is	Design		oject: dress:			-	-	thony Willian 1 Mabry Rid				
		, 10						325-1347	-90			
IDR-1	Kerto-S I	_VL 1	.750" X 9	).250" 2	2-Ply - l	PASSE	Level:	Level				
	2											
	-		1								N M	1 1
							-					
S	Contraction of the second			at the part	. am	-	-				$\mathbb{N}$	9
	nd Grain 0-3-0				2 SPE	End Grain 0-3-0						
			5'6"		2011						/	3 1/2"
<u> </u>			6'									
lember Inf	formation					Reactions	UNPATT		b (Uplift)			
Type: Plies:	Girder 2		Application: Design Method:	Floor ASD		Brg Direc 1 Vertica		Live 0	Dead 1576	Snow 1464	Wind 0	Con
Moisture Cond			Building Code:	IBC/IRC 201	5	2 Vertica		0	1576	1464	0	
Deflection LL:	480		Load Sharing:	No								
Deflection TL:			Deck:	Not Checked	ł							
mportance:	Normal - II	-										
Temperature:	Temp <= 100°	F				Bearings						
							an ath Di		Decet D/L lb	Total		
						Bearing L	U U	•	React D/L lb 1576 / 1464		Ld. Case	Ld. Coml D+S
						End	0.000 Ve	ft 3470	13707 1404	5040	L	D+3
nalysis Re	sults					Grain						
Analysis	Actual	Location All	owed Capa	city Comb.	Case	2-SPF 3	8.000" Ve	ert 34%	1576 / 1464	3040	L	D+S
Moment	4007 ft-lb	3' 144	423 ft-lb 0.278	(28%) D+S	L	End Grain						
Unbraced	4007 ft-lb	3' 109	944 ft-lb 0.366	(37%) D+S	L	-						
Shear	2011 lb	1' 1/4" 794	43 lb 0.253	(25%) D+S	L							
LL Defl inch	0.031 (L/2200)	3' 0.1	41 (L/480) 0.218	(22%) S	L							
TL Defl inch	0.064 (L/1060)	3' 0.1	88 (L/360) 0.340	(34%) D+S	L							
esign Not						1						
	port to prevent laterate required at the inter				teral support							
	lies using 2 rows of 2	• •			distance not							
to exceed 6	". t page of calculations	for footonoro	required for aposi	fied loads								
	designed to be supp			neu loads.								
	nust be supported eq		es.									
	e laterally braced at e at be laterally braced	-	16									
	derness ratio based											
D	Load Type		cation Trib Wi	dth Side	Dead 0.9	Live 1	Snow 1.1	5 Wind	1.6 Const. 7	1.25 Com	ments	
1	Uniform			Тор	488 PLF	0 PLF	488 PL	F 0	PLF 0	PLF B2 T	RUSS	
2	Uniform			Тор	30 PLF	0 PLF	0 PL	F 0	PLF 0	PLF WAL	L	
	Self Weight				7 PLF							
	Ū.											
otes		chemicals		6. For	flat roofs provide n	proper drainage to pro	event Manu	facturer Info				
alculated Structured ructural adequacy of	Designs is responsible only of of this component based on	the Handling &		pon		. 0 Pr.	Metsä	Wood Ierritt 7 Buildir	a 2nd Elect			
esign criteria and esponsibility of the c	loadings shown. It is ustomer and/or the contractor	the 2. Refer to	must not be cut or drilled manufacturer's product installation requirement				Norwa	lerritt 7 Buildir alk, CT 06851	iy, 2110 F100f			
nsure the compone	ent suitability of the inten- fy the dimensions and loads.		etails, beam strength val	ues, and code				622-5850 netsawood.co	m/us			
pplication, and to veri										1		
oplication, and to veri umber	ons, unless noted otherwise	<ol> <li>Damaged B</li> <li>Design assu</li> </ol>	eams must not be used umes top edge is laterally r eral support at bearing p	estrained								

	is	Design	Client: Project: Address:	Signature Homes	Date: Input by Job Na	me: Lot 1 Mabry Ridge	Page 2 of 10
	HDR-1	Kerto-S LV	′L 1.750	" X 9.250"	Project 2-Ply - PASSED	#: J0325-1347 Level: Level	
	•	•	•	•	• • •	<11/2"	9 1/4
		• End Grain 0-3-0	•	•	• • • • • • • • • • • • • • • • • • •		
				5'6" 6'	1	7	<b>1</b> 3 1/2"
	apacity bad eld Limit per F eld Limit per F w eld Mode dge Distance in. End Distanc bad Combinatio uration Factor	es using 2 rows of 0.0 0.0 000 16 astener 81 1 1 1 1 1 2 2 2 3 "	) % ) PLF 3.7 PLF .9 lb. //2"		.c Maximum end distance		
( 5	structural adequacy of design criteria and	Designs is responsible only of the of this component based on the loadings shown. It is the	Handling & Installati 1. LVL beams must not be of 2. Refer to manufacture	<b>on</b> ut or drilled er's product information	For flat roofs provide proper drainage to preven ponding	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851	_
e a	ensure the compon application, and to ver Lumber 1. Dry service conditi	sustomer and/or the contractor to ent suitability of the intended ify the dimensions and loads.	regarding installation	requirements, multi-ply strength values, and code of be used e is laterally restrained at bearing points to avoid		(800) 622-5850 www.metsawood.com/us	
			iateral displacement and	IotadUII	This design is valid until 6/28/2026		

		Client Projec	•				ate: put by:	3/11/20 Anthon	z 3 y William	s			Page 3 of
is	Design	Addre	SS:				b Name			ge			
							oject #:	J0325-					
HDR-2	Kerto-S L	VL 1.7	′50'' X 9	.250" 2	2-PIy - I	PASSE	D	Level. Leve	51				
	2												
			1										
	-	•	•		•	•	•					NΛ	1
												IXI.	9
•			-	ALT I PA	•		-					/ V	
	nd Grain 0-3-0				2 SPF	End Grain 0-3	3-0					1	
			5'6"									/	3 1/2"
· · · · · ·			6'					,					
1			Ū				I						
lember Inf	formation					Reaction	s UNI	PATTER	NED I	o (Uplift)			
Туре:	Girder	A	pplication:	Floor			ection	Liv		Dead	Snow	Wind	Con
Plies:	2		esign Method:	ASD	_	1 Vert	ical		0	1498	1386	0	
Moisture Conc Deflection LL:	480		uilding Code: bad Sharing:	IBC/IRC 201 No	5	2 Vert	ical		0	1498	1386	0	
Deflection TL:			eck:	Not Checked	l								
Importance:	Normal - II												
Temperature:	Temp <= 100°F												
						Bearings							
						Bearing	Length	n Dir.	Cap.	React D/L lb	o Tota	al Ld. Case	Ld. Comb
						1 - SPF	3.000"	Vert	33%	1498 / 1386	288	4 L	D+S
nalysis Re	sults	I				End Grain							
Analysis		ocation Allow	ed Capad	city Comb.	Case	2 - SPF	3.000"	Vert	33%	1498 / 1386	288	4 L	D+S
Moment	3802 ft-lb	3' 14423	ft-lb 0.264	(26%) D+S	L	End Grain							
Unbraced	3802 ft-lb	3' 10944	ft-lb 0.347	(35%) D+S	L	-							
Shear	1908 lb	1' 1/4" 7943	b 0.240	(24%) D+S	L								
LL Defl inch	0.029 (L/2324)	3' 0.141	(L/480) 0.207	(21%) S	L								
TL Defl inch	0.060 (L/1117)	3' 0.188	(L/360) 0.322	(32%) D+S	L	4							
esign Not						1							
	port to prevent lateral i e required at the interio				eral support								
2 Fasten all p	lies using 2 rows of 10		-		distance not								
to exceed 6 3 Refer to las	". It page of calculations f	or fasteners rec	uired for specifi	ed loads									
	designed to be suppor												
	nust be supported equa e laterally braced at en												
	st be laterally braced at en	-											
	iderness ratio based or	n single ply widt											
ID	Load Type	Locat	ion Trib Wid		Dead 0.9	Live ?		w 1.15		1.6 Const.		omments	
1	Uniform			Тор	462 PLF	0 PLF		62 PLF	0 F			2 TRUSS	
2	Uniform			Тор	30 PLF	0 PLF	=	0 PLF	0 F	LF 0	PLF W	/ALL	
	Self Weight				7 PLF								
lotes		chemicals		6. For	flat roofs provide p	roper drainage to	prevent	Manufactu	irer Info				
alculated Structured	Designs is responsible only of the of this component based on the	Handling & Ins		pond	ling	,		Metsä Woo		a 2nd Elast			
lesign criteria and esponsibility of the c	loadings shown. It is the sustomer and/or the contractor to	2. Refer to ma regarding inst	nufacturer's product allation requirements	s, multi-ply				Norwalk, C	T 06851	g, 2nd Floor			
ensure the compon application, and to veri	ent suitability of the intended ify the dimensions and loads.	fastening details approvals	, beam strength value	es, and code				(800) 622-8 www.metsa		n/us			
umber	ons, unless noted otherwise	5 Provide lateral	s must not be used top edge is laterally res support at bearing po	strained ints to avoid									
	ted with fire retardant or corrosive		ent and rotation			until 6/28/2020							

isDesign	Client: Signature Homes Project:	Date: Input by:		Page 4 of 10
	Address:	Job Nam Project #		
HDR-2 Kerto-S LVL	1.750" X 9.250"	2-Ply - PASSED		
•••	• •	• • •	<11/2"	
• •	• •	• • • -	T T	
1 SPF End Grain 0-3-0	5'6"	2 SPF End Grain 0-3-0		3 1/2"
	6'		ł	3 1/2
Multi-Ply Analysis				
Fasten all plies using 2 rows of 10d	Box nails (.128x3") at 12"	o.c Maximum end distance n	ot to exceed 6".	
Capacity         0.0 %           Load         0.0 PLF           Yield Limit per Foot         163.7 Pl				
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	
Calculated Structured Designs is responsible only of the Hand	emicals Iling & Installation . beams must not be cut or drilled	<ol><li>For flat roofs provide proper drainage to prevent ponding</li></ol>	Metsä Wood 301 Merritt 7 Building, 2nd Floor	1
design criteria and loadings shown. It is the 2. Ref responsibility of the customer and/or the contractor to ensure the component suitability of the intended	. beams must not be cut or drilled fer to manufacturer's product information arding installation requirements, multi-ply tening details, beam strength values, and code		Norwalk, CT 06851 (800) 622-5850	
application, and to verify the dimensions and loads. app Lumber 3. Dat	rovals maged Beams must not be used sign assumes top edge is laterally restrained		www.metsawood.com/us	
Dry service conditions, unless noted otherwise     5. Pro	vide lateral support at bearing points to avoid ral displacement and rotation	This design is valid until 6/28/2026		

lie	Design	Client: Signature Home: Project: Address:		Date: Input by: Job Nam	3/11/2025 Anthony William e: Lot 1 Mabry Rid			Page 5 of <sup>2</sup>
		Address.		Project #		96		
IDR-3	Kerto-S LVL	1.750" X 9.250	" 2-Ply -	PASSED	Level: Level			
	2							
					-			
		1						
	•	•	•				N A	7 1
			ter p				$ \rangle$	9
	End Grain 0-3-0		2 SPF	End Grain 0-3-0	]			
<u> </u>		5'6"					<u>}</u>	3 1/2"
<u>/</u>		6'			ł			
				<b>D</b> (1) (1)		(1) 11(1)		
lember In Type:	formation Girder	Application: Floor	r	Brg Direction	PATTERNED Ik		now Wind	Con
Plies:	2	Design Method: ASD		1 Vertical	0		1932 0	
Moisture Cond	•	e e	IRC 2015	2 Vertical	0	2044	1932 0	
Deflection LL: Deflection TL:	480 360	Load Sharing: No Deck: Not (	Checked					
mportance:	Normal - II	Deck. Not	Checked					
Temperature:	Temp <= 100°F							
iomporataro.				Bearings				
				Bearing Lengt	h Dir. Cap.	React D/L lb	Total Ld. Case	Ld. Com
				1 - SPF 3.000"	•	2044 / 1932	3976 L	D+S
				End	VCIT 4070	20447 1302	5576 E	0.0
nalysis Re	sults			Grain				
Analysis	Actual Locati	on Allowed Capacity C	Comb. Case	2 - SPF 3.000"	Vert 45%	2044 / 1932	3976 L	D+S
Moment	5241 ft-lb	3' 14423 ft-lb 0.363 (36%) D	)+S L	End Grain				
Unbraced	5241 ft-lb	3' 10944 ft-lb 0.479 (48%) D	)+S L					
Shear	2628 lb 1' 1	/4" 7943 lb 0.331 (33%) D	)+S L					
LL Defl inch	0.040 (L/1667)	3' 0.141 (L/480) 0.288 (29%) S	6 L					
TL Defl inch	0.083 (L/810)	3' 0.188 (L/360) 0.444 (44%) D	)+S L					
esign Not	es			7				
1 Provide sup	oport to prevent lateral move	ement and rotation at the end bear	ings. Lateral support	1				
	e required at the interior bea	arings by the building code. x nails (.128x3") at 12" o.c. Maxim	um and distance not					
to exceed 6								
		steners required for specified loads	8.					
	designed to be supported on nust be supported equally b							
	e laterally braced at end bea							
7 Bottom mus	st be laterally braced at end	bearings.						
	nderness ratio based on sino							
ID	Load Type		de Dead 0.9			1.6 Const. 1.28		
1	Uniform	То	p 644 PLF	0 PLF	644 PLF 0 P	LF 0 PLF	A2 TRUSS	
2	Uniform	То	p 30 PLF	0 PLF	0 PLF 0 P	LF 0 PLF	= WALL	
	Self Weight		7 PLF	:				
otes		chemicals		proper drainage to prevent	Manufacturer Info			
tructural adequacy of	Designs is responsible only of the final data on the final data on the final data on the final data of	ndling & Installation LVL beams must not be cut or drilled	ponding		Metsä Wood 301 Merritt 7 Building	a, 2nd Floor		
esign criteria and esponsibility of the c	loadings shown. It is the 2 customer and/or the contractor to	Refer to manufacturer's product informatio regarding installation requirements, multi-pl	ly		Norwalk, CT 06851	,		
application, and to ver	ify the dimensions and loads.	fastening details, beam strength values, and cod approvals	e		(800) 622-5850 www.metsawood.cor	n/us		
	3.	Damaged Beams must not be used						
. Dry service conditi	ons, unless noted otherwise 5.	Design assumes top edge is laterally restrained Provide lateral support at bearing points to avoi	id					

1	Client: Signature Homes Project:	Date: Input by:	-	Page 6 of 10
isDesign	Address:	Job Nam Project #		
HDR-3 Kerto-S LVL	1.750" X 9.250"	2-Ply - PASSED	Level: Level	
• •	• •	• • •	<1 1/2"	9 1/4
• 1 SPF End Grain 0-3-0	• •	•	<u>}</u> 	
	5'6" 6'	1		1 13 1/2"
Multi-Ply Analysis         Fasten all plies using 2 rows of 10         Capacity       0.0 %         Load       0.0 PL         Yield Limit per Foot       163.7         Yield Limit per Fastener       81.9 II         CM       1         Yield Mode       IV         Edge Distance       1 1/2"         Min. End Distance       3"         Load Combination       Duration Factor	_F PLF b.	o.c Maximum end distance n	ot to exceed 6".	
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design oriteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended	chemicals ndling & Installation LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code	<ol> <li>For flat roofs provide proper drainage to prevent ponding</li> </ol>	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850	-
application, and to verify the dimensions and loads.           Lumber         3.           1. Dry service conditions, unless noted otherwise         4.           0. UPU service solutions, unless noted otherwise         5.	automing botting of the solution of the soluti	This design is valid until 6/28/2026	www.metsawood.com/us	

is	Design	Client: Signature Project: Address:	Homes	Date: Input by: Job Nam Project #	e: Lot 1 Mabry Ridg			Page 7 of 1
GDH-18	Kerto-S LVI	_ 1.750" X 14	.000" 2-Ply	- PASSED	Level: Level			
		2						
• •	·····	· · · · · · · · · · · · · · · · · · ·	1	• • • • •		• •	· · · · · · · · · · · · · · · · · · ·	
100-3	Contraction of the second		atten of	the a	1 the		× W	1'2"
1 SPF End	1 Grain 0-3-8				23	SPF End Grain 0-	-3-8	<u> </u>
			18'3"					1/2"
								1/2
I			18'10"				I	
	6			Des stiens LIN		(11-1:64)		
Vember In Type:	Girder	Application:	Floor	Brg Direction	Live	-	now Wind	Con
Plies:	2	Design Method:	ASD	1 Vertical	377	2504	377 0	
Moisture Cond	lition: Dry	Building Code:	IBC/IRC 2015	2 Vertical	377	2504	377 0	
Deflection LL:	480	Load Sharing:	No					
Deflection TL:		Deck:	Not Checked					
Importance:	Normal - II							
Temperature:	Temp <= 100°F			Pooringe				
				Bearings			<u></u>	
				Bearing Lengt		React D/L lb	Total Ld. Case	Ld. Com
				1 - SPF 3.500" End	' Vert 30%	2504 / 565	3069 L	D+0.75(L·
Analysis Re	sults	·		Grain				
Analysis		tion Allowed Capaci	ty Comb. Case	2 - SPF 3.500"	' Vert 30%	2504 / 565	3069 L	D+0.75(L
Moment			8%) D+L L	End Grain				
Unbraced	13754 ft-lb	9'5" 13784 ft-lb 0.998	D+0.75(L+S) L	Grain				
		(100%)						
Shear			23%) D+L L					
		/16" 0.459 (L/480) 0.222 (2						
TL Defl inch	0.555 (L/398) 9'5 1	/16" 0.612 (L/360) 0.905 (§	1%) D+0.75(L+S) L					
Design Not								
		vement and rotation at the en earings by the building code.	d bearings. Lateral suppo	rt				
		ox nails (.128x3") at 12" o.c.	Maximum end distance no	ot				
to exceed 6								
	t page of calculations for fa designed to be supported	asteners required for specifie	d loads.					
	nust be supported equally							
	e laterally braced at a max							
	st be laterally braced at en-	•						
ID	derness ratio based on sir Load Type	Location Trib Width	n Side Dead 0	 0.9 Live 1 Sno	ow 1.15 Wind 1	.6 Const. 1.25	5 Comments	
1	Uniform		Top 55 Pl		40 PLF 0 P			
2	Uniform		Top 200 Pl		0 PLF 0 P		- WALL	
<u> </u>	Self Weight		11 Pi			L. VFLF	V V/ LL	
	Sen Weight			LI				
Notes		chemicals	6. For flat roofs provid	de proper drainage to prevent	Manufacturer Info			
structural adequacy of	of this component based on the 1.	andling & Installation LVL beams must not be cut or drilled	ponding		Metsä Wood 301 Merritt 7 Building	, 2nd Floor		
design criteria and responsibility of the c	loadings shown. It is the 2 sustomer and/or the contractor to	Refer to manufacturer's product regarding installation requirements,	multi-ply		Norwalk, CT 06851	,		
application, and to ver	ent suitability of the intended ify the dimensions and loads.	fastening details, beam strength values approvals	and code		(800) 622-5850 www.metsawood.com	n/us		
Lumber 1. Dry service conditi	ons, unless noted otherwise 5	Damaged Beams must not be used Design assumes top edge is laterally rest Provide lateral support at bearing point	ained ts to avoid					
2. LVL not to be trea	ted with fire retardant or corrosive	lateral displacement and rotation		alid until 6/28/2026				
	Powered by iStruct <sup>TM</sup> Datacet:							

		Client: Signature Homes Project:		Date: Input by:	3/11/2025 Anthony Williams		Page 8 of 1
isDes	sign	Address:			Lot 1 Mabry Ridge		
				Project #:	J0325-1347		
GDH-18 K	Kerto-S LVL	. 1.750" X 14.000'	2-Ply - PASSI	ED L	evel: Level		
						<b>N</b>	
		· · · · ·		•••••••••••••••••••••••••••••••••••••••		. 11/2	1'2"
	• • •		• • • •	•		╧┇╪	
1 SPF End Grair	1 0-3-8				2 SPF End Grain	0-3-8	
1			18'3"			1	13 1/2"
1			18'10"			1	
Multi-Ply Analy	-i-						
		0d Box nails (.128x3") at 12"	o.c. Maximum end dist	ance no	t to exceed 6"		
apacity	0.0 %						
oad ield Limit per Foot	0.0 PI 245.6						
eld Limit per Fastene	er 81.9 l						
w eld Mode	1 IV						
lge Distance	1 1/2"	,					
in. End Distance	3"						
oad Combination uration Factor	1.00						
Notes		chemicals	6. For flat roofs provide proper drainage	to prevent	Manufacturer Info		
Calculated Structured Designs structural adequacy of this co	is responsible only of the homeonent based on the 1.	andling & Installation LVL beams must not be cut or drilled	ponding		Metsä Wood 301 Merritt 7 Building, 2nd Floor	]	
design criteria and loading esponsibility of the customer ensure the component suita	and/or the contractor to	Refer to manufacturer's product information regarding installation requirements, multi-ply			Norwalk, CT 06851 (800) 622-5850		
application, and to verify the din	nensions and loads. 3.	fastening details, beam strength values, and code approvals Damaged Beams must not be used			www.metsawood.com/us		
Dry service conditions, unles     LVL not to be treated with f	ss noted otherwise 4. 5.	Design assumes top edge is laterally restrained Provide lateral support at bearing points to avoid lateral displacement and rotation					
		interar utspideement and totation	This design is valid until 6/28/2	026		1	

This design is valid until 6/28/2026

GDH-9	Design Kerto-S		Address: 1.750" X 1	1.875"	2-Ply -	Project #	e: Lot 1 Ma J0325-1 Level: Leve	347				
•	•	•	• •	1	•		·		•••		Γ <b>Λ</b> γ	1
	Culture .			alt in the			- Maria				XIX	11
	• nd Grain 0-3-8	- 44-44 - 4		and the second second	Service And Services	and a second second	• 2 SDE	End Grain			<u> </u>	
				9'3"			2 011					3 1/2"
				93							I	3 1/2
				910					I			
Nember Inf	ormation					Reactions UN	PATTERI	NED Ib	(Uplift)			
Туре:	Girder		Application:	Floor		Brg Direction	Live		-	Snow	Wind	Со
Plies:	2		Design Method:	ASD	-	1 Vertical	(		517	0	0	
Moisture Cond Deflection LL:	480		Building Code: Load Sharing:	IBC/IRC 201 No	5	2 Vertical	(	)	517	0	0	
Deflection TL:	360		Deck:	Not Checked								
Importance:	Normal - II											
Temperature:	Temp <= 10	)°F				<b>_</b>						
						Bearings						
						Bearing Lengt		•	React D/L lb	Total	Ld. Case	Ld. Com
						1 - SPF 3.500" End	Vert	5%	517 / 0	517	Uniform	D
Analysis Re	sults					Grain						
Analysis	Actual	Location	Allowed Capa	ty Comb.	Case	2 - SPF 3.500" End	Vert	5%	517 / 0	517	Uniform	D
Moment	1156 ft-lb	4'11"	17919 ft-lb 0.065	6%) D	Uniform	Grain						
Unbraced	1156 ft-lb			12%) D	Uniform							
Shear	392 lb	8'6 5/8"		5%) D	Uniform							
	0.000 (L/999)		999.000 (L/0) 0.000									
	0.022 (L/5130)	4'11"	0.312 (L/360) 0.070	7%) D	Uniform	1						
Design Not						4						
may also be	e required at the int	erior bearing	nt and rotation at the e s by the building code	-								
2 Fasten all p to exceed 6		f 10d Box nai	ls (.128x3") at 12" o.c	Maximum end o	distance not							
3 Refer to las	t page of calculatio		ers required for specifi	ed loads.								
	designed to be sup nust be supported e		e bottom edge only.									
	e laterally braced a											
	t be laterally brace											
ID	derness ratio base Load Type		Location Trib Wid	th Side	Dead 0.9	Live 1 Sno	ow 1.15	Wind 1	6 Const. 1.	25 Co	mments	
1	Uniform			Тор	96 PLF	0 PLF	0 PLF	0 PLI				
	Self Weight				9 PLF	- •						
	5											
N - 4		- ke *		A E	flat roofs are det	ronor drainage to	Manufactu	rer Info				
Notes Calculated Structured	Designs is responsible only		g & Installation	6. For 1 pond	nat roots provide p ling	roper drainage to prevent	Metsä Woo	d		1		
design criteria and	In this component based of loadings shown. It is ustomer and/or the contract	the 2. Refer	ams must not be cut or drilled to manufacturer's product	information			301 Merritt Norwalk, C	T 06851	2nd Floor			
ensure the compone	ent suitability of the int fy the dimensions and loads	ended fastenir	ng installation requirement ng details, beam strength value als	s, mulu-ply s, and code			(800) 622-5 www.metsa	850	us	<u> </u>		
		<ol><li>Damag</li></ol>	ed Beams must not be used									
Lumber	ons, unless noted otherwise	4. Design	assumes top edge is laterally re lateral support at bearing po	strained								

is	Design		Client: Project: Address:	Signature Homes		Date: Input by: Job Nam Project #	3/11/2025 Anthony Williams e: Lot 1 Mabry Ridge : J0325-1347		Page 10 of 1
GDH-9	Kerto-S	LVL	1.750	" X 11.875	5" 2-Ply	- PASSED	Level: Level		
•	•	•	•	•	• •	•	•••	<b>E</b> .	M T
	•	•	•	•		•		<ul><li>&lt;11/2"</li></ul>	11 7/8"
	nd Grain 0-3-8						2 SPF End Grain 0-3-8	<del></del>	
				9'3" 9'10					3 1/2"
Multi-Ply A	-								
Fasten all pli Capacity Load	es using 2 row	vs of 10d 0.0 % 0.0 PLF	Box nails	(.128x3") at 12"	o.c Maximum	n end distance n	ot to exceed 6".		
Yield Limit per Fo Yield Limit per Fo		0.0 PLF 163.7 PLI 81.9 lb.	=						
См Yield Mode		1 IV							
Edge Distance Min. End Distanc	e	1 1/2" 3"							
Load Combination	'n	1.00							
Net		- te -	icolo		6 Ear flat mate and	proper drainess to another	Manufacturer Info	<del></del>	
structural adequacy o	Designs is responsible only f this component based of	on the 1. LVL b	ng & Installat	cut or drilled	<ol> <li>For flat roots provide ponding</li> </ol>	proper drainage to prevent	Metsä Wood 301 Merritt 7 Building, 2nd Floor	1	
design criteria and responsibility of the cr ensure the component	loadings shown. It is ustomer and/or the contract ent suitability of the int	s the 2. Refer ctor to regar tended faste	to manufactur ding installation ning details, beam	requirements, multi-ply strength values, and code			Norwalk, CT 06851 (800) 622-5850		
Lumber	y the dimensions and loads	3. appro 3. Dam 4. Desig	ivals aged Beams must r in assumes top edg	tot be used le is laterally restrained			www.metsawood.com/us		
2. LVL not to be treat	ons, unless noted otherwise ed with fire retardant or cor	. 5. Provi	de lateral support	at bearing points to avoid	This design is vali	d until 6/28/2026			