

TO: Inspections
FROM: Jay Reynolds, Development Review Coordinator
DATE: December 19, 2003
RE: C. of O. for #155 Pineloch Drive
(CBL 335G008) (ID 2003-0092)

After visiting the site, I have the following comments:

Unable to verify completion of site improvements:

1. Loam and Seed.
2. Landscaping.
3. Final grading.

I anticipate this work can be completed by **June 1, 2004**.

At this time, I recommend issuing a temporary Certificate of Occupancy.

Please contact me if you have any questions or comments.
Thank You.

Cc: Sarah Hopkins, Development Review Services Manager
Mike Nugent, Inspection Services Manager

File: O:\plan\drc\pineloch155a.doc

STATE OF MAINE CHIMNEY OR FIREPLACE DISCLOSURE

Dear Consumer: State law, specifically 32 M.R.S.A., Chapter 33, requires chimney or fireplace installers, as of January 1, 1992, to provide you with this Disclosure prior to the installation work being done on your chimney or fireplace. The purpose of this Disclosure is to help you, as a consumer, make an informed decision as to the abilities of the installer and under what requirements the installation must comply. It is important to note that the State of Maine does not require registration or licensure of chimney or fireplace installers; however, it is just as important to realize that many fires are caused each year by improperly constructed fireplaces and chimneys. For further information about this law, call the Division of Licensing & Registration at 624-8629 or write to the Division at #35 State House Station, Augusta, Maine 04333.

INSTALLER INFORMATION

Name of Installer Pete Lavelle
 D.B.A. Scarboro Masonry
 Name of Installer (if incorporated) _____
 D.B.A. Scarboro Me
 Legal Address 1 Claverleaf Ln (Street and No.) Scarboro Me (City or Town) _____ (Zip Code)
 _____ (County)
 Home Telephone 207 883 2939 Business Telephone _____
 Years of experience doing fireplace or chimney installations 19

CONSUMER IDENTIFICATION

Consumer's Name River Woods Construction (City or Town) _____
 Mailing Address ~~72 Tide Mill Road~~ (Street and No.) USA (Zip Code) 04102
 Home Telephone 207 253 5516 Business Telephone 207 1329 14535 (State) _____ (County) _____
 Installer, please give a brief description of installation being offered. _____

I, Pete Lavelle, the installer, hereby attest that the preceding information provided is true to the best of my knowledge. I also understand that if I fail to conform with the standards as outlined in NFPA 211 that I shall be subject to penalties as outlined under Title 32, Chapter 33, Oil and Solid Fuel Board.

Signature Pete Lavelle Date 12/19/03

Permit Nbr: 2003-4267 Addr: PINELOCH DR 155 CBL 397 D012001 Appl Date: Issue Date:
 Building Permit Nbr: 0 District: 5 Status: Open
 Owner: RIVER WOOD CONSTRUCTION Res or Comm: R Fee Paid:
 Mail Addr: 72 TIDE MILL RD PORTLAND, ME 04102 Min Fee:

Show Balance Invoice Delete Inv Create Payment

Inv Date: 04/02/2003 Date Pd: 03/31/2003 Amt Pd: \$67.40

Fee Description	Qty	Billed
Panel Main	1.0	\$4.00
Appliance Fan	3.0	\$6.00
Appliance Washing Machine	1.0	\$2.00
Appliance Dishwasher	1.0	\$2.00
Appliance disposal	1.0	\$2.00
Appliance Dryer	1.0	\$2.00
Appliance Range	1.0	\$2.00
Meters	1.0	\$1.00
Services <800 amps - Overhead	1.0	\$15.00
Fixtures Strips	5.0	\$1.00
Fixtures Incandescent	34.0	\$6.80
Outlets Smoke Detector	7.0	\$1.40
Outlets Switches	45.0	\$9.00
Outlets Receptacles	76.0	\$15.20

Invoice No: 8763 Fees: Total Billed: \$69.40

Created By: gg Create Date: 04/02/2003 Mod By: gg Mod Date: 04/02/2003

CreatedBy: gg CreateDate: 04/02/2003 ModBy: gg ModDate: 04/02/2003

Acct Balance	
Deposit	\$0.00
Total Billed	\$69.40
Total Paid	\$67.40
Total Unpaid	\$2.00
Total Unbilled	\$0.00
Acct Balance	\$2.00

02-1396

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.

DEED WOOD WOOD

Location/Address of Construction: <u>LOT 55 Pinebeck Drive PORTLAND ME 04103</u>		Square Footage of Lot
Total Square Footage of Proposed Structure <u>3000.</u>		<u>11,717 SF</u>
Tax Assessor's Chart, Block & Lot Chart# <u>397</u> Block# <u>DOUGS</u> Lot# <u>DOUGS</u>	Owner: <u>JOSEPH H LUONG</u>	Telephone: <u>253 5516</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>72 TIDE MILL RD PORTLAND ME 04102</u>	Cost Of Work: \$ <u>170,000</u> Fee: \$ <u>1573.00</u>
Current use: <u>VACANT</u>	If the location is currently vacant, what was prior use: <u>VACANT LOT</u>	Bldg Fee <u>213,</u> Site Fee <u>300,</u> Call <u>75,</u>
Approximately how long has it been vacant: <u>16 YEARS</u>	Proposed use: <u>SINGLE FAMILY HOUSE</u>	Total <u>1588.00</u>
Project description: <u>28' X 40' w/ a car attached garage</u>	Contractor's name, address & telephone: <u>RIVER WOODS CONT. 72 TIDE MILL RD PORTLAND ME 04102</u>	<u>24' X 26</u>
Who should we contact when the permit is ready: <u>JOE LUONG - 329-4535</u>	Mailing address: <u>xx call</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>329-4535 or 253 5516</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 Official'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: Joseph Luong Luong Date: 12/20/02

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: Riverwood Construction Date: 12/31/02

Address: 155 Pueloch Drive (at 55) C-B-L: 397-D-012

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New Construction # 02-1396

Zone Location - R-2

Interior or corner lot - of Deep Wood Drive

26' x 24'

Proposed Use/Work - Construct New 28' x 42' single family home with attached garage
NO DECKS

(side patio 12' x 26' only)
Not a structure

No Daylight Basement

Sewage Disposal - City

Lot Street Frontage - 50' seg - 100' shown

(Along Deepwood Drive)
Front Yard - 25' min seg - 26' scaled to stairs

Rear Yard - 25' min seg - 28.5' scaled

Side Yard - 14' min seg - 23' shown

Side yard on side st - 20' min seg - 26' scaled

Projections - front entry - ~~2' x 20'~~ rear patio - not a deck - rear fireplace

Width of Lot - 80' seg - ~~88'~~ 88' scaled (between true lch & side ysh)

Height - 35' min - 24.75' scaled

Lot Area - 10,000 sq ft 11,717 sq ft per assessors

Lot Coverage/Impervious Surface - 20% (2343.4 ft² MAX allowed)

Area per Family - 10,000 ft²

3 x 6.5 = 19.50

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

2 x 12 = 24

26 x 32 = 832

20 x 42 = 1176

Loading Bays - NA

Site Plan - minor amend # 2002-0254

Shoreland Zoning/Stream Protection - NA

Flood Plains - Panel 2 - Zone X

205 ft²

City of Portland, Maine - Building or Use Permit

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

Location of Construction:		Permit No:	Date Applied For:	CBL:
155 Pineloch Dr		02-1396	12/20/2002	397 D012001
Business Name:		Owner Address:		
River Woods Construction		72 Tide Mill Rd		
Contractor Name:		Phone:		
River Woods Construction		() 253-5516		
Lessee/Buyer's Name		Contractor Address:		
		72 Tide Mill Road Portland		
Phone:		Permit Type:		
		Single Family		

Proposed Use:	Proposed Project Description:
New Single Family	Construct New 28'x42' Single Family Home w/Attached Garage

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 12/31/2002

Note: 155 Pineloch dr

Ok to Issue:

- 1) No DAYLIGHT BASEMENTS are shown and therefore, no daylight basements have been approved.
- 2) NO REAR DECKS have been shown on any plans. A 12' x 20' PATIO has been shown in the side yard. Please note that at patio is not a built structure. If this patio turns into a built structure, such as a deck, IT SHALL BE REQUIRED to take out a separate permit.
- 3) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 4) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 01/15/2003

Note:

Ok to Issue:

- 1) The enclosed chimney installation disclosure should be completed by the contractor and given to the homeowner.
- 2) Separate permits are required for any electrical or plumbing work.
- 3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

Soil type/Presumptive Load Value (Table 401.4.1)	2500 OK	
Component	Plan Reviewer	Inspection/Date/Findings
STRUCTURAL Footing Dimensions/Depth (Table 403.1.1 & 403.1.1(1), Section 403.1.2)	2 story need 10" wall 8"	* 10" OK 8" OK
Foundation Drainage Dampproofing (Section 406)	2 filter fabric	*
Ventilation (Section 409.1) Crawls Space ONLY	N/A	4 Basement windows
Anchor Bolts/Straps (Section 403.1.4)	If straps - need Spec approval.	*
Lally Column Type, Spacing and footing sizes (Table 502.3.4(2))	12" x 24" solid cont. 24" x 24" x 12 3 1/2 lally	7 1/2" Not to exceed 13" center OK 10'2" Ext Beams OK
Built-Up Wood Center Girder Dimension/Type (Table 502.3.4(2))	3-2x12	* need 2x12 @ stairs * Bearing wall @ stairs OK
Sill/Band Joist Type & Dimensions	2x6 PT	
First Floor Joist Species Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))	2x10 16 O.C.	

Roof Covering (Chapter 9)	ok	
Safety Glazing (Section 308)	ok	
Attic Access (BOCA 1211.1)	?	24x32" ok
Draft Stopping around chimney	note #6 General ok	
Header Schedule	LVL's spec steel spec	will provide 1/14/03 submitted
Type of Heating System	?	oil Furnace ok
Smoke Detectors Location and type/Interconnected	?	B Rooms - protecting each level interconnected ok

See Chimney Summary Checklist

2" Clearance

Stairs Number of Stairways 2 Interior 2 Exterior 2 steps Treads and Risers (Section 314) ? Width 3'6" Headroom ? Guardrails and Handrails (Section 315) ?		Will provide Submitted 1/14/03
Private Garage Section 309 and Section 407 1999 BOCA) Living Space ? (Above or beside)	Above	
Fire separation	OK	
Fire rating of doors to living space	4" OK	
Door Sill elevation (407.5 BOCA)		
Egress Windows (Section 310)		Brand - Egress size Anderson 3'0" x 49"

Second Floor Joist Species Dimensions and Spacing Table(503.3.1(1) & Table 503.3.2(1))	2x10 16 o.c.		
Attic or additional Floor Joist Species Dimensions and Spacing(Table 802.4.2 or 503.3.1(1) & Table 503.3.2(1))	2x8 & 2x6 16 o.c.		
Roof Rafter; Pitch, Span, Spacing & Dimension(Table 802.3.2(7))	12:12 & 10:12 - 5 1/4:12 2x10		
Sheathing; Floor, Wall and roof (Table 503.2.1(1))	3/4" T&G, 1/2" OSB, 1/2" OSB		
Fastener Schedule (Table 602.3(1) & (2))	?	12d & 8d Ledger to Beams Joists hangers	

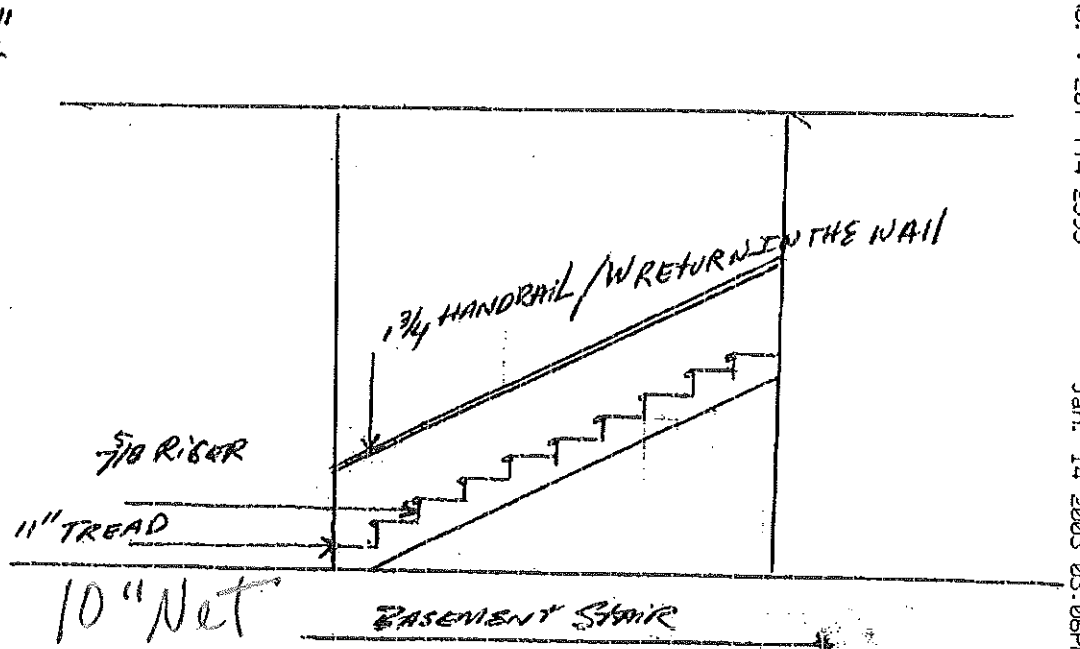
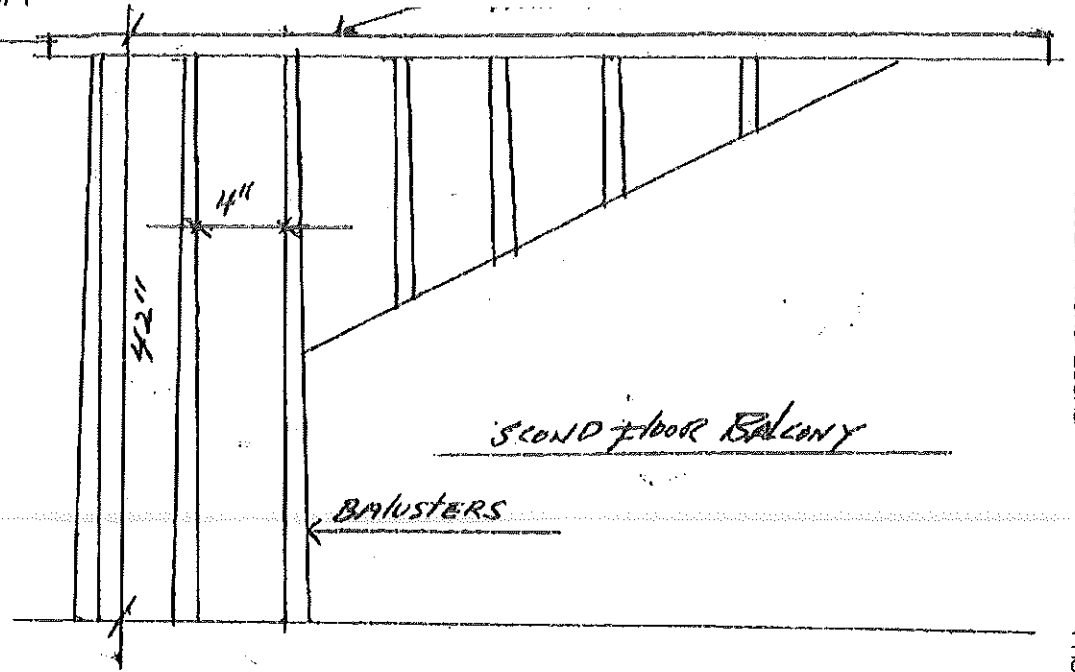
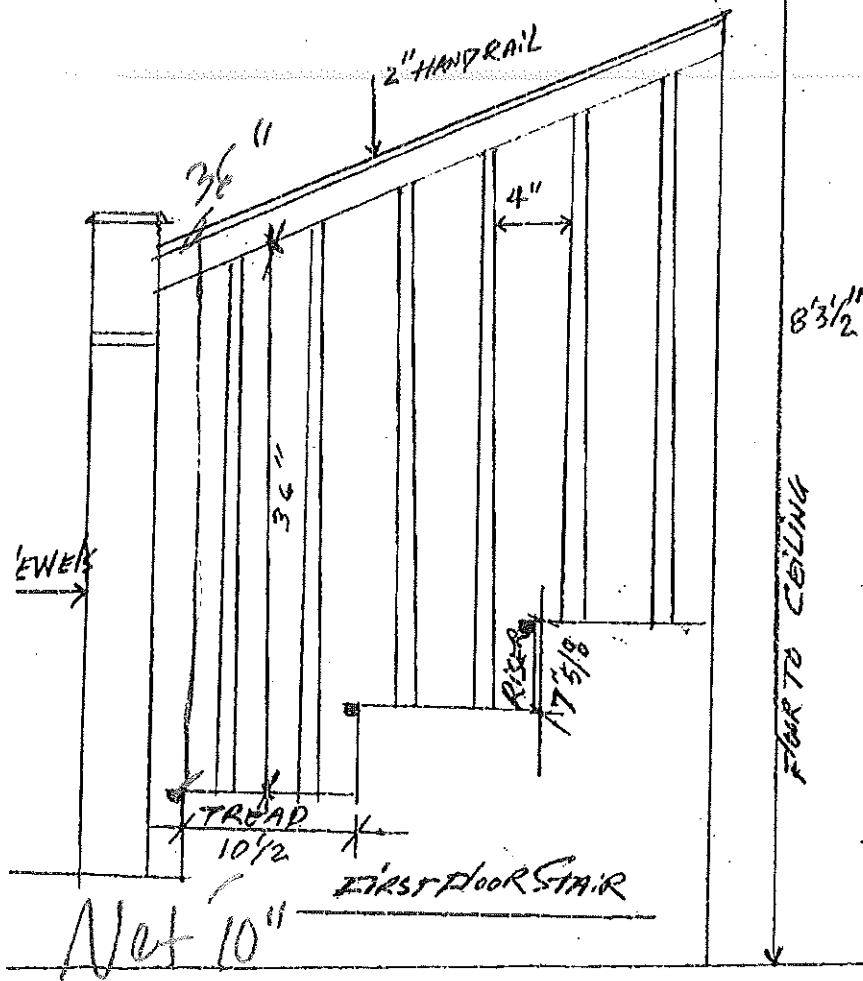
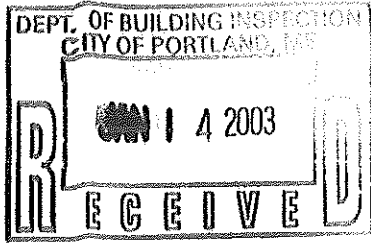
TABLE 1003.1
SUMMARY OF REQUIREMENTS FOR MASONRY FIREPLACES AND CHIMNEYS

ITEM	LETTER	REQUIREMENTS	
		Summary	See Section
Hearth and hearth extension thickness	A	4-inch minimum thickness for hearth.	1003.9.1
Hearth extension (each side of opening)	B	2-inch minimum thickness for hearth extension.	1003.9.2
		8 inches for fireplace opening less than 6 square feet.	
Hearth extension (front of opening)	C	12 inches for fireplace opening greater than or equal to 6 square feet.	1003.10
		16 inches for fireplace opening less than 6 square feet.	
Hearth and hearth extension reinforcing	D	20 inches for fireplace opening greater than or equal to 6 square feet.	1003.10
		Reinforced to carry its own weight and all imposed loads.	
Firebox dimensions	E	20-inch minimum firebox depth.	1003.9
		12-inch minimum firebox depth for Rumford fireplaces.	1003.11
Thickness of wall of firebox	F	10 inches solid masonry or 8 inches where firebrick lining is used.	1003.5
Distance from top of opening to throat	G	8 inches minimum.	1003.7
Smoke chamber			
Wall thickness	H	6 inches lined; 8 inches unlined.	1003.8
Dimensions		Not taller than opening width; walls not inclined more than 45 degrees from vertical for prefabricated smoke chamber linings or 30 degrees from vertical for corbeled masonry.	1003.8.1
Chimney vertical reinforcing ^a	I	Four No. 4 full-length bars for chimney up to 40 inches wide. Add two No. 4 bars for each additional 40 inches or fraction of width, or for each additional flue.	1003.3.1
Chimney horizontal reinforcing ^a	J	1/2-inch ties at each 18 inches, and two ties at each bend in vertical steel.	1003.3.2
Fireplace lintel	K	Noncombustible material with 4-inch load-bearing length of each side of opening.	1003.7
Chimney walls with flue lining	L	4-inch-thick solid masonry with liner.	1001.7;
		1/2-inch grout or airspace between liner and wall.	1001.9
Effective flue area (based on area of fireplace opening and chimney)	M	See Section 1001.12.	1001.12
Clearances			
From chimney	N	2 inches interior, 1 inch exterior.	1001.15
From fireplace		2 inches front, back or sides.	1003.12
Combustible trim or materials		6 inches from opening.	1003.13
Above roof anchorage ^a		3 feet above roof penetration, 2 feet above part of structure within 10 feet.	1001.6
Strap	O	3/16 inch by 1 inch.	
Number		Two.	
Embedment into chimney		12 inches hooked around outer bar with 6-inch extension.	1003.4
Fasten to		Four joists.	
Bolts		Two 1/2-inch diameter.	
Footing			
Thickness	P	12-inch minimum.	1003.2
Width		6 inches each side of fireplace wall.	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 square foot = 0.0929 m², 1 degree = 0.01745 rad.

^a Required only in Seismic Zones 3 and 4.

155 Pine locke



8 3/2"

FOUR TO CEILING

**GARAGE BEAM
JOE LUONG**

Date: 1/09/03 BeamChk 2.2

Choice W15x31 A36 Wide Flange Steel Lateral Support at: Lc = 5.8 ft max.

Conditions

Actual Size is 5-1/2 x 15-7/8 in.

Min Bearing Length R1= 1.1 in. R2= 1.1 in. DL Def 0.09 in. Suggested Center 0.14 in

Date

Beam Span	23.0 ft	Reaction 1	7832 #	Reaction 1 LL	5980 #
Beam Wt per ft	31.0 #	Reaction 2	7832 #	Reaction 2 LL	5980 #
Beam Weight	713 #	Maximum V	7922 #		
Max Moment	45031 #	Max V (Reduced)	N/A		
TL Max Def	L / 240	TL Actual Def	L / 701		
LL Max Def	L / 360	LL Actual Def	L / 918		

Attributes

Section (in ²)	Shear (in ²)	TL Def (in)	LL Def
47.20	4.37	0.39	0.30
22.74	0.54	1.15	0.77
OK	OK	OK	OK
48%	12%	34%	39%

Values

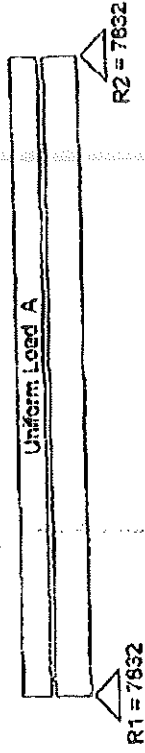
	Fb (psi)	Fv (psi)	E (psi x mil)
Base Value Fy	36000	36000	29.0
Base Adjusted	23760	14400	29.0
YP Factor Lc	0.66	0.40	

Adjustments

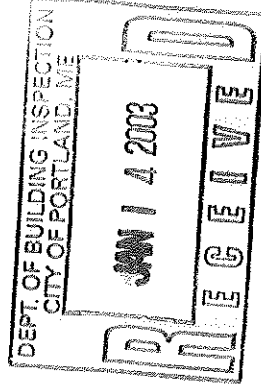
BeamChk has automatically added the beam self-weight into the calculations.

Loads

Uniform TL: 650 = A Uniform LL: 520



Uniform and partial uniform loads are lbs per lineal ft.



BC CALCO 2002 DESIGN REPORT - US

Single 3 1/2" x 9 1/2" VERSA-LAM® 2600 DF

Job Name - JOE LUONG
 Address - COLONIAL RESIDENCE
 City, State, Zip - IC80 5665, NER 442
 Customer -
 Code Reports -

File Name - BC CALCO Project : F801
 Description - FRONT FOYER CEILING HEADER
 Specifier -
 Designer - Manfred Brause
 Company - Hancock Lumber
 Misc -

57

Standard Load - 30 PSF | 10 PSF Tributary 01-00-00

80, 3-1/2"
 503 lbs LL
 248 lbs DL

81, 3-1/2"
 398 lbs LL
 208 lbs DL

Total Horizontal Length - 16-00-00

General Data

Version: US Imperial
 Member Type: - Floor Beam
 Number of Spans: - 1
 Left Cantilever: - No
 Right Cantilever: - No
 Slope: 0/12
 Tributary: 01-00-00
 Repetitive: n/a
 Construction Type: n/a
 Live Load: 30 PSF
 Dead Load: 10 PSF
 Part 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 BC/ISE 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 CALCO® BC FRAMER® BC®
 BC RIM BOARD™, BC OSS RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLUOST® and AJS™ are registered trademarks of Boise Cascade Corporation.

Load Summary

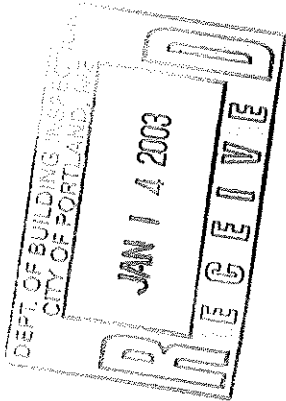
ID	Description	Ref.	Start	End	Live	Dead	Trib.	Dir.
S	Standard	Left	00-00-00	15-00-00	30 PSF	10 PSF	07-00-00	100
1	HEADER PT LOAD	Left	06-00-00	06-00-00	420 lbs	159 lbs	na	100

Control Type	Value	Allowance	Span Location
Moment	3627 ft-lbs	28.6%	1 - Internal
End Shear	712 lbs	11.3%	1 - Left
Total Deflection	1/640 (0.3")	37.5%	2
Live Deflection	1/650 (0.202")	37.9%	2
Max. Defl.	0.3" (Limit: 1")	30.0%	2
Span/Depth	20.2		1

Bearing Supports

Name	Type	Dim. (L x W)	% Allow Support	% Allow Member	Material
B0	Post	3-1/2" x 3-1/2"	8.4%	6.6%	Spruce-Pine-Fir
B1	Post	3-1/2" x 3-1/2"	6.6%	5.5%	Spruce-Pine-Fir

NOTES:
 Design meets Code minimum (L240) Total load deflection criteria.
 Design meets Code minimum (L650) Live load deflection criteria.
 Design meets arbitrary (1") Maximum load deflection criteria.
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing





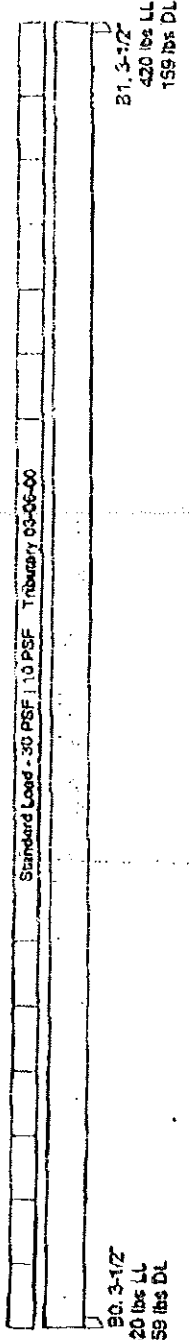
BC CALCO 2002 DESIGN REPORT - US

Thursday, January 09, 2003 15:50

Single 1 3/4" x 9 1/2" VERSA-LAM® 2900 SP

Job Name - JOE LUONG
 Address -
 City, State, Zip -
 Customer - COLONIAL RESIDENCE
 Code reports - IC80 5512, 90CA 98-52, SBCC: 98S2

File Name - BC CALCO Project: F801
 Description - FRONT FOYER CEILING HEADER
 Specifier -
 Designer - Manired Brause
 Company - Hancock Lumber
 Misc -



Total Horizontal Length - 08-00-00

General Data

Version: US Imperial
 Member Type: - Floor Beam
 Number of Spans: - 1
 Left Cantilever: - No
 Right Cantilever: - No
 Slope: 0/12
 Tributary: 03-06-00
 Repetitive: n/a
 Construction Type: n/a

Load Summary

ID	Description	Rel. Left	Start	End	Live	Dead	Trib.	Dur.
S	Standard	Load Type	00-00-00	08-00-00	30 PSF	10 PSF	03-06-00	100
		Umf. Area Load						
		% Allowable	Duration					
		17.7%	@ 100%					
		14.4%	@ 100%					
		13.3%						
		14.5%						
		5.3%						

Controls Summary

Control Type	Value
Moment	1157 ft-lbs
End Shear	654 lbs
Total Deflection	L/1800 (0.053")
Live Deflection	L/2480 (0.035")
Max. Defl.	0.053" (Limit: 1")
Span/Depth	10:1

Bearing Supports

Name	Type	Post	Post	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0	Post			3-1/2" x 1-3/4"	579 lbs	13.0%	11.1%	Spruce-Pine-Fir
B1	Post			3-1/2" x 1-3/4"	579 lbs	13.0%	11.1%	Spruce-Pine-Fir

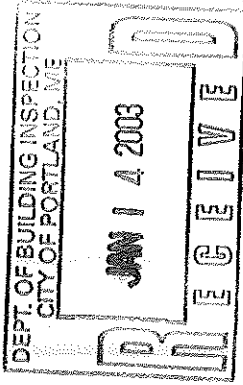
Disclosure

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)232-0786 before beginning product installation.

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 BC RIM BOARD™, BC OSB RIM
 BOARD™, BOISE GLULAM™,
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 VERSA-RIM PLUS®,
 VERSA-STRAND™,
 VERSA-STUD®, ALLOIST® and
 A-US™ are registered trademarks of
 Boise Cascade Corporation.

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.
 Emerged/Deployed Horizontal Span Length(c) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing



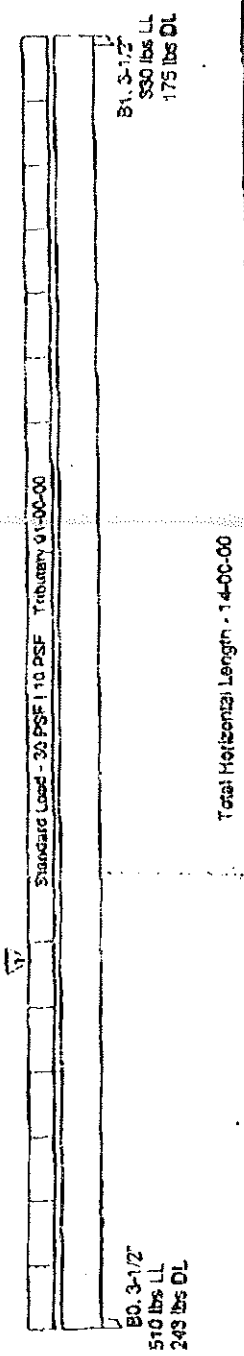


BC CALC@ 2002 DESIGN REPORT - US

Single 3 1/2" x 9 1/2" VERSA-LAM@ 2800 DF

Job Name - JOE LUONG
 Address -
 City, State, Zip -
 Customer - COLONIAL RESIDENCE
 Code reports - ICBO 5683, NER 442

File Name - BC CALC Project: FB01
 Description - FRONT FOYER CEILING HEADER
 Designer - Manfred Brause
 Company - Hancock Lumber
 Misc -



Total Horizontal Length = 14-00-00

General Data		US Imperial	
Version:			
Member Type:	Floor Beam		
Number of Spans:	1		
Left Cantilever:	No		
Right Cantilever:	No		
Slope:	0/12		
Tributary:	01-00-00		
Repetitive:	n/a		
Construction Type:	n/a		
Live Load:	30 PSF		
Dead Load:	10 PSF		
Part Load:	0 PSF		
Duration:	100		

Load Summary		Rel.		Start		End		Live		Dead		Trib.		Dur.	
ID	Description	Standard	Left	Left	Left	00-00-00	04-00-00	14-00-00	30 PSF	10 PSF	01-00-00	100	100	100	100
1	HEADER PT. LOAD					04-00-00	04-00-00	04-00-00	420 lbs	155 lbs	n/a	n/a	n/a	n/a	n/a

Controls Summary		Value		% Allowable		Direction		Loadcase		Span Location	
Control Type	Moment	715 lbs	2625 ft-lbs	20.9%	11.3%	@ 100%	@ 100%	2	2	1 - Internal	1 - Left
End Shear	U977 (0.172)	24.6%						2	2		
Total Deflection	U1452 (0.116)	24.8%						2	2		
Live Deflection	0.172 (Limit: 1)	17.2%						2	2		
Max. Defl.											
Span/Depth	17.7										

Bearing Supports

Name	Type	Post	Post	Post
B0				
B1				

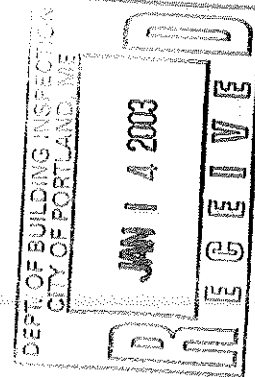
% Allow	% Allow	% Allow
Support	Member	Material
8.5%	6.8%	Spouse-Pine-Fir
5.7%	4.6%	Spouse-Pine-Fir

Value	Value
752 lbs	505 lbs

Discisoure
 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)282-0760 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 AUS™ are registered trademarks of Boise Cascade Corporation.

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.
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing



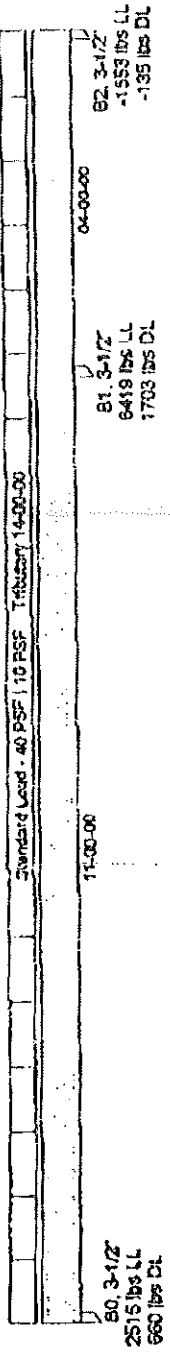


BC CALC® 2002 DESIGN REPORT - US

Single 3 1/2" x 3 1/2" VERSA-LAM® 2800 DF

Job Name - JOE LUONG
 Address -
 City, State, Zip - COLONIAL RESIDENCE
 Customer - ICBD 5653, NER 462
 Date Reports -

File Name - BC CALC Project: F801
 Description - 2ND FL BEDROOM CEILING
 Specifier -
 Designer - Manfred Brause
 Company - Hancock Lumber
 Misc -



Total Horizontal Length: 15.00-00

General Data

Version: US Imperial
 Member Type: - Floor Beam
 Number of Spans: - 2
 Left Cantilever: - No
 Right Cantilever: - No
 Slope: 0/12
 Tributary: 14-00-00
 Repetitive: n/a
 Construction Type: n/a
 Live Load: 40 PSF
 Dead Load: 10 PSF
 Part Load: 0 PSF
 Duration: 115

Load Summary

ID Description: S Standard
 Load Type: Uniform Load
 Ref. Left: 00-00-00
 Ref. Right: 15-00-00
 Start: 00-00-00
 End: 15-00-00
 Duration: @ 115%
 @ 115%
 @ 115%
 % Allowable: 58.8%
 36.0%
 56.2%
 47.7%
 57.0%
 5.3%
 26.3%
 Control Summary
 Control Type Value
 Moment 8237 ft-lbs
 End Shear 261.4 lbs
 Cont. Shear 4085 lbs
 Uplift -1.687 lbs
 Total Deflection: 1/602 (0.263")
 Live Deflection: 1/631 (0.255")
 Total Neg. Defl. -0.026"
 Max. Defl. 0.263" (Limit 1")
 Span/Depth 13.9

Bearing Supports

Name	Type	Dim. (L x W)	Value	% Allow Support	% Allow Members	Material
B0	Post	3-1/2" x 3-1/2"	3175 lbs	35.9%	28.9%	Spruce-Pine-Fir
B1	Post	3-1/2" x 3-1/2"	8122 lbs	91.5%	73.7%	Spruce-Pine-Fir
B2	Post	3-1/2" x 3-1/2"	911 lbs	10.3%	8.3%	Spruce-Pine-Fir

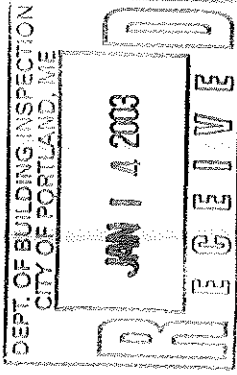
CAUTIONS:

Uplift of -1.687 lbs found at spar 2 - Right

NOTES:

Design meets Code minimum (L240) Total load deflection criteria.
 Design meets Code minimum (L360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum load deflection criteria.
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

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



PERMIT ISSUED

Permit No: 02-1396 Issue Date: JAN 15 2003 CBL: 397 D012001

City of Portland, Maine - Building or Use Permit Application
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Location of Construction: 155 Pine Loch Dr	Owner Name: River Wood Construction	Owner Address: 72 Tide Mill Road Portland	Phone: 453-5516
Business Name:	Contractor Name: River Woods Construction	Contractor Address: 72 Tide Mill Road Portland	Phone: 2073294535
Lessee/Buyer's Name:	Phone:	Permit Type: Single Family	Zone: R-2

Past Use: Vacant Lot	Proposed Use: New Single Family	Permit Fee: \$1,288.00	Cost of Work: \$170,000.00	CEO District: 2
Proposed Project Description: Construct New 28'x42' Single Family Home w/Attached Garage		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Type: SB
		Signature: <i>[Signature]</i>		Use Group: R3

Permit Taken By: gad	Date Applied For: 12/20/2002	Zoning Approval	
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.		Special Zone or Reviews <input type="checkbox"/> Shoreland <i>WA</i>	Zoning Appeal <input type="checkbox"/> Variance
		<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous
2. Building permits do not include plumbing, septic or electrical work.		<input checked="" type="checkbox"/> Flood Zone <i>Flood Zone</i>	<input type="checkbox"/> Conditional Use
		<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation
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.		<input checked="" type="checkbox"/> Site Plan <i># 2002-0254</i>	<input type="checkbox"/> Approved
		<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
		Date: <i>12/20/02</i>	Date: <i>[Signature]</i>

Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		Date: <i>[Signature]</i>	
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: <i>[Signature]</i>		Date: <i>[Signature]</i>	

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

914 8716 253-5516

GREAT ROOM CEILING
JOE LUONG

Choice: W 8x 35 A36 Wide Flange Steel Date: 1/09/03 BeamChk 2.2
 Conditions: Lateral Support at: Lc = 8.5 ft max.

Actual Size is 8 x 9-1/8 in.
 Min Bearing Length R1 = 1.0 in. R2 = 1.0 in. DL Defl 0.10 in. Suggested Camber 0.15 in

Beam Span	15.0 ft	Reaction 1	7088 #	Reaction 1 LL	4725 #
Beam Wt per ft	35.0 #	Reaction 2	7088 #	Reaction 2 LL	4725 #
Beam Weight	525 #	Maximum V	7088 #		
Max Moment	26575 #	Max V (Reduced)	N/A		
TL Max Defl	L / 240	TL Actual Defl	L / 517		
LL Max Defl	L / 360	LL Actual Defl	L / 925		

Attributes

Section (in ²)	Shear (in ²)	TL Defl (in)	LL Defl
31.20	2.52	0.29	0.19
13.42	0.49	0.75	0.50
OK	OK	OK	OK
43%	20%	39%	39%

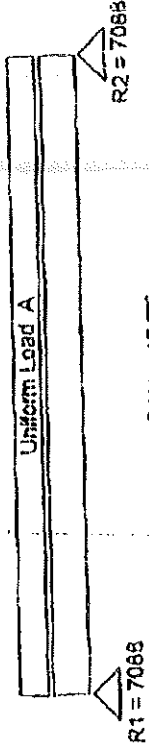
Values

Base Value Fy	36000	Fy (psi)	E (psi x mil)
Base Adjusted	23760	36000	28.0
YP Factor Lc	0.66	14400	29.0
		0.40	

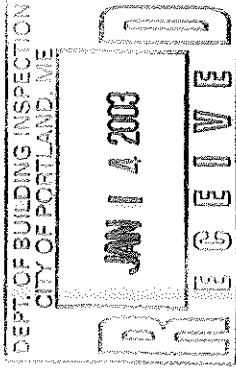
Adjustments

BeamChk has automatically added the beam self-weight into the calculations.

Loads: Uniform TL: 910 = A Uniform LL: 630



Uniform and partial uniform loads are lbs per linear ft.



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

2002-0254
Application I. D. Number

River Wood Construction

Applicant _____

72 Tide Mill Rd , Portland , ME 04102

Applicant's Mailing Address _____

Consultant/Agent _____

Applicant Ph: (207) 320-4535 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

3000 sq. Ft. _____

Proposed Building square Feet or # of Units 11,717 sq. Ft.

Acreeage of Site _____

Zoning _____

Check Review Required:

- Site Plan (major/minor) Subdivision # of lots PAD Review 14-403 Streets Review
- Flood Hazard Shoreland Historic Preservation DEP Local Certification
- Zoning Conditional Use (ZBA/PB) Zoning Variance Other (specify) _____

Fees Paid: Site Pla \$50.00 Subdivision _____ Engineer Review \$250.00 Date 12/20/2002

Building Approval Status:

- 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

- Performance Guarantee Accepted _____ date _____ amount _____ expiration date _____
- Inspection Fee Paid _____ date _____ amount _____
- Building Permit Issue _____ date _____
- Performance Guarantee Reduced _____ date _____ remaining balance _____ signature _____
- Temporary Certificate of Occupancy _____ date _____ Conditions (See Attached) _____ expiration date _____
- Final Inspection _____ date _____ signature _____ expiration date _____
- Certificate Of Occupancy _____ date _____ signature _____
- Performance Guarantee Released _____ date _____ amount _____ signature _____
- Defect Guarantee Submitted _____ submitted date _____ amount _____ expiration date _____
- Defect Guarantee Released _____ date _____ signature _____

WARRANTY DEED

We, JOHN L. HENDRICKS, Of 24062 Avenida Corona Dana Point CA 92629 and JANE K. HENDRICKS Of 5512 North Buckskin Pass Drive, Colorado Springs, CO 80917

for consideration paid, grant to

RIVER WOOD CONSTRUCTION

A Maine corporation with an office and place of business located at 72 Tide Mill Road, Portland, ME 04102, with WARRANTY COVENANTS, the following described real property in Portland, County of Cumberland, and State of Maine:

See Exhibit A attached hereto and made a part hereof

Also hereby conveying all rights, easements, privileges, and appurtenances, belonging to the premises hereinabove described.

WITNESS my hand and seal this 26th day of March, 2002.

John L. Hendricks
John L. Hendricks

WITNESS my hand and seal this 23 day of March, 2002.

Jane K. Hendricks
Jane K. Hendricks

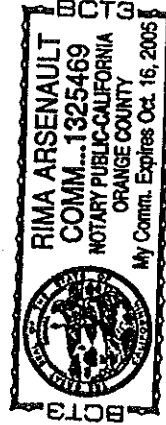
State of California,
County of Orange

State of Colorado
County of El Paso

Personally appeared before me the above-named John L. Hendricks and acknowledged the foregoing instrument to be his free act and deed.

Before me,

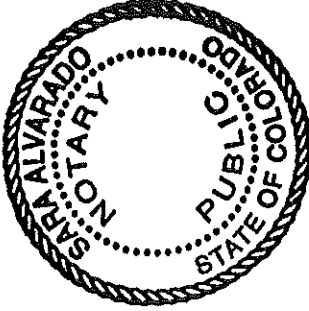
Rima Arsenault
Notary Public: 10-16-05
My Commission Expires:



State of Colorado,
County of El Paso

Personally appeared before me the above-named Jane K. Hendricks and acknowledged the foregoing instrument to be his free act and deed.

Before me,



My Commission Expires 09/13/2005

Sara Alvarado

Notary Public:

My Commission Expires: 09-13-05

EXHIBIT A

Closing Date: April 1, 2002

Borrower(s): River Wood Construction

Property Address: Lot 55, Pineloch Drive, Portland, Maine 04103

A parcel of land located within that part of Portland known as Pineloch Woods and more particularly described as Lot Number 55 on a plan entitled "Recording Plat - Phase III - Pineloch Woods-Allen Avenue-Portland, Maine", dated March 5, 1986 and revised May 12, 1986 and recorded at the Cumberland County Registry of Deeds in Plan Book 162, Page 35. This conveyance is subject to all matters shown on said plan and to the Declaration of Restrictions dated September 24, 1986 and recorded at said Registry of Deeds in Book 7393, Page 115 as affected by the First Supplemental Declaration of Restrictions dated February 10, 1987 and recorded at said Registry in Book 7682, Page 224.

The above-described lot is conveyed together with all appurtenant rights and easements.

For title reference see Deed from Greater Portland Development Group to Jane K. Hendricks and John Lee Hendricks, dated February 10, 1988 and recorded in the Cumberland County Registry of Deeds in Book 8183, Page 317.

RECEIVED
RECORDED REGISTRY OF DEEDS

2002 APR -2 AM 10: 37

CUMBERLAND COUNTY

John B. O'Brien

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

2002-0254
Application i. D. Number

River Wood Construction
Applicant

72 Tide Mill Rd , Portland , ME 04102
Applicant's Mailing Address

155 - 155 Pineloch Dr, Portland, Maine
Address of Proposed Site
397 D012001
Assessor's Reference: Chart-Block-Lot

Pineloch Drive 155 (lot #55)
Project Name/Description

11.717 sq. Ft.
Acreage of Site

Check Review Required:
 Site Plan (major/minor) Subdivision # of lots PAD Review 14-403 Streets Review
 Flood Hazard Shoreland Historic Preservation DEP Local Certification
 Zoning Conditional Use (ZBA/PB) Zoning Variance Other
 Manufacturing Warehouse/Distribution Parking Lot New Building Building Addition Change Of Use Residential Office Retail
 Other (specify)

Fees Paid: Site Plan \$50.00 Subdivision \$250.00 Engineer Review \$250.00 Date 12/20/2002

DRC Approval Status:

Approved Approved w/Conditions See Attached Denied
Reviewer Jay Reynolds

Approval Date 01/09/2003 Approval Expiration 01/09/2004 Extension to Additional Sheets Attached
 Condition Compliance Jay Reynolds signature 01/09/2003 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	expiration date
<input type="checkbox"/> Certificate Of Occupancy	date	signature	
<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	

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

2002-0254

Application I. D. Number

River Wood Construction

Applicant

72 Tide Mill Rd , Portland , ME 04102

Applicant's Mailing Address

12/23/2002

Application Date

Pineloch Drive 155 (lot #55)

Project Name/Description

155 - 155 Pineloch Dr, Portland, Maine

Address of Proposed Site

397 D012001

Assessor's Reference: Chart-Block-Lot

Consultant/Agent

Applicant Ph: (207) 320-4535

Agent Fax:

Applicant or Agent Daytime Telephone, Fax

Approval Conditions of DRC

- 1 All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a Certificate of Occupancy.
- 2 Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.
- 3 Your new street address is now #155 PINELOCH DRIVE, the number must be displayed on the street frontage of your house prior to issuance of a Certificate of Occupancy.
- 4 The Development Review Coordinator (874-8632) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.
- 5 A sewer permit is required for you project. Please contact Carol Merritt at 874-8300, ext . 8822.The Wastewater and Drainage section of Public Works must be notified five (5) working days prior to sewer connection to schedule an inspector for your site.
- 6 A street opening permit(s) is required for your site. Please contact Carol Merritt ay 874-8300, ext. 8822. (Only excavators licensed by the City of Portland are eligible.)
- 7 As-built record information for sewer and stormwater service connections must be submitted to Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy.
- 8 The site contractor shall establish finish grades at the foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.
- 9 The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.

Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE PERMIT ISSUED
CITY OF PORTLAND

Please Read Application And Notes, if ANY, Attached

JAN 15 2003
Permit Number: 021396

CITY OF PORTLAND

BUILDING INSPECTION
PERMIT

This is to certify that River Wood Construction (R
has permission to Construct New 28'x42' Singl
AT 155 Pineloch Dr

Woods Construction
Family Home
Attached Gara
021396 397 D012001

provided that the person or persons, firm or corporation accepting 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.

provided that the person or persons, firm or corporation accepting 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 and work to be done on this permit shall be done in accordance with the rules and regulations of the Department of Public Works. A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

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 _____

Danielle Bouke 1/15/03
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

PLUMBING APPLICATION

Department of Human Sciences
Division of Health Engineering

PROPERTY ADDRESS

Town or Plantation: Portland
 Street: Portland wads
 Subdivision Lot #: 155 Pineclack wads

PROPERTY OWNERS NAME

Last: _____ First: _____
 Applicant Name: JIMINOS P&H
 Mailing Address of Owner/Applicant (If Different): 1407 RIVERSIDE ST PORTLAND ME 04102

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspectors to deny a Permit.

Signature of Owner/Applicant: [Signature] Date: 4/1/13

Signature of Local Plumbing Inspector

Signature of Local Plumbing Inspector

Date Approved

PORTLAND
 Date Permit Issued: 4/1/13 TOWN COPY 8401
 \$ 101810 If Double Fee Charged
 L.P.I. # 360
 Local Plumbing Inspector Signature: [Signature]

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.

PERMIT INFORMATION

This Application is for
 1. NEW PLUMBING
 2. RELOCATED PLUMBING

Type of Structure To Be Served:

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER - SPECIFY _____

Plumbing To Be Installed By:

- MASTER PLUMBER
 - OIL BURNERMAN
 - MFG'D. HOUSING DEALER/MECHANIC
 - PUBLIC UTILITY EMPLOYEE
 - PROPERTY OWNER
- LICENSE # 05683

Hook-Up & Piping Relocation Maximum of 1 Hook-Up

HOOK-UP: to public sewer in those cases where the connection is not regulated and inspected by the local Sanitary District.

OR

HOOK-UP: to an existing subsurface wastewater disposal system.

PIPING RELOCATION: of sanitary lines, drains, and piping without new fixtures.

OR

TRANSFER FEE
(\$6.00)

Type of Fixture	Column 2		Column 1	
	Number	Type of Fixture	Number	Type of Fixture
Hosebibb / Silcock	2		1	Bathtub (and Shower)
Floor Drain			1	Shower (Separate)
Urinal			1	Sink
Drinking Fountain			5	Wash Basin
Indirect Waste			3	Water Closet (Toilet)
Water Treatment Softener, Filter, etc.			1	Clothes Washer
Grease / Oil Separator			1	Dish Washer
Dental Cuspidor			1	Garbage Disposal
Bidet				Laundry Tub
Other: _____				Water Heater
Fixtures (Subtotal) Column 2			14	Fixtures (Subtotal) Column 1
SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE			2	Fixtures (Subtotal) Column 2
			16	Total Fixtures
SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE				Fixture Fee
				Transfer Fee
SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE				Hook-Up & Relocation Fee
				Permit Fee (Total)