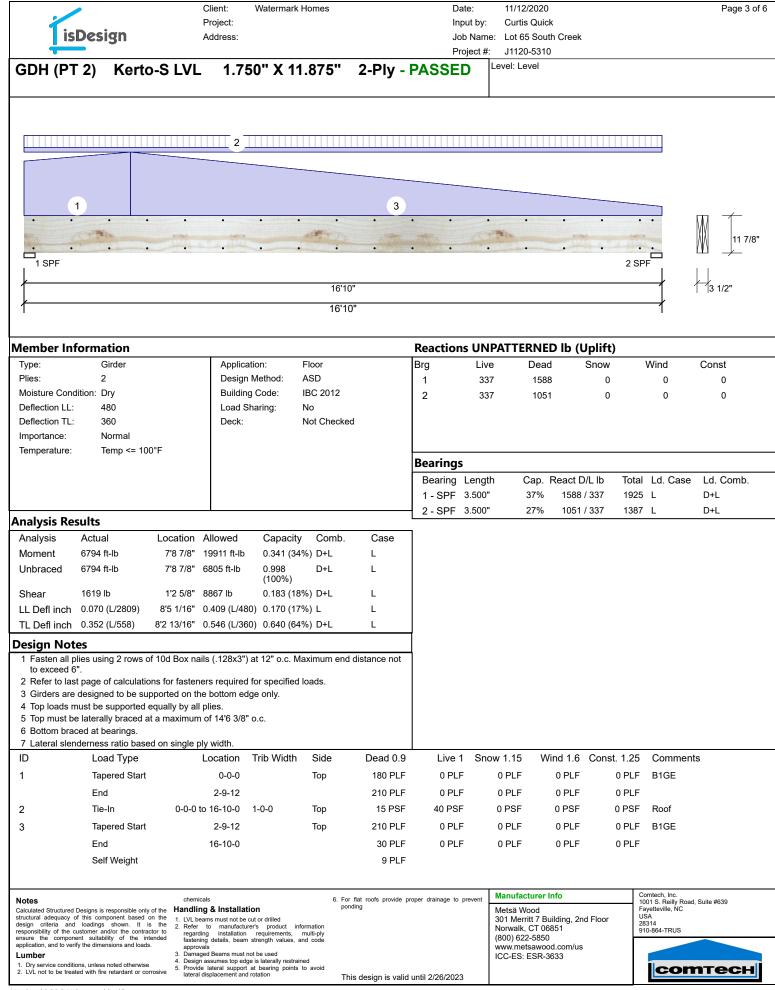
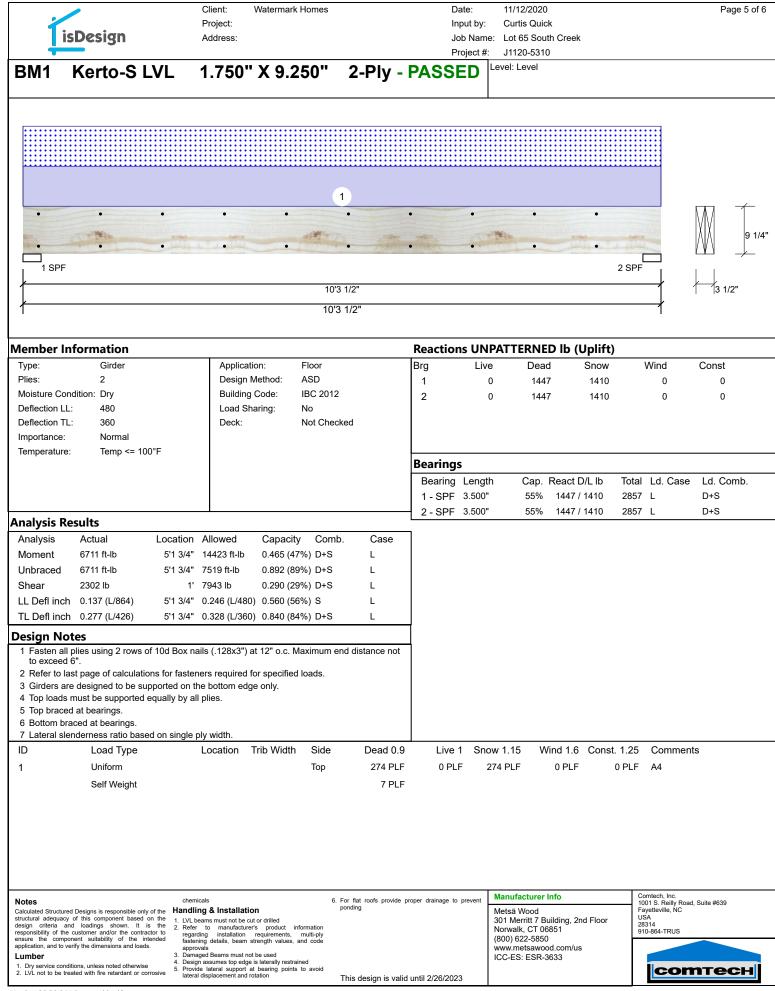
isDes	ign	Client: Watermark H Project: Address:	łomes			Quick South Creek		Page 1 of t
GDH (PT 1)	Kerto-S LVI	_ 1.750" X 11	.875" 2-Ply	/ - PASSED	Level: Lev	vel		
•	2	•	1					M T.
1 SPF		•	10' 10'			2 SPF	,  	11 1 11 1 1 11 1 1 1 11 1 1 11 1 1 1 11 1 1 11 1 11 1
	- <b>1</b>			Desetiese				
Plies:     2       Moisture Condition:     1       Deflection LL:     2       Deflection TL:     3       Importance:     1	Girder 2 Dry 480 360 Normal	Design Method: Building Code: Load Sharing:	Floor ASD BC 2012 No Not Checked	Brg 1 2		RNED Ib (Uplift)           Dead         Snow           1341         0           1602         0	Wind 0 0	Const 0 0
	Temp <= 100°F			Bearing Lo Bearing Lo 1 - SPF 3. 2 - SPF 3.	500" 6	ap. React D/L lb 34% 1341 / 2000 39% 1602 / 2000	Total Ld. Case 3341 L 3602 L	Ld. Comb. D+L D+L
to exceed 6". 2 Refer to last page 3 Girders are design	ft-lb     5'1"       ft-lb     5'1"       lb     8'9 3/8"       0 (L/1287)     5'       4 (L/741)     5' 5/16"       ing 2 rows of 10d Box nations for faster       of calculations for faster       aud to be supported on t       a supported equally by al       rings.	19911 ft-lb         0.397 (40°)           9628 ft-lb         0.821 (82°)           8867 lb         0.302 (30°)           0.239 (L/480)         0.370 (37°)           0.318 (L/360)         0.490 (49°)           ails (.128x3") at 12" o.c. Manners required for specified la he bottom edge only.	6) D+L L 6) D+L L 6) D+L L 6) L L 6) D+L L ximum end distance r					
7 Lateral slendernes       ID     Lo       1     Tie	ss ratio based on single lad Type e-In 0-0- pered Start	ply width. Location Trib Width 0 to 10-0-0 10-0-0 0-0-0 10-0-0	Side Dead Top 15 F Top 60 F 210 F	PSF 40 PSF PLF 0 PLF	Snow 1.15 0 PSF 0 PLF 0 PLF	0 PLF	. 1.25 Commer 0 PSF Roof 0 PLF B1GE 0 PLF	ts
Se	If Weight	nicals	9 F	PLF	Manufact	urer Info	Comtech, Inc. 1001 S. Reilly Roa Fayetteville, NC	1, Suite #639
Structural adequacy of this co- design criteria and loading- responsibility of the customer a ensure the component suital application, and to verify the dim <b>Lumber</b> 1. Dry service conditions, unles 2. LVL not to be treated with fir	mponent based on the s shown. It is the and/or the contractor to bility of the intended ensions and loads. s noted otherwise 5. Provi	beams must not be cut or drilled r to manufacturer's product info rding installation requirements, r ning details, beam strength values, ar	nulti-ply d code ed o avoid	valid until 2/26/2023	301 Merri Norwalk, (800) 622	tt 7 Building, 2nd Floor CT 06851 -5850 sawood.com/us	USA 28314 910-864-TRUS	птесн

	Client: Watermark Homes	Date:	11/12/2020	Page 2 of 6
	Project:	Input by:		Ū.
isDesign	Address:		ne: Lot 65 South Creek	
		Project #		
			Level: Level	
GDH (PT 1) Kerto-S L	VL 1.750" X 11.87	5 Z-PIY - PASSED	201011 20101	
			1	
• • •	• •	• • •	• • •	
				" 71   11 7/8"
				$\overline{\mathbf{v}}$
		• • •		
1 SPF			2 SPF	
	10	j.		3 1/2"
1	10	)'	,	
Multi-Ply Analysis				
Fasten all plies using 2 rows of 10	)d Boy nails ( 128x3") at 12"	o.c. Maximum end distance r	not to exceed 6"	
Capacity 0.0 %		o.c Maximum end distance i		
Load 0.0 PL				
Yield Limit per Foot 163.7				
Yield Limit per Fastener 81.9 lb				
Yield Mode IV				
Edge Distance 1 1/2"				
Min. End Distance 3"				
Load Combination				
Duration Factor 1.00				
			Manufacturer Info	Comtech, Inc.
	chemicals Indling & Installation	<ol><li>For flat roofs provide proper drainage to prevent ponding</li></ol>	Metsä Wood	Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC
structural adequacy of this component based on the 1. I	LVL beams must not be cut or drilled		301 Merritt 7 Building, 2nd Floor	USA 28314
responsibility of the customer and/or the contractor to	Refer to manufacturer's product information regarding installation requirements, multi-ply		Norwalk, CT 06851 (800) 622-5850	910-864-TRUS
application, and to verify the dimensions and loads.	fastening details, beam strength values, and code approvals		www.metsawood.com/us	
4. [	Damaged Beams must not be used Design assumes top edge is laterally restrained		ICC-ES: ESR-3633	
	Provide lateral support at bearing points to avoid lateral displacement and rotation	This design is valid until 2/26/2023		соттесн
L		-		

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		Client: V	/atermark Homes	3	Date:	11/12/2020	Page 4 of 6
isDes	ian	Project: Address:			Input I	by: Curtis Quick ame: Lot 65 South Creek	
	1311	Address.			Projec		
GDH (PT 2)	Kerto-S L\	/L 1.750	" X 11.87	5" 2-Ply	- PASSED	Level: Level	
	· · ·	•		• •	<u> </u>	· · · ·	····· Š m +
			-				····
1 SPF	• • •	•	•	• •	• •	• • •	
				16'10"			3 1/2"
				16'10"			3 1/2
				10 10			I
Multi-Ply Analys	is						
Fasten all plies usi	ing 2 rows of 10	d Box nails (.1	28x3") at 12"	' o.c Maximu	m end distance	e not to exceed 6"	
Capacity Load	0.0 % 0.0 PL	F					
Yield Limit per Foot	163.7 I	PLF					
Yield Limit per Fastener Yield Mode	- 81.9 lb IV						
Edge Distance	1 1/2"						
Min. End Distance	3"						
Load Combination	1.00						
Duration Factor	1.00						
Notes		hemicals		<ol> <li>For flat roofs provid ponding</li> </ol>	de proper drainage to preve		Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is structural adequacy of this corr design criteria and loadings	nponent based on the 1. L	Adling & Installation VL beams must not be cut of Refer to manufacturer's	r drilled	Ponding		Metsä Wood 301 Merritt 7 Building, 2nd Flo	20314
responsibility of the customer an ensure the component suitab application, and to verify the dime	nd/or the contractor to re pility of the intended fa	egarding installation re astening details, beam stre	quirements, multi-ply			Norwalk, CT 06851 (800) 622-5850	910-864-TRUS
Lumber 1. Dry service conditions, unless	3. D 4. D	pprovals bamaged Beams must not b besign assumes top edge is	laterally restrained			www.metsawood.com/us ICC-ES: ESR-3633	
<ol> <li>Dry service conditions, unless</li> <li>LVL not to be treated with fire</li> </ol>	5. P	rovide lateral support at lateral displacement and rota	earing points to avoid	This design is v	alid until 2/26/2023		сотесн



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			termark Homes		Date:	11/12/2020	Page 6 of 6
isDesign		Project:			Input by:	Curtis Quick ne: Lot 65 South Creek	
Ispesign	4	Address:			Job Narr Project #		
BM1 Kerto-S		750" X	0 250"	2_Dlv	PASSED	Level: Level	
DIVIT Reito-3			9.230	<b>2-</b> Fiy	FASSLD		
• •	•	•	•	•	• •	•	• • •
• •	•	•	•	•	• •	•	•
1 SPF							
ļ			10	'3 1/2"			3 1/2"
y							
			10	'3 1/2"			1
Multi-Ply Analysis							
Fasten all plies using 2 ro		ox nails (.12	8x3") at 12" o	o.c Maximur	m end distance r	ot to exceed 6"	
Capacity Load	0.0 % 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						
	1.00						
						Manufacturer Info	Comtech, Inc.
Notes Calculated Structured Designs is responsible	chemical only of the Handling	s A Installation	6	<ol> <li>For flat roofs provide ponding</li> </ol>	e proper drainage to prevent	Metsä Wood	1001 S. Reilly Road, Suite #639 Fayetteville, NC
structural adequacy of this component base design criteria and loadings shown. It	d on the 1. LVL beam is the 2. Refer t	ns must not be cut or d to manufacturer's p	product information			301 Merritt 7 Building, 2nd Norwalk, CT 06851	d Floor USA 28314
responsibility of the customer and/or the con ensure the component suitability of the application, and to verify the dimensions and lo	intended fastening	g installation requi details, beam streng	irements, multi-ply			(800) 622-5850	910-864-TRUS
Lumber	3. Damageo 4. Design a	d Beams must not be u ssumes top edge is late	erally restrained			www.metsawood.com/us ICC-ES: ESR-3633	
<ol> <li>Dry service conditions, unless noted otherwide</li> <li>LVL not to be treated with fire retardant or</li> </ol>	, 5. Provide	lateral support at bea splacement and rotation	aring points to avoid	This design is va	lid until 2/26/2023		соттесн
Version 20.20.044 Powered by iStruct	TM			J Va		1	