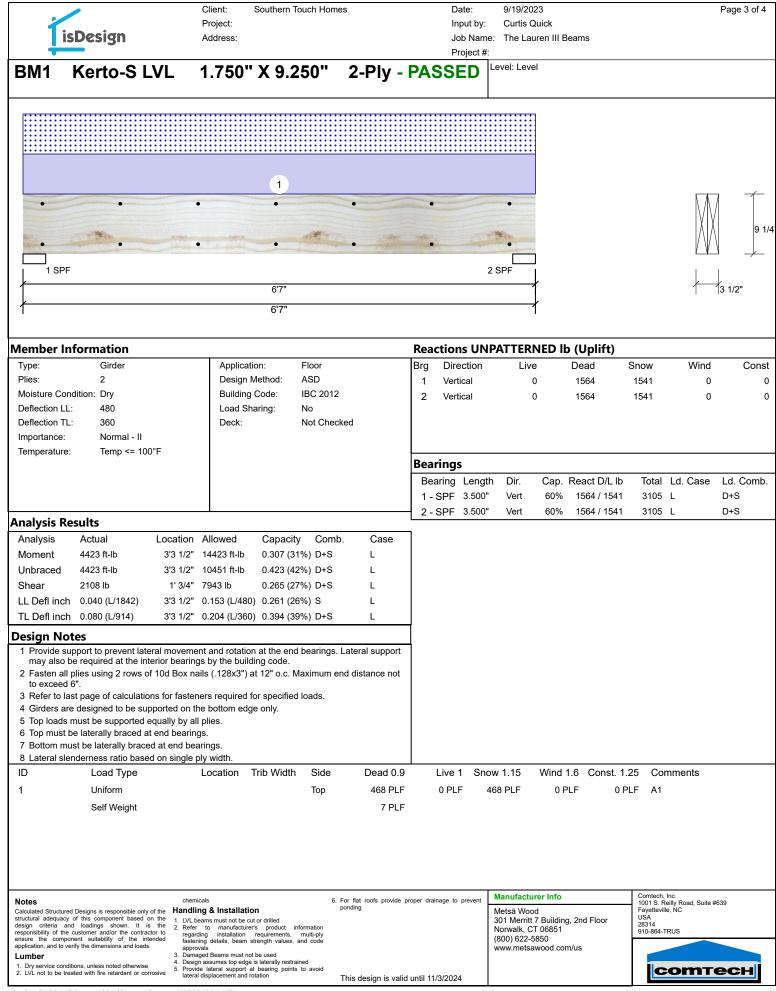


isDesign	Client: Project:	Southern Touch Homes	Date: 9/19/2023 Input by: Curtis Quick Job Name: The Lauren III Beams	Page 2 of 4
Ispesign	Address:		Project #:	
GDH Kerto-S	5 LVL 1.750"	X 16.000" 3-Ply - PA	ASSED	
				· · 1/2 1/4"
	<u></u>	<u> </u>	•••••••	
/		18'10"		5 1/4"
ļ		18'10"		
I		10 10		I
Multi-Ply Analysis				
	rows of 10d Box nails	; (.128x3") at 12" o.c Nail from b	oth sides. Maximum end distance 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.			
Yield Mode Edge Distance	IV 1 1/2"			
Min. End Distance	3"			
Load Combination	3			
Duration Factor	1.00			
	1.00			

Notes	chemicals	6. For flat roofs provide proper drainage to prevent	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the	I. LVL beams must not be cut of drilled     Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals     Damaged Beams must not be used     Design assumes top edge is laterally restrained     Design assumes top edge is laterally restrained	ponding This design is valid until 11/3/2024	Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	Fayetteville, NC USA 28314 910-864-TRUS



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	Client: Southern Touc	h Homes Date:	9/19/2023	Page 4 of 4
	Project:	Input b		-
isDesign	Address:	Job Na	me: The Lauren III Beams	
· · · · ·		Project	: #:	
BM1 Kerto-S	IVI 1 750" X 9 25	0" 2-Ply - PASSED	Level: Level	
Divit Reito-3	LVL 1.750 X 9.25	0 2-FIY - FASSED		
• •	• •	• •	• =	
			12	
				<u> </u>   <u> </u>     9 1/
•	• •	• •	• + +	
1 SPF			2 SPF	
1	6'7"		1	3 1/2"
/	6'7"		ł	
			·	
ļ				
Multi-Ply Analysis				
Fasten all plies using 2 ro	ows of 10d Box nails (.128x3") at	12" o.c Maximum end distance	not to exceed 6".	
Capacity	0.0 %			
Load	0.0 PLF			
Yield Limit per Foot	163.7 PLF			
Yield Limit per Fastener	81.9 lb.			
Yield Mode Edge Distance	IV 1 1/2"			
Min. End Distance	3"			
Load Combination				
Duration Factor	1.00			
Notes Calculated Structured Designs is responsible of structural adequacy of this component base design criteria and loadings shown. If responsibility of the customer and/or the cor ensure the component suitability of the application, and to verify the dimensions and lo Lumber	ad on the       1. LVL beams must not be cut or drilled         t is the       2. Refer to manufacturer's product inform regarding installation requirements, mult fastening details, beam strength values, and approvals         ads.       3. Damaged Beams must not be used	li-ply	t Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS
<ol> <li>Dry service conditions, unless noted otherw</li> <li>LVL not to be treated with fire retardant or</li> </ol>	4. Design assumes top edge is laterally restrained vise 5. Provide lateral support at bearing points to			соттесн
	internal displacement and folation	This design is valid until 11/3/2024		