

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 04-1187	Issue Date: SEP 10 2004	CBL: 436 A009001
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Location of Construction: 30/24 Yale St Lot # 1	Owner Name: Mks Development Inc	Owner Address: 7 Terra Way	Phone: 207-781-8822
Business Name: n/a	Contractor Name: Chris Ballard	Contractor Address: 7 Terra Way Falmouth	Phone: 2078383800
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Single Family	Zone: R-3
Past Use: Vacant Land	Proposed Use: Build New 2159 sq. Ft. Colonial style home with 2 car garage.	Permit Fee: \$1,302.00	Cost of Work: \$134,000.00
Proposed Project Description: Build new 2159 sq. Ft. Colonial style home with 2 car garage.		CEO District: 4	Type: R3 BOLA 1999 SB JMB 9/9/04
		Signature: _____ Signature: _____ PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	
		Signature: _____ Date: _____	

Permit Taken By: gg	Date Applied For: 0811712004	Zoning Approval		
<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing,, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>		Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan # 2004-0167 Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> Date: 8/26/04	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION PERMIT

Permit Number 041187

Please Read Application And Notes, If Any, Attached

This is to certify that Mks Development Inc /Chris Ballard

has permission to Build new 2159 sq. Ft. Colonial style home with 2 car garage

At 30 Yale St Lot # 1 City of Portland 436 A09001

provided that the person or persons who accept this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is occupied or otherwise closed-in. 4 HOUR NOTICE REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept.

Health Dept.

Appeal Board

Other Department Name

Handwritten signature: Annie Bonke 9/9/04

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

24 Yale St 04-1187
 MD Lot 1 436-A-9

Soil type/Presumptive Load Value (Table 401.4.1)	Subdivision Plans		
STRUCTURAL			
Footing Dimensions/Depth (Table 403.1.1 & 403.1.1(1), Section 403.1.2)			
	10x18-8'		OK
Foundation Drainage Dampproofing (Section 406)	drain, Fabric, bituminous		OK
Ventilation (Section 409.1) Crawls Space ONLY	3 windows		OK
AnchorBolts/Straps (Section 403.1.4)	6" O.C. 12'	"	OK
Lally Column Type, Spacing and footing sizes (Table 502.3.4(2))	3 1/2 valley 2x2x8"		OK
Built-Up Wood Center Girder Dimension/Type (Table 502.3.4(2))	3-2x12 6'+8'		OK Carrying floor header also in 1st Floor partition
Sill/Band Joist Type & Dimensions	2x6 PT 2x10		
First Floor Joist Species Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))	2x10 16 O.C.		OK
Second Floor Joist Species Dimensions and Spacing Table(503.3.1(1) & Table 503.3.2(1))	2x10 16 O.C. Savage AS142Y Truss		OK

Attic or additional Floor Joist Species Dimensions and Spacing (Table 802.4.2 or 503.3.1(1) & Table 503.3.2(1))	2x8 16 o.c 2x4 collar tie	ok
Roof Rafter; Pitch, Span, Spacing & Dimension (Table 802.3.2(7))	5:12 / 8:12 2x10 16 o.c. 12' 11' 2x12 Hps	ok
Sheathing; Floor, Wall and roof (Table 503.2.1(1))	3/4 Adv sheatg, 7/16 OSB, 1/2 OSX	ok
Fastener Schedule (Table 602.3(1) & (2))	BOCA 1539	ok
Private Garage Section 309 and Section 407 1999 BOCA) Living Space ? (Above or beside)		
Fire separation	5/8 walls / no linings	ok
Fire rating of doors to living space Door Sill elevation (407.5 BOCA)	45 min	ok
Lightless windows (Section 210)	yes ok	ok
ROOF COVERING (Chapter 9)	25 yr asphalt	ok
Safety Glazing (Section 308)	2nd FL RT Baln	ok condition
Attic Access (BOCA 1211.1)	22x30	ok
Draft Stopping around chimney	N/A	

Header Schedule	units 52x10 or less	ok
Type of Heating System	Side vent Furnace	ok
Stairs		
Number of Stairways	2	ok
Interior	2	
Exterior	0	
Treads and Risers (Section 314)	7 ³ / ₄ max 10" min	ok
Width	3'	
Headroom	6'8"	ok
Guardrails and Handrails (Section 315)	36" returned	ok
Smoke Detectors Location and type/interconnected	All Bedrooms/protecting ALL levels intercont./bath	ok
Plan Reviewer Signature		

See Chimney Summary Checklist

beck 2x8 160c.

3 PENS - 2-2x8 Beam max 7'6" sk

AUG 12 2004

All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>Lot 1 Yale St. Portland, Me.</u>		
Total Square Footage of Proposed Structure <u>2159 SF</u>	Square Footage of Lot <u>14.627 SF</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>436</u> Block# <u>A</u> Lot# <u>9</u>	Owner: <u>MKS Development</u> <u>Falmouth, Me.</u>	Telephone: <u>781-8822</u>
Lessee/Buyer's Name (if Applicable)	Applicant name, address & telephone: <u>Christopher J. Ballard, Inc. 7 Terra Way, Falmouth, Me.</u>	Cost Of Work: \$ <u>134,000.00</u> Fee: \$
Current use: <u>Vacant land</u>		
If the location is currently vacant, what was prior use: <u>N/A</u>		
Approximately how long has it been vacant: <u>N/A</u>		
Proposed use: <u>single family home</u>		
Project description: <u>Colonial style home w/ two car garage</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>Chris Ballard 838-3800</u>		
Mailing address: <u>7 Terra Way</u> <u>Falmouth, Me. 04105</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>838-3800</u>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Officer's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>[Signature]</u>	Date: <u>8/11/04</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall

Applicant: Chris Ballard
Address: 24 Yale CT - (lot # 1)

Date: 8/26/04
C-B-L: 436-A-009

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New Development

perm # 04-1187

Zone Location - R-3

Interior or corner lot -

Proposed Use/Work - to construct New Colonial (2 story) with attached garage
Sewage Disposal - City

24.5' x 36'

22 x 24

with 8' x 12' rear deck

Lot Street Frontage - 50' - $\approx 137'$ scaled

Front Yard - 25' min - 26' given

Rear Yard - 25' min - 35' to rear deck

Side Yard - 14' min - 20' given in 70' scaled

Projections - rear deck 8' x 12'

Width of Lot - 75' min $\approx 137'$ scaled

Height - 35' max - 31.5' scaled to ridge

Lot Area - 6,500 $\#$ 14,627 $\#$ given

Lot Coverage/ Impervious Surface - 25% max or 3656.75 $\#$ max

Area per Family - 6,500 $\#$

Off-street Parking - 2 req - 2 car garage shown

Loading Bays - N/A

Site Plan - minor/minor # 2004-0167

Shoreland Zoning/Stream Protection - N/A

Flood Plains - panel 7 - Zone X

Rear Daylight basement shown

21
 $21.5 \times 21 = 451.5$
 $22 \times 24 = 528$
 $8' \times 12' = 96$

1506 $\#$

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Building Copy**

2004-0167

Application I. D. Number

8/12/2004

Application Date

Yale ST. (Lot #1)

Project Name/Description

Mks Development Inc

Applicant

7 Terra Way, Falmouth, ME 04105

Applicant's Mailing Address

24 - 24 Yale St, Portland, Maine

Address of Proposed Site

436 A009001

Assessor's Reference. Chart-Block-Lot

Consultant/Agent

Agent Ph: _____ Agent Fax: _____

Applicant or Agent Daytime Telephone, Fax

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail

Manufacturing Warehouse/Distribution Parking Lot Other (specify) _____

2159 sq. Ft.

14627

Proposed Building square Feet or # of Units

Acreage of Site

Zoning

Check Review Required:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan
(major/minor) | <input type="checkbox"/> Subdivision
of lots | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional
Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | | <input type="checkbox"/> Other |

Fees Paid: Site Pla \$250.00 Subdivision _____ Engineer Review \$50.00 Date 8/17/2004

Building Approval Status:

Reviewer _____

- Approved Approved w/Conditions See Attached Denied

Approval Date _____ Approval Expiration _____ Extension to _____ Additional Sheets Attached

Condition Compliance _____ signature _____ date _____

Performance Guarantee Required" Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------------|--|-----------------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ date | _____ amount | _____ expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ date | _____ amount | |
| <input type="checkbox"/> Building Permit Issue | _____ date | | |
| <input type="checkbox"/> Performance Guarantee Reduced | _____ date | _____ remaining balance | _____ signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ date | <input type="checkbox"/> Conditions (See Attached) | _____ expiration date |
| <input type="checkbox"/> Final Inspection | _____ date | _____ signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ date | _____ signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ submitted date | _____ amount | _____ expiration date |
| <input type="checkbox"/> Defect Guarantee Released | _____ date | _____ signature | |

QUITCLAIM DEED WITH COVENANT

(Maine Statutory Short Form)

Book 20376

Page 314

Recorded 10/10/03

WESCOTT & PAYSON II, LLC, a Maine limited liability company, whose mailing address is in Portland, Maine, hereinafter referred to as the Grantor, for consideration paid grants to **MKS DEVELOPMENT, INC.**, a Maine corporation, with a mailing address of 7 Terra Way, Falmouth, Maine 04105, hereinafter referred to as the Grantee, with **QUITCLAIM COVENANTS**, a certain lot or parcel of land situated in the Portland, County of Cumberland, and State of Maine, and described as follows:

SEE EXHIBIT A ATTACHED HERETO

IN WITNESS WHEREOF, the Grantor, **Wescott & Payson II, LLC**, has caused this instrument to be signed and sealed this 9 day of October, 2003.

Signed, Sealed and Delivered
in presence of:

WESCOTT & PAYSON II, LLC

[Signature]
Witness

By: [Signature]
Michael H. Payson, Jr.
Its: Manager and Member

STATE OF MAINE
CUMBERLAND, SS.

October 9, 2003

Then personally appeared the above named Michael H. Payson, Jr., in his capacity as Manager and Member of **Wescott & Payson II, LLC**, and acknowledged the foregoing instrument to be his free act and deed and the free act and deed of **Wescott & Payson II, LLC**.

Before me,

[Signature]
Attorney-at-Law/Notary Public

EXHIBIT A:

Certain parcels of land situated on or about Yale Street in the City of Portland, County of Cumberland and State of Maine, bounded and described as follows:

A certain lot or parcel of land located on the northeast side of Yale Street in the City of Portland, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point on the northeasterly sideline of Yale Street and the southerly corner of land now or formerly of the Maine Conference of Seventh Day Adventists as described in a deed recorded in the Cumberland County Registry of Deeds in Book 4488, Page 191. Thence:

Thence N 35° 49' 00" E by said land of the Maine Conference of Seventh Day Adventists a distance of One Hundred and 00/100 (100.00) feet to a point and land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 18226, Page 260.

Thence N 35° 49' 00" E across said land of Wescott & Payson II a distance of Seven and 55/100 (7.55) feet to a point and land now or formerly of the Allen Avenue Housing Associates as described in a deed recorded in said Registry in Book 9037, Page 328.

Thence S 54° 11' 00" E by said land of the Allen Avenue Housing Associates a distance of Two Hundred Thirty-Seven and 95/100 (237.95) feet to a 1" iron pipe found and other land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 17365, Page 293 and land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 18226, Page 260.

Thence S 35° 49' 00" W across said land of Wescott & Payson II (Book 18226, Page 260) a distance of Seven and 55/100 (7.55) feet to a point.

Thence S 54° 11' 00" E by said land of Wescott & Payson II a distance of Five Hundred Seventy-Three and 05/100 (573.05) feet to a point and other land now or formerly of Wescott & Payson II as described in a deed recorded in said Registry in Book 17365, Page 289 and Book 17365, Page 291.

Thence S 35° 49' 00" W across said land of Wescott & Payson II a distance of Ninety and 00/100 (90.00) feet to a point of curvature.

Thence Westerly across said land of Wescott & Payson II, following a curve to the right having a radius of Ten and 00/100 (10.00) feet, an arc distance of Fifteen and 71/100 (15.71) feet to a point of tangency and the northeasterly side of said Yale Street, said point of tangency lying S 80° 49' 00" W a distance of Fourteen and 14/100 (14.14) feet from the last mentioned point.

Thence N 54° 11' 00" W by said Yale Street a distance of Seven Hundred Seventy-Six and 00/100 (776.00) feet to the point of beginning.

The above described parcel contains 80,375 square feet. Bearings are referenced to magnetic north 1983.

Reference is herein made to a Standard Boundary Survey made for Wescott & Payson II by Titcomb Associates dated June 12, 2002 as recorded in the Cumberland County Registry of Deeds in Plan Book 202, Page 693.

The foregoing property may also be described as Lots number 1 through 10 located on Yale Street in Portland, Maine as shown on the plan entitled "Subdivision Recording Plat - Amendment to "Plan of Lots" at University Park" prepared for Wescott & Payson II by Land Use Consultants revised through September 30, 2002 and approved by the City of Portland on January 14, 2003, recorded in the Cumberland County Registry of Deeds in Plan Book 203 Page 262 (the "Plat"), subject to the easements, restrictions and obligations set forth in the Plat.

Subject to a Drainage Easement Deed from Wescott & Payson II to the City of Portland of even or recent date to be recorded in the said Registry of Deeds for Drainage Easements "A," "B" and "C" as shown on the Plat.

Together with an easement for access and utilities from the subject property in and over Yale Street to Harvard Street, a public way, until such time as Yale Street is accepted by the City of Portland as a public way.

Together with the benefit of a 50 foot by 50 foot Turnaround Easement as described in an Easement Deed for Turnaround from Wescott & Payson II, LLC to the City of Portland of even or recent date to be recorded in the said Registry of Deeds.

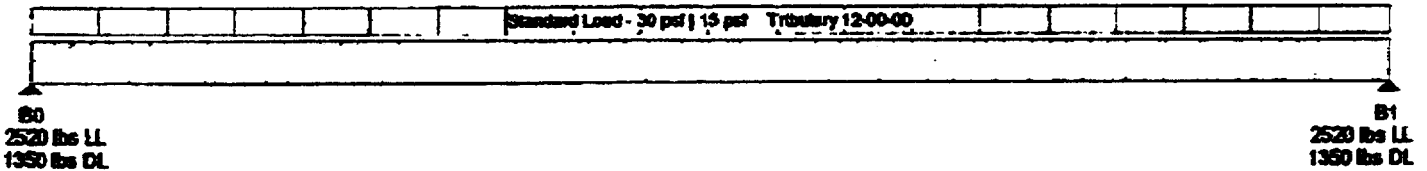
Being a portion of the property conveyed to Wescott & Payson II, LLC, formerly known as Wescott & Payson II by deed recorded in the Cumberland County Registry of Deeds in Book 17365, Page 289, Book 17365, Page 291 and Book 18226, Page 260. Reference is made to the Recorded Certificate from the Maine Secretary of State evidencing the transformation of Wescott & Payson II, a Maine General Partnership, into Wescott & Payson II, LLC, a Maine limited liability company.

Single 5 1/4" x 9 1/2" VERSA-LAM® 3080 DF

Job Name:
Address:
City, State, Zip:
Customer:
Code reports: ICBO 5663, NER 442

File Name: BC CALC Project : FB01
Description:
Specifier:
Designer: MB
Company: Hancock Lumber
Misc:

Kitchen Area



Total Horizontal Length - 14-00-00

General Data
Version: US Imperial
Member Type: Floor Beam
Number of Spans: 1
Left Cantilever: No
Right Cantilever: No
Slope: 0/12
Tributary: 12-00-00

Live Load: 30 psf
Dead Load: 15 psf
Partition Load: 0 psf
Duration: 100

Disclosure:

The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide or if you have any questions, please call (800)232-0788 before beginning product installation.

BC CALC®, BC FRAMER®, BC®, BC RIM BOARD™, BC OSB RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and AJS™ are trademarks of Boise Cascade Corporation.

Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	14-00-00	Live	30 psf	12-00-00	100%
						Dead	15 psf	12-00-00	90%

Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	13544 ft-lbs	65.1%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	3432 lbs	38.2%	100%	2	1 - Left
Total Load Defl.	L/284 (0.637")	91.0%		2	1
Live Load Defl.	L/405 (0.415")	88.9%		2	1
Max Defl.	0.637"	63.7%		2	1

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1") Maximum load deflection criteria.
Minimum bearing length for B0 is 1-1/2".
Minimum bearing length for B1 is 1-1/2".
Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

Single 14" AJS™ 20 MSR

Job Name: ~~GARAGE SOFTENER~~

Address: *Joists*

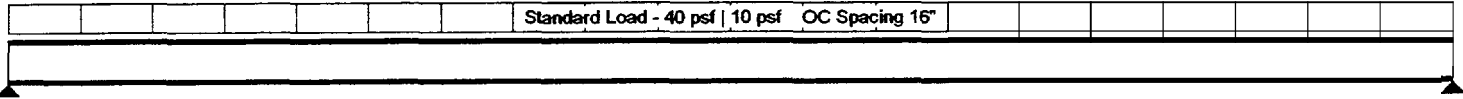
City, State, Zip: BOCA 22-09, SBCCI 9707D, ICBO PFC-5504

File Name: BC CALC Project : J01

Description:

Specifier: MB
Designer: MB

Company: Hancock Lumber
Misc:



587 lbs LL
147 lbs DL

587 lbs LL
147 lbs DL

Total Horizontal Length - 22-00-00

General Data

Version: US Imperial

Member Type: Joist
Number of Spans: 1
Left Cantilever: No
Right Cantilever: No

Slope: w12
OC Spacing: 16"
Repetitive: Yes
Construction Type: Glued

Live Load: 40 psf
Dead Load: 10 psf
Partition Load: Opsf
Duration: 100

Disclosure

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Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	OCS	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	22-00-00	Live	40 psf	16"	100%
						Dead	10 psf	16"	90%

Controls Summary

Control Type	Vdue	% Allowable	Duration	Load Case	span
Moment	4033 ft-lbs	80.7%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Reaction	733 lbs	64.1%	100%	2	1 - Left
Total Load Defl.	L/439 (0.602")	54.7%		2	1
Live Load Defl.	L/548 (0.481")	87.5%		2	1
Max Defl.	0.602"	60.2%		2	1
Span / Depth	18.9	n/a			1

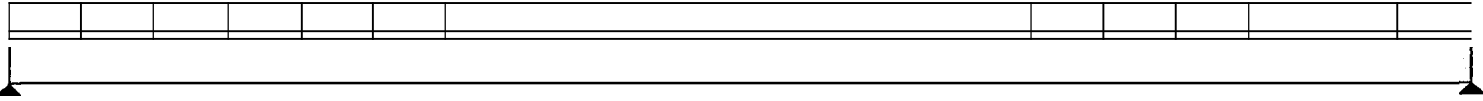
Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum load deflection criteria.
 Minimum bearing length for E0 is 1-3/4".
 Minimum bearing length for B1 is 1-3/4".
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 mm. end bearing + 1/2 intermediate bearing

Single 5 1/4" x 14" VERSA-LAM® 3080 DF

Job Name: **GARAGE DOOR HEADER**
 Address:
 C i ,state,zip:,
 Customer:
 Code reports: ICBO 5663, NER 442

File Name: BC CALC Project :FB02
 Description:
 Specifier:
 Designer: MB
 Company: Hancock Lumber
 Misc:



4320 lbs LL
 1250 lbs DL

4320 lbs LL
 1250 lbs DL

Total Horizontal Length - 18-00-00

General Data

Version: US Imperial

Member Type: Floor Beam
 Number of Spans: 1
 Left Cantilever: No
 Right Cantilever: No

Slope: w12
 Tributary: 12-00-00

Live Load: 40 psf
 Dead Load: 10 psf
 Partition Load: 0 psf
 Duration: 100

Disclosure
 The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide or if you have any questions, please call (800)232-0788 before beginning product installation.

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Load Summary

ID	Description	Load Type	Ref.	start	End	Type	Value	Trib.	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	18-00-00	Live	40 psf	12-00-00	100%
						Dead	10 psf	12-00-00	90%

Controls Summary

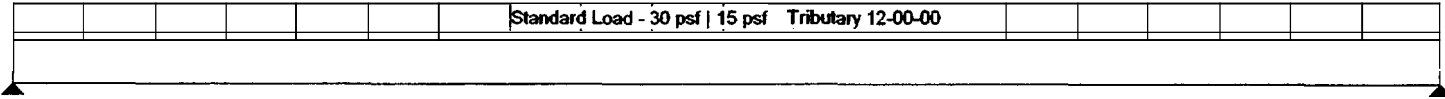
Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	25065 ft-lbs	57.9%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	4848 lbs	34.7%	100%	2	1 - Left
Total Load Defl.	L/355 (0.609")	67.6%		2	1
Live Load Defl.	L/457 (0.472")	78.7%		2	1

Notes
 Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Minimum bearing length for B0 is 1-1/2".
 Minimum bearing length for B1 is 1-1/2".
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 mm. end bearing + 1/2 intermediate bearing

Single 3 1/2" x 9 1/2" VERSA-LAB 3080 DF

Job Name: ~~GARAGE DOOR HEADER~~
 Address:
 City, State, Zip: **LIV. ROOM ENTRY**
 Customer:
 Code reports: ICBO 5663, NER 442

File Name: BC CALC Project :FB01
 Description:
 Specifier:
 Designer: MB
 Company: Hancock Lumber
 Misc:



2160 lbs LL
 1131 lbs DL

2160 lbs LL
 1131 lbs DL

Total Horizontal Length - 12-00-00

General Data

Version: US Imperial
 Member Type: Floor Beam
 Number of Spans: 1
 Left Cantilever: No
 Right Cantilever: No
 Slope: 0/12
 Tributary: 12-00-00

Live Load: 30 psf
 Dead Load: 15 psf
 Partition Load: 0 psf
 Duration: 100

Disclosure

The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide if you have any questions, please call (800)232-0788 before beginning product installation.

BC CALC®, BC FRAMER®, BCI®, BC RIM BOARD™, BC OSB RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and AJS™ are trademarks of Boise Cascade Corporation.

Load Summary

ID	Description	Load Type	Ref.	start	End	Type	Vdue	Trib.	Dur.
S	Standard Load	Unf. Area	Left	00-00-00	12-00-00	Live Dead	30 psf 15 psf	12-00-00 12-00-00	100% 90%

Controls Summary

Control Type	Vdue	% Allowable	Duration	Load Case	Span Location
Moment	9874 ft-lbs	71.2%	100%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	2857 lbs	45.2%	100%	2	1 - Left
Total Load Defl.	L/281 (0.512")	85.3%		2	1
Live Load Defl.	L/429 (0.336")	84.0%		2	1

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Minimum bearing length for B0 is 1-1/2".
 Minimum bearing length for B1 is 1-1/2".
 Entered/Displayed Horizontal Span Length(s) = Clew Span + 1/2 min. end bearing + 1/2 intermediate bearing