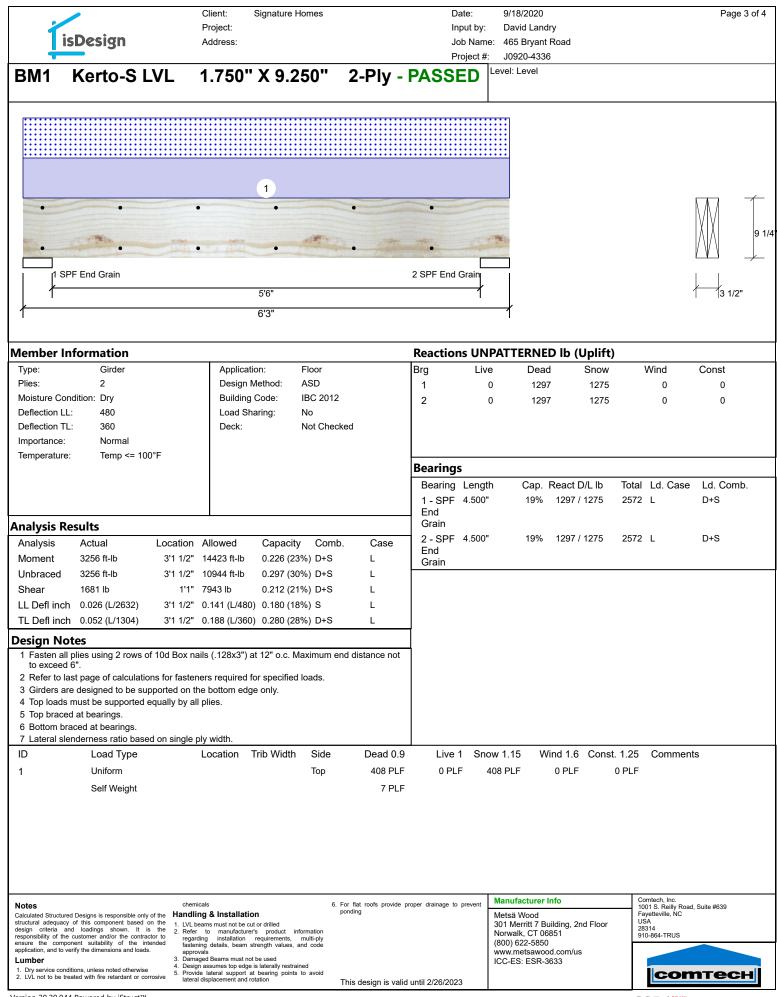


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	Client: Signature Homes	Date:	9/18/2020	Page 2 of 4
	Project:	Input b	y: David Landry	
isDesign	Address:	Job Na		
		Project	t #: J0920-4336	
GDH-SL Kerto-	S LVL 1.750" X 18.000	" 3-Ply - PASSED	Level: Level	
		••• ,		
• • •	• • • •	• • • • • •	• • • •	_ _
				· [7] 1'6"
• • •	• • • • •	• • • • •	• • • •	
1 SPF End Grain			2 SPF End G	rain A
		16'3"		1 1 15 1/4"
1		17'3"		{
Multi-Ply Analysis				
Fasten all plies using 3 ro	ws of 10d Box nails (.128x3") at 12"	o.c Nail from both sides. M	aximum end distance not to	exceed
6"				
Capacity	0.0 %			
Load	0.0 PLF			
Yield Limit per Foot Yield Limit per Fastener	245.6 PLF 81.9 lb.			
Yield Mode	IV			
Edge Distance	1 1/2"			
Min. End Distance	3"			
Load Combination				
Duration Factor	1.00			
				1
Notes	chemicals	6. For flat roofs provide proper drainage to prever		Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is responsible or structural adequacy of this component based	on the 1 IVI beams must not be cut or drilled	ponding	Metsä Wood 301 Merritt 7 Building, 2nd Floor	Fayetteville, NC USA
design criteria and loadings shown. It responsibility of the customer and/or the cont	is the 2. Refer to manufacturer's product information ractor to regarding installation requirements multi-ply		Norwalk, CT 06851	28314 910-864-TRUS
ensure the component suitability of the application, and to verify the dimensions and loa	intended fastening details beam strength values and code		(800) 622-5850 www.metsawood.com/us	
Lumber	Damaged Beams must not be used Design assumes top edge is laterally restrained		ICC-ES: ESR-3633	
 Dry service conditions, unless noted otherwis LVL not to be treated with fire retardant or of 	5 Provide lateral support at bearing points to avoid	This design is valid until 2/26/2023		соттесн



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BM1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED www.Lww Image: Strate at place draw Multi-Ply Analysis Fasten at place draw Image: Strate at place draw Image: Strate at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Image: Strate at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Image: Strate at place draw Image: Strate at place draw Fasten at place draw Image: Strate at place draw Image: Strate at place draw	isDesign	Client: Signature Homes Project:	Date: Input by:	9/18/2020 David Landry	Page 4 of 4
Dimit Ref to-S LVL 1.730 X 5.230 2-Frig-FRASSED Image: State of the form of t	Ispesign	Address:			
Image: September 2 sept	BM1 Kerto-S LVL	1.750" X 9.250"	2-Ply - PASSED	Level: Level	
Number 2 SPF End Grain 2 SPF End Grain Umage: SPF End Grain <td></td> <td></td> <td></td> <td></td> <td></td>					
Image: Set of the subset of					
Image: SPF End Grain 2 SPF End Grain Image: SPF End Grain Imag		•••	· ·	<11/2"	9 1/
Multi-Ply Analysis Fasten all plies using 2 rows of 10d Box nalls (128x3") at 12" o.c Maximum end distance not to exceed 6" Capacity 0.0 % Minited perform 103 7 PLF Yield Linger Fasher 119 a.p. Weid Linger Fasher 119 a.p. Weid Linger Fasher 1 a.g. Minited Defance 3" Land Combination 1.00 Diration Factor 1.00			2 SPF End Grain		
Rate all plies using 2 rows of 10d Box nails (128x3") at 12" o.c. Maximum end distance not to exceed 6" Capacity 0.0% Valid Limit per Food 163 7 FLF Valid Limit per Food 112" Min. End Diamono 3" Duration Factor 100			I		3 1/2"
Capacity 00% Load 00PLF Wield Limit per Foot 163.7 PLF Wield Limit per Faster 81.9 lb. Wield Limit per Faster 81.9 lb. Diration Faster 11/2 Diration Faster 11/2 Limit Research 11/2 Notes the manufacture function 11/2 Limit Research 11/2		10-1 Day and 1 (1 20, 21) at 121			
Model Limit por Foot 163.7 PLF Wild Limit por Fastenor 81.9 lb. Wild Mode N Edge Distance 1127 Min. End Distance 3* Land Combination 100	Capacity 0.0 %	%	o.c Maximum end distance h	ot to exceed 6	
Yield Mode IV Edge Distance 3* Land Combination Burlation Factor Duration Factor 1.00					
Edge Distance 1 1/2" Min. End Distance 3" Load Combination 3" Duration Factor 1.00	Yield Limit per Fastener 81.9	lb.			
Load Combination Duration Factor 1.00		<u>-</u>			
Duration Factor 1.00 Notes Centrals Calculation Express Centrals Automatic Structure Codego as reported composition for screen terms Manufacturer Info Calculation Express Centrals Contrals Centrals Contrals Centrals	Min. End Distance 3"				
Notes chemicals e. For far rooks provide proper dramage to prevent public programment of the provide proper dramage to prevent public					
Notes chemicals 6. For flat roots provide proper drainage to provid Metademical 1001 S. Reilly Road, Suite #639 Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads. Notes Metsä Wood 301 Merritt 7 Building, 2nd Floor USA 2. by not to be tracted with fire relarding to the tracted with fire relarding to the tracted with fire relarding to component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the contractor to ensure the component suitability of the cultomer and/or the participation and to verify the dimensions and loads. 3. Damaged Beams must not be used 4. Design assumes to pedge is laterally restrained 0. Wign estimated 0. Wign estimated 3. UV, not the first end with first erelaring and component subscitutions and loads 5. Provide lateral support at bearing points to avoid 0. Wign estimated 0. CE-ES: ESR-3633					
design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads. 2. Refer to manufacture's product information requirements, multi-ply fastening details, beam strength values, and code approvals 3. Or Interfinity, 2011 root requirements, multi-ply fastening details, beam strength values, and code approvals 28314 201-864-TRUS Lumber 3. Damaged Beams must not be used 4. Design assumes to preduce takening points to avoid Www.metsawood.com/us IIC-ES: ESR-3633 1. Component 201-00000000000000000000000000000000000	Calculated Structured Designs is responsible only of the H	andling & Installation	 For flat roofs provide proper drainage to prevent ponding 	Metsä Wood	 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA
Lumber 3. Damaged Beams must not be used ICC-ES: ESR-3633 1. Dry service conditions, unless noted otherwise 4. Design assumes top edge is laterally restrained ICC-ES: ESR-3633 2. LVI, not to be treated with fire relarend or correspice 5. Provide lateral support at bearing points to avoid ICC-ES: ESR-3633	design criteria and loadings shown. It is the 2 responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.	 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals 		Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	28314
	1. Dry service conditions, unless noted otherwise 4	. Design assumes top edge is laterally restrained . Provide lateral support at bearing points to avoid	This design is valid until 2/26/2023		соттесн

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