



03/14/2019



28 Whittier Street Portland

6 messages

Michael Conlon <conlonmichael16@gmail.com>
To: bstephens@portlandmaine.gov

Mon, Mar 11, 2019 at 10:27 AM

Hello Brian , I have submitted and resubmitted the plans and changes for thos project. I'm doing something wrong and was hoping we could meet tommorow with homeowner to get this on right track. The homeowner is anxious . Thank you for your time. Michael Conlon.

Brian Stephens <bstephens@portlandmaine.gov>
To: Michael Conlon <conlonmichael16@gmail.com>

Mon, Mar 11, 2019 at 11:08 AM

Hello Michael,

Your drawings seem to show you are removing an existing bearing wall between the kitchen and dining room and replace that bearing wall with a new manufactured beam.

I need to know the design loading (uniform and point loads) and the approved size of the beam. I also need to know the required post sizes at each end of the beam with approved connections as well as how these new point loads will be carried to the foundation or footings in the basement below.

You can provide me with a structural design report (for this specific installation) from the beam manufacturer or have a local structural engineer stamp the approved design.

I hope this helps clarify what I am looking for.

Thanks, Brian

On Mon, Mar 11, 2019 at 10:27 AM Michael Conlon <conlonmichael16@gmail.com> wrote:

Hello Brian , I have submitted and resubmitted the plans and changes for thos project. I'm doing something wrong and was hoping we could meet tommorow with homeowner to get this on right track. The homeowner is anxious . Thank you for your time. Michael Conlon.

--
Brian Stephens

Code Enforcement Officer/Plan Reviewer

City of Portland

Permitting and Inspections Department
389 Congress Street - Room 315
Portland, Maine 04101

bstephens@portlandmaine.gov
(207) 874-8704

Notice: Under Maine law, documents - including e-mails - in the possession of public officials or city employees about government business may be classified as public records. There are very few exceptions. As a result, please be advised that what is written in an e-mail could be released to the public and/or the media if requested.

Michael Conlon <conlonmichael16@gmail.com>
To: Brian Stephens <bstephens@portlandmaine.gov>

Mon, Mar 11, 2019 at 11:11 AM



The email account that you tried to reach does not exist. Please try double-checking the recipient's email address for typos or unnecessary spaces. [Learn more at https://support.google.com/mail/?p=NoSuchUser](https://support.google.com/mail/?p=NoSuchUser) [g4sor14959204plq.37](#)
gsmtip

Reviewed for Code Compliance
Permitting and Inspections Department
Approved with Conditions

03/14/2019

----- Forwarded message -----

From: Michael Conlon <conlonmichael44@gmail.com>

To: bstepson@portlandmaine.gov

Cc:

Bcc:

Date: Tue, 12 Mar 2019 15:40:58 -0400

Subject: Fwd: 5 Timber Oak Lane, Saco ME

Hello , This is calucutions for 28 Whittier Street Portland Me. Per your request. It was done by an engineer at Boise cascade. He specializes in LVL loads. The job is 28 Whittier he put 5 timber oak that's my own house.

----- Forwarded message -----

From: Michael Conlon <conlonmichael16@gmail.com>

Date: Tue, Mar 12, 2019, 2:49 PM

Subject: Fwd: 5 Timber Oak Lane, Saco ME

To:

Cc: <conlonmichael44@gmail.com>

----- Forwarded message -----

From: Michael Conlon <conlonmichael16@gmail.com>

Date: Tue, Mar 12, 2019, 9:29 AM

Subject: Fwd: 5 Timber Oak Lane, Saco ME

To: <doinks99@aol.com>

----- Forwarded message -----

From: Eric Clark <eclark@hooddistribution.com>

Date: Tue, Mar 12, 2019, 9:27 AM

Subject: 5 Timber Oak Lane, Saco ME

To: <co ----- Message truncated ----->



03/14/2019



Fwd: 5 Timber Oak Lane, Saco ME

3 messages

Michael Conlon <conlonmichael16@gmail.com>
Cc: conlonmichael44@gmail.com

Tue, Mar 12, 2019 at 2:49 PM

----- Forwarded message -----

From: **Michael Conlon** <conlonmichael16@gmail.com>
Date: Tue, Mar 12, 2019, 9:29 AM
Subject: Fwd: 5 Timber Oak Lane, Saco ME
To: <doinks99@aol.com>

----- Forwarded message -----

From: **Eric Clark** <eclark@hooddistribution.com>
Date: Tue, Mar 12, 2019, 9:27 AM
Subject: 5 Timber Oak Lane, Saco ME
To: <conlonmichael16@gmail.com>

Hello Michael,

Here is the calc for the beam we talked about.

Job: ~~5 Timber Oak Lane, Saco ME~~

Hood # HD031219-C2 EC

Attached Files;

Calc

*28 White Horse St, Portland
He put my horse address in by
mistake.*

1st Floor Ceiling Bm

3/18' (3ply) 1.75" x 16" LVL

TI Def 0.435"

Have a good day,

Eric Clark

Engineered Wood Products

Hood Distribution

McQuesten Group

91 Fitchburg Road (Rte 2A)

Ayer, MA 01432

Ph: 978 615 4245 ext.3330



Client: Eldredge Lumber
 Project:
 Address:

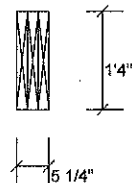
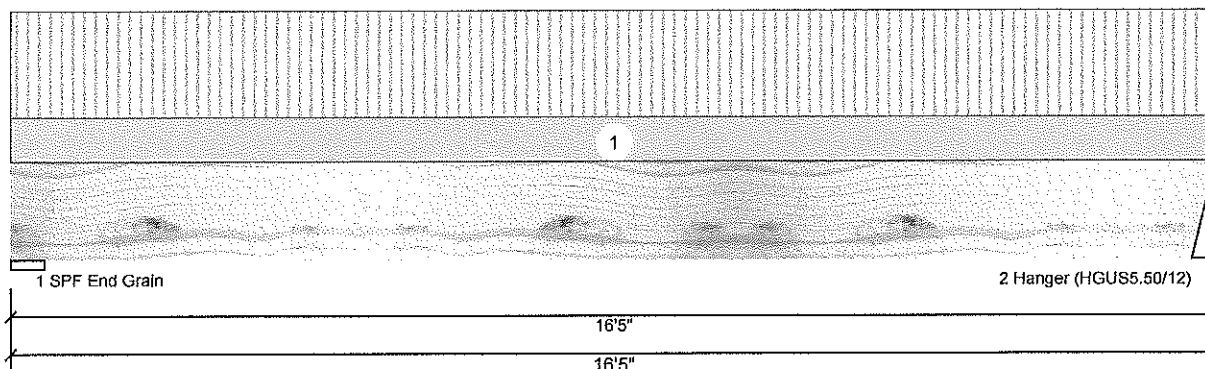
Date: 3/12/2019
 Designer: EC
 Job Name: 5 Timber Oak Lane, Saco ME
 Project #: HD031219-C2 EC

Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

1st Floor Ceiling Beam Kerto-S LVL 1.750" X 16.000" 3-Ply - PASSED

Level: Level

03/14/2019



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	5790	2553	0	0	0
2	5702	2514	0	0	0

Bearings

Bearing	Length	Cap. React D/L	lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	5.500"	33%	2553 / 5790	8343	L	D+L
2 - Hanger	4.000"	45%	2514 / 5702	8216	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	31359 ft-lb	8'3 1/4"	53922 ft-lb	0.582 (58%)	D+L	L
Unbraced	31359 ft-lb	8'3 1/4"	31477 ft-lb	0.996 (100%)	D+L	L
Shear	6609 lb	1'8 5/8"	17920 lb	0.369 (37%)	D+L	L
LL Defl inch	0.302 (L/627)	8'3 5/16"	0.526 (L/360)	0.570 (57%)	L	L
TL Defl inch	0.435 (L/435)	8'3 5/16"	0.789 (L/240)	0.550 (55%)	D+L	L

Design Notes

- 1 Fill all hanger nailing holes.
- 2 Girders are designed to be supported on the bottom edge only.
- 3 Multiple plies must be fastened together as per manufacturer's details.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 5'5 1/4" o.c.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Const.	Comments
1	Uniform			Top	290 PLF	700 PLF	0 PLF	0 PLF	0 PLF	F, W, C
	Self Weight				19 PLF					

<p>Notes</p> <p>Calculated Structural 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 customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.</p> <p>Lumber</p> <ol style="list-style-type: none"> 1. Dry service conditions, unless noted otherwise 2. LVL not to be treated with fire retardant or corrosive chemicals <p>Handling & Installation</p> <ol style="list-style-type: none"> 1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to avoid lateral displacement and rotation. 	<p>6. For flat roofs provide proper drainage to prevent ponding</p>	<p>Manufacturer Info</p> <p>Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633</p>	<p>Hood Distribution 91 Fitchburg Rd, MA USA 01432 800-752-0129</p>
		<p>This design is valid until 7/10/2021</p>	





TROTMAN Development LLC

FIRST Floor

1.

