





















<u>Truss</u> <u>Placement</u> <u>Plan</u> SCALE: NTS

		Products		
PlotID	Length	Product	Plies	Net Qty
BM3	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH2	12' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
BM1	18' 0"	1-3/4"x 16" LVL Kerto-S	2	2
BM2	11' 0"	1-3/4"x 16" LVL Kerto-S	2	2
GDH1	22' 0"	1-3/4"x 23-7/8" LVL Kerto-S	3	3

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Image: Constraint of the second sec					
Harnett	Lot A Hobby Road	Floor	10/30/23	Hampton Horrocks	Anthony Williams
COUNTY	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALESMAN
Signature Home Builders	Lot A Hobby Rd	Magnolia 3 Car, GR	02/25/22	Quote #	J1023-6083
BUILDER	JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #
THIS IS These ti comport design i See ind identifie designe perman for the support and coll designe consult truss de	A TRUSS russes ar hents to b at the spe ividual de ed on the er is respo ent brach overall st structure umns is t BCSI-B1 elivery pa	B PLACEM e designe e incorpo ecification esign shee placemen onsible fo ng of the ructure. T e includin he respor neral guid and BCS ckage or	ENT DIA d as indi- rated intr of the b ets for ea- the design g header he design g header heibility of ance reg l-B3 provonline @	GRAM ON vidual bu o the buil- uilding de ch truss o g. The buil- ary and floor syst n of the tr s, beams, of the buil- arding bra- arding bra- sbcindus	LY. ilding ding signer. design lding em and uss walls, ding acing, the try.com



<u>Truss Placement Plan</u> SCALE: NTS



TI R	RUS eilly R Fayet Phon Fax:	SES coad Ir teville e: (910)	<b>&amp; B</b> ndustr , N.C. ) 864 864-4	EAN ial Par 28309 -8787 1444	Λ <b>S</b> <sup>-k</sup>		
Bearin, deeme require attache Code r founda require but not profess suppor those s registe design exceed	g reaction d to comp ments. T ed Tables equiremention size d to supp t greater f sional shr tt system specified red desig the supp 1 15000#.	hs less th ply with th he contra- ( derived ints ) to d and num poort react than 1500 all be reta for any n in the att n profess oort syste	an or equ he prescr ctor shall from the etermine ber of wo ions greas 0#. A reg ined to d eaction th ached Tal sional sha m for all	al to 300 iptive Col prescrip the minin od studs itstered de lesign the nat exceed bles. A all be reta reactions	0# are de the tive num 30000# esign ds ined to that		
		APT FO	DR TA	Prroc	ks		
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Harnett	Lot A Hobby Road	Roof	10/30/23	Hampton Horrocks	Anthony Williams		
COUNTY	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALESMAN		
Signature Home Builders	Lot A Hobby Rd	Magnolia 3 Car, GR	02/25/22	Quote #	J1023-6082		
BUILDER	JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #		
THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the							

	/	Client: Sig	nature Home Buil	ders	Date	e: 10/3	0/2023			Page 1 of 13
	_	Project:			Inpu	tby: Ham	pton Horrocks			
19	sDesign	Address:			Job	Name: Lot A	A Hobby Rd			
					Proje	ect #: J102	23-6083			
BM3	Kerto-S LVL	1.750" >	( 9.250"	2-Ply -	PASSE	D Level: 1	ST. FLOOR			
				-						
				3						
	2									
			1						_	$\neg \neq$
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	ante .		1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	in - ante		a ritte			/\!	91/4
		Contraction of the second s			Starting of the Starting of the					
1 SPF	End Grain 0-3-0			2	2 SPF End Grain	n 0-3-0			I.	
		6	6'4"			ł			<u> </u>	3 1/2"
/		F	N//			ł				
I			-			I				
Member In	formation	i			Reactions	UNPATTE	RNED lb (U	plift)		
Type:	Girder	Application	Floor		Brg Direct	ion l	_ive Dea	d Sr	10w Wind	d Const
Plies: Maiatura Can	2 udition: Dn/	Design Met	hod: ASD	2	1 Vertica	al 1	131 164	1	880 (	0 0
Deflection LL	· 480	Load Shari	ue. IBC 2012	2	2 Vertica	l 1	131 164	-1	880	0 0
Deflection TL	: 240	Deck:	Not Chec	cked						
Importance:	Normal - II									
Temperature	Temp <= 100°F									
					Bearings					
					Bearing L	ength Dir.	Cap. Rea	ct D/L lb	Total Ld. Case	e Ld. Comb.
					1 - SPF 3	.000" Ver	36% 164	1 / 1508	3149 L	D+0.75(L+S)
Analysis Re	sults				Grain					
Analysis	Actual Loca	ation Allowed (	Capacity Com	h Case	2-SPF 3	.000" Verl	36% 164	1 / 1508	3149 L	D+0.75(L+S)
Moment	3884 ft-lb	3'2" 12542 ft-lb (	).310 (31%) D+L	L Cubb	End					
Unbraced	4413 ft-lb	3'2" 10614 ft-lb (	).416 (42%) D+0.7	75(L+S) L	Grain					
Shear	1884 lb 5'3	3/4" 6907 lb (	).273 (27%) D+L	L						
LL Defl inch	0.037 (L/1944)	3'2" 0.149 (L/480) (	).247 (25%) 0.75(l	L+S) L						
TL Defl inch	0.077 (L/931)	3'2" 0.298 (L/240) 0	).258 (26%) D+0.7	75(L+S) L						
Design No	tes				1					
1 Provide su	pport to prevent lateral mo	ovement and rotation at	the end bearings.	. Lateral support	1					
may also b	be required at the interior b	earings by the building	code.	and distance not						
to exceed	6".	50X Halls (. 120X3 ) at 1		end distance not						
3 Refer to la	st page of calculations for	fasteners required for s	specified loads.							
4 Girders are 5 Top loads	e designed to be supported must be supported equally	d on the bottom edge o	nly.							
6 Top must b	be laterally braced at end b	pearings.								
7 Bottom mu	ist be laterally braced at er	nd bearings.								
8 Lateral sle	nderness ratio based on si	ingle ply width.			15	Onev: 4.45	Min - 1 4 C	Canat 4 05	Commerciant	
	соад туре	Location Int	- Side		LIVE 1	Snow 1.15	vvina 1.6	onst. 1.25	Comments	
1	Uniform		Тор	119 PLF	357 PLF	0 PLF	0 PLF	0 PLF	FU2	
2	Uniform		Тор	114 PLF	0 PLF	0 PLF	0 PLF	0 PLF	wall	
3	Uniform		Тор	278 PLF	0 PLF	278 PLF	0 PLF	0 PLF	C01	
	Self Weight			7 PLF						
Netes		chomicale	^	For flat roofs mendel	ronor drainess to	Manufa	cturer Info			
NOTES Calculated Structure	d Designs is responsible only of the	Handling & Installation	6.	ponding	порет отапладе то рге	Metsä V	Vood			
structural adequacy design criteria an responsibility of the	or this component based on the d loadings shown. It is the customer and/or the contractor to	1. LVL beams must not be cut or 2. Refer to manufacturer's	drilled product information			301 Me Norwall	rritt 7 Building, 2nd , CT 06851	Floor		
ensure the compo application, and to ve	erify the dimensions and loads.	regarding installation required fastening details, beam streng approvals	gth values, and code			(800) 62	22-5850	⊢		
Lumber	tions unless noted otherwise	<ol> <li>Damaged Beams must not be i</li> <li>Design assumes top edge is la</li> </ol>	used terally restrained			** ** **.110				
2. LVL not to be tre	ated with fire retardant or corrosive	<ol><li>Provide lateral support at be lateral displacement and rotation</li></ol>	aring points to avoid n	This design is valid	until 6/28/2026					

Í	isDesign	Client: Signature H Project: Address:	Home Builders	Date: Input by: Job Name	10/30/2023 Hampton Horrocks e: Lot A Hobby Rd	Page 2 of 13
BM3	Kerto-S LVL	. 1.750" X 9.2	2.50" 2-Ply	Project #:	J1023-6083 Level: 1ST. FLOOR	
	•	• •	•	•	<11/2"	9 1/4
	PF End Grain 0-3-0	6'4"		2 SPF End Grain 0-3-		↓ ↓ ↓ ↓ ↓ 3 1/2"
<i>∤</i>		6'4"			<del>-</del>	
Capacity Load Yield Limit pe CM Yield Mode Edge Distand Min. End Dis Load Combin Duration Fac	price using 2 rows or 0.0 0.0 er Foot 163 er Fastener 81.1 IV ce 11, tance 3" nation etor 1.0	то вох налу (. 120хо у к % PLF 37 PLF 9 lb. /2" 0				
Notes Calculated Struc structural adequ design criteria responsibility of ensure the co application, and the Lunder	tured Designs is responsible only of the acy of this component based on the and loadings shown. It is the the customer and/or the contractor to mponent suitability of the intended to verify the dimensions and loads.	chemicals Handling & Installation 1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product in regarding installation requirements, fastening details, beam strength values, approvals 3. Damaged Beams must not be used 4. Design assumes top deta is laterally refersion	<ol> <li>For flat roofs proponding</li> <li>formation multi-ply and code</li> </ol>	vide proper drainage to prevent	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	
<ol> <li>Dry service c</li> <li>LVL not to be</li> </ol>	onalitions, unless noted otherwise e treated with fire retardant or corrosive	<ol> <li>Provide lateral support at bearing points lateral displacement and rotation</li> </ol>	to avoid This design is	valid until 6/28/2026		



	Client: Signature Home B Project:	uilders Dat Inp	e: 10/30/2023 ut by: Hampton Horrocks	Page 4 of 1
isDesign	Address:	Job	Name: Lot A Hobby Rd	
BM1 Kerto-S	I VI 1 750" X 16 000"	2-Ply - PASSED	Level: 1ST. FLOOR	
• • •	• • • • • •	• • •		1/2
		• • • •	• • • •	· ·   <del>\[\[\[\[\]\]</del>   1'4"
1 SPF End Grain 0-3-8	<u> </u>	•••	• • • • • • • • • • • • • • • • • • •	
ļ		4 7 1 4 11		
ļ		174		
I		174		I
Aulti-Ply Analysis				
asten all nlies using 3 r	rows of 10d Box nails ( 128x3") at 12"	o.c. Maximum end distan	ce not to exceed 6"	
apacity	97.7 %			
ad ald Limit per Feet	240.0 PLF			
ld Limit per Fastener	81.9 lb.			
N	1			
eld Mode	IV 1 1/2"			
n. End Distance	3"			
ad Combination	D+L			
uration Factor	1.00			
			Manufact	
lotes	chemicals	6. For flat roofs provide proper drainage to p ponding	revent Manufacturer Info	
accurated Structured Designs is responsible tructural adequacy of this component bas	sed on the 1. LVL beams must not be cut or drilled	· •	301 Merritt 7 Building, 2nd Floor	
source and loadings snown. sponsibility of the customer and/or the consure the component suitability of the	2. Refer to manufacturer's product information ontractor to regarding installation requirements, multi-ply fastening details beam streamth values and and		Norwalk, CT 06851 (800) 622-5850	
pplication, and to verify the dimensions and	loads. approvals 3. Damaged Beams must not be used		www.metsawood.com/us	
1. Dry service conditions, unless noted other	rvise 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to avoid			
<ol> <li>LVL not to be treated with fire retardant of</li> </ol>	lateral displacement and rotation	This design is valid until 6/28/2026		





		Client: Project:	Signature Home B	uilders	Date: Input by:	10/30/2023 Hampton Horrocks	Page 7 of 13
isDesig	şn	Address:			Job Name Project #:	E Lot A Hobby Rd J1023-6083	
GDH1 Kert	to-S LVL	1.750"	X 24.000	' 3-Ply -	PASSED	Level: 1ST. FLOOR	
· · · ·	• • •	• •	• •		· · · ·	· · · ·	m T
	•••	•••	• • •	•••	• • •	<pre>&lt;11/2"</pre>	2'
1 SPF End Grain 0	•••••	• •	• •	• • •	<u> </u>	2 SPF End Grain 0-6-0	
<del> </del>			19'3" 19'3"				15 1/4"
Multi-Ply Analysis							
Fasten all plies using 6".	g 3 rows of 10c	l Box nails (.	128x3") at 12"	o.c Nail from	both sides. Maxi	mum end distance not to	exceed
Capacity Load	0.0 % 0.0 PLF	-					
Yield Limit per Foot Yield Limit per Fastener	245.6 P 81.9 lb.	LF					
См Yield Mode	1 IV						
Edge Distance Min, End Distance	1 1/2" 3"						
Load Combination	0						
Duration Factor	1.00						
		misele		C For Act and	neenes dealers to	Manufacturer Info	
Notes Calculated Structured Designs is res	che ponsible only of the Hand	lling & Installatio	n	<ul> <li>ponding</li> </ul>	proper grainage to prevent	Metsä Wood	1
structural adequacy of this compo- design criteria and loadings s responsibility of the customer and/	nent based on the 1. LVI shown. It is the 2. Re or the contractor to	beams must not be cu fer to manufacture	t or drilled 's product information			301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851	
ensure the component suitability application, and to verify the dimension	of the intended fas	tening details, beam s provals	trength values, and code			(800) 622-5850 www.metsawood.com/us	
Lumber 1. Dry service conditions, unless no	ted otherwise 5 Pro	maged Beams must no sign assumes top edge ovide lateral support a	t be used is laterally restrained t bearing points to avoid				
2. LVL not to be treated with fire re	tardant or corrosive late	eral displacement and r	tation	This design is vali	d until 6/28/2026		

This design is valid until 6/28/2026



	Client:	Signature Home Buil	dore	Date:	10/30/2023		Page 9 of 13
	Dient.	olgriature nome bui		bale.	Hampton Horrocks		1 age 3 01 13
TisDesign	Addresse			Input by:	Let A Hebby Rd		
Isbesign	Audress.			Dop Name.			
					31023-6085		
GDH2 Kerto-S L	.VL 1.750	)" X 11.875"	2-Ply -	PASSED	evel: 1ST. FLOOR		
			-				
• •	• •	•	• •	•	• •		$\overline{\mathbf{M}}$ $1$
						/S.	MM I
						-	11 7/8
	• •	•		•	• • —	<u> </u>	I VV
		-		-			
1 SPF End Grain 0-6-0					2 SPF End Grain 0-6-0	/\ 	
<u>/</u>		10'	2"			$\rightarrow$	2 1/2"
		10	0				3 1/2
1		10'	3"			7	
Multi-Ply Analysis							
Fasten all plies using 2 rows	s of 10d Box nail	s (.128x3") at 12" o	.c Maximum	end distance not	t to exceed 6".		
Capacity	0.0 %						
Load	0.0 PLF						
Yield Limit per Foot	163.7 PLF						
Yield Limit per Fastener	81.9 lb.						
CM Vield Mede	1						
rield Mode Edge Distance	IV 1 1/2"						
Min End Distance	3"						
Load Combination	•						
Duration Factor	1.00						
		-	For flat fr	anna desina - to	Manufacturer Info		
Notes Calculated Structured Designs is responsible only of	chemicals f the Handling & Instal	6. lation	For flat roofs provide pr ponding	oper drainage to prevent	Metsä Wood	-	
structural adequacy of this component based on design criteria and loadings shown it is	the 1. LVL beams must not	be cut or drilled			301 Merritt 7 Building, 2nd Floor		
responsibility of the customer and/or the contraction	or to regarding installat	on requirements, multi-ply			Norwalk, CT 06851 (800) 622-5850		
application, and to verify the dimensions and loads.	<ul> <li>astening details, be approvals</li> </ul>	am suengui values, and code			www.metsawood.com/us		
1. Dry service conditions, unless noted otherwise	<ol> <li>Jamaged Beams mu</li> <li>Design assumes top</li> </ol>	st not be used edge is laterally restrained					
2. LVL not to be treated with fire retardant or corre	5. Provide lateral supplateral displacement	ort at bearing points to avoid and rotation	This design is valid	until 6/28/2026			

	•	Client:	Signature H	lome Builders		Dat	ie:	10/30/2023				Page 10 of 1
Lis	Design	Project:				Inpu	ut by:	Hampton Horro	icks			
	Design	Address	:			Job Pro	iect #:	J1023-6083	1			
BM2	Kerto-S LVL	1.750	" X 14.00	0" 2.	-Plv - P	ASSED	Le	vel: 1ST. FLOOF	२			
		:										
		1										
		·					<u></u>					
					2							,
			•				-				M	1
	• •		• •		•						XXX	1'2"
	Contage.			all in the	1 The		1	*in			/W	12
1 SPF Er	nd Grain 0-3-8					2 SF	PF End G	Grain 0-3-8				
,			10/4"								×.	0.1/0"
ļ			104								3	1/2
			10.4					I				
												-
Member In	Girdor	Apr	lication:	Floor		Reactions	5 UNP/	ATTERNED I	b (Uplift)	Spow	Wind	Const
Plies:	2	Des	ign Method:	ASD		1 Vertic	al	880	2659	2309	0	Const 0
Moisture Cond	dition: Dry	Bui	ding Code:	IBC 2012		2 Vertic	al	1016	2789	2394	0	0
Deflection LL:	480	Loa	d Sharing:	No								
Deflection TL:	360 Normal - II	Dec	:K:	Not Checked								
Temperature:	Temp <= 100°F											
	·					Bearings						
						Bearing L	Length	Dir. Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
						1 - SPF 3	3.500"	Vert 49%	2659 / 2392	5052	L	D+0.75(L+S
Analysis Re	sults	I				Grain						
Analysis	Actual L	ocation Allowed	d Capacity	/ Comb.	Case	2 - SPF 3	3.500"	Vert 52%	2789 / 2557	5346	L	D+0.75(L+S
Moment	16457 ft-lb	3'6" 31049 f	-lb 0.530 (53	8%) D+0.75(L-	+S) L	Grain						
Unbraced	16457 ft-lb	3'6" 16525 f	-lb 0.996 (100%)	D+0.75(L-	+S) L							
Shear	5984 lb	1'5 1/2" 12021 II	0.498 (50	0%) D+0.75(L·	+S) L							
LL Defl inch	0.099 (L/1197) 4'10	0 13/16" 0.247 (L	/480) 0.401 (40	0%) 0.75(L+S)	) L							
TL Defl inch	0.208 (L/570) 4	4'10 3/4" 0.329 (L	/360) 0.631 (63	8%) D+0.75(L-	+S) L							
Design Not	es											
1 Provide sup	port to prevent lateral	movement and ro	tation at the end	bearings. Late	eral support							
2 Fasten all p	plies using 5 rows of 10	d Box nails (.128)	3") at 12" o.c. M	laximum end o	distance not							
to exceed 6 3 Refer to las	o". It page of calculations :	for fasteners requi	red for specified	loads.								
4 Concentrate	ed load fastener specif	fication is in addition	on to hanger fast	eners if a han	iger is							
present. 5 Girders are	designed to be suppo	rted on the bottom	edae onlv.									
6 Top must be	e laterally braced at a	maximum of 6'1 5/	8" o.c.									
7 Bottom mus 8 Lateral slen	st be laterally braced a iderness ratio based o	it end bearings. n single plv width.										
ID	Load Type	Locatio	n Trib Width	Side	Dead 0.9	Live 1	Snow	1.15 Wind	1.6 Const. 7	1.25 Cor	nments	
1	Point	3-6-	0	Near Face	2733 lb	851 lb	24	149 lb	0 lb	0 lb A02	:A	
2	Part. Uniform	4-0-0 to 10-4-	0	Near Face	411 PLF	165 PLF	356	6 PLF 0 I	PLF 0	PLF A01	A	
	Self Weight				11 PLF							
Notes		chemicals		6. For 1	flat roofs provide p	proper drainage to pr	revent N	lanufacturer Info		_		
Calculated Structured structural adequacy of design criteria and	Designs is responsible only of th of this component based on th	Handling & Insta 1. LVL beams must no	Illation t be cut or drilled	,	ing		N 3	letsä Wood 01 Merritt 7 Buildin	ig, 2nd Floor			
responsibility of the c ensure the compon	customer and/or the contractor t ent suitability of the intende	2. Refer to manu pregarding install d fastening details. I	acturer's product in ation requirements, eam strength values, a	formation multi-ply and code			N (8	orwalk, CT 06851 300) 622-5850				
application, and to ver Lumber	ify the dimensions and loads.	approvals 3. Damaged Beams n	ust not be used				Ŵ	ww.metsawood.co	m/us			
<ol> <li>Dry service conditi</li> <li>LVL not to be treat</li> </ol>	ons, unless noted otherwise ted with fire retardant or corrosiv	<ul> <li>Design assumes to</li> <li>5. Provide lateral su lateral displacement</li> </ul>	port at bearing points t and rotation	to avoid This	s design is valio	l until 6/28/2026						

Version 23.40.705 Powered by iStruct™ Dataset: 23091201.1447



## Multi-Ply Analysis

Fasten all plies using 5 rows of 10d Box nails (.128x3") at 12" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

indximani end distance not	
Capacity	85.2 %
Load	400.9 PLF
Yield Limit per Foot	470.6 PLF
Yield Limit per Fastener	94.1 lb.
См	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	D+0.75(L+S)
Duration Factor	1.15

## Concentrated Load

Fasten at concentrated side load at 3-6-0 with a minimum of (24) – 12d Common nails (.148x3.25") in

the pattern shown.

Min/Max fastener distances for Concentrated Side Loa	ds
--	----

Capacity Load Total Yield Limit Cg CM Yield Limit per Fastener Yield Mode	88.8 % 2604.0lb. 2933.3 lb. 0.9998 1 1 122.3 lb. IV M	Min. 3"- 1/2" Min. 1 1/4" in 3"	-Min. 1 1/4"	•••
Duration Factor	1.15	- Min. 5" -	-Min. 3"- 2"	2"
Notes Calculated Structured Designs is responsible only of t structural adequacy of this component based on t design criteria and loadings shown. It is t responsibility of the customer and/or the contractor ensure the component suibility of the intend	chemicals he Handling & Installation he 1. UVL beams must not be cut or drilled he 2. Refer to manufacturer's product information to grading installation requirements, multi-ply	<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	
<ol> <li>Development subserving of the inferited application, and to verify the dimensions and leads.</li> <li>Lumber</li> <li>Dry service conditions, unless noted otherwise</li> <li>LVL not to be treated with fire retardant or corrosi</li> </ol>	<ul> <li>rastering details, beam strength values, and code approvals</li> <li>Damaged Beams must not be used</li> <li>Design assumes top edge is laterally restrained</li> <li>Provide lateral support at bearing points to avoid lateral displacement and rotation</li> </ul>	This design is valid until 6/28/2026	www.metsawood.com/us	



isDesign		Client: Signa Project: Address:	ature Home Builde	ers	Date: Input by: Job Nam Project #	10/30/2023 Hampton Horrocks e: Lot A Hobby Rd J1023-6083	Page 13 of
BM4 Kerto-	S LVL	1.750" X	11.875"	2-Ply	PASSED	Level: 2ND. FLOOR	
•••	• •	•	• •	•	• •	· · · ·	
	•	•••	•	• •	•	• • • •	
1 SPF 0-3-8						2 SPF	0-3-8
1			13'3	1/2"			1 1/2"
1			13'3	1/2"			1
/ulti-Ply Analysis							
asten all plies using 3	rows of 10	d Box nails (.128)	<3") at 12" o.c	Maximum	end distance n	ot to exceed 6".	
apacity	92.4 %						
ad ald Limit per Foot	261.0 F 282.4 F	PLF PLF					
ld Limit per Fastener	94.1 lb						
ld Mode	IV						
ge Distance	1 1/2"						
n. End Distance ad Combination	3" D+S						
uration Factor	1.15						
						Manufacture 1.5	
Notes		nemicals	6. F	or flat roofs provide p onding	roper drainage to prevent	Manufacturer Info	
tructural adequacy of this component l lesign criteria and loadings shown	based on the 1.L.	/L beams must not be cut or drille	ed duct information			301 Merritt 7 Building, 2nd Floor	
sponsibility of the customer and/or the nsure the component suitability of	contractor to re the intended fa	egarding installation require stening details, beam strength	ments, multi-ply values, and code			Norwalk, CT 06851 (800) 622-5850	
pplication, and to verify the dimensions ar Lumber	nd loads. a 3. D	pprovals amaged Beams must not be use	d			www.metsawood.com/us	
<ol> <li>Dry service conditions, unless noted ot</li> <li>LVL not to be treated with fire retardar</li> </ol>	herwise 4. D 5. P tor corrosive	esign assumes top edge is latera rovide lateral support at bearin teral displacement and rotation	lly restrained g points to avoid		11 0 00 10 00 -		
	· la	INCIDE DUB CONTRACTOR INCIDE AND A CONTRACTOR AND A CONTR	т	terms of a strength of a secolitization	111 0100 0000		

This design is valid until 6/28/2026

