

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

BUILDING INSPECTION
PERMIT

PERMIT ISSUED
Permit Number: 060124
MAR 1 2006
CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

This is to certify that PHILBROOK ROBERT W. KEVIN E. TRACY/North Atlantic Cu
has permission to Build a 42' 10" x 42' single family home w/ 2 car garage
AT 295 CAPISIC ST 224 B023001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine 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 procured before this building or part thereof is laid or closed-in. 24 HOUR NOTICE IS 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 _____
DepartmentName

[Signature] 3/1/06
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-0124	Issue Date: FEB 15 2006	ZBL: 224 B023001
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Location of Construction: 295 CAPISIC ST	Owner Name: PHILBROOK ROBERT W & KEVI	Owner Address: 295 CAPISIC ST	Phone:
Business Name:	Contractor Name: North Atlantic Custom Builders, Inc.	Contractor Address: PO Box 19	Phone: 2078313947
Lessee/Buyer's Name	Phone:	Permit Type: Single Family	Zone: RS
Past Use: Vacant Land	Proposed Use: Single Family Home/ Build a 42' 10" x 42' single family home w12 car garage	Permit Fee: \$2,346.00	Cost of Work: \$250,000.00
		CEO District: 3	
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <i>N/A</i>	INSPECTION: Use Group <i>K 3</i> Type <i>SK</i> <i>IRC 2003</i>
		Signature:	Signature:
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
Action <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input checked="" type="checkbox"/> Denied			
		Signature	Date

Permit Taken By: Idobson	Date Applied For: 01/24/2006	Zoning Approval	
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	Special Zone or Reviews	Zoning Appeal	Historic Preservation
1.	<input type="checkbox"/> Shoreland <i>N/A</i>	<input type="checkbox"/> Variance	<input checked="" type="checkbox"/> Not in District or Landmark
2.	<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
3.	<input type="checkbox"/> Flood Zone <i>Zone X - per 12 C</i>	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
	<input checked="" type="checkbox"/> Site Plan <i>2006-0017</i>	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
	Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied <i>ABM</i>
	<i>OK w/ conditions</i>		
	Date: <i>2/7/06 ABM</i>	late	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 _____

Permit #
Permit Date

Generated by REScheck Package Generator

Compliance Certificate

Project Title: 295 Capisic

Report Date: 03/01/106

Energy Code: **2003 IECC**
 Location: **Portland, Maine**
 Construction Type: **Single Family**
 Glazing Area Percentage: **15%**
 Heating Degree Days: **7378**

Construction Site:
295 Capisic

Owner/Agent:

Designer/Contractor:

Compliance: Passes

Assembly	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor
Ceiling:	38.0		
Wall:	19.0	0.0	
Window:			0.310
Door:			0.350
Floor:	21.0		
Furnace: 85 AFUE			

Compliance Statement. The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2003 IECC requirements in the REScheck Package Generator and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Builder/Designer

Company Name

Date

Generated by REScheck Package Generator

Inspection Checklist

Date: 03/01/06

Ceilings:

- Ceiling: R-38.0 cavity insulation

Comments: _____

Note: The ceiling R-values do not assume a raised or oversized truss construction. If the insulation achieves the full insulation thickness over the plate lines of exterior walls, R-30 insulation may be substituted for R-38 insulation and R-38 insulation may be substituted for R-49 insulation. Ceiling R-values represent the sum of cavity insulation plus insulating sheathing (if used).

Above-Grade Walls:

- Wall: R-19.0 cavity insulation

Comments: _____

Note: Wall requirements apply to wood-frame wall constructions. Metal-frame wall or mass (concrete, masonry, log) wall equivalent R-values can be found in the Help User's Guide.

Windows:

- Window: U-factor: 0.310

For windows without labeled U-factors, describe features:

#Panels _____ Frame Type _____ Thermal Break? _____ Yes _____ No

Comments: _____

Note: Up to 1% of the total allowed glazing area may be excluded from the U-value requirement. For example, 3 ft² of decorative glass may be excluded from a building design with 300 ft² of glazing area.

Doors:

- Door: U-factor: 0.350

Comments: Front door exempt

Note: Door U-values must be tested and documented by the manufacturer in accordance with the NFRC test procedure or taken from the door U-factor table in the Help User's Guide. If a door contains glass and an aggregate U-factor rating for that door is not available, include the glass area of the door with your windows and use the opaque door U-factor to determine compliance for the door. One door may be excluded from this requirement (i.e., may have a U-factor greater than 0.35).

Floors:

- Floor: R-21.0 cavity insulation

Comments: _____

Note: The floor requirements apply to floors over unconditioned spaces (such as unconditioned crawlspaces, basements or garages). Floors over outside air must meet the ceiling requirements.

Note: Add an additional R-2 for heated slabs. The insulation must extend 1) down from the top of the slab, or 2) down from the top of the slab to the bottom of the slab and then horizontally underneath the slab, or 3) down from the top of the slab to the bottom of the slab and then horizontally away from the slab, with pavement or at least 10 inches of soil covering the horizontal insulation.

Heating and Cooling Equipment:

- Furnace: : 85 AFUE or higher

Make and Model Number: _____

Air Leakage:

- Joints, penetrations, and all other such openings in the building envelope that are sources of air leakage must be sealed.
 Recessed lights must be 1) Type IC rated, or 2) installed inside an appropriate air-tight assembly with a 0.5" clearance from combustible materials. If non-IC rated, the fixture must be installed with a 3" clearance from insulation.

Skylights:

- Minimum insulation requirement for skylight shafts equal to or greater than 12 inches is R-19

Vapor Retarder:

- Required on the warm-in-winter side of all non-vented framed ceilings, walls, and floors

Materials Identification:

- Materials and equipment must be installed in accordance with the manufacturer's installation instructions.
- Materials and equipment must be identified so that compliance can be determined.
- Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment must be provided
- Insulation R-values, glazing U-factors, and heating equipment efficiency must be clearly marked on the building plans or specifications.
- Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

Duct Insulation:

- Supply ducts in unconditioned attics or outside the building must be insulated to R-8.
- Return ducts in unconditioned attics or outside the building must be insulated to R-4.
- Supply ducts in unconditioned spaces must be insulated to R-8.
- Return ducts in unconditioned spaces (except basements) must be insulated to R-2.
- Where exterior walls are used as plenums, the wall must be insulated to R-8.
- Insulation is not required on return ducts in basements.

Duct Construction:

- Duct connections to flanges of air distribution system equipment must be sealed and mechanically fastened.
- All joints, seams, and connections must be securely fastened with welds, gaskets, mastics (adhesives), mastic-plus-embedded-fabric, or tapes. Tapes and mastics must be rated UL 181A or UL 181B.
Exception: Continuously welded and locking-type longitudinal joints and seams on ducts operating at less than 2 in. w.g. (500 Pa).
- The HVAC system must provide a means for balancing air and water systems.

Temperature Controls:

- Thermostats are required for each separate HVAC system. A manual or automatic means to partially restrict or shut off the heating and/or cooling input to each zone or floor shall be provided.

Service Water Heating:

- Water heaters with vertical pipe risers must have a heat trap on both the inlet and outlet unless the water heater has an integral heat trap or is part of a circulating system.
- Insulate circulating hot water pipes to the levels in Table 1.

Circulating Hot Water Systems:

- Insulate circulating hot water pipes to the levels in Table 1.

Swimming Pools:

- All heated swimming pools must have an on/off heater switch and require a cover unless over 20% of the heating energy is from non-depletable sources. Pool pumps require a time clock.

Heating and Cooling Piping Insulation:

- HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F must be insulated to the levels in Table 2.

Table 1: Minimum Insulation Thickness for Circulating Hot Water Pipes

Heated Water Temperature (°F)	Insulation Thickness in Inches by Pipe Sizes			
	Non-Circulating Runouts		Circulating Mains and Runouts	
	up to 1"	Up to 1.25"	1.5" to 2.0"	Over 2"
170-180	0.5	1.0	1.5	2.0
140-169	0.5	0.5	1.0	1.5
100-139	0.5	0.5	0.5	1.0

Table 2 Minimum Insulation Thickness for HVAC Pipes

Piping System Types	Fluid Temp. Range(°F)	Insulation Thickness in Inches by Pipe Sizes			
		2" Runouts	1" and Less	1.25" to 2.0"	2.5" to 4"
Heating Systems					
Low Pressure/Temperature	201-250	1.0	1.5	1.5	2.0
Low Temperature	106-200	0.5	1.0	1.0	1.5
Steam Condensate (for feed water)	Any	1.0	1.0	1.5	2.0
Cooling Systems					
Chilled Water, Refrigerant and Brine	40-55	0.5	0.5	0.75	1.0
	Below 40	1.0	1.0	1.5	1.5

NOTES TO FIELD: (Building Department Use Only)



General 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>295 Capric Street</u>		
Total Square Footage of Proposed Structure <u>2400 sq ft</u>		Square Footage of Lot <u>29,850 (685 Acres)</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>224 B 23</u>	Owner: <u>Kevin E Tracy + Robert Ph. Brook</u>	Telephone: <u>831-3947</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Kevin Tracy PO Box 1973 Portland ME 04104</u>	Cost Of Work: \$ <u>250,000.00</u> Fee: \$ _____ C of O Fee: \$ <u>2646</u>
Current Specific use: <u>vacant</u> If vacant, what was the previous use? <u>Residential</u> Proposed Specific use: <u>Residential</u> Project description: <u>single Family Home w/2 car garage 42'10" x 42</u>		
Contractor's name, address & telephone: <u>Worth Atlantic Custom Builders Inc. PO Box 1973 Portland ME 04104 207 831 3947</u> Who should we contact when the permit is ready: <u>Kevin Tracy</u> Mailing address: _____ Phone: <u>831 3947</u>		

Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

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: [Signature] Date: Jan 24 2006

This is not a permit; you may not commence ANY work until the permit is issued.

Applicant: Robert W. Philbrook & Twin Tracy

Date: 2/1/06

Address: 295 Capric St.

C-B-L: 224-B-23 (lot split)
permit # 06-0124 *lot on right

CHECK-LIST AGAINST ZONING ORDINANCE

Date - new

Zone Location - R3

Interior or corner lot -

Proposed Use/Work - build new 42'10" x 42 single family home w/ 2 car garage (24 x 24)

Sewage Disposal - city

Lot Street Frontage - 50' min. - 55' scaled

Front Yard - 25' min. - 9' scaled

Rear Yard - 25' min. - 52 scaled

Side Yard - 2 stories - 14' min. - 15' right side scaled
15.25' left side scaled

Projections - 6 x 6 h. 1k head, 11.5 x 12 deck, 6.5 x 19 boat porch

Width of Lot - 65' min. - 74.5 scaled

Height - 35' max. - 35.25'

Lot Area - 6,500 sq ft min. - 11,805 sq ft given

Lot Coverage Impervious Surface - 35% 5202.75 sq ft -

Area per Family - 6,500 sq ft

Off-street Parking - 2 spaces required - 2 car garage OK

Loading Bays - N/A

Site Plan - 2006-0017

Shoreland Zoning/Stream Protection - N/A

Flood Plains - ~~zone C - Panel 12 B~~ zone X - Panel 12 C

$11.5 \times 10 = 115$
 $6.5 \times 19 = 123.5$
 $36.5 \times 30 = 1095$
 $6 \times 2 = 12$
 $6 \times 6 = 36$
 $13 \times 24.75 = 321.75$
 $11 \times 7 = 77$

~~15317.75~~
1796.25

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

2006-0017

Application I. D. Number

Zoning Copy

1/24/2006

Application Date

Marge Schmuckal

Single Family Home

Project Name/Description

Philbrook Robert W &
Applicant

295 Capisic St , Portland, ME 04102

Applicant's Mailing Address

Kevin Tracy

Consultant/Agent

Agent Ph: **(207)831-3947** Agent Fax:

Applicant or Agent Daytime Telephone, Fax

295 - 295 Capisic St, Portland, Maine

Address of Proposed Site

224 B023001

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) _____

2400

Proposed Building square Feet or # of Units

29850

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 **\$50.00** Subdivision _____ Engineer Review **\$250.00** Date **1/26/2006**

Zoning Approval Status:

Reviewer _____

- Approved Approved w/Conditions
See Attached Denied

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

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 | _____ | <input type="checkbox"/> Conditions (See Attached) | _____ |
| | date | | 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 | |

From: Jay Reynolds
To: Single Family Signoff
Date: 2/21/2006 4:02:13 PM
Subject: 295 Capisic Street, CBL 224B023

Approvals with conditions have been entered in urban insight for this application.

Jay Reynolds
Development Review Coordinator
City of Portland Planning Division
(207) 874-8632
jayjr@portlandmaine.gov

from permit 05-1647
(demolition)

Warranty Deed

Sandra W. Philbrook, of the City of Portland, County of Cumberland and State of Maine, for consideration paid, grants to Robert W. Philbrook, of YARMOUTH, County of Cumberland, State of Maine, and North Atlantic Custom Builders, a Maine corporation with a principal place of business in the City of Portland, County of Cumberland and State of Maine, as tenants in common, with WARRANTY COVENANTS the following described premises:

See Attached Exhibit A

Meaning and intending to convey all of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Donald F. Axelson dated August 25, 1972 and recorded at the Cumberland County Registry of Deeds in Book 3288, Page 155, and meaning and intending to convey also a part of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Clyde A. Hersom and Leslie F. Hersom dated October 23, 1970 and recorded at the Cumberland County Registry of Deeds in Book 3148, Page 326.

Sandra W. Philbrook acquired full title to the described premises as the surviving joint tenant of Robert F. Philbrook.

Dated: September 27, 2005

Sandra W. Philbrook
Sandra W. Philbrook

State of Maine
Cumberland, ss.

September 27, 2005

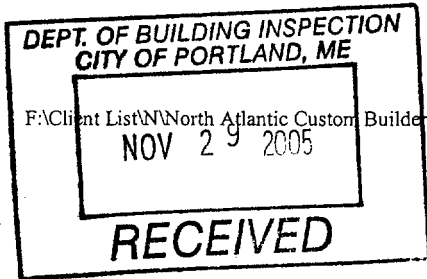
Then personally appeared Sandra W. Philbrook and acknowledged the foregoing instrument to her free act and deed.

Before me,

Theresa A. Forrest
Attorney at Law

SEAL

THERESA A FORREST



F:\Client List\North Atlantic Custom Builders, Inc (PGC)\05 09 21 Warranty Deed Lot 14.Doc

THERESA A. FORREST
NOTARY PUBLIC, STATE OF MAINE
MY COMMISSION EXPIRES JAN. 23, 2008

MAINE REAL ESTATE TAX PAID

This doesn't work

EXHIBIT A - LEGAL DESCRIPTION
C/B/L 224-B-14 } p 23

Commencing on Capisic Street at the northwesterly comer of land formerly of William Seal; thence running northerly along said easterly side of Capisic Street seventy-five (75) feet to the Point of Beginning;

10' Thence proceeding northerly along said easterly side of Capisic Street to the northwesterly comer of land conveyed by Althea A. Vainio to Maurice L. Hersom et al by deed dated July 13, 1964 and recorded in the Cumberland County Registry of Deeds in Book 2836, Page 171;

26' Thence continuing northerly along said easterly side of Capisic Street to an iron pin in the westerly side line of land conveyed by Donald F. Axelson to Robert F. Philbrook and Sandra W. Philbrook by deed dated August 25, 1972 and recorded in said Registry of Deeds in Book 3288, Page 155;

Thence turning and running two hundred (200) feet ^{*easterly*} westerly by said westerly side line of said Philbrook land to an iron pipe;

Thence turning and running sixty-five (65) feet southerly by land conveyed by Guy L. Cronkite to Robert H. Graves, et al. by deed dated April 25, 1968 and recorded in said Registry of Deeds in Book 3037, Page 650 to an iron pipe;

10' Thence continuing along said land of Graves to a point that is seventy-five (75) feet northerly of and distant from the southeasterly comer of land conveyed by Clyde A. Hersom and Leslie F. Hersom to Robert F. Philbrook and Sandra W. Philbrook by deed dated October 23, 1970 and recorded in said Registry of Deeds in Book 3148, Page 326;

200' Thence turning and running parallel to and seventy-five (75) feet northerly of the southerly side line of said Philbrook land to the Point of beginning.

Meaning and intending to convey all of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Donald F. Axelson dated August 25, 1972 and recorded at the Cumberland County Registry of Deeds in Book 3288, Page 155, and meaning and intending to convey also a part of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Clyde A. Hersom and Leslie F. Hersom dated October 23, 1970 and recorded at the Cumberland County Registry of Deeds in Book 3148, Page 326.

Received
Recorded Register of Deeds
Sep 29, 2005 02:44:57P
Cumberland County
John E O'Brien

San permit 05-1647
(1112)

Warranty Deed

Sandra W. Philbrook, of the City of Portland, County of Cumberland and State of Maine, for consideration paid, grants to Robert W. Philbrook, of YARMOUTH, County of Cumberland, State of Maine, and Kevin E. Tracy, of the City of Portland, County of Cumberland and State of Maine, as tenants in common, with WARRANTY COVENANTS the following described premises:

See Attached Exhibit A

Meaning and intending to convey part of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Clyde A. Hersom and Leslie F. Hersom dated October 23, 1970 and recorded at the Cumberland County Registry of Deeds in Book 3148, Page 326.

Sandra W. Philbrook acquired full title to the described premises as the surviving joint tenant of Robert F. Philbrook.

Dated: September 27, 2005

Sandra W. Philbrook
Sandra W. Philbrook

State of Maine
Cumberland, ss.

September 27, 2005

Then personally appeared Sandra W. Philbrook and acknowledged the foregoing instrument to her free act and deed.

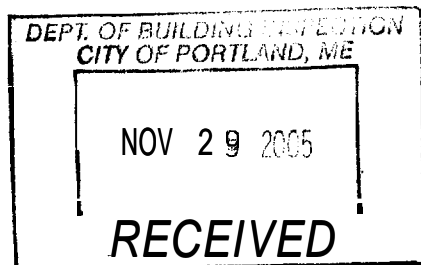
Before me,

Theresa A. Forrest
Attorney at Law

SEAL

THERESA A FORREST

**THERESA A. FORREST
NOTARY PUBLIC, STATE OF MAINE
MY COMMISSION EXPIRES JAN. 23, 2008**



MAINE REAL ESTATE TAX PAID

EXHIBIT A – LEGAL DESCRIPTION
C/B/L 224-B-23 —

A certain lot or parcel of land, with the buildings thereon, situated on the easterly side of Capisic Street, in the City of Portland, County of Cumberland and State of Maine, bounded and described as follows:

Beginning on Capisic Street at the northwesterly corner of land formerly of William Seal; thence running easterly along the northerly side line of said Seal land, a distance of two hundred (200) feet; thence running northerly, on a line parallel with said easterly line of Capisic Street, a distance of seventy-five (75) feet; thence running westerly, on a line parallel with the first bound described herein, a distance of two hundred (200) feet to said easterly side of Capisic Street; thence southerly by said easterly side of Capisic Street, a distance of seventy-five (75) feet to the point of beginning.

Meaning and intending to convey part of the premises conveyed to Robert F. Philbrook and Sandra W. Philbrook by deed of Clyde A. Hersom and Leslie F. Hersom dated October 23, 1970 and recorded at the Cumberland County Registry of Deeds in Book 3148, Page 326.

F:\Client List\North Atlantic Custom Builders, Inc (PGC)\EXHIBIT A Lot 23.Doc

Received
Recorded Register of Deeds
Sep 29 2005 02:43:34P
Cumberland County
John E O'Brien

VERSA-LAM@Floor & Roof Application Tables

GENERAL NOTES

- Continuous lateral support at the top of the beam is assumed
- Minimum 3-inch end bearing or see BC CALC® software requirements
- Bearing length specifications assume bearing across the full width of the beam
Uniform loading is assumed for all tables.
- Multiple member beams require proper connection schedules.
- Dry service conditions are assumed.
- It may be possible to exceed the limitations of this table by analyzing a specific application with the BC CALC® software.

Floor Notes (see pages 5, 6 & 9)

- Floor loads are 40 psf live load and 10 psf dead load
- Deflection is limited to L/360 live load and L/240 total load
- Table based upon either simple or continuous floor joist spans
- Tables assume a wall weight of 100 plf [pages 6, 9]
- Interior floor support may vary a maximum of 4 feet from centerline (page 9)

Roof Notes (see pages 7, 8 & 9)

- Always use roof live and dead loads that meet or exceed the required design loading
- No roof load reductions have been taken.
- Table assumes 2'-0" roof overhang.

Ridge Beam (see page 8)

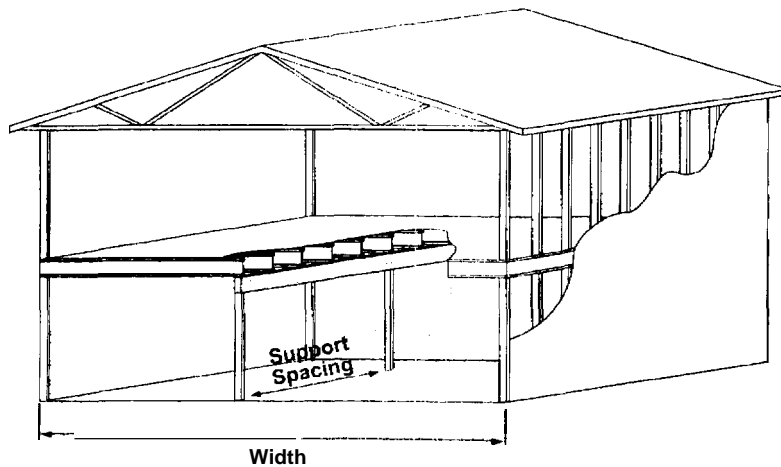
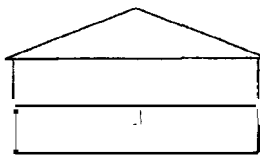
- Deflection is limited to L/240 live load and L/180 total load.
- Table based upon either simple or continuous beam span conditions.

Head Rafter (see page 7)

- Deflection is limited to L/240 live load and L/180 total load.

One Floor Beam Span Table

ATTN:
KEVIN TRACY



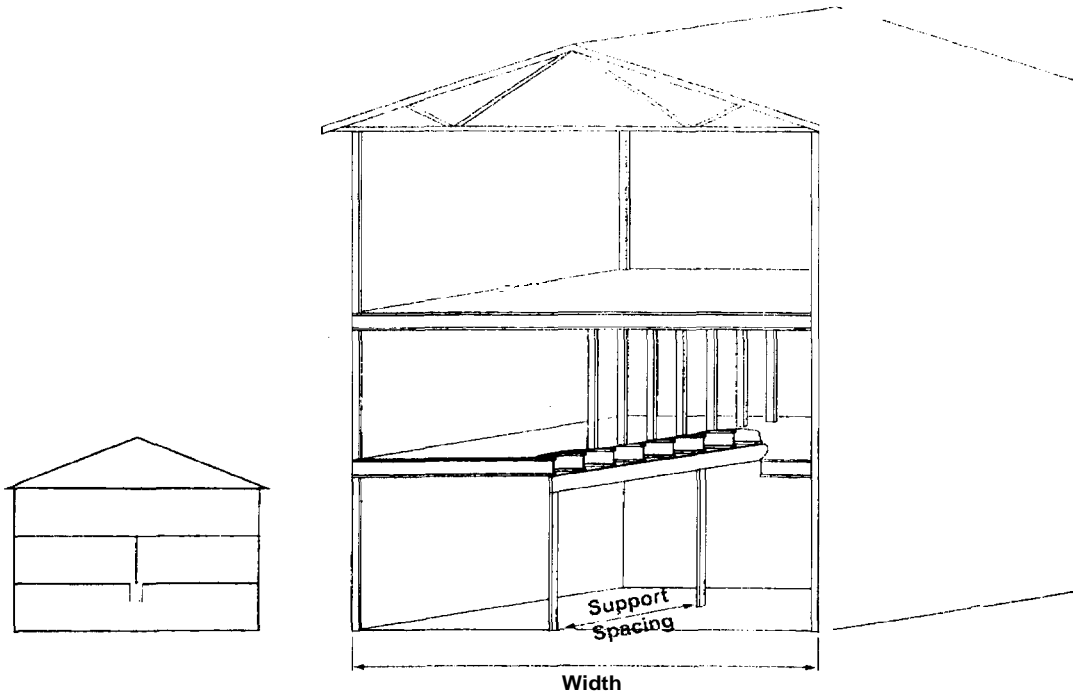
Required Beam Depths and Bearing Lengths [in]

VERSA-LAM 2.0 3100

Load Duration %	Floor Load [psf]		Beam Support Spacing [Feet]	Width of Building Segment [feet]															
	Live	Dead		KEY: Beam Breadth [in] X Beam Depth [in] End Support / Intermediate Support Bearing Length Requirements [in]															
				20	24	26	28	30	32	36	40								
100%	40	10	8	35x725	15/3	35x725	15/3	35x95	15/3	3.5x9.5	15/3	35x95	15/45	3.5x9.5	15/45	35x95	3/45	35x95	3/45
				525x725	15/15	525x725	15/3	525x725	15/3	5.25x7.25	1Y3	5.25x7.25	15/3	5.25x7.25	15/3	5.25x7.25	15/3	5.25x95	15/3
			10	35x95	15/3	3.5x9.5	15/45	3.5x9.5	15/45	3.5x9.5	15/45	35x11875	3/45	35x11875	3/45	35x11875	3/6	35x11875	3/6
				525x95	1Y3	525x95	15/3	525x95	15/3	525x95	15/3	525x95	15/3	5.25x9.5	15/3	525x95	15/45	5.25x8.5	15/45
			12	3.5x11.875	15/4.5	35x11875	3/45	35x11875	3/45	3.5x11.875	3/4.5	3.5x11.875	3/6	3.5x11.875	3/6	35x14	3/6	35x14	3/7.5
				525x95	15/3	5.25x9.5	15/3	525x11875	15/3	525x11875	15/3	525x11875	15/45	525x11875	15/145	5.25x11.875	3/45	5.25x11.875	3/4.5
			14	35x11875	15/145	35x14	3/45	3.5x14	3/6	3.5x14	3/6	35x14	3/6	35x14	3/6	35x16	3/7.5	3.5x16	3/7.5
				525x11875	15/3	5.25x11.875	15/3	5.25x11.875	15/45	5.25x11.875	15/4.5	525x11875	15/45	525x14	3/4.5	5.25x14	3/4.5	525x14	3/6
			16	3.5x14	3/45	3.5x16	3/6	3.5x16	3/6	3.5x16	3/6	3.5x16	3/7.5	3.5x16	3/7.5	3.5x18	4.5/9	3.5x18	4.5/9
				5.25x11.875	15/3	5.25x14	15/145	5.25x14	15/4.5	5.25x14	15/45	525x14	3/45	525x14	3/45	525x16	3/6	5.25x16	3/6
			18	35x16	3/6	3.5x16	3/6	3.5x18	3/7.5	3.5x18	3/7.5	35x18	3/7.5	35x18	4.5/9	525x16	3/6	5.25x18	3/7.5
				525x14	15/145	525x14	3/4.5	5.25x16	3/4.5	525x16	3/4.5	525x16	3/6	525x16	3/6	7x18	3/4.5	7x16	3/6
			20	3.5x18	3/6	3.5x18	3/7.5	5.25x18	3/6	5.25x18	3/6	5.25x18	3/6	5.25x18	3/6	5.25x18	3/7.5	-	-
				525x16	15/4.5	5.25x16	3/4.5	7x16	15/4.5	7x16	15/4.5	7x16	3/45	7x16	3/45	7x18	3/6	7x18	3/6

6

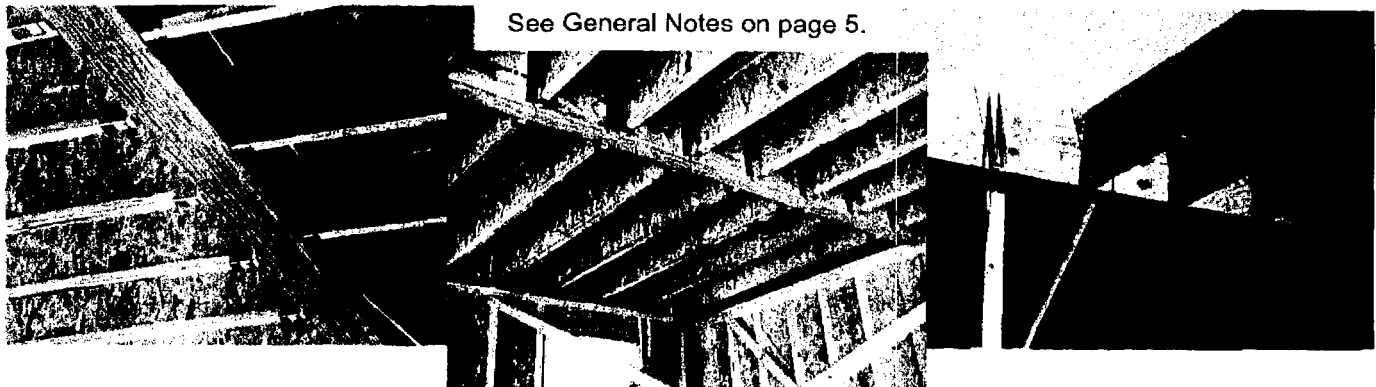
Two Floor Beam Span Tables



Required Beam Depths and Bearing Lengths [in]

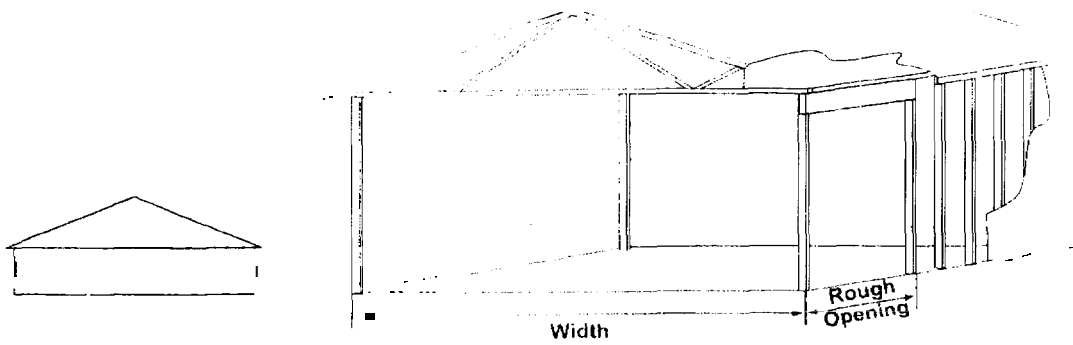
ERSA-LAM 2.02800 or 3100

Load Duration %	Floor Load [psf]		Beam Support Spacing [Feet]	Width of Building Segment [feet]																	
	Live	Dead		KEY: Beam Breadth [in] X Beam Depth [in] End Support / Intermediate Support Bearing Length Requirements [in]																	
				20	24	26	28	30	32	36	40										
100%	40	10	8	3.5 x 9.5	3/4.5	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 11.875	3/7.5	3.5 x 14	3/7.5	3.5 x 14	4.5/9	3.5 x 16	4.5/9		
				5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/4.5	5.25 x 9.5	3/4.5	5.25 x 9.5	3/4.5	5.25 x 9.5	3/4.5	5.25 x 9.5	3/6	5.25 x 11.875	3/6	5.25 x 11.875	3/6	5.25 x 11.875	3/6
			10	3.5 x 11.875	3/6	3.5 x 14	3/7.5	3.5 x 14	3/7.5	3.5 x 14	3/7.5	3.5 x 16	4.5/9	3.5 x 16	4.5/9	3.5 x 18		5.25 x 14	3/7.5		
				5.25 x 9.5	1.5/4.5	5.25 x 11.875	3/4.5	5.25 x 11.875	3/6	5.25 x 11.875	3/6	5.25 x 11.875	3/6	5.25 x 11.875	3/6	5.25 x 14	3/7.5	7 x 11.875	3/6		
			12	3.5 x 14	3/7.5	3.5 x 16	4.5/9	3.5 x 16	4.5/9	3.5 x 18	4.5/9	3.5 x 18		5.25 x 14	3/7.5	5.25 x 16	4.5/9	5.25 x 16	4.5/9	5.25 x 16	4.5/9
				5.25 x 11.875	3/4.5	5.25 x 11.875	3/6	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 14	3/7.5	7 x 11.875	3/6	7 x 14	3/6	7 x 14	3/7.5		
			14	3.5 x 18	4.5/9	3.5 x 18		5.25 x 16	3/7.5	5.25 x 16	3/7.5	5.25 x 16	4.5/9	5.25 x 16	4.5/9	5.25 x 18					
				5.25 x 14	3/6	5.25 x 14	3/7.5	7 x 14	3/6	7 x 14	3/6	7 x 14	3/6	7 x 14	3/7.5	7 x 18	3/7.5	7 x 18	3/7.5	7 x 18	4.5/9
			16	3.5 x 18	4.5/9	5.25 x 16	3/7.5	5.25 x 18	4.5/9	5.25 x 18	4.5/9	5.25 x 18	4.5/9								
				5.25 x 16	3/6	7 x 16	3/6	7 x 16	3/6	7 x 16	3/6	7 x 16	3/7.5	7 x 16	3/7.5	7 x 18	4.5/9	7 x 18	4.5/9	7 x 18	4.5/9
			18	5.25 x 18	3/7.5	5.25 x 18	4.5/9														
				7 x 16	3/6	7 x 16	3/6	7 x 18	3/7.5	7 x 18	3/7.5	7 x 18	3/7.5	7 x 18	4.5/9						
			20																		
				7 x 18	3/6	7 x 18	3/7.5														



See General Notes on page 5.

Roof Header Span Tables



- Minimum end bearing 3 inches or see BC CALC[®] software requirement
- 4.5 inch bearing length required in shaded areas.
- See General Notes on page 5.

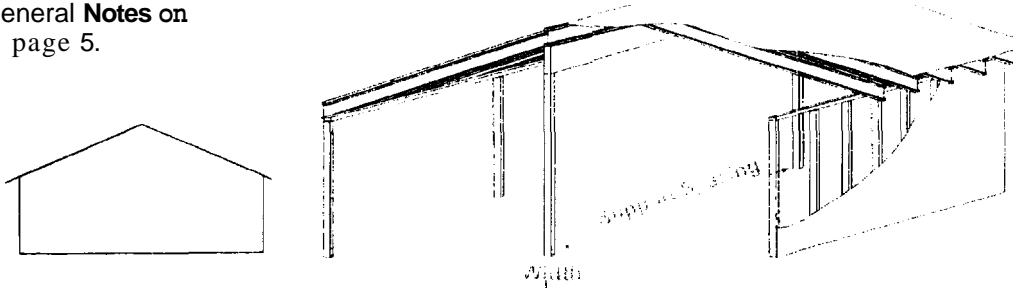
Required Beam Depths and Bearing Lengths [in] VERSA-LAM 2.0 2800 or 3100

Load duration %	Roof Load [psf]		Rough Opening [Feet]	Width of Building Segment [feet]										
	Live	Dead		KEY: Beam Breadth [in] X Beam Depth [in]										
				20	24	26	28	30	32	36	40			
125%	20	15	9	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25		
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	
			12	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	
			16	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	
				5.25 x 9.5	5.25 x 9.5	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	
	18	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14			
		5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14			
	20	20	9	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5		
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	
			12	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
				5.25 x 7.25	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	
16			3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14		
			5.25 x 9.5	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875		
18	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16				
	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14				
115%	20	15	9	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25		
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	
			12	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	
			16	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
				5.25 x 9.5	5.25 x 9.5	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	
		18	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16		
			5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14		
		25	15	9	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5	
					5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25
				12	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875
					5.25 x 7.25	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5
	16			3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
				5.25 x 9.5	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	
	18	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16			
		5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14			
	30	15	9	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5	3.5 x 9.5		
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	
			12	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
				5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	
			16	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	
				5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	
		18	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18		
			5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14		
40		15	9	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5		
				5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	
			12	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	
				5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 11.875	
	16		3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18		
			5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14		
18	3.5 x 14	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	5.25 x 16				
	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 16	7 x 14				
50	15	9	3.5 x 7.25	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875			
			5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 7.25	5.25 x 9.5		
		12	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14		
			5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 9.5	5.25 x 11.875		
		16	3.5 x 14	3.5 x 14	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	3.5 x 18		
			5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 11.875	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 16		
18	3.5 x 16	3.5 x 16	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	5.25 x 16	5.25 x 18				
	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 14	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18				

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Roof Ridge Beam Span Tables

See General Notes on page 5.



Required Beam Depths and Bearing Lengths [in]

VERSA-LAM 2.0 2800 or 3100

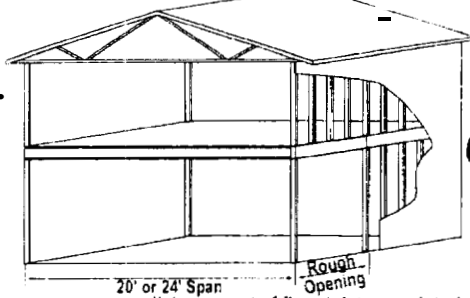
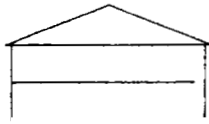
Load Duration %	Roof Load [psf]		Beam Support Spacing [Feet]	Width of Building Segment [feet]																			
	Live	Dead		KEY: Beam Breadth [in] X Beam Depth [in] End Support / Intermediate Support Bearing Length Requirements [in]																			
				20		24		26		28		30		32		36		40					
125%	20	15	12	3.5 x 7.25	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3				
				5.25 x 7.25	1.5/1.5	5.25 x 7.25	1.5/1.5	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3		
			16	3.5 x 9.5	1.5/3	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/3		
				5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3		
			20	3.5 x 11.875	1.5/3	3.5 x 14	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/6		
				5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	3/4.5		
	24	3.5 x 16	1.5/4.5	3.5 x 16	3/4.5	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 18	3/6	3.5 x 18	3/7.5	3.5 x 18	3/7.5				
		5.25 x 14	1.5/3	5.25 x 14	1.5/3	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/6				
	20	20	12	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/3		
				5.25 x 7.25	1.5/1.5	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3		
			16	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/4.5	3.5 x 9.5	1.5/3	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6
				5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5
20			3.5 x 14	1.5/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/7.5	3.5 x 16	3/7.5	3.5 x 16	3/7.5	
			5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	3/4.5	
24	3.5 x 16	3/4.5	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 18	3/6	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/6			
	5.25 x 14	1.5/3	5.25 x 14	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/6	7 x 16	3/4.5			
115%	20	15	12	3.5 x 7.25	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/3		
				5.25 x 7.25	1.5/1.5	5.25 x 7.25	1.5/1.5	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3
			16	3.5 x 9.5	1.5/3	3.5 x 11.875	1.5/3	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 14	3/6	3.5 x 14	3/6
				5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5
			20	3.5 x 11.875	1.5/3	3.5 x 14	1.5/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/4.5	3.5 x 14	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/6
				5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	3/4.5
	24	3.5 x 16	3/4.5	3.5 x 16	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/6		
		5.25 x 14	1.5/3	5.25 x 14	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/4.5	5.25 x 16	3/6		
	30	15	12	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/6	3.5 x 11.875	3/6
				5.25 x 7.25	1.5/3	5.25 x 7.25	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/4.5
			16	3.5 x 11.875	1.5/4.5	3.5 x 11.875	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/7.5
				5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	3/4.5
20			3.5 x 14	3/4.5	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	4.5/9	
			5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	3/4.5	5.25 x 14	3/4.5	5.25 x 14	3/4.5	5.25 x 14	3/6	5.25 x 16	3/6	
24	3.5 x 16	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/7.5			
	5.25 x 14	1.5/4.5	5.25 x 16	1.5/4.5	5.25 x 16	3/4.5	7 x 14	1.5/4.5	7 x 14	1.5/4.5	7 x 14	1.5/4.5	7 x 16	1.5/4.5	7 x 16	1.5/4.5	7 x 16	1.5/4.5	7 x 16	3/6			
40	15	12	3.5 x 9.5	1.5/3	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 9.5	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 11.875	3/6	
			5.25 x 7.25	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/4.5	5.25 x 9.5	1.5/4.5	5.25 x 9.5	1.5/4.5	
		16	3.5 x 11.875	1.5/4.5	3.5 x 11.875	3/4.5	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 16	3/7.5	3.5 x 16	3/7.5	
			5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 11.875	1.5/4.5	5.25 x 14	3/6	
		20	3.5 x 14	3/6	3.5 x 16	3/6	3.5 x 16	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	
			5.25 x 14	1.5/4.5	5.25 x 14	1.5/4.5	5.25 x 14	3/4.5	5.25 x 14	3/4.5	5.25 x 14	3/4.5	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 16	3/7.5	
24	3.5 x 18	3/6	3.5 x 18	3/7.5	5.25 x 16	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/7.5	-	-			
	5.25 x 16	1.5/4.5	5.25 x 16	3/4.5	7 x 16	1.5/4.5	7 x 16	1.5/4.5	7 x 16	1.5/4.5	7 x 16	3/4.5	7 x 16	3/4.5	7 x 16	3/4.5	7 x 16	3/6	7 x 18	3/6			
50	15	12	3.5 x 9.5	1.5/4.5	3.5 x 9.5	3/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/4.5	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 11.875	3/6	3.5 x 14	3/7.5	3.5 x 14	3/7.5	
			5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/3	5.25 x 9.5	1.5/4.5	5.25 x 9.5	1.5/4.5	5.25 x 9.5	1.5/4.5	5.25 x 9.5	1.5/4.5	5.25 x 11.875	3/4.5	
		16	3.5 x 11.875	3/4.5	3.5 x 14	3/6	3.5 x 14	3/6	3.5 x 16	3/6	3.5 x 16	3/6	3.5 x 16	3/7.5	3.5 x 16	3/7.5	3.5 x 16	3/7.5	3.5 x 16	4.5/9	3.5 x 18	4.5/9	
			5.25 x 11.875	1.5/3	5.25 x 11.875	1.5/4.5	5.25 x 11.875	3/4.5	5.25 x 11.875	3/4.5	5.25 x 11.875	3/4.5	5.25 x 11.875	3/4.5	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 14	3/6	5.25 x 14	3/6	
		20	3.5 x 16	3/6	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/7.5	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/6	3.5 x 18	3/7.5	
			5.25 x 14	1.5/4.5	5.25 x 14	3/4.5	5.25 x 14	3/6	7 x 14	1.5/4.5	7 x 14	1.5/4.5	7 x 14	3/4.5	7 x 14	3/4.5	7 x 14	3/4.5	7 x 14	3/4.5	7 x 16	3/6	
24	3.5 x 18	3/7.5	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/6	5.25 x 18	3/7.5			
	5.25 x 16	3/4.5	7 x 16	3/4.5	7 x 16	3/4.5	7 x 16	3/4.5	7 x 16</														

Roof and One Floor Span Tables

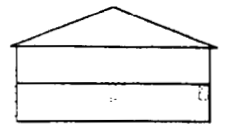
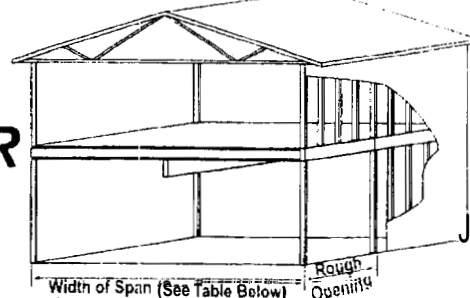
20 & 24 Foot Spans

26 - 40 Foot Spans

See General Notes on page 5.



OR



'Assumes no intermediate support of floor joists

Interior floor support may vary a minimum of 4 feet from centerline.

Required Beam Depths and Bearing Lengths [in]

VERSA-LAM 2.0 2800 or 3100

Load Duration %	Roof Load [psf]		Rough Opening [Feet]	Width of Building Segment [feet]										
	Live	Dead		KEY: Beam Breadth [in] X Beam Depth [in]										
				20	24	26	28	30	32	36	40			
125%	20	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	3.5 x 9.5
			12	3.5 x 11.875	3.5 x 14	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14
			16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18
	20	20	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
			12	3.5 x 11.875	3.5 x 14	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
			16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18	
115%	20	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25		
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
			12	3.5 x 11.875	3.5 x 14	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
			16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18	
	25	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
			12	3.5 x 11.875	3.5 x 14	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
			16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18	
115%	30	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25		
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	
			12	3.5 x 11.875	3.5 x 14	3.5 x 11.875	3.5 x 11.875	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
			16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18	
	40	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5	
			9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	
			12	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	
			16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18	
			18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	
			18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18	
50	15	6	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 7.25	3.5 x 9.5		
		9	3.5 x 9.5	3.5 x 9.5	3.5 x 9.5	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875	3.5 x 11.875		
		12	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14	3.5 x 14		
		16	3.5 x 16	3.5 x 18	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 16	3.5 x 18		
		18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18	3.5 x 18		
		18	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 16	5.25 x 18		

Minimum end bearing 3 inches or see BC CALC software requirement.

4.5 inch bearing length required in shaded areas.

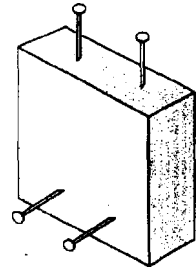
See General Notes on page 5.

VERSA-LAM® Beams

Closest Allowable Nail Spacing

Nail Size	VERSA-LAM® & VERSA-RIM® Products								Nailing Parallel to Glue Lines (Narrow)		Nailing Perpendicular to Glue Lines (Wide Face)	
	VERSA-RIM® 1 1/8"		VERSA-LAM® 1 1/4" Rimboard		VERSA-LAW 1 1/4"		VERSA-LAW 3 1/2" & Wider		All Products			
	O.C. [inches]	End [inches]	O.C. [inches]	End [inches]	O.C. [inches]	End [inches]	O.C. [inches]	End [inches]	O.C. [inches]	End [inches]	O.C. [inches]	End [inches]
8d Box	3	1 1/2	3	1 1/2	2		2	1/2	2	1/2	2	1/2
8d Common	4	3	3	2	3	2	2	1	2	1	2	1
10d & 12d Box	4	3	3	2	3	2	2	1	2	1	2	1
16d Box	4	3	3	2	3	2	2	1	2	1	2	1
10d & 12d Common	6	4	4	3	4	3	2	2	2	2	2	2
16d Sinker	6	4	4	3	4	3	2	2	2	2	2	2
18d Common	6	4	6	4	6	3	2	2	2	2	2	2

Nailing Parallel to Glue Lines (Narrow Face)



Nailing Perpendicular to Glue Lines (Wide Face)

Nailing Notes
1) For 1 1/4" thickness and greater, 2 rows of nails are allowed (use 1/2" minimum offset between rows and stagger nails)

Bearing at Concrete/Masonry Walls

Provide moisture barrier at support and lateral restraint.
1/2" air space required between concrete and wood.

Bearing for door or window header

Strap per code / top plate is not continuous over header.
Trimmers

Sloped seat cut. Not to exceed inside face of bearing.
Provide adequate lateral support

Beam to beam connector

Verify hanger
hanger literature

Bearing at column

VERSA-LAM® column
Note: Drilling permitted for standard connectors.

DO NOT bevel cut VERSA-LAM® beyond inside face of wall without approval from Boise EWP Engineering or BC CALC® software analysis.

Beam framing into wall

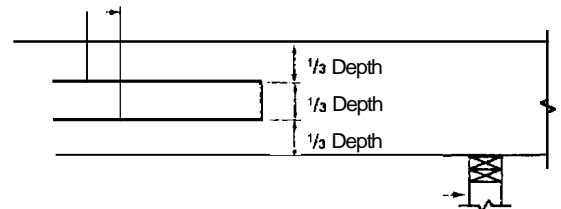
Strap per code if top plate is not continuous

Beam to masonry (or concrete) wall

Wood top plate must be flush with inside of wall
Hanger
Moisture barrier between concrete end wood

Notes

- 1 Square and rectangular holes are not permitted.
- 2 Round holes may be drilled or cut with a hole saw anywhere within the shaded area of the beam
- 3 The horizontal distance between adjacent holes must be at least two times the size of the larger hole



Beam Depth	Max. Hole Diameter
5 1/2"	3/4"
7 1/4"	1"
9 1/4" and greater	2"

6. These limitations apply to holes drilled for plumbing or wiring access only. The size and location of holes drilled for fasteners are governed by the provisions of the *National Design Specification® for Wood Construction*.
7. Beams deflect under load. Size holes to provide clearance where required.
8. This hole chart is valid for beams supporting uniform load only.

Fax # 284-4480

North Atlantic 831-3947

Permit 06-0124

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ONE AND TWO FAMILY	PLAN REVIEW	CHECKLIST
Soil type/Presumptive Load Value (Table R401.4.1)	Submitted Plan	Findings/Revisions/Dates
Component		
STRUCTURAL		
Footing Dimensions/Depth (Table R403.1 & R403.1(1), (Section R403.1 & R403.1.4.1)	44' deep 10" x 20" Footings	
Foundation Drainage, Fabric, Damp proofing (Section R405 & R406)	OK - detail page	
Ventilation/Access (Section E308.1 & E308.3) Crawls Space ONLY	N/A	
Anchor Bolts/Straps, spacing (Section R403.1.6)	OK - detail page	
Lally Column Type (Section R407)		
Girder & Header Spans (Table R 502.5(2))	3-2x12s - OK	
Built-Up Wood Center Girder Dimension/Type	" "	
Sill/Band Joist Type & Dimensions	2x6 PT SILL	
First Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	2x10's 16" oc Max span 15'-5" - OK	OK
Second Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	2x10's 16" oc OK	
Attic or additional Floor Joist Species Dimensions and Spacing (Table R802.4(1) and	NOT SHOWN 2x8's OK	OK

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Factor Penetration		
Type of Heating System		
Means of Egress (Sec R311 & R312)		
Basement /		
Number % Stairways /		
Interior /		
Exterior 0		
Treads and Risers - OK shows	10" x 7 5/8"	
(Section R311.5.3)		
Width (Section R311.5.1)	3' +	
Headroom (Section R311.5.2)	OK 6' 9" x 6"	
Guardrails and Handrails (Section R312 & R311.5.6 - R311.5.6.3)	OK detail	
Smoke Detectors (Section R313)	OK	
Location and type/Interconnected		
Dwelling Unit Separation (Section R317) and IBC - 2003 (Section 1207)	N/A	
Deck Construction (Section R502.2.1)	Rear deck OK -	

Need 2-1x8's Need front porch framing details w/dormer bumpout eave
 Need all spec's on lum beams & LVL's

R802.4(2))			
Pitch, Span, Spacing & Dimension (Table R802.5.1(1) - R 802.5.1(8))			
Roof Rafter; Framing & Connections (Section R802.3 & R802.3.1)	Weld roof Framing plan		
Sheathing; Floor, Wall and roof (Table R503.2.1.1(1))	1/2" Roof 7/16" walls 3/4" Floors		-OK
Fastener Schedule (Table R602.3(1) & (2))	OK		
Private Garage (Section R309) Living Space? (Above or beside)	Yes		
Fire separation (Section R309.2)	OK 3/8" walls + chng		
Opening Protection (Section R309.1)	OK shows 1 hour		
Emerger (Section _____)	OK		
Roof Covering (Chapter 9)	Asphalt - OK		
Safety Glazing (Section R308)	OK		
Attic Access (Section R807)	OK		
Chimney Clearances/Fire Blocking (Chap. 10)	Weld fire blocking		
Header Schedule (Section 502.5(1) & (2))	Not shown		3x2x10's - OK
Energy Efficiency (N1101.2.1) R-Factors of Walls, Floors, Ceilings, Building Envelope, U-	U=0.31 windows		

Roof R-38
Walls R-15
Floor - R-21

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