laterally braced	3'3 1/2" 0. ral movement a erior bearings b ported on the l together as pe qually by all pli end bearings. d at end bearing	423 ft-lb 4451 ft-lb 443 lb 153 (L/480) 204 (L/360) 204 (L/360) and rotation a by the buildin bottom edge er manufactur es. gs.	0.479 (489 0.300 (309 0.276 (289 0.446 (459 at the end b g code. only.	Ū	S) L S) L L S) L	Gra 2 - : Enc Gra	SPF 3.50	00"	Vert	34%	1887 / 16	29 3516	5 L	D+0.75(L
7 Lateral slen ID 1 2	derness ratio based Load Type Uniform Uniform			b Width	Side Top Top	Dead 0.9 108 PLF 120 PLF	32	Live 1 S 2 PLF 0 PLF		1.15 PLF PLF	Wind 1 0 Pl 0 Pl		0 PLF F4	omments	
3	Uniform Self Weight				Тор	338 PLF 7 PLF		0 PLF	338	PLF	0 PI	LF	0 PLF A4	L	
structural adequacy o design criteria and responsibility of the cr ensure the compone application, and to verif <b>Lumber</b> 1. Dry service condition	Designs is responsible only of f this component based or loadings shown. It is ustomer and/or the contract ent suitability of the inthe fy the dimensions and loads. ons, unless noted otherwise ted with fire retardant or corr	1. LVL beam 2. Refer to regarding approvals 3. Damaged 4. Design as 5. Provide la	& Installation s must not be cut or manufacturers installation re details, beam stree Beams must not be sumes top edge is I teral support at b lacement and rotat	product info quirements, n ngth values, an used aterally restraine earing points to	pondin nuti-ply d code d avoid	t roofs provide pr g design is valid			M 30 N (8	anufactum etsä Wood )1 Merritt 7 orwalk, CT 00) 622-58 ww.metsav	Building 06851 850	, 2nd Floor 1/us	Fayetter USA 28314 910-864	Reilly Road, Suite rille, NC	

/		Client: Project:	Weaver Ho	mes		Date: Input by:	1/9/2025 Marshall			Page 1 of
isD	Design	Address:	Gaston II	(181035B)		Job Nam	e: Gaston II	(181035B)		
	•	_				Project #				
Window H	ldr. Kerto	-S LVL 1	750" X	14.000"	2-Ply	- PASSED	Level: Level			
6			1	5						1'2"
1										
1 SPF End	Grain 0-3-0		2 SPF	End Grain 0-3-0	°				I	
ł		6'10"			1				ť	3 1/2"
ł		6'10"			$\neg$					
Aember Info		— <u> </u>				Reactions UN		-		
Type: Plies:	Girder 2	Applic	ation: n Method:	Floor ASD		Brg Direction 1 Vertical	Live 2861	Dead 3387	Snow Wi 1990	nd Cor 0
Moisture Conditi		-	ng Code:	IBC 2012		2 Vertical	873	1906	1168	0
Deflection LL:	480		Sharing:	No		2	0.0	1000		C C
Deflection TL:	360	Deck:		Not Checked						
Importance:	Normal - II									
Temperature:	Temp <= 100°F					Boorings				
						Bearings		Can Deast D/L lb		
						Bearing Lengt		Cap. React D/L lb 80% 3387 / 3638		
						1 - SPF 3.000' End	" Vert	80% 3387 / 3638	6 7025 L	D+0.75(I
nalysis Resu	ılts					Grain				
		ocation Allowed	Capacity	Comb.	Case	2-SPF 3.000'	" Vert	39% 1906 / 1531	3437 L	D+0.75(I
Moment 1	11172 ft-lb	2' 31049 ft-lb	0.360 (36	%) D+0.75(L+	S) L	End Grain				
Unbraced 1	11172 ft-lb	2' 15767 ft-lb	0.709 (71	%) D+0.75(L+	S) L					
Shear 6	6407 lb	1'5" 12021 lb	0.533 (53	%) D+0.75(L+	S) L					
LL Defl inch	0.033 (L/2343)	2'7 5/8" 0.161 (L/4	30) 0.205 (20	%) 0.75(L+S)	L					
TL Defl inch	0.067 (L/1165)	2'8 7/8" 0.215 (L/3	60) 0.309 (31	%) D+0.75(L+	S) L					
esign Notes	S									
1 Provide suppo	ort to prevent lateral	movement and rotat	ion at the end	bearings. Late	ral support					
	equired at the interio esigned to be suppor									
	must be fastened tog		• •	ls.						
-	st be supported equa									
	aterally braced at en be laterally braced at	-								
	erness ratio based or									
ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1 Sno	ow 1.15	Wind 1.6 Const. 1	1.25 Comments	
1	Uniform			Тор	120 PLF	0 PLF	0 PLF	0 PLF 0	PLF WALL	
2	Tie-In	0-0-0 to 2-0-0	1-0-0	Тор	20 PSF	0 PSF	20 PSF	0 PSF 0	PSF 2' ROOF	
3	Point	1-9-8		Тор	1040 lb	3115 lb	0 lb	0 lb	0 lb F08	
	Bearing Length	0-3-8								
4	Point	2-0-0		Тор	2385 lb	0 lb	2385 lb	0 lb	0 lb C3	
	Bearing Length	0-3-8								
ontinued on page	e 2									
lotos		chemicale		6 Ear ffr	at roofs provide an	oper drainage to provert	Manufacture	er Info	Comtech, Inc.	
Notes chemicals 6. For flat roofs provide pr Calculated Structured Designs is responsible only of the Handling & Installation						opor uramage to prevent	Metsä Wood		1001 S. Reilly Road, S Fayetteville, NC	uite #639
structural adequacy of this component based on the 1. LVL beams must not be cut or drilled design criteria and loadings shown. It is the 2. Refer to manufacturer's product information							301 Merritt 7 Norwalk, CT	Building, 2nd Floor 06851	USA 28314 910-864-TRUS	
ensure the component	tomer and/or the contractor to suitability of the intended the dimensions and loads.	regarding installation fastening details, bear	requirements,	multi-ply			(800) 622-58	50	310-004-1KUS	
Lumber		approvals 3. Damaged Beams must 4. Design assumes top ed	not be used ge is laterally restrai	ned			www.metsaw	/oou.com/us		
<ol> <li>Dry service conditions</li> <li>LVL not to be treated</li> </ol>	s, unless noted otherwise with fire retardant or corrosive	E Provido latoral cunnor	t at bearing points	to avoid	design is valid	until 6/28/2026			com	тесн
	with fire retardant or corrosive wered by iStruct <sup>™</sup> Data	ateral displacement an	d rotation		design is valid	until 6/28/2026				

		i nis design is valid			
ensure the component suitability of the intended application, and to verify the dimensions and loads. Lumber 1. Dry service conditions, unless noted otherwise 2. LVL not to be treated with fire retardant or corrosive	fastening details, beam strength values, and c approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to a lateral displacement and rotation		until 6/00/2020	www.metsawood.com/us	соттесн
structural adequacy of this component based on the	chemicals Handling & Installation 1. UX beams must not be cut or drilled 2. Refer to manufacturer's product informar regarding installation requirements, mult	i-ply	roper drainage to prevent	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850	Comtech, Inc. 1001 S. Relly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS
					Combab Inc
5 Part. Uniform 6 Part. Uniform Self Weight		Top 160 PLF Top 97 PLF 11 PLF	0 PLF 300 PLF		PLF C2 PLF F07
Continued from page 1 ID Load Type	Location Trib Width	Side Dead 0.9	Live 1 Sno	ow 1.15 Wind 1.6 Const.	1.25 Comments
<u>}</u>	6'10" 6'10"	]			13 1/2"
1 SPF End Grain 0-3-0		Grain 0-3-0			
an critta		# The The			1'2"
2	1	5			
6 3 4				L	
Window Hdr. Kerto-	S LVL 1.750" X 14	l.000" 2-Ply	Project #	: Level: Level	
isDesign	Client: Weaver Homes Project: Address: Gaston II (18	81035B)	Input by: Job Nam	e: Gaston II (181035B)	