

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED

Permit Number: 051072 2004

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

This is to certify that Berg Cindi I/Owner has permission to build 16'x20' addition, add porch, move existing deck & add roof over garage of single family residence AT 10 Whaleboat Rd 393 1006001

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 work on permit in progress before this building or part thereof is closed or enclosed-in. HEAVY 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 Department Name

Handwritten signature and date 9/27/05

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: 05-1072	Issue Date: <b>PERMIT ISSUED</b>	CBL: 393 I006001
-----------------------	-------------------------------------	---------------------

Location of Construction: 10 Whaleboat Rd	Owner Name: Berg Cindi J 741-8260	Owner Address: 10 Whaleboat Rd	Phone: 883-5505
Business Name:	Contractor Name: Owner	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Dwellings	Zone: R-2

Past Use: single family residence	Proposed Use: single family residence with 16'x20' addition, rooms added over garage, and a new porch	Permit Fee: \$291.00	Cost of Work: \$29,500.00	CEO District: 5
		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>N/A</i>	INSPECTION: Use Group: R-3 Type: SB <i>IRC 2003</i>	

**Proposed Project Description:**  
build 16'x20' addition, add porch, move existing deck & add rooms over garage of single family residence

Signature: *[Signature]*

Signature: *[Signature]*

**PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)**

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: jharris	Date Applied For: 07/28/2005	<b>Zoning Approval</b>	
-----------------------------	---------------------------------	------------------------	--

<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>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..</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <i>OK under 14-436B</i> <input type="checkbox"/> Flood Zone <i>14-433</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>9/27/05</i>	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>9/27/05</i>
---	--	---	---

**CERTIFICATION**

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

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

**City of Portland, Maine - Building or Use Permit**

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

Permit No: 05-1072	Date Applied For: 07/28/2005	CBL: 393 I006001
-----------------------	---------------------------------	---------------------

Location of Construction: 10 Whaleboat Rd	Owner Name: Berg Cindi J	Owner Address: 10 Whaleboat Rd	Phone: ( ) 883-5505
Business Name:	Contractor Name: Owner	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Dwellings	

Proposed Use: single family residence with 16'x20' addition, rooms added over garage, and a new porch	Proposed Project Description: build 16'x20' addition, add porch, move existing deck & add rooms over garage of single family residence
--	---

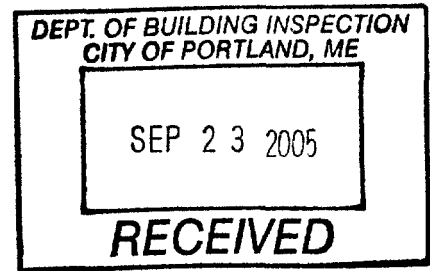
Dept: Zoning	Status: Approved	Reviewer: Tammy Munson	Approval Date: 09/27/2005
Note:			Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved with Conditions	Reviewer: Tammy Munson	Approval Date: 09/27/2005
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) Separate permits are required for any electrical, plumbing, or heating.			

<b>Comments:</b>
9/27/05-tmm: ok - rec'd additional info - ok to issue
8/24/05-tmm: need beam spec's, fire door and wall rating, tubes size and location for placement of existing deck, header schedule - called owner.

**Steven & Cindi Berg**  
10 Whaleboat Road  
Portland, Maine 04103

September 23, 2005

Tammy Munson  
Code Enforcement Officer  
City of Portland  
Planning & Development Department  
Housing & Neighborhood Services Division  
389 Congress Street  
Portland, Maine 04101



RE: Building Permit - Addition to Single Family Residence  
Map 393 - I - 6

Dear Tammy:

As a follow-up to our previous discussion, I made the following changes to the plan.

Specifically, I am enclosing the information from Wood Structures via Rufus Deering on the structural beams

All door and window headers shall be constructed from 3 -2x10's.

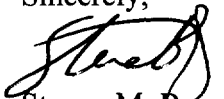
The steel beam in the garage is to be wrapped in 5/8" Fire rated sheetrock.

Details on sonatube location for relocated deck are attached.

I believe the summarizes the information you had previously requested. As always, please call me at 883-5505 if you have any further questions or comments.

Thank you for all of your assistance.

Sincerely,

  
Steven M. Berg

RUFUS DIERING LUMBER  
383 COMMERCIAL STREET  
PORTLAND, ME. 04101

# Fax

To: ALPHA MANAGEMENT CORP. From: PHILLIP W BECKER  
Fax: 1-207-883-6779 Pages: 6-PAGES INCLUDING COVER  
Phone: 1-207-329-4219 Date: 9/15/2005  
Re: STRUCTURAL BEAMS ATT: STEVE BERG

Urgent  For Review  Please Comment  Please Reply  Please Recycle

Good Afternoon Steve,

This is what it will take to build your roof, and information to pass off to the town for approval. The package consists of.

Side window header, Main ridge, Dormer ridge, Front window header, and valley rafters. Your cost for these items is \$3,180.00 plus tax.

Please call me with any questions you may have.

- Thank you -

PHILLIP W BECKER



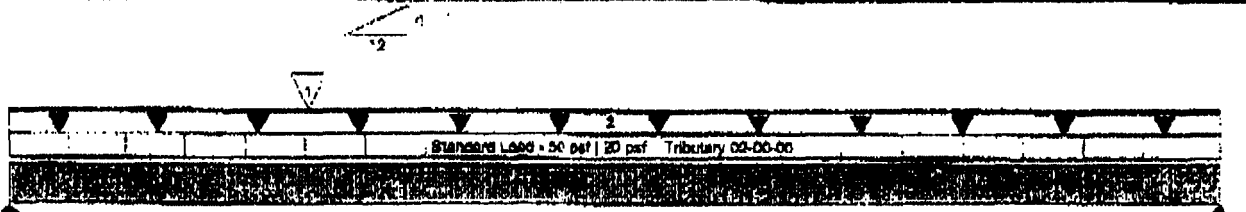
BC CALC® 2003 DESIGN REPORT - US

Thursday, September 15, 2005 06:44

Single 5 1/4" x 9 1/2" VERSA-LAM® 2.0 3100

Job Name: ADDITION  
Address:  
City, State, Zip: SCARBOROUGH, ME  
Customer:  
Code reports: ESR-1040

File Name: PHIL BECKER  
Description:  
Specification: PHIL BECKER-RUFUS DEERING LOR  
Designer: MICHELLE  
Company: WSI  
Misc: SIDE WINDOW HERAGE



B0  
5379 lbs LL  
3197 lbs DL

B1  
1926 lbs LL  
1302 lbs DL

Total Horizontal Length - 04-00-00

General Data

Version: US Imperial  
Member Type: Roof Beam  
Number of Spans: 1  
Left Cantilever: No  
Right Cantilever: No  
Slope: 0/12  
Tributary: 02-00-00

Live Load: 50 psf  
Dead Load: 20 psf  
Partition Load: 0 psf  
Duration: 115

Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur
S	Standard Load	Unit Area	Left	00-00-00	04-00-00	Live	50 psf	02-00-00	115%
1		Cond Pt.	Left	01-00-00	01-00-00	Dead	20 psf	02-00-00	90%
2		Cond Pt.	Left	00-00-00	04-00-00	Live	8905 lbs	n/a	115%
						Dead	3790 lbs	n/a	90%
						Live	0 psf	n/a	90%
						Dead	100 psf	n/a	90%

Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	8435 ft-lbs	35.0%	115%	2	1 - Interm
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	6356 lbs	76.7%	115%	2	1 - Left
Total Load Defl	1.7918 (0.025")	8.4%		2	1
Live Load Defl.	1.0092 (0.018")	7.8%		2	1
Max Defl	0.075"	2.6%		2	1

Disclosure

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

BC CALC®, BC FRAMER®, BOISE, BC RIM BOARD™, BC OSB RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and A-6™ are trademarks of Boise Cascade Corporation.

Notes

Design meets Code minimum (L/180) Total load deflection criteria.  
Design meets Code minimum (L/240) Live load deflection criteria.  
Design meets arbitrary (1") Maximum load deflection criteria.  
Minimum bearing length for B0 is 2-1/8".  
Minimum bearing length for B1 is 1-1/2".  
Member Slope = 0, consider drainage.  
Entered/Displayed Horizontal Span Length(s) = Clear Span = 172" with one bearing + 1/2" intermediate bearing



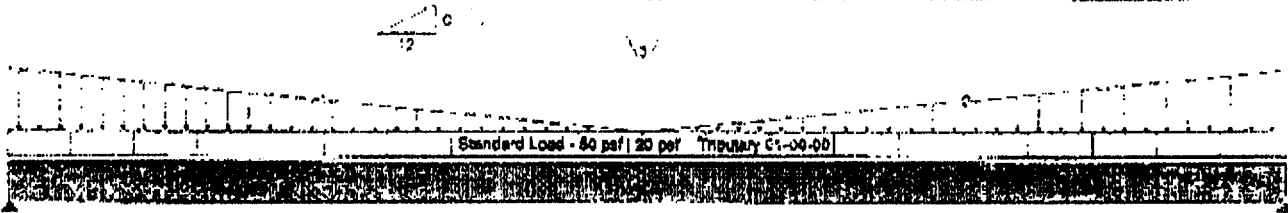
BC CALC® 2003 DESIGN REPORT - US

Thursday, September 15, 2005 08:14

Single 7" x 18" VERSA-LAM® 2.0 3100

Job Name: ADDITION  
 Address:  
 City, State, Zip: SCARBOROUGH, ME  
 Customer:  
 Code reports: ESR-1040

File Name: PHIL\_R914  
 Description:  
 Specifier: PHIL BECKER-RUFUS DEERING LBR  
 Designer: MICHELLE  
 Company: WSI  
 Misc: MAIN RIDGE



B0  
 6905 lbs LL  
 3790 lbs DL

B1  
 6905 lbs LL  
 3790 lbs DL

Total Horizontal Length - 20'-00"-00"

General Data

Version: US Imperial  
 Member Type: Roof Beam  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No  
 Slope: 0/12  
 Tributary: 01'-00"-00"

Live Load: 50 psf  
 Dead Load: 20 psf  
 Partition Load: 0 psf  
 Duration: 115

Disclosure

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

BC CALC®, BC FRAMER®, BC1®, BC RIM BOARD™, BC OSS RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIM®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and AIS™ are trademarks of Boise Cascade Corporation.

Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
0	Standard Load	Unif. Area	Left	00'-00"-00"	20'-00"-00"	Live	50 psf	01'-00"-00"	115%
1	Trapezoidal	Left	00'-00"-00"	10'-00"-00"	Live	338 psf	n/a	115%	
			00'-00"-00"	10'-00"-00"	Dead	0 psf	n/a	90%	
2	Trapezoidal	Left	10'-00"-00"	20'-00"-00"	Live	308 psf	n/a	115%	
			10'-00"-00"	20'-00"-00"	Dead	0 psf	n/a	90%	
3	Conc. Pt.	Left	10'-00"-00"	10'-00"-00"	Live	9430 lbs	n/a	115%	
					Dead	3090 lbs	n/a	90%	

Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	85825 ft-lbs	79.9%	115%	2	1 - Interna.
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	5878 lbs	35.9%	115%	2	1 - Left
Total Load Defl.	L/315 (0.761")	57.1%		2	1
Live Load Defl.	L/490 (0.49")	49.0%		2	1
Max Defl.	0.761"	76.1%		2	1

Notes

Design meets Code minimum (L/180) Total load deflection criteria.  
 Design meets Code minimum (L/240) Live load deflection criteria.  
 Design meets arbitrary (1") Maximum load deflection criteria.  
 Minimum bearing length for B0 is 2".  
 Minimum bearing length for B1 is 2".  
 Member Slope = 0, consider drainage.  
 Entered/Displayed: Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing



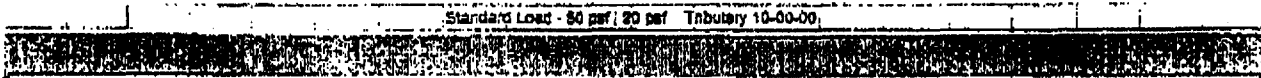
BC CALC® 2003 DESIGN REPORT - US

Monday, September 12, 2005 10:31

Single 5 1/4" x 16" VERSA-LAM® 2.0 3100

Job Name: ADDITION  
 Address:  
 City, State, Zip: SCARBOROUGH, ME  
 Customer:  
 Code reports: ESR-1040

File Name: BC CALC Project: RB01  
 Description:  
 Specifier: PHIL BECKER-RUFUS DEERING LBR  
 Designer: MICHELLE  
 Company: WSI  
 Misc: **DORMER RIDGE**



80  
 5250 lbs LL  
 2489 lbs DL

6'  
 5250 lbs LL  
 2489 lbs DL

Total Horizontal Length - 21'-00"-00"

General Data

Version: US Imperial  
 Member Type: Roof Beam  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No  
 Slope: 0/12  
 Tributary: 10'-00"-00"  
 Live Load: 50 psf  
 Dead Load: 20 psf  
 Partition Load: 0 psf  
 Duration: 115

Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
S	Standard Load	Lin. Area	1st	00-00-00	21-00-00	Live	50 psf	10-00-00	115%
						Dead	20 psf	10-00-00	80%

Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	40027 ft-lbs	83.0%	115%	2	Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	6758 lbs	38.8%	115%	2	Left
Total Load Defl.	1/280 (0.8")	84.3%		2	
Live Load Defl.	1/413 (0.8")	56.1%		2	
Max Defl.	0.8"	60.0%		2	

Notes

Design meets Code minimum (L/180) Total load deflection criteria  
 Design meets Code minimum (L/240) Live load deflection criteria  
 Design meets arbitrary (1") Maximum load deflection criteria  
 Minimum bearing length for B0 is 2".  
 Minimum bearing length for B1 is 2".  
 Member Slope = 0, consider drainage.  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

User Notes

RIDGE OVER MASTER BEDROOM

Disclosure

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

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





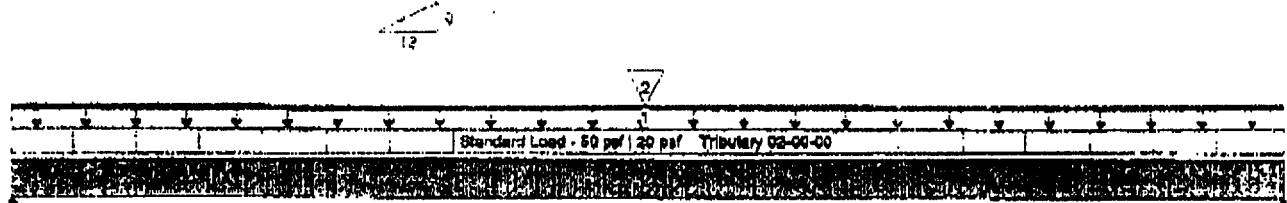
BC CALC® 2003 DESIGN REPORT - US

Monday, September 12, 2005 10:48

Single 5 1/4" x 11 7/8" VERSA-LAM® 2.0 3100

Job Name: ADDITION  
 Address:  
 City, State, Zip: SCARBOROUGH, ME  
 Customer:  
 Code reports: ESR-1040

File Name: BC CALC Formed - RB02  
 Description:  
 Specifier: PHIL BECKER-RUMUS DEERING LBP  
 Designer: MICHELLE  
 Company: WSI  
 Misc: **FRONT WINDOW HEADER**



B0  
 3050 lbs LL  
 1867 lbs DL

B1  
 3050 lbs LL  
 1897 lbs DL

Total Horizontal Length - 08-00-00

General Data		Load Summary									
Version:	US Imperial	ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
Member Type:	Roof Beam	S	Standard Load	Unf. Area	Left	00-00-00	08-00-00	Live	80 psf	02-00-00	115%
Number of Spans:	1	1		Unf. Ln.	Left	00-00-00	08-00-00	Live	0 psf	n/a	90%
Left Cantilever:	No							Deac	100 psf	n/a	90%
Right Cantilever:	No	2		Cyrc. Pl.	Left	04-03-00	04-03-00	Live	5250 lbs	n/a	115%
								Deac	2490 lbs	n/a	90%
Stone:	0/12	<b>Controls Summary</b>									
Tributary:	02-00-00	Control Type	Value	% Allowable	Duration	Load Case	Span Location				
		Moment	16943 ft-lbs	51.6%	115%	2	1 - Internal				
		Neg. Moment	0 ft-lbs	n/a	100%						
		End Shear	4773 lbs	25.0%	115%	2	1 - Left				
		Total Load Def.	L/734 (0.139")	24.5%		2	1				
Live Load:	80 psf	Live Load Def.	L/1189 (0.087")	20.5%		2	1				
Dead Load:	20 psf	Max Def	0.139"	13.5%		2	1				
Partition Load:	0 psf										
Duration:	115										

Disclosure

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

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

Notes

Design meets Code minimum (L/180) Total load deflection criteria.  
 Design meets Code minimum (L/240) Live load deflection criteria.  
 Design meets arbitrary (1") Maximum load deflection criteria.  
 Minimum bearing length for B0 is 1-1/2".  
 Minimum bearing length for B1 is 1-1/2".  
 Member Slope = 0, consider drainage.  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

User Notes

HEADER OVER FRONT WINDOW- MASTER BEDROOM



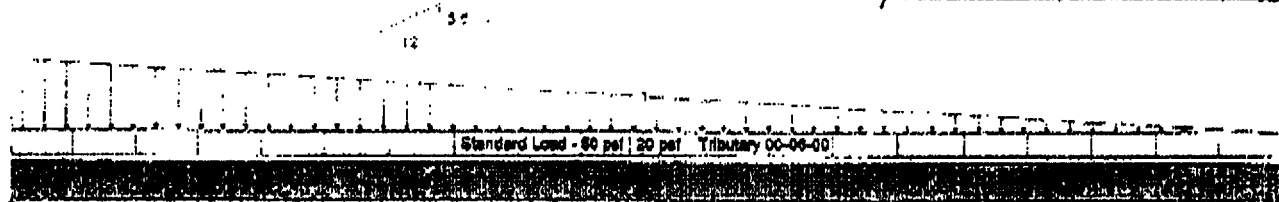
BC CALC® 2003 DESIGN REPORT - US

Thursday, September 15, 2005 08:13

Single 3 1/2" x 16" VERSA-LAM® 2.0 3100

Job Name: ADDITION  
 Address:  
 City, State, Zip: SCARBOROUGH ME  
 Customer:  
 Code reports: ESR-1040

File Name: PHIL R513  
 Description:  
 Specifier: PHIL BECKER-RUFUS DEERING LBR  
 Designer: MICHELLE  
 Company: WSI  
 Misc: VALLEY RAFTERS



B0  
 8946 lbs LL  
 2121 lbs DL

B1  
 2089 lbs L  
 301 lbs DL

Total Horizontal Length - 18-06-13

General Data

Version: US Imperial  
 Member Type: Roof Beam  
 Number of Spans: 1  
 Left Cantilever: No  
 Right Cantilever: No  
 Slope: 5.6/12  
 Tributary: 00-00-00

Live Load: 50 pcf  
 Dead Load: 20 pcf  
 Partition Load: 0 pcf  
 Duration: 119

Load Summary

ID	Description	Load Type	Ref.	Start	End	Type	Value	Trib.	Dur.
8	Standard Load	Unf. Area	Left	00-00-00	18-06-13	Live	50 pcf	00-00-00	115%
		Trapezoidal	Left	00-00-00		Dead	20 pcf	00-00-00	90%
				00-00-00	18-06-13	Live	600 pcf	n/a	115%
				00-00-00	18-06-13	Live	0 pcf	n/a	115%
						Dead	240 pcf	n/a	90%
						Dead	0 pcf	n/a	90%

Controls Summary

Control Type	Value	% Allowable	Duration	Load Case	Span Location
Moment	22371 ft-lbs	52.1%	115%	2	1 - Internal
Neg. Moment	0 ft-lbs	n/a	100%		
End Shear	4915 lbs	33.3%	115%	2	1 - Left
Total Load Defl.	L/354 (0.695")	50.9%		2	1
Live Load Defl.	L/556 (0.444")	43.3%		2	1
Max Defl.	0.989"	59.5%		2	1

Disclosure

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

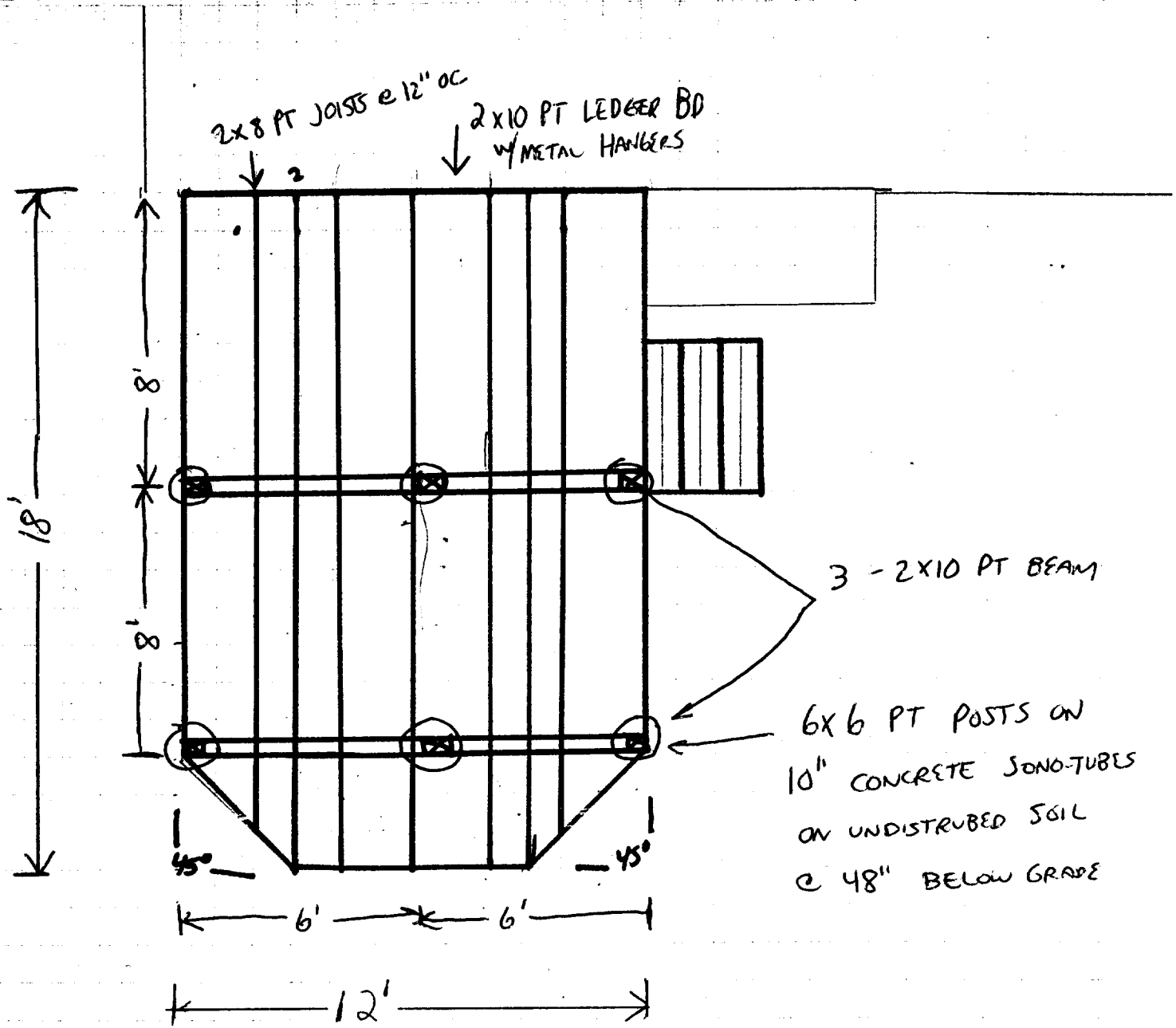
BC CALC®, BC FRAMER®, BC1®, BC RIM BOARD™, BC OSS RIM BOARD™, BOISE GLULAM™, VERSA-LAM®, VERSA-RIMS®, VERSA-RIM PLUS®, VERSA-STRAND™, VERSA-STUD®, ALLJOIST® and AUS™ are trademarks of Boise Cascade Corporation.

Slope and Cut Length

End Condition	Slope	Facia Depth	Horiz. Length	Product Length
Plumb Cut with Hanger to dbl. top plate	5.6/12	13 1/8"	18-06-13	21-01-08

Notes

Design meets Code minimum (L/180) Total load deflection criteria.  
 Design meets Code minimum (L/240) Live load deflection criteria.  
 Design meets arbitrary (1") Maximum load deflection criteria.  
 Minimum bearing length for B0 is 2-1/4".  
 Minimum bearing length for B1 is 1-1/2".  
 Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing



10 WHALEBOAT ROAD  
 RE-LOCATED DECK PLAN  
 LOCATION OF SONOTUBES

Print [ ] Text93 [ ] 40356 [ ] Constr Type [ ] New [ ] Num1 [ ] 51072 [ ]

Permit Nbr [ ] 05-1072 [ ] Location of Construction [ ] 10 [ ] Whaleboat Rd [ ] Appl. Date [ ] 07/28/2005 [ ]  
Status [ ] Hold [ ] Permit Type [ ] Additions - Dwellings [ ] Issue Date [ ] [ ]  
CBL [ ] 393 1006001 [ ] District Nbr [ ] 5 [ ] Estimated Cost [ ] \$29,500.00 [ ] Date Closed [ ] [ ]

Comment Date [ ]

Comment [ ]

[ ] 08/24/200 [ ]

need beam spec's; fire door and wall rating; tubes size and location for placement of existing deck, header schedule - called owner.

Name [ ] tmm [ ]

Follow Up Date [ ]

Completed

CreatedBy [ ] lharris [ ] CreatedDate [ ] 08/09/2005 [ ] ModBy [ ] tmm [ ] ModDate [ ] 08/24/2005 [ ]

JUL 28 2005

# All Purpose Building Permit Application

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

Location/Address of Construction: <u>10 Whaleboat Road, Portland</u>		
Total Square Footage of Proposed Structure <u>1,088<sup>sq</sup> new</u>	Square Footage of Lot <u>12,743<sup>sq</sup></u>	
Tax Assessor's Chart, Block & Lot Chart# <u>393</u> Block# <u>I</u> Lot# <u>6</u>	Owner: <u>Berg, Cindi</u>	Telephone: <del>883-839</del> <u>883-5505</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>SAME CINDI BERG</u> <u>10 WHALEBOAT ROAD</u> <u>PORTLAND, ME</u>	Cost Of Work: \$ <u>29,500</u> Fee: \$ <u>291.00</u>
Current use: <u>RESIDENCE</u>		
If the location is currently vacant, what was prior use: <u>N/A</u>		
Approximately how long has it been vacant: <u>N/A</u>		
Proposed use: <u>ADDITION TO EXISTING RESIDENTIAL/SINGLE FAMILY</u>		
Project description: <u>ADD 1 STORY, 16x20 FAMILY ROOM, ADD ROOMS OVER GARAGE. MOVE EXISTING DECK; ADD PAVERS PORCH</u>		
Contractor's name, address & telephone: <u>Steven Berg, 10 Whaleboat Road</u>		
Who should we contact when the permit is ready: <u>Steve Berg</u>		
Mailing address: <u>10 Whaleboat Road</u> <u>Portland, Maine <del>04101</del> 04103</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>207-883-5505</u>		

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

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

Signature of applicant: Steve M Berg

Date: 7/27/05

This is NOT a permit, you may not commence ANY work until the permit is issued.  
If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4<sup>th</sup> floor of City Hall

$F_y = 50 \text{ ksi}$

**BEAMS**  
**W Shapes**  
**Allowable uniform loads in kips**  
**for beams laterally supported**  
 For beams laterally unsupported, see page 2-14b

W 14



Designation	W 14			W 12			W 10		Deflection in.
	Wt./ft	8	10	8	10	12	10	12	
Range Width	8	8	8	6 3/4	6 3/4	6 3/4	5	5	
$L_c$	7.20	7.20	7.20	8.10	8.00	8.00	4.80	4.10	
$L_u$	12.7	11.5	10.4	8.30	7.30	6.50	5.10	4.70	
5							142	126	66
6				175	158	148	125	106	59
7				172	153	142	111	91	52
8	206	188	187	160	134	116	97	80	48
9	160	172	183	133	119	103	86	71	50
10	171	155	138	120	107	92	77	64	24
11	156	141	126	109	97	84	71	58	50
12	143	129	115	100	89	77	63	53	35
13	132	119	106	82	82	71	60	49	41
14	122	110	98	86	76	66	55	46	48
15	114	103	92	80	71	62	52	43	65
16	107	97	86	75	67	58	49	40	62
17	101	91	81	71	63	54	46	38	70
18	95	86	77	67	59	51	43	35	79
19	89	80	72	63	55	47	41	34	86
20	84	77	69	60	53	46	38	32	86
21	79	72	65	57	51	44	37	32	108
22	74	70	63	55	49	42	35	29	114
23	74	67	60	52	46	40	31	28	126
24	71	64	57	50	45	39	32	27	140
25	68	62	55	48	43	37	31	25	152
26	66	59	53	46	41	36	30	25	165
27	63	57	51	44	40	34	29	24	178
28	61	55	49	43	39	33	28	23	191
29	59	53	48	41	37	32	27	22	205
30	57	52	46	40	36	31	26	21	216
31	55	50	44	38	34	30	25	21	229
32	53	48	43	36	33	29	24	20	240
33	52	47	42	36	32	28	24	19	266
34	50	45	41	35	31	27	23	19	282

$F_y = 50 \text{ ksi}$

**W14X34 = 53,000 lb**

Properties and Reaction Values							
$S_x$ in <sup>3</sup>	77.8	70.3	62.7	54.8	48.6	42.0	35.3
$V$ kips	103	94	83	71	60	51	43
$R_1$ kips	43.9	38.8	33.3	27.2	23.5	20.9	18.7
$R_2$ kips/in.	12.2	11.2	10.1	10.7	9.4	8.9	8.42
$R_3$ kips	44.0	36.8	29.5	29.8	24.7	20.9	20.7
$R_4$ kips/in.	3.98	3.45	2.83	2.98	2.62	2.66	2.05
$R$ kips	55	49	39	40	34	30	27

Load above heavy line is limited by maximum allowable web shear.

For explanation of deflection, see page 2-32

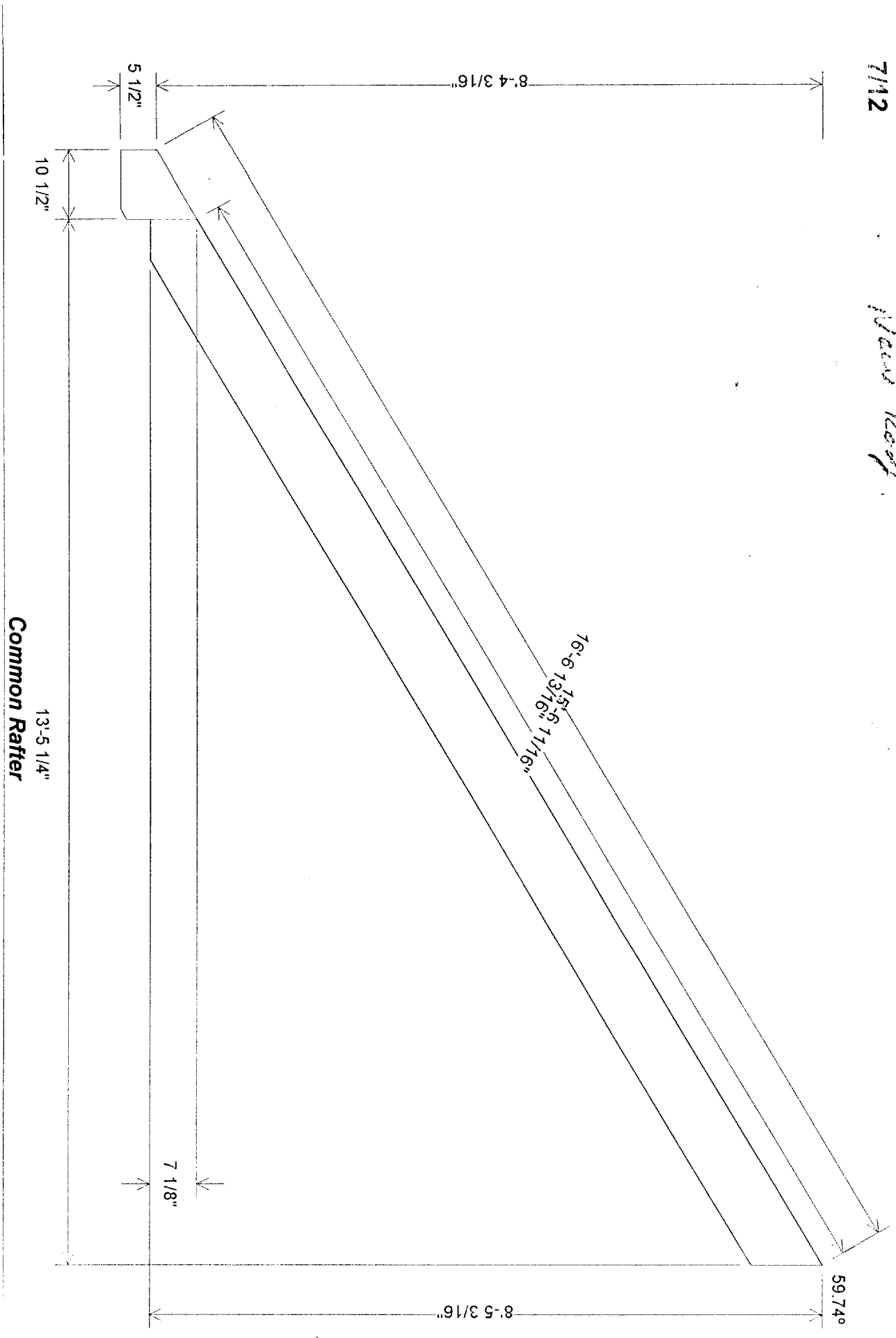
**W 12**

Designation	W 12		Deflection in.
	Wt./ft	12	
Range Width	12 3/4	12 3/4	
$L_c$	11.7	11.7	
$L_u$	18.3	17.2	
5	42	37	66
6	40	35	59
7	37	32	52
8	34	29	48
9	31	27	44
10	29	25	40
11	27	23	37
12	25	21	34
13	23	19	31
14	21	17	28
15	19	15	25
16	17	13	22
17	15	11	19
18	13	9	16
19	11	7	13
20	9	5	10
21	7	3	7
22	5	1	4
23	3	1	2
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1

$S_x$ in <sup>3</sup>	186	165
$V$ kips	212	191
$R_1$ kips	126	109
$R_2$ kips/in.	26	24
$R_3$ kips	189	168
$R_4$ kips/in.	21.2	19.1
$R$ kips	217	188

\*Indicates noncompact section  
 Load above heavy line is limited by maximum allowable web shear.  
 Values of  $R$  in bold face

7/12  
W/12  
New Roof



Slope = 7/12 (30.2564°)

Run = 13'-6"

Overhang = 10 1/2"

Heel = 7 1/8"

Seat = 6 1/8"

Common = 1 1/2" x 9 1/4"

Ridge = 1 1/2" x 11 1/4"

Fascia = 3/4" x 5 1/2"

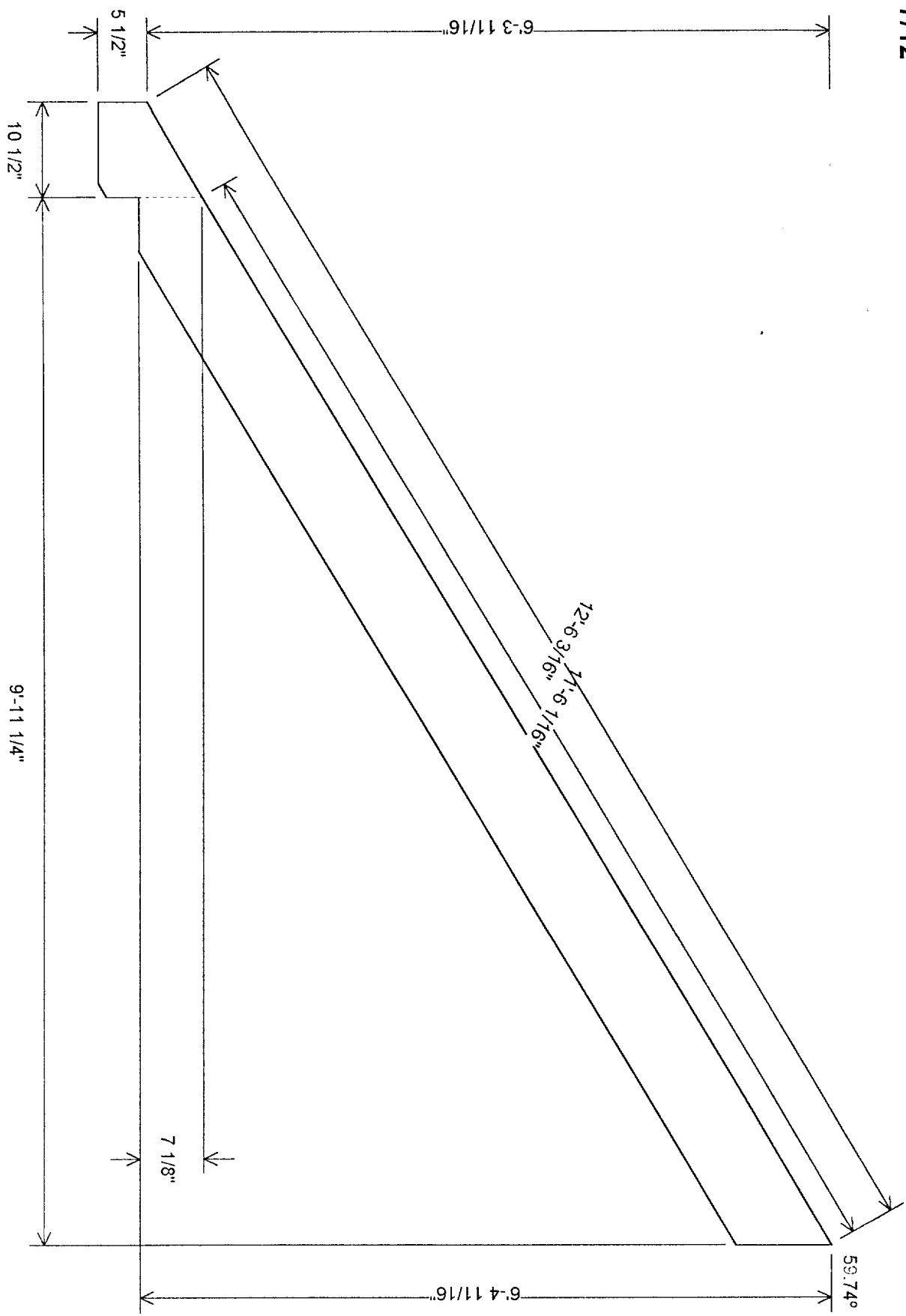
Ridge Allowance = 3/4"

Adjusted Run = 13'-5 1/4"

Common Rafter  
13'-5 1/4"

New  
Front

7/12



**Common Rafter**

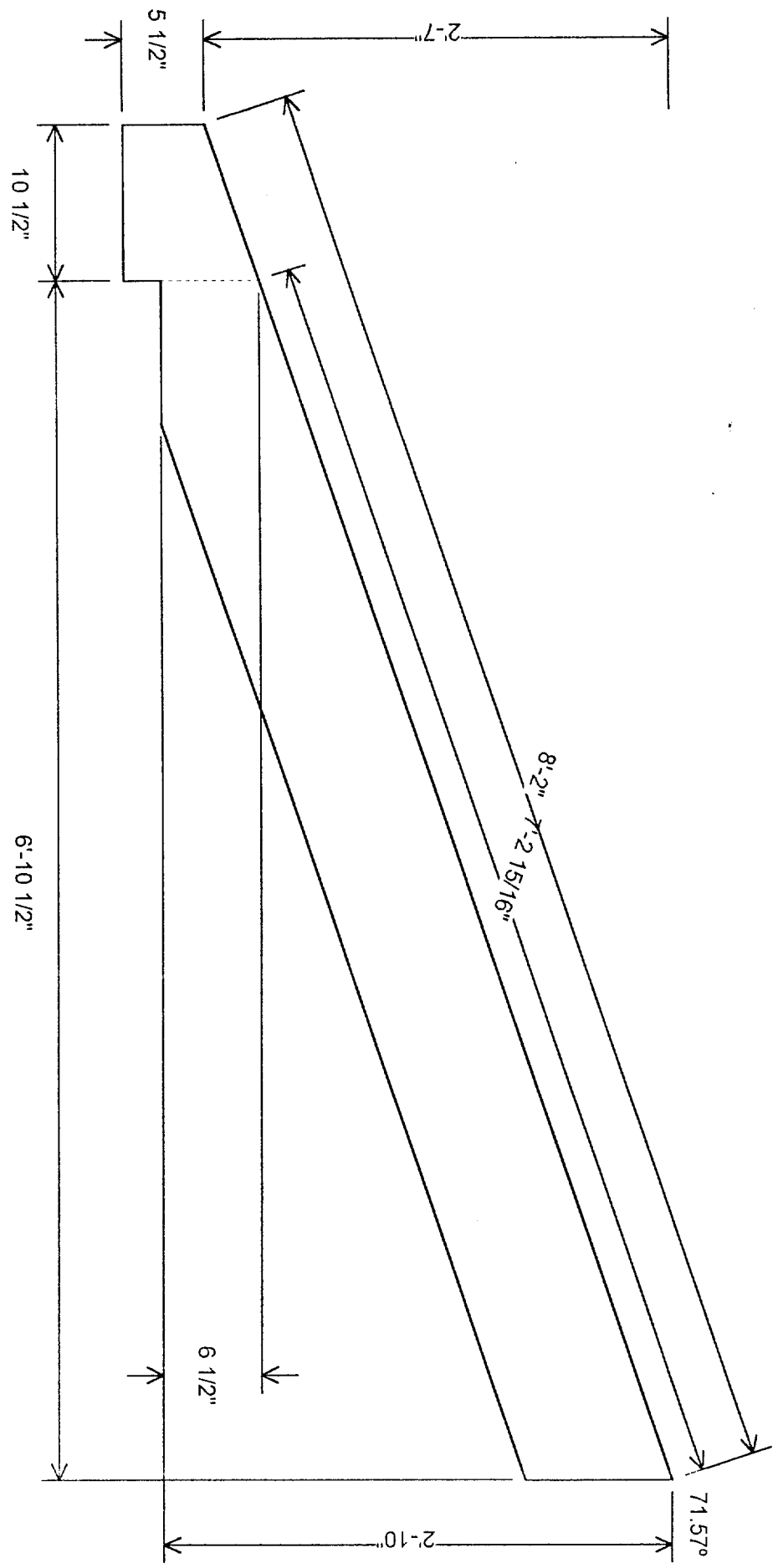
Slope = 7/12 (30.2564°)  
 Run = 10'-0"  
 Overhang = 10 1/2"  
 Heel = 7 1/8"  
 Seat = 6 1/8"

Common = 1 1/2" x 9 1/4"  
 Ridge = 1 1/2" x 11 1/4"  
 Fascia = 3/4" x 5 1/2"  
 Ridge Allowance = 3/4"  
 Adjusted Run = 9'-11 1/4"



Perch.  
2x10 - 24 Reg 16.05

4/12



**Shed Rafter**

Slope = 4/12 (18.435°)

Run = 7'-0"

Overhang = 10 1/2"

Heel = 6 1/2"

Seat = 9 3/4"

Common = 1 1/2" x 9 1/4"

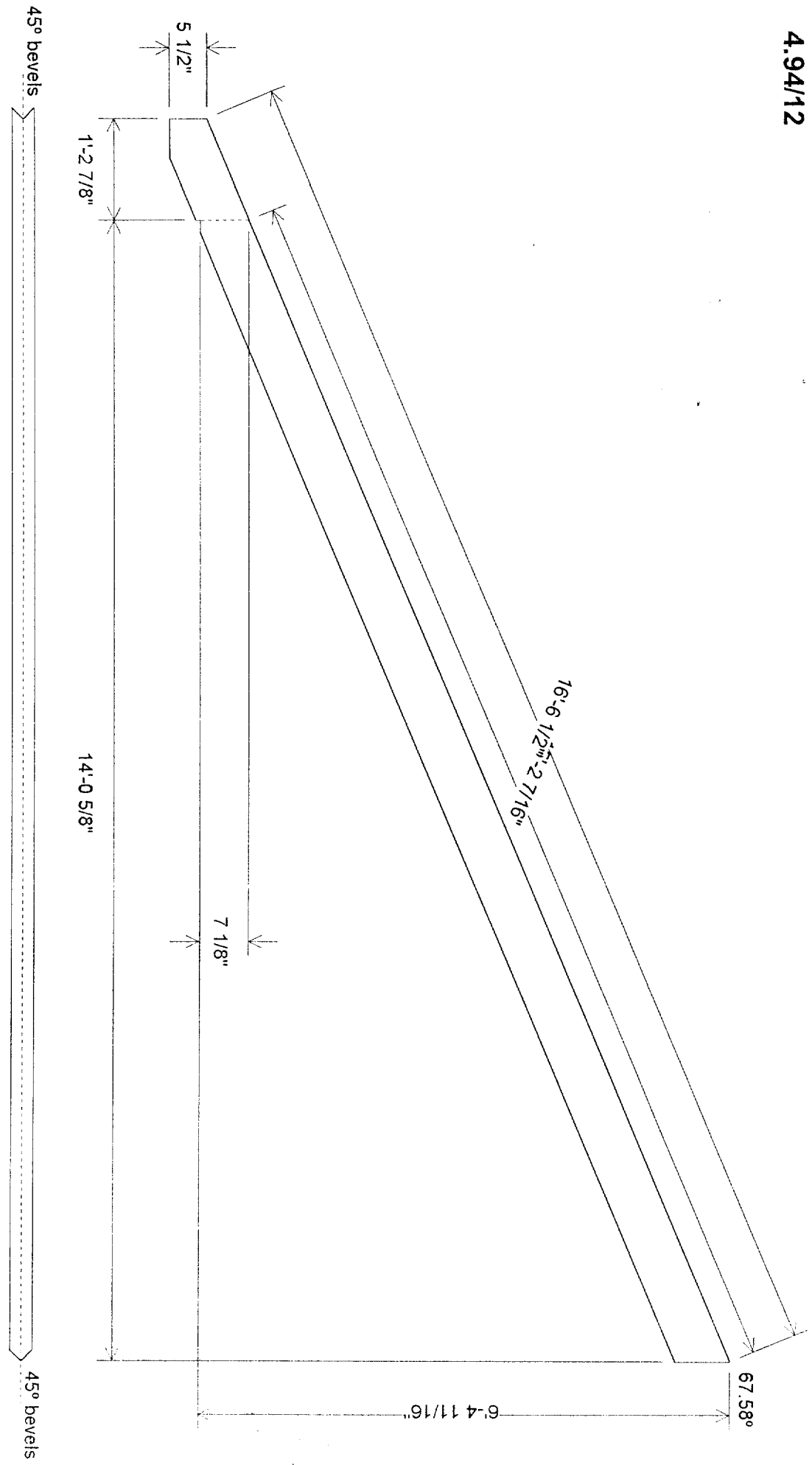
Ridge = 1 1/2" x 9 1/4"

Fascia = 1 1/2" x 5 1/2"

Ridge Allowance = 1 1/2"

Adjusted Run = 6'-10 1/2"

4.94/12



Valley Rafter

Common Slope = 7/12 (30.2564°)

Common Run = 10'-0"

Common Overhang = 10 1/2"

Common Heel = 7 1/8"

Common Seat = 6 1/8"

Valley Slope = 4.94/12 (22.42°)

Valley Run = 14'-1 11/16"

Valley Overhang = 1'-2 7/8"

Valley Heel = 7 1/8"

Valley Seat = 1 11/16"

Common = 1 1/2" x 9 1/4"

Valley = 1 1/2" x 7 1/4"

Ridge = 1 1/2" x 11 1/4"

Fascia = 3/4" x 5 1/2"

Ridge Allowance = 1 1/16"

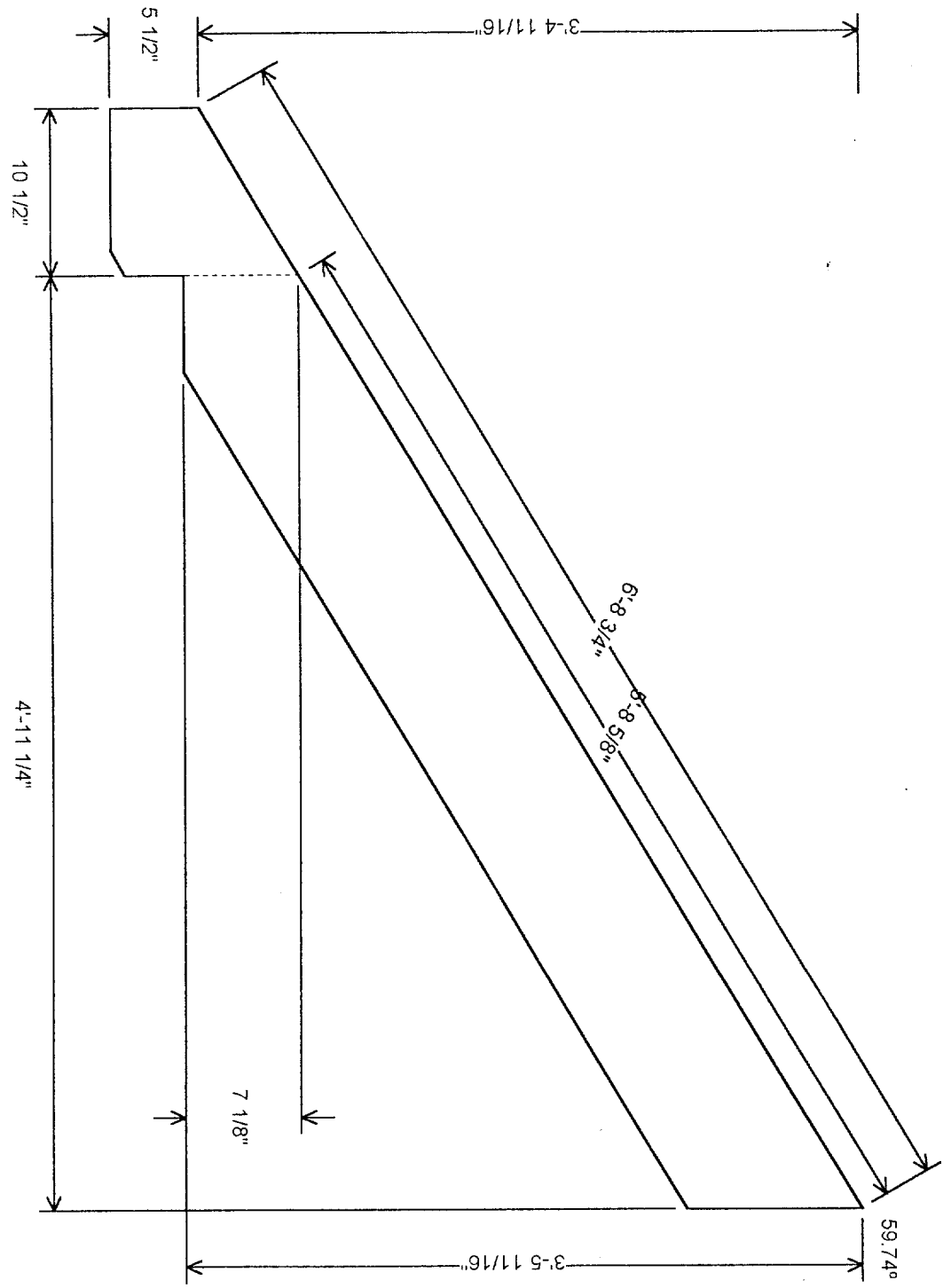
Adjusted Run = 14'-0 5/8"

Common Diff 16" = 1'-6 1/2"

Common Diff 24" = 2'-3 13/16"

*Handwritten note: Gable roof w/ low rafter*

7/12



**Common Rafter**

Slope = 7/12 (30.2564°)

Run = 5'-0"

Overhang = 10 1/2"

Heel = 7 1/8"

Seat = 6 1/8"

Common = 1 1/2" x 9 1/4"

Ridge = 1 1/2" x 11 1/4"

Fascia = 3/4" x 5 1/2"

Ridge Allowance = 3/4"

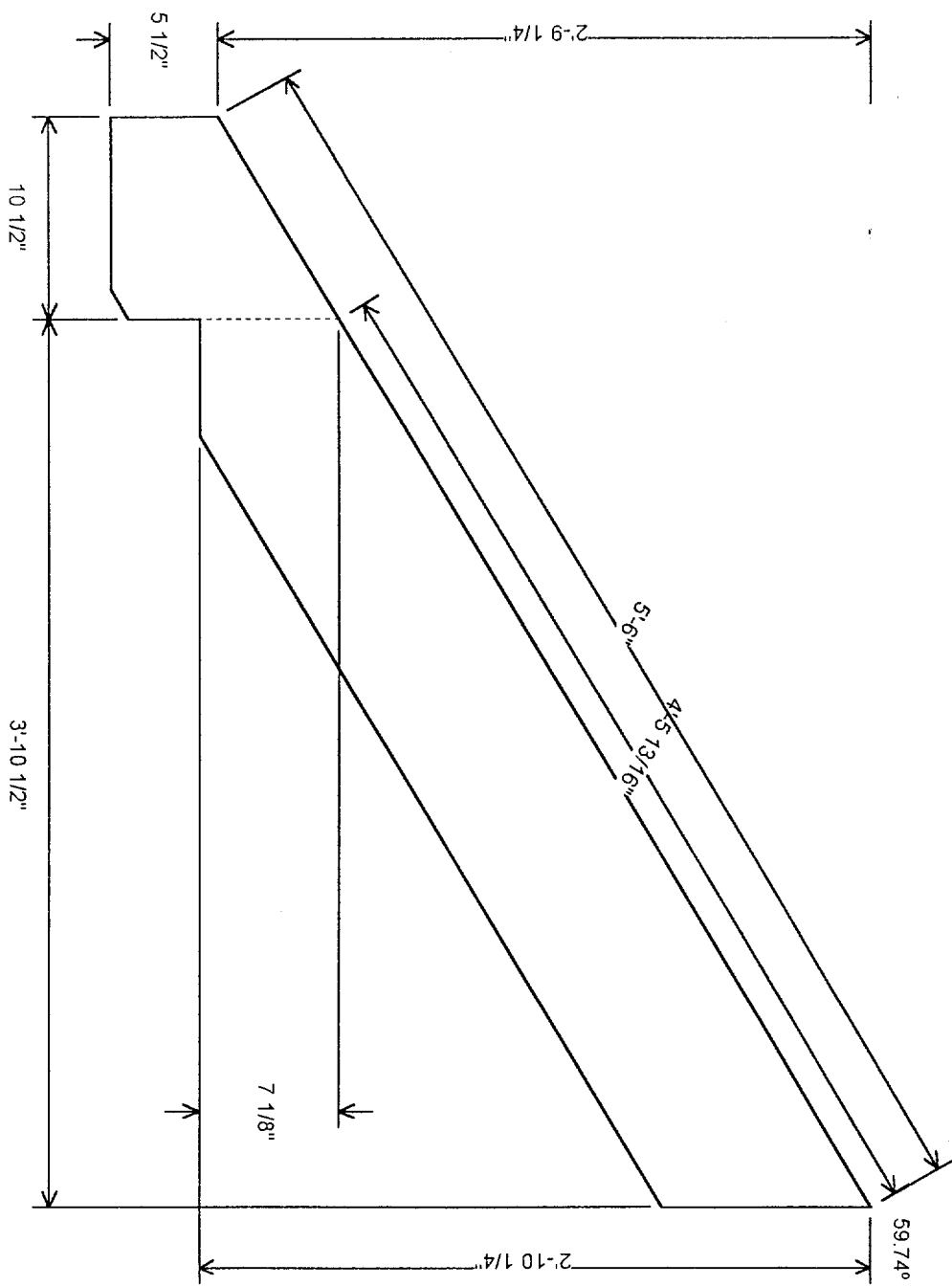
Adjusted Run = 4'-11 1/4"

Easy Rafter  
Attention to Detail  
FRONT OF GARAGE

Unit

6/6/07 55:53 PM

7/12



**Shed Rafter**

Slope = 7/12 (30.2564°)  
Run = 4'-0"  
Overhang = 10 1/2"  
Heel = 7 1/8"  
Seat = 6 1/8"

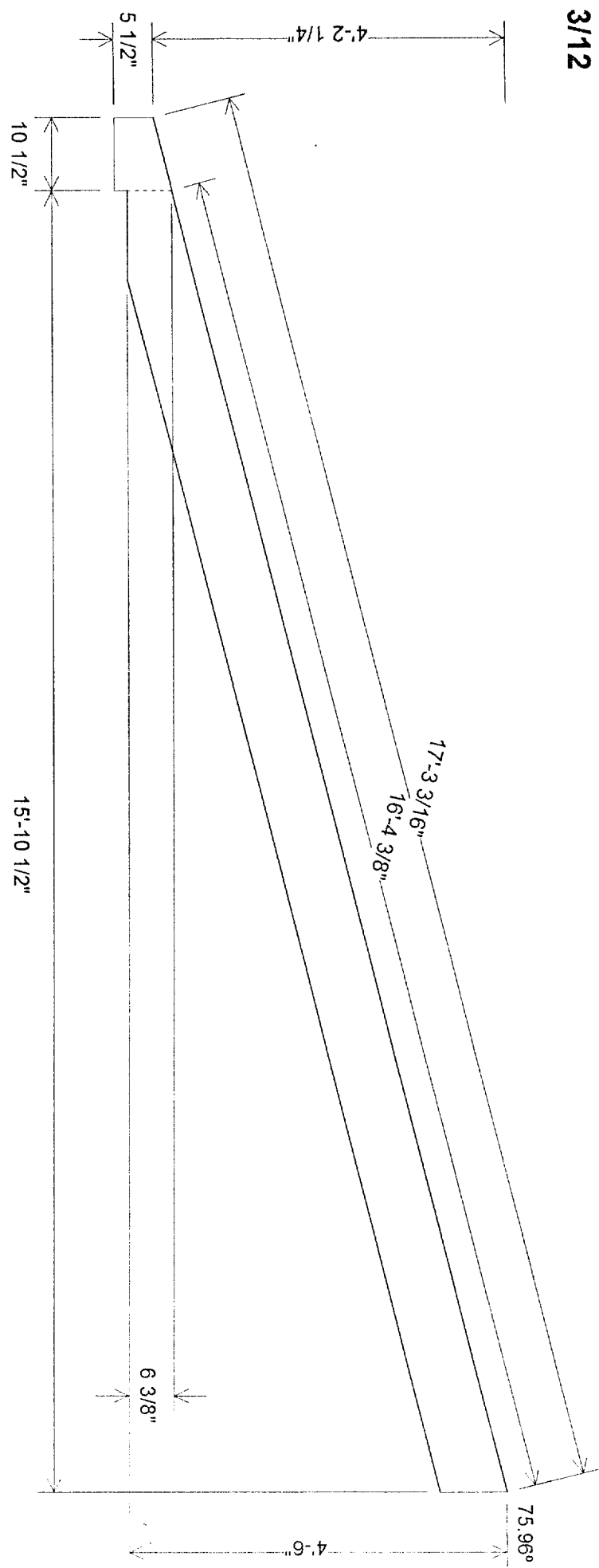
Common = 1 1/2" x 9 1/4"  
Ridge = 1 1/2" x 11 1/4"  
Fascia = 3/4" x 5 1/2"  
Ridge Allowance = 1 1/2"  
Adjusted Run = 3'-10 1/2"

GREAT ROOM

2x12 15 Rafters 14.0d

OR 2x10 x 12" o/c

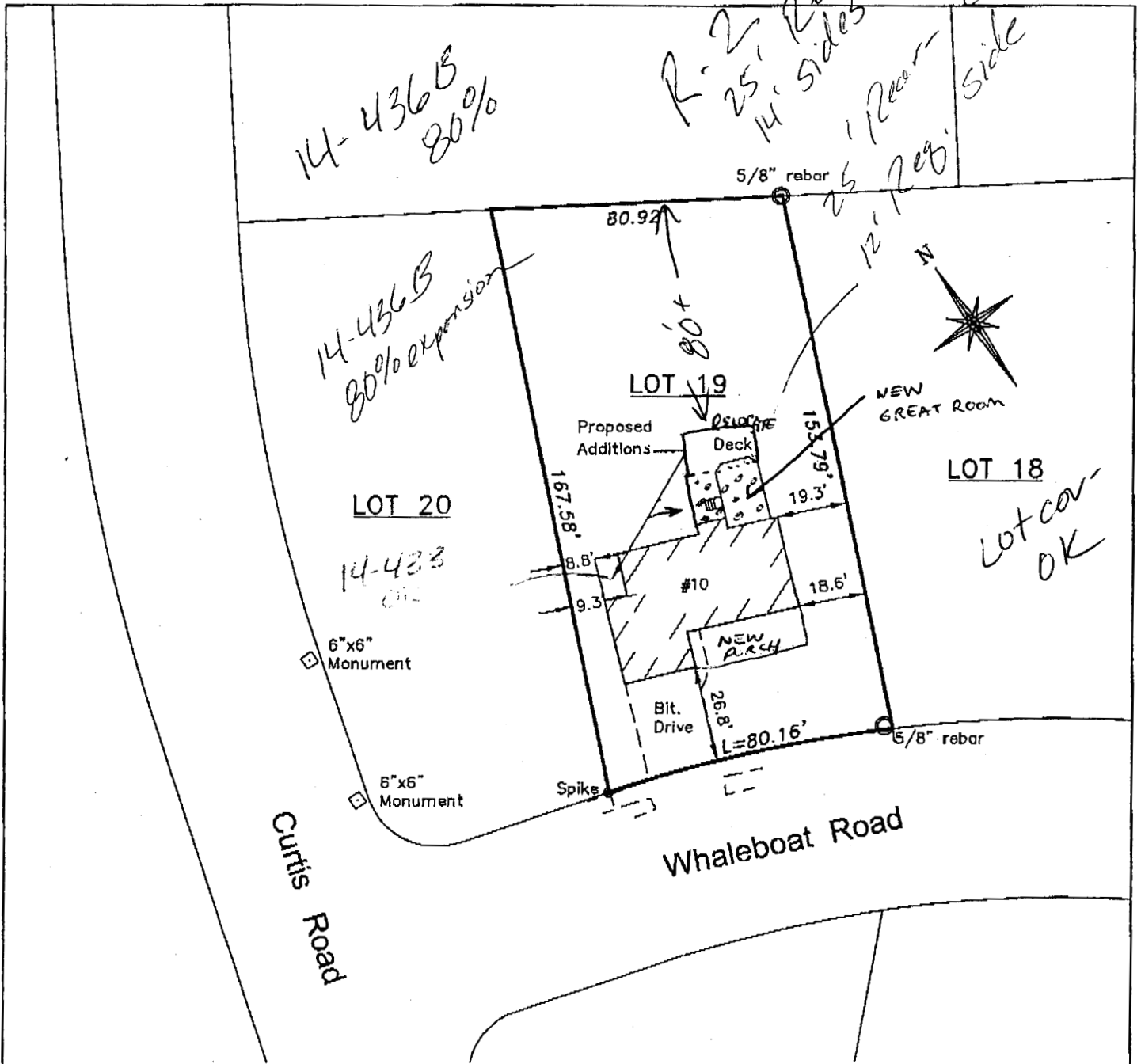
3/12



Shed Rafter

Slope = 3/12 (14.0362°)  
 Run = 16'-0"  
 Overhang = 10 1/2"  
 Heel = 6 3/8"  
 Seat = 1'-0 11/16"

Common = 1 1/2" x 9 1/4"  
 Ridge = 1 1/2" x 9 1/4"  
 Fascia = 3/4" x 5 1/2"  
 Ridge Allowance = 1 1/2"  
 Adjusted Run = 15'-10 1/2"



Sketch of Building Location Lot 19 Presumpscot River Place II  
 made for  
 Steven M. Berg

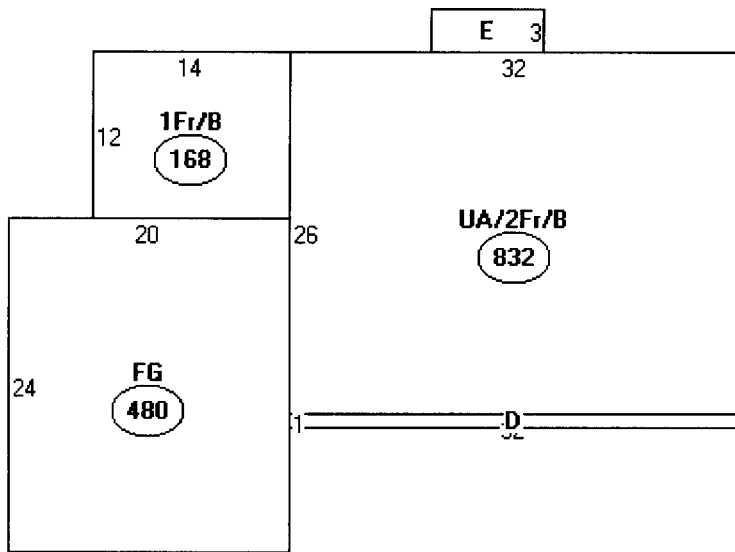
This is NOT a boundary survey. The purpose of this sketch is to depict the location of the improvements found on #10 Whaleboat Road Portland, Maine, being Lot 19 as shown on the Recording Plat of Presumpscot River Place II recorded in the Cumberland County Registry of Deeds in Plan Book 149, Page 64.

JOB# 205024	SCALE: 1"=40'
BOOK# 692A	DATE: March 29, 2005
FILE#	DWG: 205024.dwg



*Titcomb Associates*

133 Gray Road  
 Falmouth, Maine 04105 (207) 797-9199



Descriptor/Area

A: UA/2Fr/B  
832 sqft

B: FG  
480 sqft

C: 1Fr/B  
168 sqft

D: 1Fr  
32 sqft

E: FOH  
24 sqft

This page contains a detailed description of the Parcel ID you selected. Press the **New Search** button at the bottom of the screen to submit a new query.

**Current Owner Information**

<b>Card Number</b>	1 of 1
<b>Parcel ID</b>	393 I006001
<b>Location</b>	10 WHALEBOAT RD
<b>Land Use</b>	SINGLE FAMILY
 <b>Owner Address</b>	 BERG CINDI J 10 WHALEBOAT RD PORTLAND ME 04103
 <b>Book/Page</b>	 11956/340
<b>Legal</b>	393-1-6 WHALEBOAT RD 8-12  12743 SF

**Current Assessed Valuation For Fiscal Year 2006**

<b>Land</b>	<b>Building</b>	<b>Total</b>
\$62,160	\$156,740	\$218,900

**Estimated Assessed Valuation For Fiscal Year 2007\***

<b>Land</b>	<b>Building</b>	<b>Total</b>
\$88,300	\$185,900	\$274,200

\* Value subject to change based upon review of property status as of 4/1/06.  
The tax rate will be determined by City Council in May 2006.

**Property Information**

<b>Year Built</b> 1986	<b>Style</b> Garrison	<b>Story Height</b> 2	<b>Sq. Ft.</b> 1888	<b>Total Acres</b> 0.293	
<b>Bedrooms</b> 3	<b>Full Baths</b> 2	<b>Half Baths</b> 1	<b>Total Rooms</b> 6	<b>Attic</b> Unfin	<b>Basement</b> Full

**Outbuildings**

<b>Type</b>	<b>Quantity</b>	<b>Year Built</b>	<b>Size</b>	<b>Grade</b>	<b>Condition</b>
-------------	-----------------	-------------------	-------------	--------------	------------------

**Sales Information**

<b>Date</b> 06/12/1995	<b>Type</b> LAND + BLDING	<b>Price</b> \$160,500	<b>Book/Page</b> 11956-340
---------------------------	------------------------------	---------------------------	-------------------------------

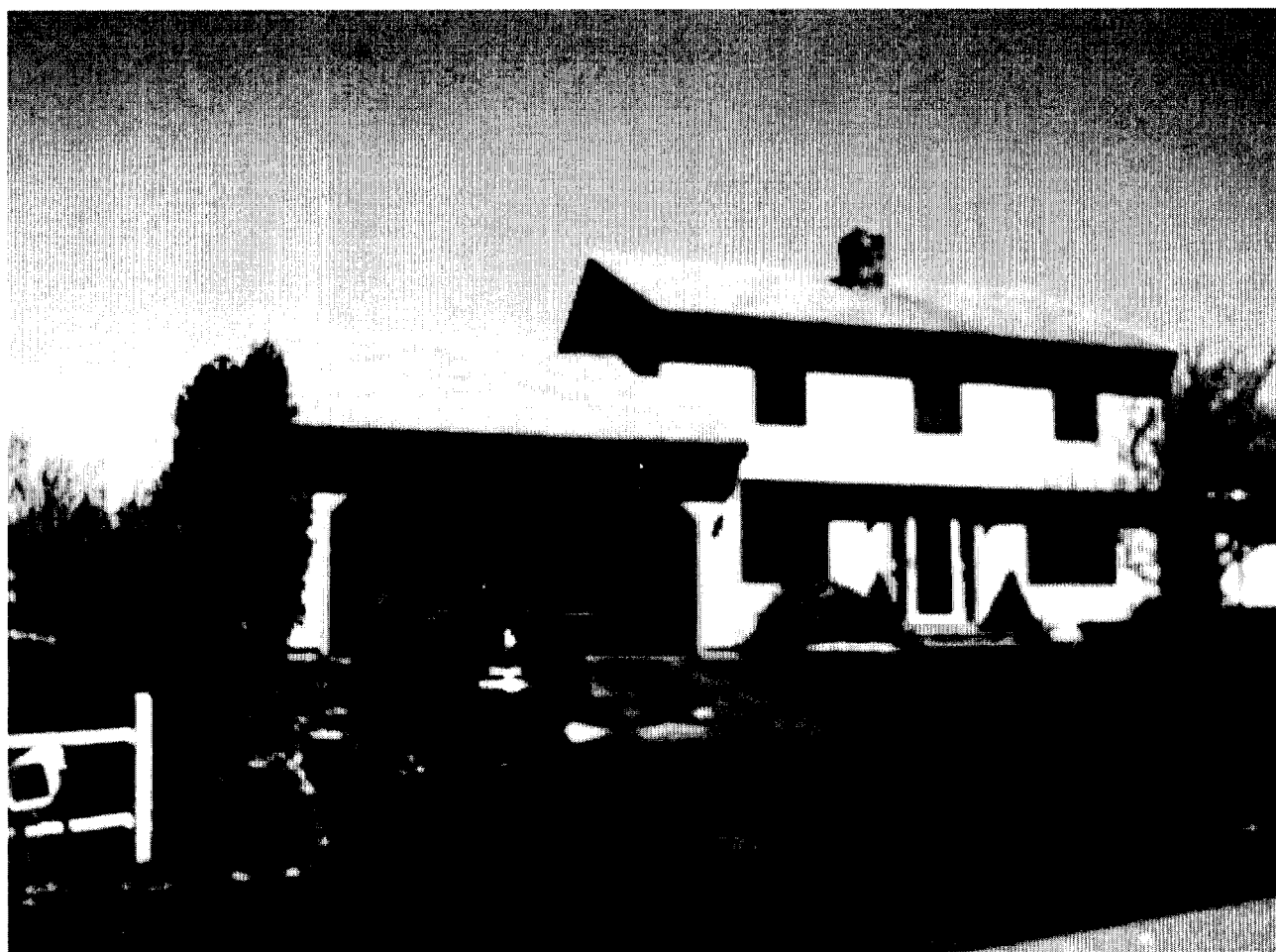
**Picture and Sketch**

[Picture](#)      [Sketch](#)      [Tax Map](#)

[Click here](#) to view Tax Roll Information.

Any information concerning tax payments should be directed to the Treasury office at 874-8490 or e-







**Steven M. Berg**  
10 Whaleboat Road  
Portland, Maine 04103  
207 883-5505 (W)  
207 878-8394 (H)  
207 741-8260 (Pager)

April 20, 2005

Tammy Munson  
Planning and Development Department  
Housing & Neighborhood Services Division  
City of Portland  
389 Congress Street  
Portland, Maine 04101

RE: 10 Whaleboat Road – Proposed addition to Single family Residence  
Map 393-I-06

Dear Tammy,

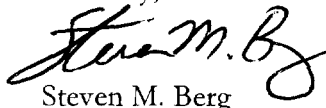
As a follow-up to our previous conversation, I am enclosing a building permit application for the construction of an addition to the existing single family residence located at 10 Whaleboat Road that is located in an R-2 zone. The existing residence was built in 1986. The proposed addition on the left side of the property as you go to the residence from the street will come within 8.8' of the side property line. A setback of 19.3' will remain on the opposite side yard for a combined minimum side setback of 28.1 feet.

The lot size is 12,745 square feet. The existing residence contains 1,888 square feet or 2,368 square feet if the garage footprint is included. The existing first floor footprint is 1,480 square feet with the garage. A **320** square foot (16' x 20') single story addition is proposed for the rear of the first floor, a 6' x 12' area (**72 sf**) in the rear of the garage will be added to square off the back corner of the residence and a **720** square foot addition is proposed on the second floor over the existing single story garage for a total of **1,122** square feet of new construction. The proposed first floor footprint will be 1,872 square feet, a 22% increase from the existing 1,480 first floor footprint. Section 14-433 of the Land Use Code appears to allow the reduction of the setback requirement from 14' to 5' in cases such as this permit application on lots in the R-2 zone that contain principal structures of record built prior to July 19, 1988.

A farmer's porch is planned for the front approximately 26' from the front property line. Please let me know if any further information or clarification is required.

Thank you in advance for your anticipated assistance.

Sincerely,



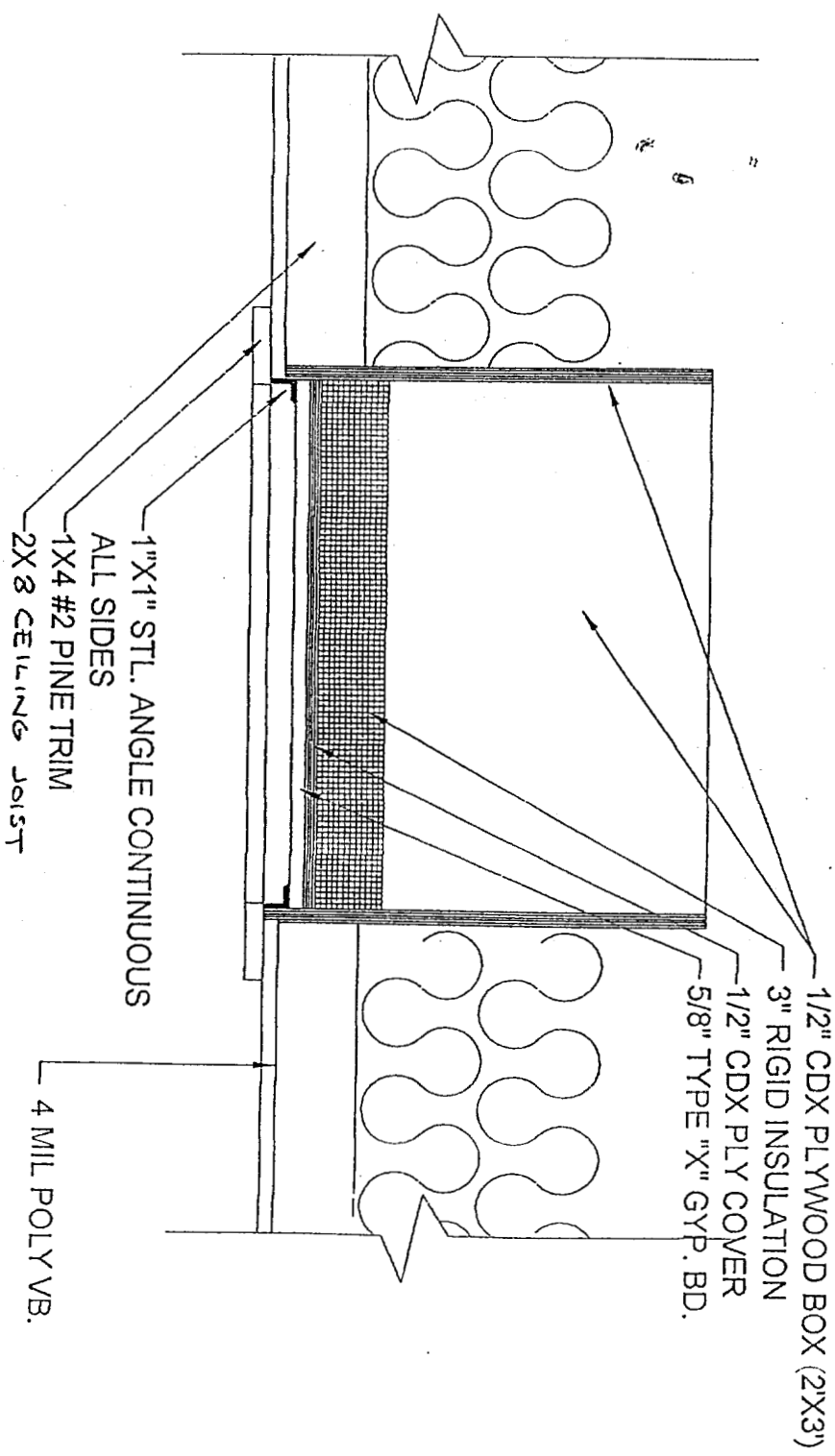
Steven M. Berg

# Header Schedule

Berg Addition  
10 Whaleboat Road

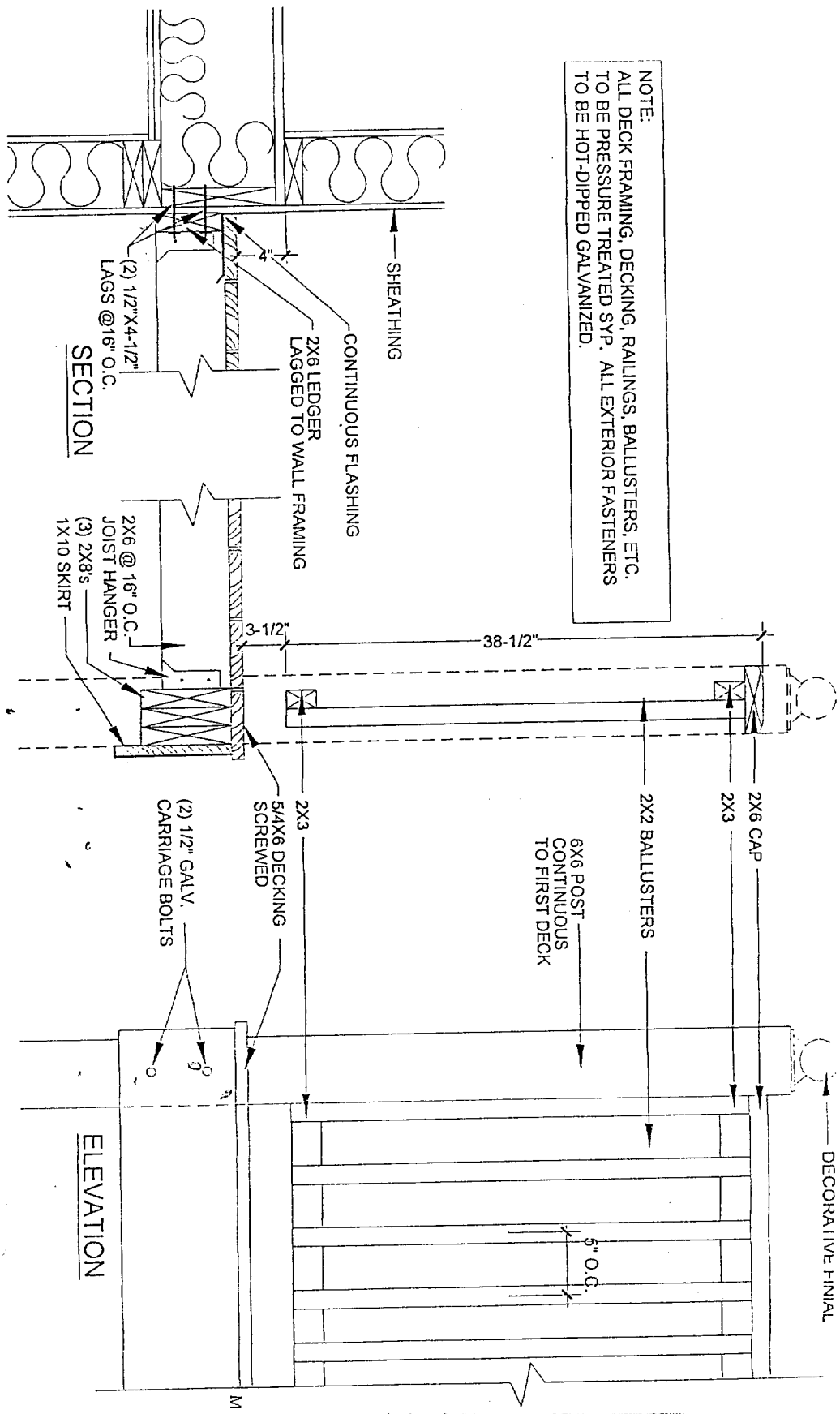
Span	Header Size	
	Single Story Load	Two Story Load
0' to 4'	4 x 4	4 x 6
4' to 6'	4 x 6	4 x 8
6' to 8'	4 x 8	4 x 10
8' to 10'	4 x 10	4 x 12
10' to 12'	4 x 12	4 x 14

*All 2x10's*



ATTIC SCUTTLE DETAIL

NOTE:  
 ALL DECK FRAMING, DECKING, RAILINGS, BALLUSTERS, ETC.  
 TO BE PRESSURE TREATED SYP. ALL EXTERIOR FASTENERS  
 TO BE HOT-DIPPED GALVANIZED.



SECTION

ELEVATION

**Steven & Cindi Berg**

10 Whaleboat Road  
Portland, Maine 04103

July 25, 2005

Tammy Munson  
Code Enforcement Officer  
City of Portland  
Planning & Development Department  
Housing & Neighborhood Services Division  
389 Congress Street  
Portland, Maine 04101

RE: Building Permit – Addition to Single Family Residence  
Map 393 – I – 6

Dear Tammy:

As a follow-up to our previous meeting, I asked Jen Berger to make the following changes to the plan.

Specifically, she added the following notes/details:

- ✓ All 2 x 10" rafters to be 12" OC instead of 16" OC
- ✓ All 2 x 8 ceiling joists at 12" OC
- ✓ Anchor bolts 72" OC max and 12" within corners
- ✓ Sonotubes to be 48" below grade /10" size diameter
- ✓ Show 3 -2x10's as header over new basement entry into area under great room

The floor joists are doubled up on each side under the front second floor garage window to carry the weight of the window area.

Notes added to show where egress windows are required.

- ✓ The steel beam in the garage is to be wrapped in 5/8" Fire rated sheetrock.
- ✓ Info on steel beam is attached. (Provided by Goldstein Steel)
- ✓ Hardwired and interconnected smokes in all bedrooms. Note added
- ✓ Access to attic area over new garage 2<sup>nd</sup> floor is shown thru scuttle in a closet.

Stair detail for Farmers porch has been added.

Thank you for your assistance.

*Steve Berg*