

Ĺ	sDesign	Pro	ent: Signatu oject: ldress:	re Home Builder	-		me: Lot 37	oton Horrocks 7 Cottlestone Esta	ates		Page 2 c
BM1	Kerto-S L	.VL 1.	750" X 9	.250"	2-Ply -	Project PASSED	#: J0624 Level: Le	I-3359 vel			
	2										
			1								7 7
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	a rittle			al # la pa	apr	The second	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			$ \Lambda $	\backslash
	F 0-3-8					2 SPF 0-3-	-8			<u> </u>	
/	1 0-0-0		6'3"			2 011 0-0	-0				3 1/2"
<u> </u>			6'3"				\rightarrow				
	nformation		Application	Floor		Reactions U				۱۸/in d	
Type: Plies:	Girder 2		Application: Design Method:	Floor ASD		Brg Directior 1 Vertical		ve Dead 25 1507			C
	ondition: Dry		Building Code:	IBC/IRC 201	15	2 Vertical	1	25 1507			
Deflection L Deflection T			Load Sharing: Deck:	No Not Checke	Ч						
mportance:			Deck.	NUL CHECKE	u						
emperature		D°F									
						Bearings					
						Bearing Len	gth Dir.	Cap. React	D/L lb To	tal Ld. Case	Ld. Co
						1 - SPF 3.50				857 L	D+S
nalysis R	ecults					2 - SPF 3.50	0" Vert	55% 1507	/ 1350 28	857 L	D+S
Analysis	Actual	Location All	owed Capa	city Comb.	Case	1					
Noment	3833 ft-lb	3'1 1/2" 14	-	(27%) D+S	L						
Jnbraced	3833 ft-lb	3'1 1/2" 10	779 ft-lb 0.356	(36%) D+S	L						
Shear	1891 lb	5'2 1/4" 79	43 lb 0.238	(24%) D+S	L						
L Defl inc	h 0.030 (L/2306)	3'1 1/2" 0.1	145 (L/480) 0.208	(21%) S	L						
L Defl inc	h 0.064 (L/1090)	3'1 1/2" 0.2	290 (L/240) 0.220	(22%) D+S	L]					
esign No	otes										
	support to prevent late be required at the int				iteral support						
-	re designed to be su	-									
	olies must be fastened s must be supported e	•		etails.							
	be laterally braced a		-3.								
	nust be laterally brace		-								
/ Lateral sl D	enderness ratio base Load Type		vidth. cation Trib Wid	lth Side	Dead 0.9	Live 1 S	now 1.15	Wind 1.6 C	onst. 1.25	Comments	
	Uniform	20		Тор	445 PLF	40 PLF	432 PLF	0 PLF		A3	
2	Uniform			Тор	30 PLF	0 PLF	0 PLF	0 PLF		wall	
	Self Weight				7 PLF						
	5										
							Monufee	turor lpfc	I		
otes alculated Structur	red Designs is responsible only	chemicals of the Handling 8	k Installation		flat roofs provide p iding	roper drainage to preven	Manufac Metsä W	turer Info			
ructural adequad	y of this component based of and loadings shown. It is	on the 1. LVL beams s the 2. Refer to	must not be cut or drilled manufacturer's product				301 Merr	itt 7 Building, 2nd F CT 06851	loor		
esign criteria	e customer and/or the contract	ctor to recording	installation requiremen								
sponsibility of th sure the comp	conent suitability of the int	ended fastening d	letails, beam strength valu	es, and code			(800) 622				
sponsibility of th sure the comp plication, and to umber	ponent suitability of the int verify the dimensions and loads aditions, unless noted otherwise	ended fastening d approvals 3. Damaged E 4. Design ass	letails, beam strength valu Beams must not be used umes top edge is laterally re teral support at bearing p	es, and code				sawood.com/us			

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	sDesign	Pr	ient: Signature oject: Idress:	e Home Builders		Date: Input by: Job Nam	-	Horrocks ttlestone Estates			age 3 o
						Project #		59			
BM2	Kerto-S L	_VL 1.	.750" X 9.	250" 2-	-Ply - I	PASSED	Level: Level				
	2										
			1								7
										NA/	
	and the second s			All laces						IXIXI	
		- Million			- E					Z V N	_
L 1 SP	F 0-3-8					2 SPF 0-3-8					
r			6'3"							/	1/2"
/			6'3"								
-											
ember l	nformation					Reactions UN	IPATTERN	ED lb (Uplift)			
уре:	Girder		Application:	Floor		Brg Direction	Live	Dead	Snow	Wind	Co
Plies: Agisturo Co	2 ndition: Dry		Design Method: Building Code:	ASD IBC/IRC 2015		1 Vertical	166	1660	1488	0	
Deflection L	•		Load Sharing:	No		2 Vertical	166	1660	1488	0	
eflection T	L: 240		Deck:	Not Checked							
nportance:		о°Г									
emperature	e: Temp <= 10	JF				Bearings					
						Bearing Leng	th Dir.	Cap. React D/L I	b Total Lo	d. Case Lo	d. Co
						1 - SPF 3.500		60% 1660 / 148			+S
nalysis R	esults	I				2 - SPF 3.500	" Vert	60% 1660 / 148	8 3147 L	D	+S
Analysis	Actual	Location All	lowed Capac	ity Comb.	Case]					
<i>I</i> oment	4223 ft-lb	3'1 1/2" 14		29%) D+S	L						
Jnbraced Shear	4223 ft-lb 2083 lb	3'1 1/2" 10 5'2 1/4" 79		39%) D+S 26%) D+S	L						
	h 0.033 (L/2093)		145 (L/480) 0.229 (-)	L						
	h 0.070 (L/989)		290 (L/240) 0.243 (-	L						
L Dell Ille	otes					1					
esign No	upport to prevent late	eral movement a	and rotation at the en	nd bearings. Latera	al support]					
esign No 1 Provide s	be required at the in	terior bearings b									
esign No Provide s may also Girders a	be required at the in re designed to be su			tails.							
esign No Provide s may also Girders a Multiple p	be required at the in	d together as pe									
esign No Provide s may also Girders a Multiple p Top loads Top must	be required at the in re designed to be su plies must be fastene s must be supported be laterally braced a	d together as pe equally by all plie at end bearings.	es.								
esign No Provide s may also Girders a Multiple p Top loads Top must Bottom m	be required at the in re designed to be su plies must be fastene s must be supported	d together as pe equally by all plie at end bearings. ed at end bearing	es. gs.								
esign No Provide s may also Girders a Multiple p Top loads Top must Bottom m	be required at the in re designed to be su blies must be fastene s must be supported be laterally braced a nust be laterally brace	d together as pe equally by all plie at end bearings. ed at end bearing ed on single ply v	es. gs.	h Side	Dead 0.9	Live 1 Sn		Wind 1.6 Const.	1.25 Comm	nents	
esign No Provide s may also 2 Girders a 3 Multiple p 4 Top loads 5 Top must 6 Bottom m 7 Lateral sl	be required at the in re designed to be su- plies must be fastene a must be supported of be laterally braced anust be laterally brace enderness ratio base Load Type Uniform	d together as pe equally by all plie at end bearings. ed at end bearing ed on single ply v	es. gs. width.	Тор	494 PLF	53 PLF	476 PLF	0 PLF C	PLF A3	nents	
esign No Provide s may also 2 Girders a 3 Multiple p 4 Top loads 5 Top must 6 Bottom m 7 Lateral sl	be required at the in re designed to be su lies must be fastene s must be supported be laterally braced a nust be laterally brace enderness ratio base Load Type	d together as pe equally by all plie at end bearings. ed at end bearing ed on single ply v	es. gs. width.					0 PLF C		nents	