

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-07-4565-ALTR	Date Applied: 7/30/2012	CBL: 158- B-009-001	
Location of Construction: 36 BROOKSIDE RD	Owner Name: LEONARD & TERRY FREEMAN	Owner Address: 159 HIGH HEAD ROAD HARPSWELL, ME 04079	Phone: 207-751-0900
Business Name:	Contractor Name: John L Wright Carpenter Inc.	Contractor Address: 660 Harpswell Neck RD., Harpswell ME 04079	Phone: (207) 837-1486
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG - Building	Zone: R-3
Past Use: Single family	Proposed Use: Same - Single family - add two single story additions in rear and front porch	Cost of Work: 200000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: R-3 Type: SB Signature: <i>[Signature]</i>
Proposed Project Description: Expansion and renovation of existing house		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Brad		Zoning Approval	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input checked="" type="checkbox"/> Shoreland <i>edge of property @ 250' - structure is beyond</i></p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>APM</i></p>
	<p>2012-11-5340</p> <p><i>OK to CLOSE</i></p> <p><i>NO info required</i></p>		

I hereby certify that I am the owner of record of the property and that I am authorized by the owner to make this application as his authorized agent. If a permit for work described in this application is issued, I certify that the code official's enforcement of the provision of the code(s) applicable to such work shall not be a condition of the permit and that I have been authorized by the owner in addition, if a permit for work described in this application is issued, I certify that the code official's enforcement of the provision of the code(s) applicable to such work shall not be a condition of the permit at any reasonable hour.

I hereby certify that I am the owner of record of the property and that I have been authorized by the owner in addition, if a permit for work described in this application is issued, I certify that the code official's enforcement of the provision of the code(s) applicable to such work shall not be a condition of the permit at any reasonable hour.

SIGNATURE OF APPLICANT

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK

DATE

PHONE

9-21-12 - FTG WITHIN SETBACKS

⊕ - Will measure after wall pour
- Hole ± 6" WATER

10-5-12 GF WP - OK
DT - OK
FF - OK

12-17-12 GF BEAM 3 - 1 PC MICROSLAM - NEED CUT SHEET
HIP ROOF (R) PICS
PLUMBING D.T. VENTING - PASS

4-4-13 GF/SC/SM

PASS

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that LAWRENCE D GETZIN

Located At 36 BROOKSIDE RD

Job ID: 2012-07-4565-ALTR

CBL: 158-B-009-001

has permission to Expansion and renovation of existing house

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 the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

SCANNED

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Required Inspections:

Footings/Setbacks prior to pouring concrete

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Jeff Levine

Job ID: 2012-07-4565-ALTR

Located At: 36 BROOKSIDE RD

CBL: 158- B-009-001

Conditions of Approval:

Zoning

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2. As discussed during the review process, the property must be clearly identified prior to pouring concrete and compliance with the required setbacks must be established. Due to the proximity of the setbacks of the proposed additions, they may be required to be located by a surveyor.
3. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.

Building

1. The installation must comply with the State of Maine gas regulations. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, heating appliances, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
2. Hardwired interconnected battery backup smoke detectors shall be installed in all bedrooms, protecting the bedrooms, and on every level.
3. Application approval based upon information provided by the applicant or design professional. Any deviation from approved plans requires separate review and approval prior to work.
4. The attic scuttle opening must be 22" x 30".
5. Guards must be 36 inches in height with openings less than 4 inches. Graspable rails must be installed on both sides of the stair guard at 34" to 38". Stair treads shall not be less than 10". Stair risers shall not be more than 7-3/4".
6. The design load spec sheets for any engineered beam(s) / Trusses must be submitted to this office.

Fire

All construction shall comply with City Code Chapter 10.

A sprinkler system shall be installed.

All smoke detectors and smoke alarms shall be photoelectric.

Hardwired Carbon Monoxide alarms with battery back up are required on each floor.

A separate no fee One- or Two-family Fire Sprinkler Permit is required.

Sprinkler requirements

The sprinkler system shall be installed in accordance with NFPA 13D. A compliance letter is required.

All control valves shall be supervised in accordance with NFPA 13D. Pad locks shall only be installed on valves designed to be secured in the open position by pad lock.

Application requires State Fire Marshal approval.

front of other
property of Portland
Structure R-3

Enter

7/30/12

(B)



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.

2012 - 07 - 4565 - ALT2

Location/Address of Construction: 36 Brookside Road, Portland, ME 04103		
Total Square Footage of Proposed Structure/Area 2633.5	Square Footage of Lot 9953	Number of Stories 1
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 158 - B - 9	Applicant: (must be owner, lessee or buyer) Name Leonard S. Freeman Address 159 High Head Road City, State & Zip Harpswell, ME 04079	Telephone: (207) 751-0900
Lessee/DBA N/A RECEIVED JUL 30 2012 Dept. of Building Inspections City of Portland Maine	Owner: (if different from applicant) Name Address City, State & Zip	Cost of Work: \$200.00 C of O Fee: \$ Historic Review: \$ Planning Amin.: \$1990 2020.00 Total Fee: \$
Current legal use (i.e. single family) <u>Single Family Dwelling</u> Number of Residential Units <u>1</u> If vacant, what was the previous use? <u>Single Family Dwelling</u> Proposed Specific use: <u>Single Family Dwelling</u> Is property part of a subdivision? <u>No</u> If yes, please name _____ Project description: <u>Expansion and Renovation</u>		
Contractor's name: <u>John L. Wright, Carpenter, Inc.</u> Email: <u>gwright@gwi.net</u> Address: <u>660 Harpswell Neck Road</u> City, State & Zip <u>Harpswell, ME 04079</u> Telephone: <u>(207) 837-1486</u> Who should we contact when the permit is ready: <u>Leonard S. Freeman</u> Telephone: <u>(207) 751-0900</u> Mailing address: <u>159 High Head Road, Harpswell, ME 04079</u>		

Please submit all of the information outlined on the applicable 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 or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

and 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: [Signature] Date: July 30, 2012

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



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Receipts Details:

Tender Information: Check , Check Number: 6456

Tender Amount: 2020.00

Receipt Header:

Cashier Id: bsaucier

Receipt Date: 7/30/2012

Receipt Number: 46454

Receipt Details:

Referance ID:	7436	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	2020.00	Charge Amount:	2020.00
Job ID: Job ID: 2012-07-4565-ALTR - Expansion and renovation of existing house			
Additional Comments: 36 Brookside			

Thank You for your Payment!

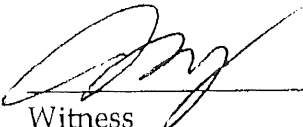
WARRANTY DEED
(Maine Statutory Short Form)

KNOW ALL PERSONS BY THESE PRESENTS, that, Lawrence D. Getzin and Brenda E. Getzin of Concord, New Hampshire, for consideration paid, hereby GRANT to Leonard S. Freeman and Terry S. Freeman, whose mailing address is 159 High Head Road, Harpswell, ME 04079, as joint tenants, with WARRANTY COVENANTS, the land with any buildings thereon situated at 36 Brookside Road, Portland, County of Cumberland and State of Maine, described as follows:

See Attached Exhibit A


Meaning and intending to convey the same premises conveyed to Lawrence D. Getzin and Brenda E. Getzin by virtue of a deed from June E. Harbison dated November 28, 2008 and recorded in the Cumberland County Registry of Deeds in Book 26482, Page 243.

Witness our hands and seals this 19th day of June, 2012.



Witness

Lawrence D. Getzin by Debra V. Dowd
Lawrence D. Getzin *His Attorney In Fact*
By Debra V. Dowd, His Attorney-in-Fact



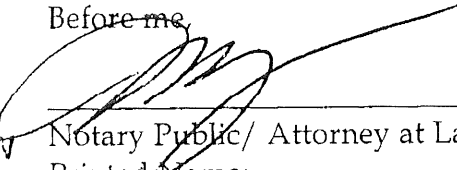
Witness

Brenda E. Getzin by Debra V. Dowd
Brenda E. Getzin *Her Attorney In Fact*
By Debra V. Dowd, Her Attorney-in-Fact

STATE OF MAINE
COUNTY OF Cumberland

June 19th, 2012

Then personally appeared before me the above named Debra V. Dowd, Attorney-in-Fact on behalf of Lawrence D. Getzin and Brenda E. Getzin and acknowledged the foregoing instrument to be their free act and deed.

Before me,


MATTHEW J. MCDONALD
MAINE ATTORNEY AT LAW
Notary Public/ Attorney at Law
Printed Name:
My Comm. Exp:

INCL A

EXHIBIT A

A certain lot or parcel of land, with the buildings thereon, situated on the northeasterly side of Brookside Road, in the City of Portland, County of Cumberland and State Maine, being the greater part of Lot No. 23 and a small part of Lot No, 22, as shown on Plan of Brookside, recorded in Cumberland County Registry of Deeds, in Plan Book 38, Page 53, and further bounded and described as follows:

Beginning on said Brookside Road at the southeasterly corner of land conveyed by Benson & Grant Co. to Edmond J. Beaulieu, Jr. et al;

Thence southeasterly by Brookside Road fifteen (15) feet to an angle;

Thence continuing southeasterly by Brookside Road eighty-five (85) feet to a stake situated five (5) feet southeasterly from the most southeasterly corner of said Lot No. 23;

Thence northeasterly at right angles with said road one hundred (100) feet to the line of Lot 30 on said plan;

Thence northwesterly by said Lot No. 30 ninety-three and ninety-two hundredths (93.92) feet¹ more or less, to the northeasterly corner of said Beaulieu land;

Thence southwesterly by said Beaulieu land ninety-nine (99) feet, more or less, to Brookside Road at the point of beginning.

R3

lot size 9953 sq ft

front yard - 25' min - 725 sq ft

rear - 25' min - 215 sq ft

side - 8' min - 11'5" min - 214 sq ft

40' - 10'5" min on left side

1st coverage 35% = 3463 sq ft

existing house = 2018

proposed - 7' x 21' = 147

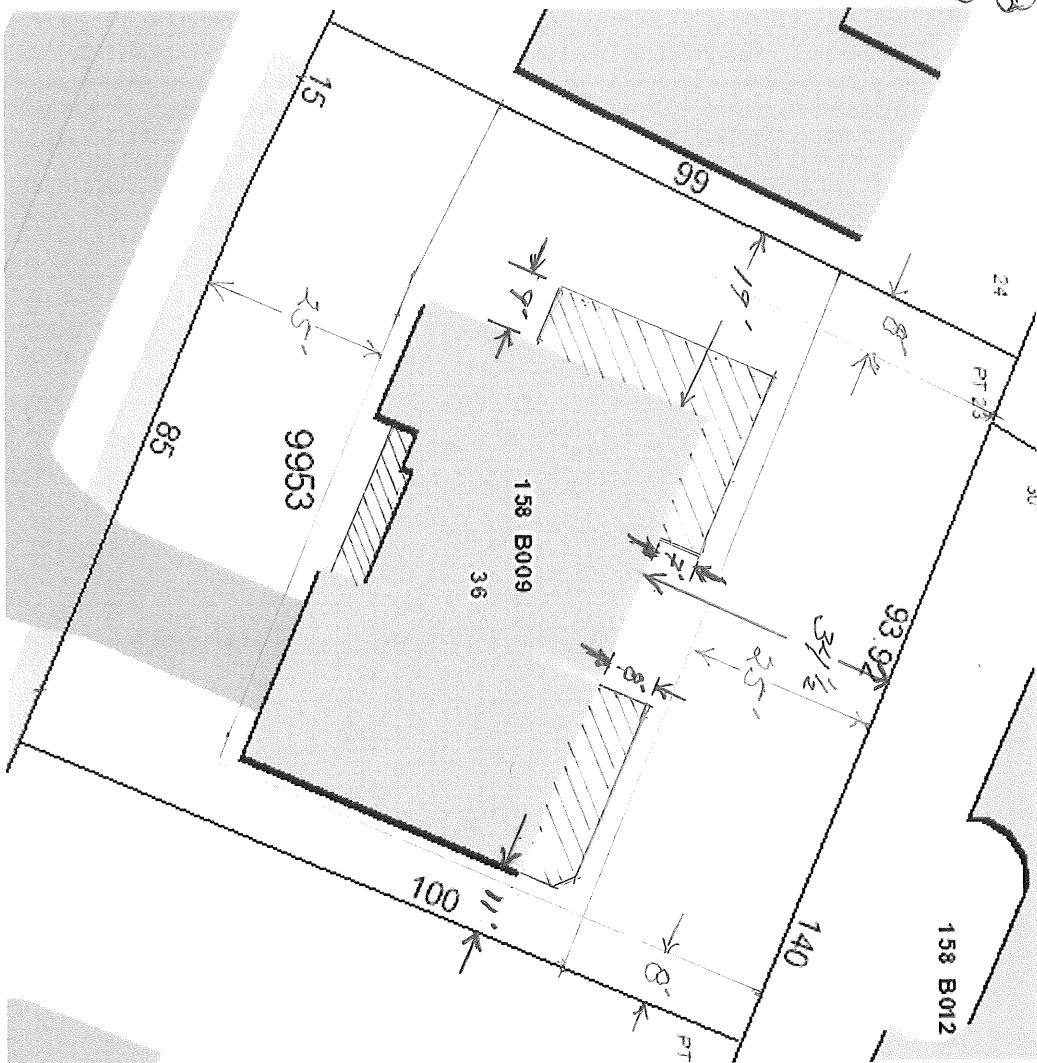
8' x 28' = 224

14' x 6' = 84

2018 + 140 = 3418

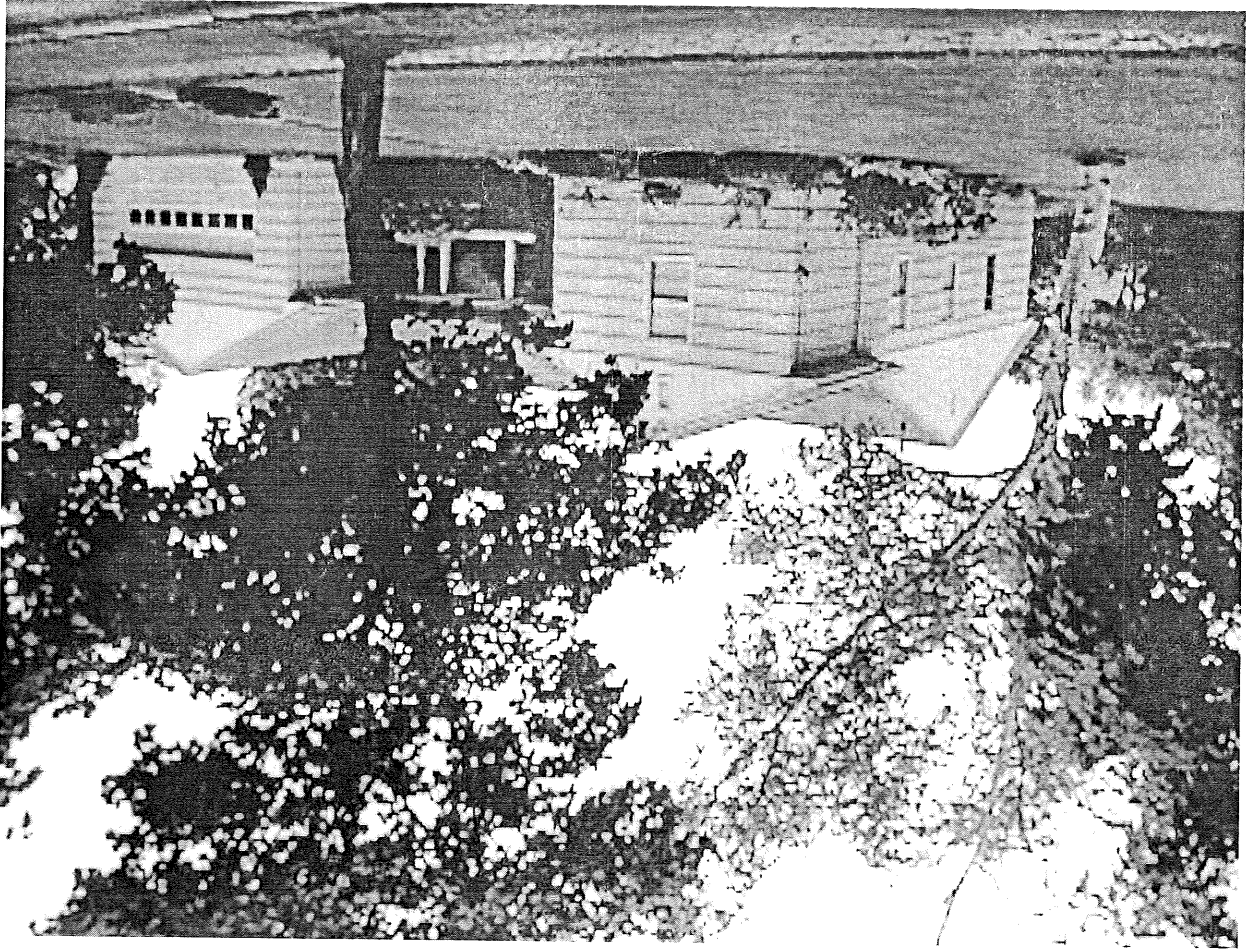
611 sq ft

Inset B



Plot Plan
36 Brookside Road

TACEL D
pg 1

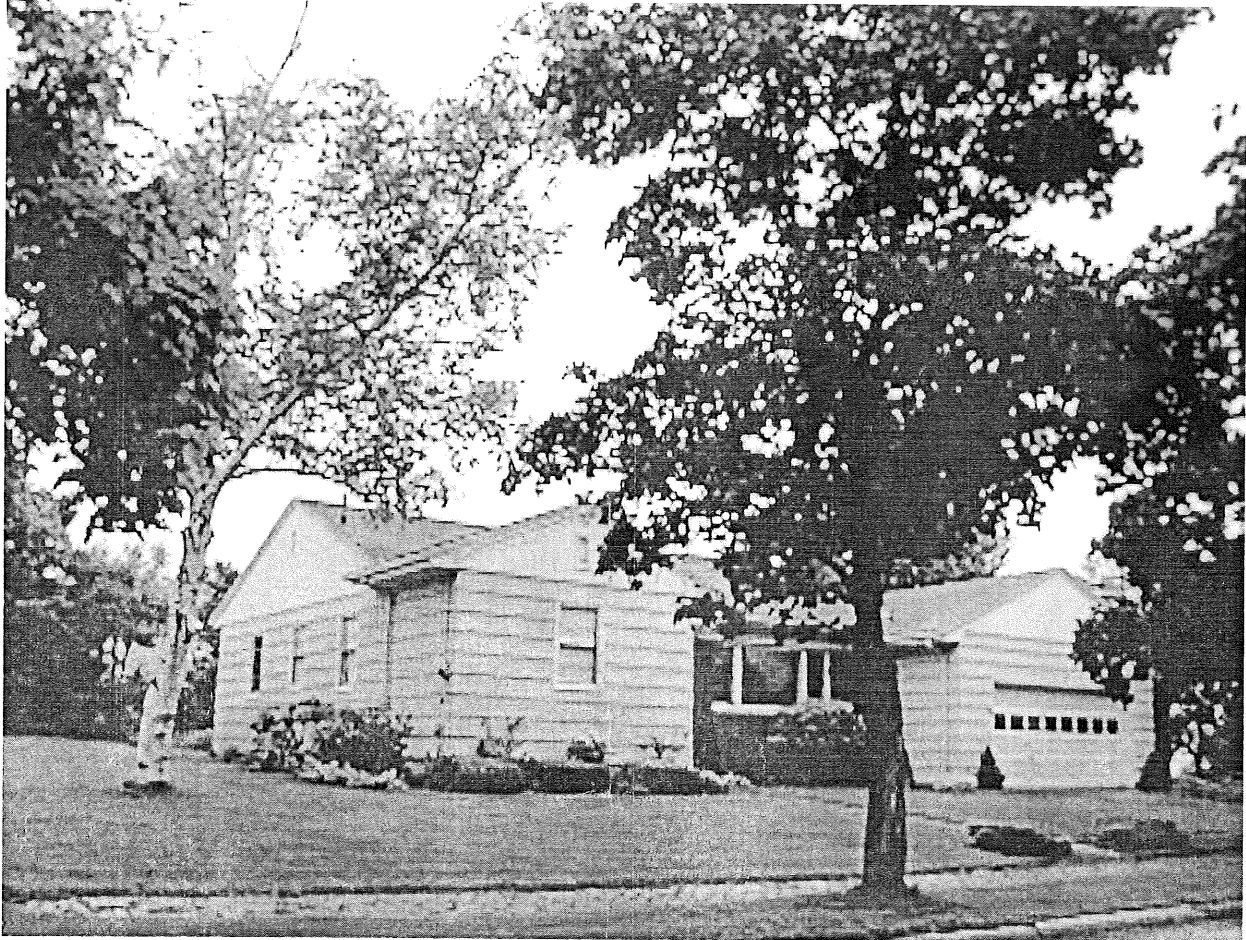


EXISTING
ELEVATION
PHOTO
(FRONT)

36 Brookside Road

36 Brookside Road

EXISTING
ELEVATION PHOTO
(FRONT)



INCL D pg 1

October 4, 2012

George Froehlich
Code Enforcement Officer
City of Portland

Re: 36 Brookside Road

A condition of my building permit was the requirement to provide spec sheets for the engineered beams.

Here are the sheets.

The identifiers Beam A, Beam B, etc. refer to the beams shown on the plan drawing and Enclosure E of my permit application.

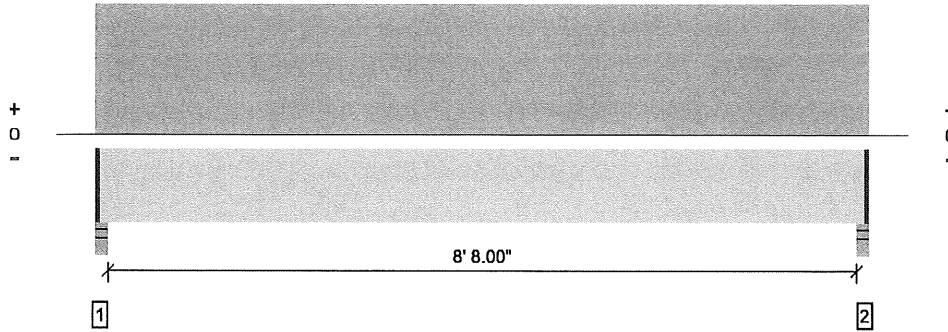
If you have any questions please contact me at 751-0900 or my builder, John Wright at 837-1486

Thank you.


Len Freeman

RECEIVED
OCT 04 2012
Dept. of Building Inspections
City of Portland Maine

Overall Length: 9' 3.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1545 @ 2.00"	1595	Passed (97%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1143 @ 1' 3.38"	3948	Passed (29%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	3396 @ 4' 7.50"	8924	Passed (38%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (In)	0.077 @ 4' 7.50"	0.223	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (In)	0.125 @ 4' 7.50"	0.446	Passed (L/859)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 9' 0.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	2.18"	609	971	1580	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	2.18"	609	971	1580	1 1/4" Rim Board

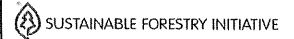
- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 9' 3.00"	10' 6.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

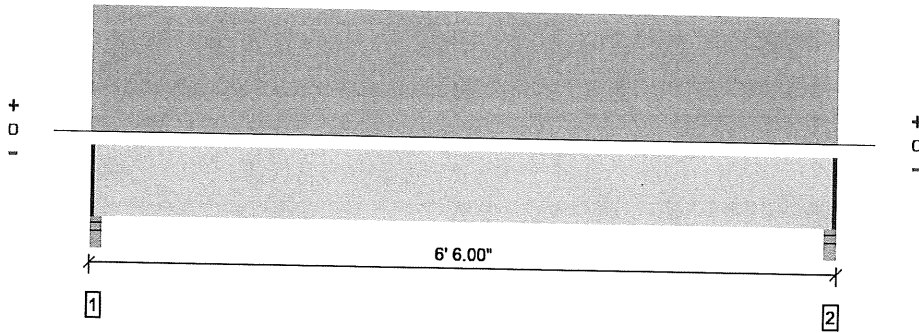
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

2 piece(s) 2 x 8 Spruce-Pine-Fir No. 1 / No. 2 BEAM B

Overall Length: 6' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1427 @ 2.00"	2734	Passed (52%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1068 @ 10.75"	1958	Passed (55%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	2156 @ 3' 3.00"	2300	Passed (94%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.068 @ 3' 3.00"	0.154	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.111 @ 3' 3.00"	0.308	Passed (L/669)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 6' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	563	910	1473	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	563	910	1473	1 1/4" Rim Board

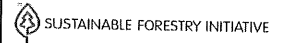
• Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 6' 6.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

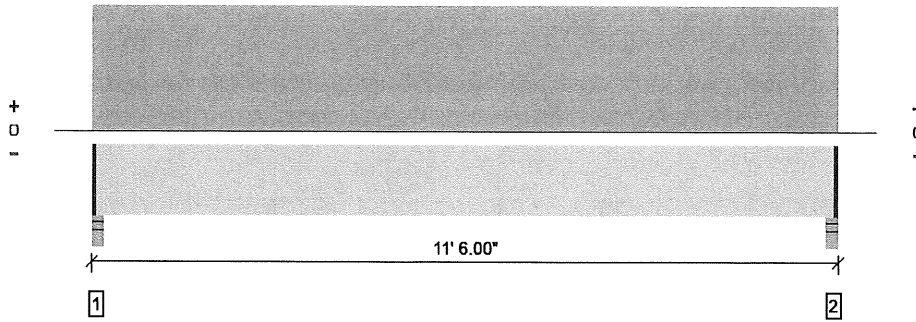
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber { 20 } 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

9/21/2012 5:47:54 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te

Overall Length: 11' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2594 @ 2.00"	3189	Passed (81%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	2053 @ 1' 3.38"	7897	Passed (26%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	7162 @ 5' 9.00"	17848	Passed (40%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.118 @ 5' 9.00"	0.279	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.194 @ 5' 9.00"	0.558	Passed (L/690)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 11' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.83"	1031	1610	2641	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.83"	1031	1610	2641	1 1/4" Rim Board

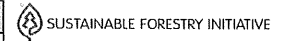
- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 11' 6.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

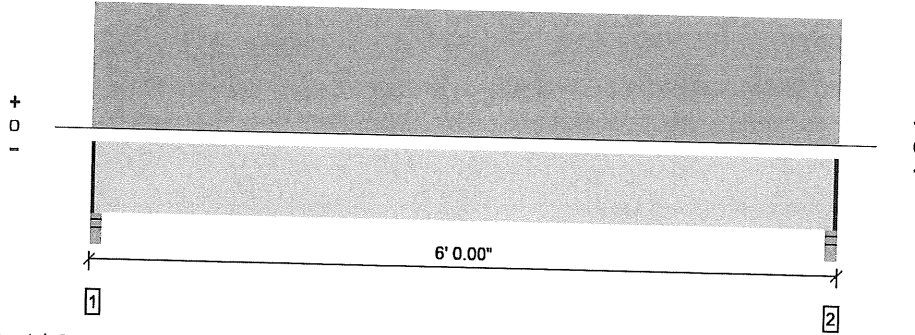
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

2 piece(s) 2 x 8 Spruce-Pine-Fir No. 1 / No. 2 BEAM D

Overall Length: 6' 0.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1313 @ 2.00"	2734	Passed (48%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	954 @ 10.75"	1958	Passed (49%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	1820 @ 3' 0.00"	2300	Passed (79%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.049 @ 3'	0.142	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.079 @ 3' 0.00"	0.283	Passed (L/862)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 5' 9.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	520	840	1360	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	520	840	1360	1 1/4" Rim Board

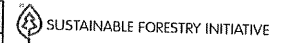
• Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 6' 0.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

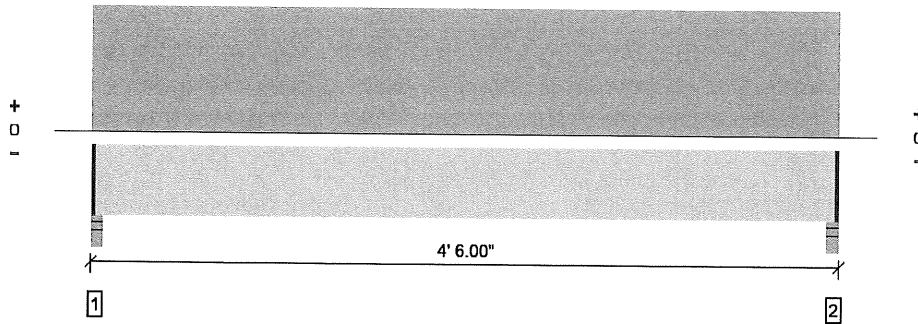
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

2 piece(s) 2 x 6 Spruce-Pine-Fir No. 1 / No. 2
BEAM E

Overall Length: 4' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	558 @ 2.00"	2734	Passed (20%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	390 @ 9.00"	1485	Passed (26%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	565 @ 2' 3.00"	1434	Passed (39%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.019 @ 2' 3.00"	0.104	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.030 @ 2' 3.00"	0.208	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 4' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	225	360	585	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	225	360	585	1 1/4" Rim Board

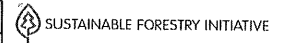
- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 4' 6.00"	8' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

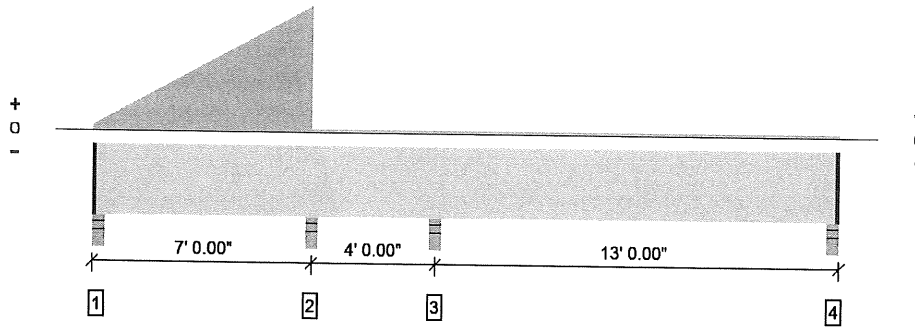
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

 9/21/2012 5:48:38 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te

Overall Length: 24' 0.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2134 @ 7' 0.00"	4961	Passed (43%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1545 @ 6' 3.00"	5544	Passed (28%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	-2358 @ 11' 0.00"	6403	Passed (37%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.030 @ 3' 5.60"	0.171	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.263 @ 18' 0.00"	0.642	Passed (L/586)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

* Deflection criteria: LL (L/480) and TL (L/240).

* Bracing (Lu): All compression edges (top and bottom) must be braced at 23' 9.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	831	322	1153	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	3.50"	1.51"	990	1144	2134	None
3 - Stud wall - HF	3.50"	3.50"	1.50"	1867	-213	1867/-213	None
4 - Stud wall - HF	3.50"	2.25"	1.50"	810	7	817	1 1/4" Rim Board

* Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 24' 0.00"	12' 0.00"	12.0	-	bump out ceiling
2 - Tapered(PLF)	0 to 7' 0.00"	N/A	0.0 to 90.0	0.0 to 360.0	hip rafters
3 - Uniform(PSF)	0 to 7' 0.00"	8' 0.00"	10.0	-	kitchen ceiling

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Plan



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine 04103

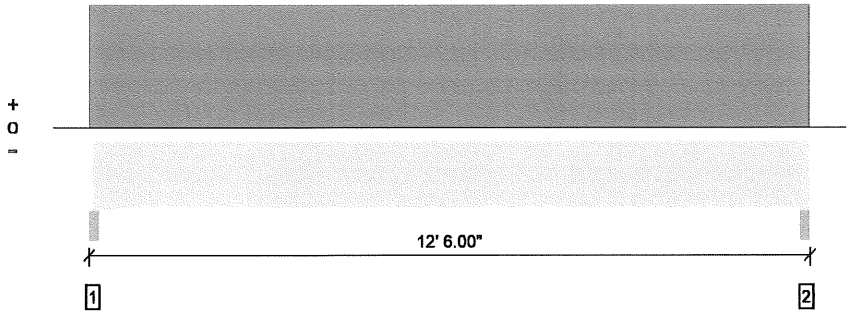
 9/20/2012 10:16:57 AM
 Forte v3.5, Design Engine: V5.5.3.2



MEMBER REPORT Level, Ceiling: Beam"G"
1 piece(s) 5 1/4" x 9 1/2" 2.0E Parallam® PSL

PASSED

Overall Length: 12' 6.00"



RECEIVED
 DEC 18 2012
 Dept. of Building Inspections
 City of Portland Maine

All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3172 @ 1.50"	11419	Passed (28%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2644 @ 1' 0.50"	11089	Passed (24%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	9521 @ 6' 3.00"	22523	Passed (42%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.259 @ 6' 3.00"	0.306	Passed (L/568)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.365 @ 6' 3.00"	0.613	Passed (L/403)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 6.00" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Trimmer - HF	3.00"	3.00"	1.50"	922	438	2250	3610	None
2 - Trimmer - HF	3.00"	3.00"	1.50"	922	438	2250	3610	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 12' 6.00"	3' 6.00"	12.0	20.0	-	ceiling load
2 - Uniform(PSF)	0 to 12' 6.00"	6' 0.00"	15.0	-	60.0	Roof Load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



As Built Beam "G"

158 B009

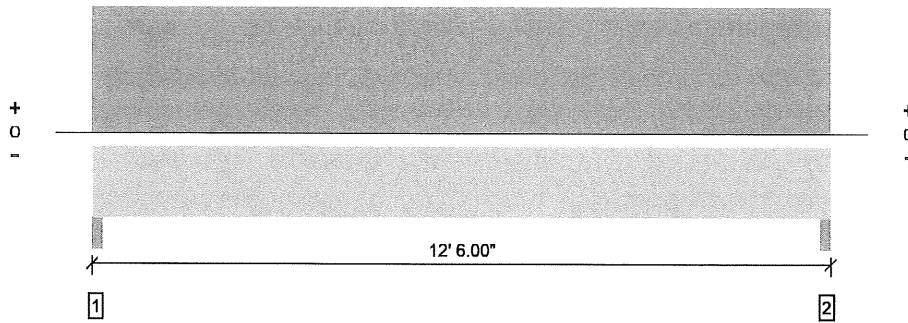
Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

12/18/2012 1:46:14 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te

36 BROOKSIDE

3 piece(s) 1 3/4" x 11 7/8" 1.9E Microllam® LVL BEAM G

Overall Length: 12' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3183 @ 1.50"	11419	Passed (28%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2551 @ 1' 2.88"	13622	Passed (19%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	9552 @ 6' 3.00"	30788	Passed (31%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.144 @ 6' 3.00"	0.306	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.204 @ 6' 3.00"	0.613	Passed (L/721)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- * Deflection criteria: LL (L/480) and TL (L/240).
- * Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 6.00" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

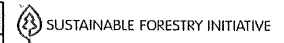
Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None
2 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 12' 6.00"	3' 6.00"	12.0	20.0	-	ceiling load
2 - Uniform(PSF)	0 to 12' 6.00"	6' 0.00"	15.0	-	60.0	Roof Load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

TRAIL D p. 2

EXISTING
ELEVATION
PHOTO
(12EAB)

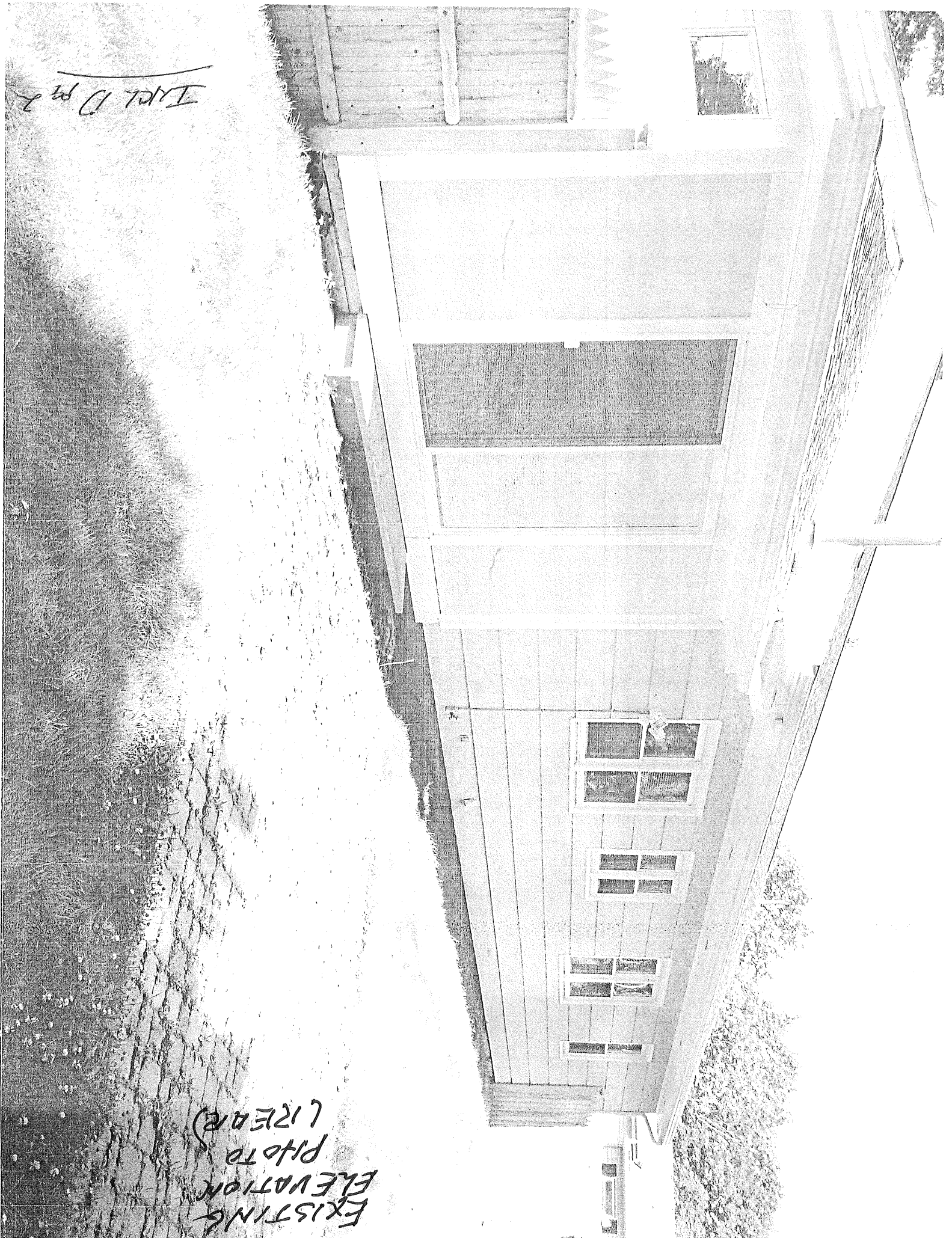


Table D pg. 2



EXISTING
ELEVATION
PHOTO
(REAR)

Notes for Structural Beams
Drawing 1 of 4

See notes on Drawing (1of 4) for beam locations and sizing.

Beam "A"

2- 1 $\frac{3}{4}$ " x 11 $\frac{7}{8}$ " lvs. Ceiling joist support, 14' span with support at 5'-4".
Attach new and existing ceiling joists with metal connectors (joist hangers).
Posts 4"x4".

Beam "B"

3- 2 x 10's load bearing wall 6'-6" span.
No disruption to ceiling joists.

Beam "C"

2- 1 $\frac{3}{4}$ " x 11 $\frac{7}{8}$ " lvs. Ceiling joist support, 11'-6" span.
Install new ceiling joists in kitchen to new beam. Attach new and existing ceiling joists
with metal connectors (joist hangers). Posts 4"x4".

Beam "D"

3- 2 x10's load bearing wall, 6' span.
No disruption to ceiling joists.

Beam "E"

2- 2 x 10's load bearing wall, 4'-6" span.
Opening into existing wall.

Beam "F"

2- 1 $\frac{3}{4}$ " x 11 $\frac{7}{8}$ " lvs. Ceiling joist support , 7' span.
Attach new ceiling joists with metal connectors (joist hangers).

Beam "G"

3- 1 $\frac{3}{4}$ " x 11 $\frac{7}{8}$ " lvs. Window header, 12' span.
Double up jacks (2- 2x6's at each end).

All other load bearing headers in new and existing work 2x10's.

INCL E

Notes for Section Plan
(Drawing 4 of 4)

Joists:

2x10, 16" o.c., with ¾" T&G OSB subfloor

Finish floor:

¾" hardwood

Walls:

2x6, 16" O.C.

Exterior: 7/16" zip system sheathing with prefinished cedar shingles

Interior: ½" gypsum board

Ceiling:

2x6 joists, 16" O.C. with 1x3 strapping 16" O.C.

Finish: ½" gypsum board

Roof:

2x8 rafters, 16" O.C. with 5/8" plywood sheathing and self-adhering bituminous membrane on eaves & valleys

Synthetic roof underlayment & 30-year laminated shingles

All new hips and valleys 1 3/4" x11 7/8" LVLs

Ridges 2x10

Inch C

Notes for Egress, Fire, Sound

Egress

Master bedroom- 3-0x6-8 door to back yard

Bedroom #2 - two 3-0x4-6 windows facing street

Fire separation

Common wall with garage is currently fire rated. New work in this area to be 5/8" fire rated gypsum board.

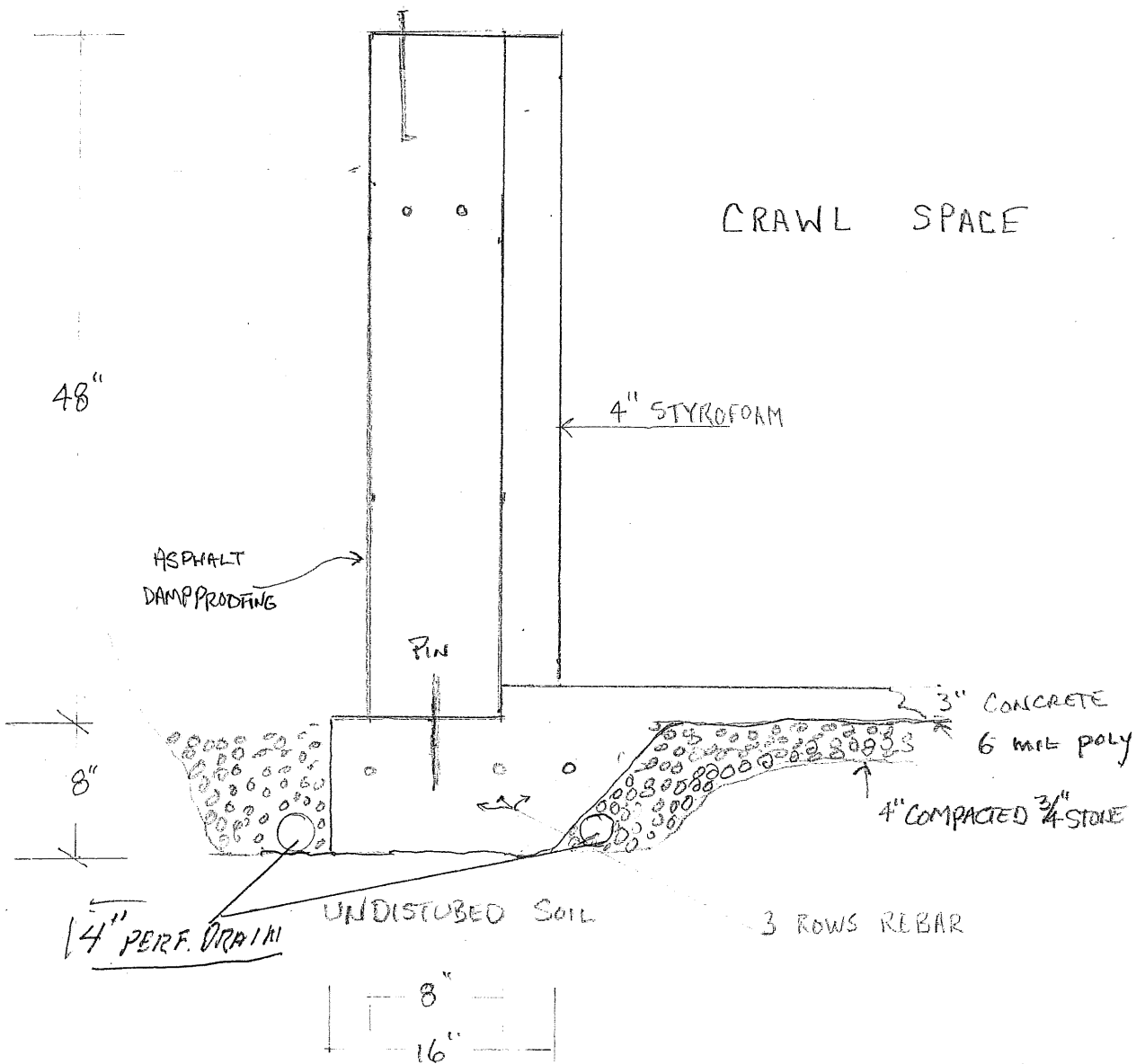
Sound transmission

Bathroom walls to be fiberglass insulated.

Jack G

FREE MAN
FOUNDATION SECTION
1" = 1'

CONTINUOUS SLAB / FOOTER
WITH SINGLE POUR

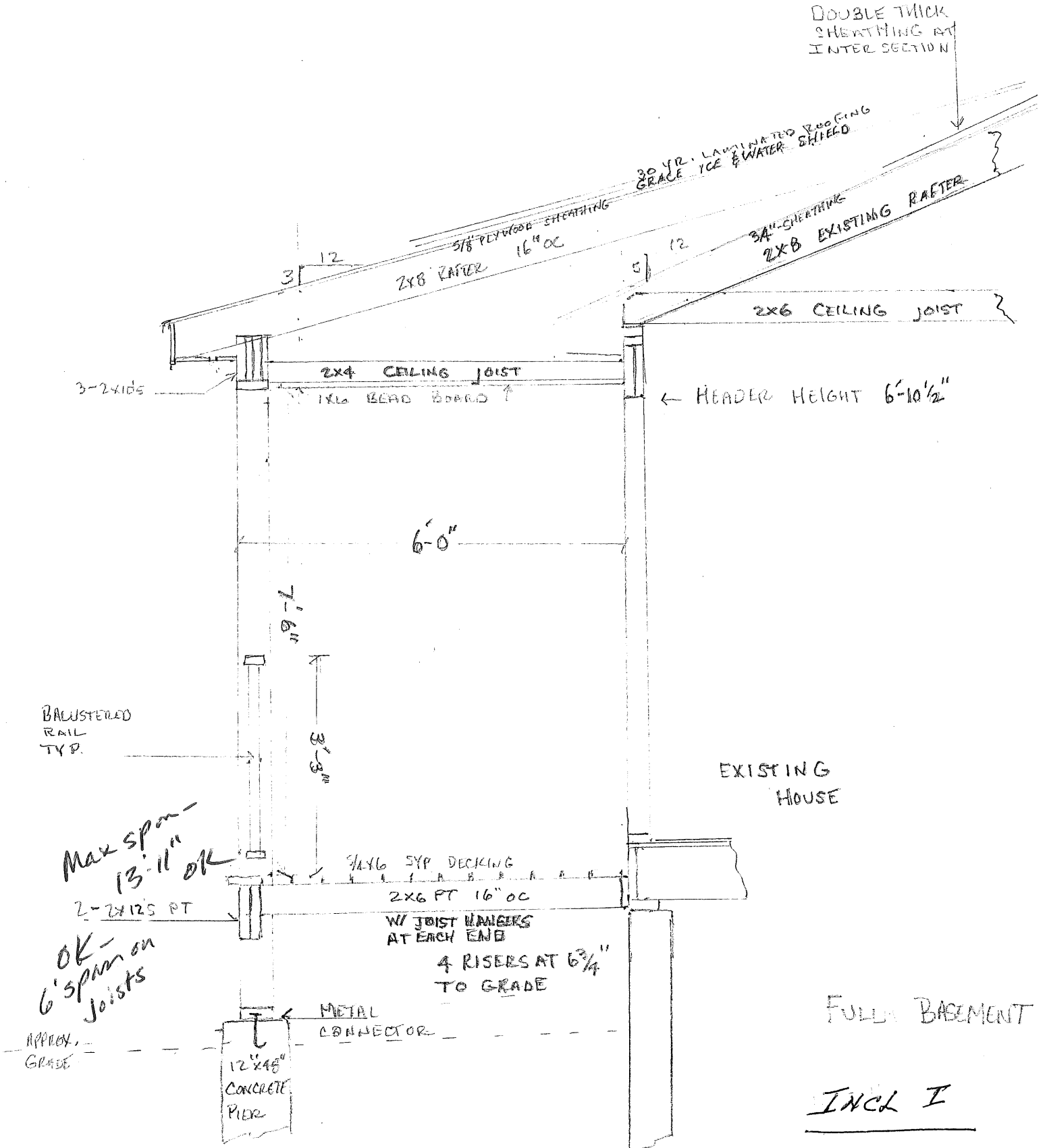


INCL F

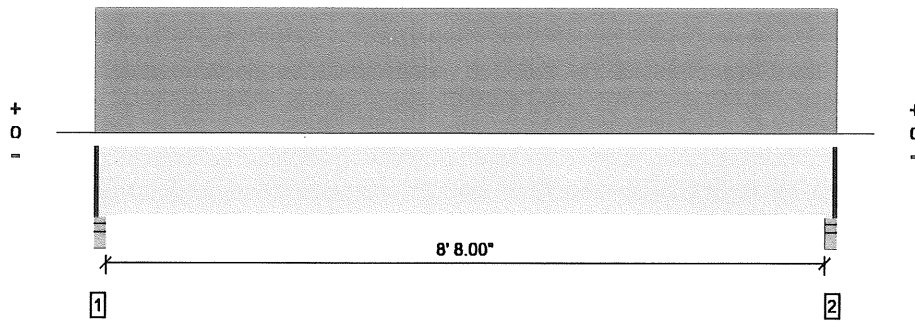
FREEMAN

PROPOSED PORCH SECTION

1/2" = 1'



Overall Length: 9' 3.00"



36 Brookside
 1583009

All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1545 @ 2.00"	1595	Passed (97%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1143 @ 1' 3.38"	3948	Passed (29%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	3396 @ 4' 7.50"	8924	Passed (38%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.077 @ 4' 7.50"	0.223	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.125 @ 4' 7.50"	0.446	Passed (L/859)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 9' 0.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	2.18"	609	971	1580	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	2.18"	609	971	1580	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 9' 3.00"	10' 6.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

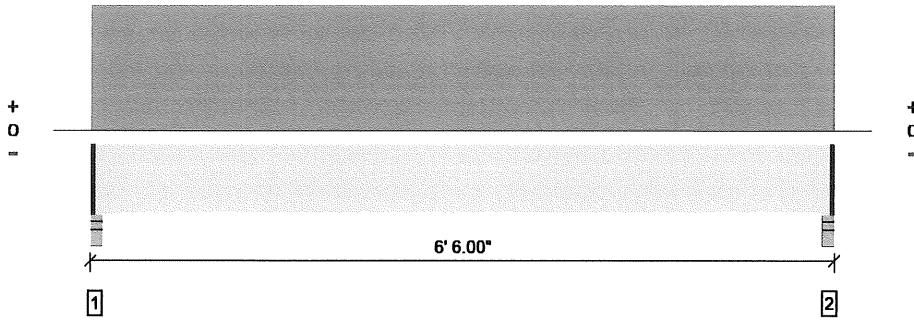
Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

Overall Length: 6' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1427 @ 2.00"	2734	Passed (52%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1068 @ 10.75"	1958	Passed (55%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	2156 @ 3' 3.00"	2300	Passed (94%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.068 @ 3' 3.00"	0.154	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.111 @ 3' 3.00"	0.308	Passed (L/669)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 6' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	563	910	1473	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	563	910	1473	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 6' 6.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

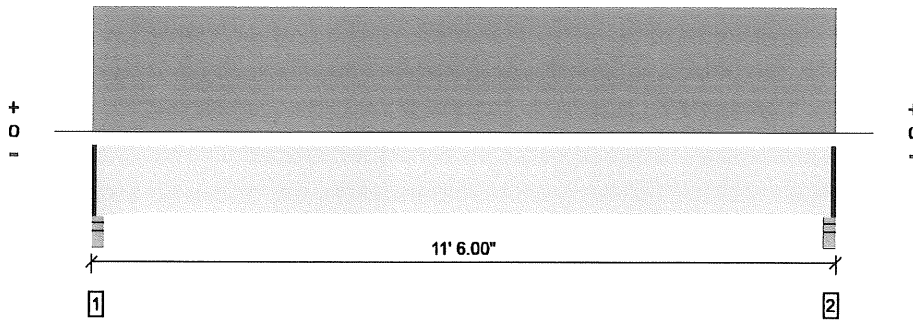
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

9/21/2012 5:47:54 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te

Overall Length: 11' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2594 @ 2.00"	3189	Passed (81%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	2053 @ 1' 3.38"	7897	Passed (26%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	7162 @ 5' 9.00"	17848	Passed (40%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.118 @ 5' 9.00"	0.279	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.194 @ 5' 9.00"	0.558	Passed (L/690)	--	1.0 D + 1.0 L (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

* Deflection criteria: LL (L/480) and TL (L/240).

* Bracing (Lu): All compression edges (top and bottom) must be braced at 11' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.83"	1031	1610	2641	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.83"	1031	1610	2641	1 1/4" Rim Board

• Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 11' 6.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

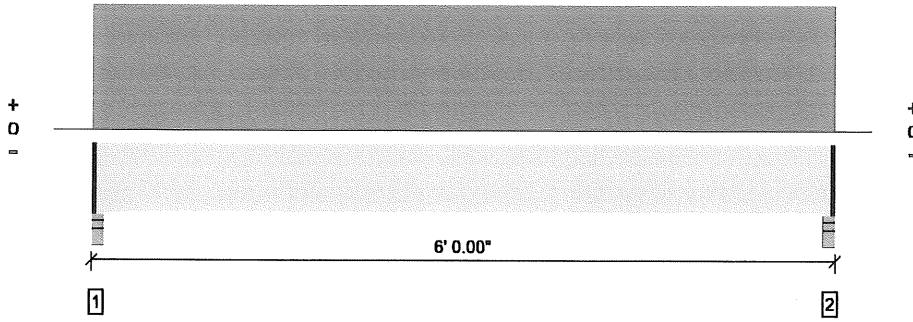
The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

 9/21/2012 5:48:10 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te

Overall Length: 6' 0.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1313 @ 2.00"	2734	Passed (48%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	954 @ 10.75"	1958	Passed (49%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	1820 @ 3' 0.00"	2300	Passed (79%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.049 @ 3'	0.142	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.079 @ 3' 0.00"	0.283	Passed (L/862)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 5' 9.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	520	840	1360	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	520	840	1360	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 6' 0.00"	14' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

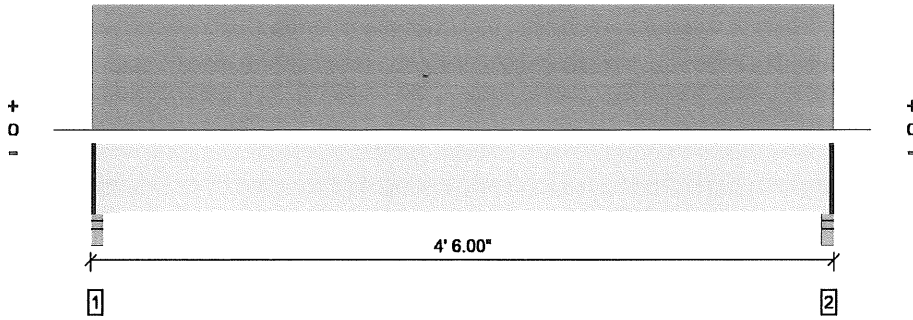
Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

Overall Length: 4' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	IDF	Load: Combination (Pattern)
Member Reaction (lbs)	558 @ 2.00"	2734	Passed (20%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	390 @ 9.00"	1485	Passed (26%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	565 @ 2' 3.00"	1434	Passed (39%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.019 @ 2' 3.00"	0.104	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.030 @ 2' 3.00"	0.208	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 4' 3.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- Applicable calculations are based on NDS 2005 methodology.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	225	360	585	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	2.25"	1.50"	225	360	585	1 1/4" Rim Board

• Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform(PSF)	0 to 4' 6.00"	8' 0.00"	12.0	20.0	ceiling load

Weyerhaeuser Notes

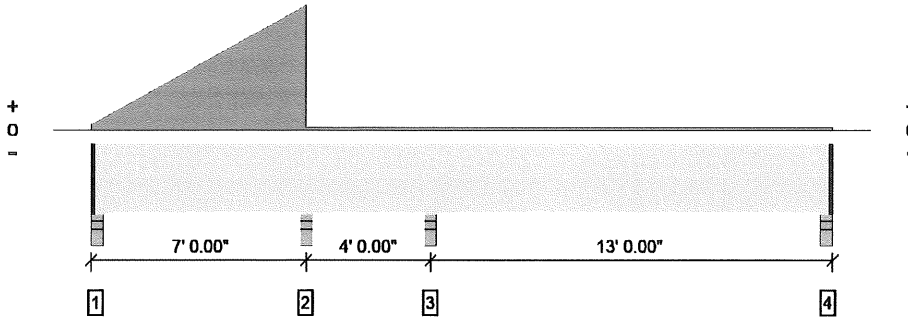
Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

Overall Length: 24' 0.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2134 @ 7' 0.00"	4961	Passed (43%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1545 @ 6' 3.00"	5544	Passed (28%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	-2358 @ 11' 0.00"	6403	Passed (37%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.030 @ 3' 5.60"	0.171	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.263 @ 18' 0.00"	0.642	Passed (L/586)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 23' 9.50" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - HF	3.50"	2.25"	1.50"	831	322	1153	1 1/4" Rim Board
2 - Stud wall - HF	3.50"	3.50"	1.51"	990	1144	2134	None
3 - Stud wall - HF	3.50"	3.50"	1.50"	1867	-213	1867/-213	None
4 - Stud wall - HF	3.50"	2.25"	1.50"	810	7	817	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 24' 0.00"	12' 0.00"	12.0	-	bump out ceiling
2 - Tapered(PLF)	0 to 7' 0.00"	N/A	0.0 to 90.0	0.0 to 360.0	hip rafters
3 - Uniform(PSF)	0 to 7' 0.00"	8' 0.00"	10.0	-	kitchen ceiling

Weyerhaeuser Notes

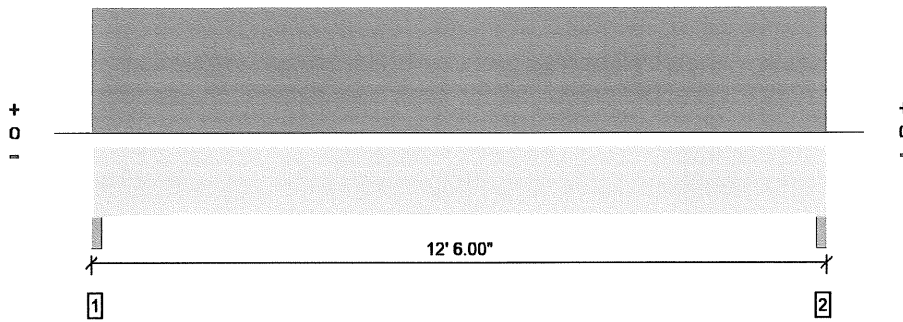
Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Plan



Forté Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine 04103

Overall Length: 12' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3183 @ 1.50"	11419	Passed (28%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2551 @ 1' 2.88"	13622	Passed (19%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	9552 @ 6' 3.00"	30788	Passed (31%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.144 @ 6' 3.00"	0.306	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.204 @ 6' 3.00"	0.613	Passed (L/721)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

* Deflection criteria: LL (L/480) and TL (L/240).

* Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 6.00" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None
2 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 12' 6.00"	3' 6.00"	12.0	20.0	-	ceiling load
2 - Uniform(PSF)	0 to 12' 6.00"	6' 0.00"	15.0	-	60.0	Roof Load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator

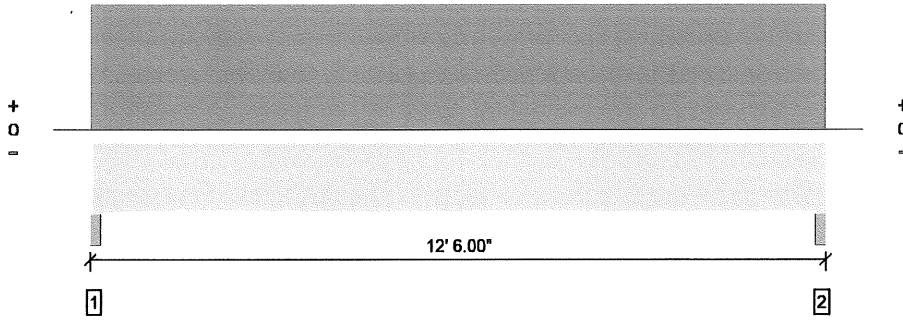


Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

9/21/2012 5:48:57 PM
 Forte v3.5, Design Engine: V5.5.3.2

Wright.4te

Overall Length: 12' 6.00"



All Dimensions Are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3183 @ 1.50"	11419	Passed (28%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2551 @ 1' 2.88"	13622	Passed (19%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	9552 @ 6' 3.00"	30788	Passed (31%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.144 @ 6' 3.00"	0.306	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.204 @ 6' 3.00"	0.613	Passed (L/721)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

* Deflection criteria: LL (L/480) and TL (L/240).

* Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 6.00" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None
2 - Trimmer - HF	3.00"	3.00"	1.50"	933	438	2250	3621	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 12' 6.00"	3' 6.00"	12.0	20.0	-	ceiling load
2 - Uniform(PSF)	0 to 12' 6.00"	6' 0.00"	15.0	-	60.0	Roof Load

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

The product application, input design loads, dimensions and support information have been provided by Forte Software Operator



Forte Software Operator	Job Notes
Guy Poisson Hammond Lumber (20) 749-5330 gpoisson@hammondlumber.com	John Wright 36 Brookside Road Portland, Maine

9/21/2012 5:48:57 PM
 Forte v3.5, Design Engine: V5.5.3.2
 Wright.4te



11142

A 2012 50373

PLUMBING PERMIT APPLICATION

PROPERTY ADDRESS

Street: 36 Brookside Rd

CBL: PONTIAC 158 BOOR

PROPERTY OWNER(S) NAME

NAME: LEN FREEMAN

Applicant Name: JAMES B. SAWYER

Mailing Address of Owner/Applicant (if Different) 2 SPAR COVE RD FULLEPONT, ME 04032

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 Inspector(s) to deny a permit.

[Signature] Date 11/19/12

Signature of Owner/Applicant

Town/City PORTLAND Permit # 2012 074565 Plumb

Date Permit Issued 11/19/12 Fee: \$ 150 Double Fee Charged []

[Signature] L.P.I. # 360

Local Plumbing Inspector Signature

The Internal Plumbing Fixtures and Piping shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the plumbing system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Caution: Inspection Required

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

Date Approved (Rough-in)

LPI Signature

Date Approved (Final)

PERMIT INFORMATION

This Application is for

- 1. NEW PLUMBING
- 2. RELOCATED PLUMBING

Type of Structure to be Served

- 1. SINGLE FAMILY RESIDENCE
- 2. MODULAR OR MOBILE HOME
- 3. MULTIPLE FAMILY DWELLING
- 4. OTHER-SPECIFY _____

Plumbing to be Installed by:

NAME: JAMES B. SAWYER

- 1. MASTER PLUMBER
- 2. OIL BURNERMAN
- 3. MFG'D HOUSING DEALER / MECHANIC
- 4. PUBLIC UTILITY EMPLOYEE
- 5. PROPERTY OWNER

LICENSE # 121250

RECEIVED
NOV 19 2012
Dept. of Building Inspections
City of Portland Maine

SCANNED

Please call 874-8703 with your permit # to schedule inspections!

	Column 2		Column 1	
	Number	Type of Fixture	Number	Type of Fixture
<input type="checkbox"/> HOOK-UP: to public sewer by those cases where the connection is not regulated and inspected by the local sanitary district.	<input type="checkbox"/> 2	Hosebib / Sillcock	<input type="checkbox"/> 1	Bathtub (and Shower)
	<input type="checkbox"/>	Floor Drain	<input type="checkbox"/> 1	Shower (separate)
	<input type="checkbox"/>	Urinal	<input type="checkbox"/> 1	Sink
	<input type="checkbox"/>	Drinking Fountain	<input type="checkbox"/> 3	Wash Basin
	<input type="checkbox"/>	Indirect Waste	<input type="checkbox"/> 3	Water Closet (Toilet)
<input type="checkbox"/> HOOK-UP: to an existing subsurface wastewater disposal system	<input type="checkbox"/>	Water Treatment Softener, Filter, Etc.	<input type="checkbox"/> 1	Clothes Washer
	<input type="checkbox"/>	Grease / Oil Separator	<input type="checkbox"/> 1	Dish Washer
	<input type="checkbox"/>	Roof Drain	<input type="checkbox"/>	Garbage Disposal
	<input type="checkbox"/>	Bidet	<input type="checkbox"/> 1	Laundry Tub
	<input type="checkbox"/>	Other: _____	<input type="checkbox"/>	Water Heater
	<input type="checkbox"/> 2	Fixtures (Subtotal) Column 2	<input type="checkbox"/> 2	Fixtures (Subtotal) Column 1
OR			<input type="checkbox"/> 4	TOTAL FIXTURES
<input type="checkbox"/> TRANSFER FEE [\$10.00]	Fees by fixture: First 4 fixtures = \$40 Over 4 = \$10/fixture + \$10 Surcharge		<input type="checkbox"/>	Fixture Fee
			<input type="checkbox"/>	Transfer Fee
			<input type="checkbox"/>	Hook-Up & Relocation Fee
Please call 874-8703 with your permit # to schedule inspections!			<u>150</u>	PERMIT FEE (TOTAL)

158 BOOR