

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

Permit No: 02-1235	Issue Date: DEC - 5 2002	CBL: 212 A058001
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Location of Construction: 50 Tide Mill Rd	Owner Name: Coutier Construction	Owner Address: 122 Clifford Road CITY OF PORTLAND	Phone: 207-799-6232
Business Name: n/a	Contractor Name: Coutier Construction, Inc.	Contractor Address: 122 Clifford Street South Portland	Phone: 2077006232
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Single Family	Zone: R-2

Past Use: Vacant	Proposed Use: Single Family / New 41' x 35' home with 24' x 28' two car attached garage.	Permit Fee: \$1,953.00	Cost of Work: \$265,000.00	CEO District: 3
Proposed Project Description: New 41' x 35' home with 24' x 28' two car attached garage.		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type: 50 2/4/02	
		Signature: [Signature]		Signature: [Signature]
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: gg	Date Applied For: 10/31/2002	<b>Zoning Approval</b>		
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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..

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland <i>N/A</i>	<input type="checkbox"/> Variance	<input checked="" type="checkbox"/> Not in District or Landmark
<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
<input type="checkbox"/> Flood Zone <i>Panel 12 zone</i>	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
<input checked="" type="checkbox"/> Site Plan <i>2002-0236</i>	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date: <i>4/12/02</i>	Date: _____	Date: _____

**CERTIFICATION**

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

\_\_\_\_\_  
SIGNATURE OF APPLICANT ADDRESS DATE PHONE

\_\_\_\_\_  
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

# All Purpose Building Permit Application

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

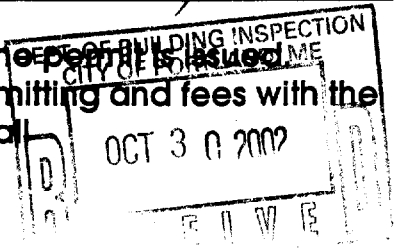
Location/Address of Construction: <u>50 TIDE MILL ROAD Portland ME 04102 (LOT 5)</u>	
Total Square Footage of Proposed Structure <u>3,300</u>	Square Footage of Lot <u>20,739</u>
Tax Assessor's Chart, Block & Lot Chart# <u>MAP 212-A-LOT 58</u> Block# Lot#	Owner: <u>Cloutier Construction INC.</u> Telephone: <u>799-6232</u> <i>call</i>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Michael Cloutier</u> <u>122 Clifford St.</u> <u>South Portland ME 04106</u>
	Cost Of Work: \$ <u>265,000</u> Fee: \$ Bldg Fee 1878.00 Site Fee 200.00 Coy 15.00 <u>Total \$ 2,253.</u>
Current use: <u>Low LAND</u>	
If the location is currently vacant, what was prior use: _____	
Approximately how long has it been vacant: _____	
Proposed use: <u>Single Family Home</u>	
Project description: <u>41' x 35' attached 2 car garage 24' x 28'</u>	
Contractor's name, address & telephone: <u>Cloutier Construction Inc.</u> <u>122 Clifford St. S.P. ME 04106</u> <u>799-6232 office</u> <u>671-9905 cell</u>	
Who should we contact when the permit is ready: <u>Michael Cloutier</u>	
Mailing address: <u>122 Clifford St South Portland ME 04106</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>671-9905</u> <i>call</i>	

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: [Signature] Date: OCT 29, 2002

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



Applicant: Coutier Construction Date: 11/12/02  
Address: 50 Tide Mill Rd C-B-L: 212-A-58

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New # 02-1235

Zone Location - R-2

Interior or corner lot -

Proposed Use/Work - Construct New 35' x 42' single family with 24' x 28' 2 car garage

Sevage Disposal - City

Lot Street Frontage - 50' min req - 50' per assessor

Front Yard - 25' min req - 25' + show

Rear Yard - 25' min req - 30' + show

Side Yard - 14ft min req - 14' + 22' show

Projections - rear turret - front entry - left side gas chimney  
Not more than 2 feet in the side setback

Width of Lot - 80' require. - 108' scaled

Height - 35' max - 26.75' sh

Lot Area - 10,000<sup>sq</sup> min 20,739<sup>sq</sup> show

Lot Coverage/ Impervious Surface - 20% MAX of 4147.8<sup>sq</sup> MAX

Area per Family - 10,000<sup>sq</sup>

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

Loading Bays - N/A

Site Plan - # 2002 - 0236

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - Panel 12 - Zone X

~~35 x 42 = 1470~~  
~~24 x 28 = 672~~  
2142<sup>sq</sup>

Not A full daylight basement in rear - only a partial on left side of Bldg

2-1235

Zoning

Approved with Conditions

Marge Schmuckal

50 Tide Mill Rd.

11/12/2002

11/04/2002



Marge Schmuckal

11/12/2002

10/31/2002

gg

11/12/2002

mes

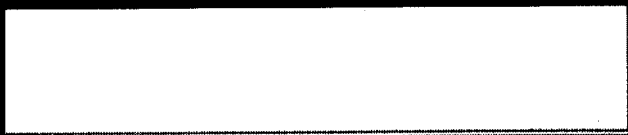
2-1235

Building

Approved with Conditions

Mike Nugent

12/04/2002



11/15/2002



Mike Nugent

12/04/2002

- 1) Basement stairs must be enclosed.
- 2) Winders must be no less than 6 inches at their narrowest point and at least 10 " (net tread ) at a distance 12 inches from the narrowest point.

10/31/2002

gg

12/04/2002

mjn

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

**2002-0236**  
Application I. D. Number  
**10/30/2002**  
Application Date  
**50 Tide Mill Road (Lot # 5)**  
Project Name/Description

**Cloutier Construction**  
Applicant  
**122 Clifford St, Portland, ME 04101**  
Applicant's Mailing Address

Consultant/Agent  
**Applicant Ph: (207) 799-6232 Agent Fax:**  
Applicant or Agent Daytime Telephone, Fax

**50 - 50 Tide Mill Rd, Portland, Maine**  
Address of Proposed Site  
**212 A058001**  
Assessor's Reference: Chart-Block-Lot

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

**3,300 sq. Ft.** **20,739 sq. Ft.**  
Proposed Building square Feet or # of Units Acreage of Site Zoning

**Check Review Required:**

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

Fees Paid: Site Plan **\$50.00** Subdivision \_\_\_\_\_ Engineer Review **\$250.00** Date **10/31/2002**

**DRC Approval Status:**

Approved **See Attached**  Denied **Additional Sheets Attached**  
Approval Expiration **11/14/2003** Extension to **11/14/2002**  
 Condition Compliance **Jay Reynolds** signature **11/14/2002** date

Performance Guarantee  Required\*  Not Required

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

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

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

**2002-0236**

Application I. D. Number

**10/30/2002**

Application Date

**50 Tide Mill Road (Lot # 5)**

Project Name/Description

**Cloutier Construction**

Applicant

**122 Clifford St, Portland, ME 04101**

Applicant's Mailing Address

Consultant/Agent

**Applicant Ph: (207) 799-6232      Agent Fax:**

Applicant or Agent Daytime Telephone, Fax

**50 - 50 Tide Mill Rd, Portland, Maine**

Address of Proposed Site

**212 A058001**

Assessor's Reference: Chart-Block-Lot

**Approval Conditions of DRC**

- 1 **GUARD RAILS WILL BE REQUIRED (PER BOCA CODE) ALONG THE THREE RETAINING WALLS.**
- 2 **CLEANOUTS MUST BE INSTALLED ON THE SANITARY AND STORM DRAIN LATERALS (PER CODE), WITHIN 80 FEET FROM THE MAIN LINES OF EACH UTILITY.**
- 3 **All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a Certificate of Occupancy.**
- 4 **Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.**
- 5 **Your new street address is now 50 TIDE MILL ROAD, the number must be displayed on the street frontage of your house prior to issuance of a Certificate of Occupancy.**
- 6 **The Development Review Coordinator (874-8632) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.**
- 7 **A sewer permit is required for you project. Please contact Carol Merritt at 874-8300, ext . 8822. The Wastewater and Drainage section of Public Works must be notified five (5) working days prior to sewer connection to schedule an inspector for your site.**
- 8 **As-built record information for sewer and stormwater service connections must be submitted to Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy.**
- 9 **The site contractor shall establish finish grades at the foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.**
- 01 **The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.**

**Warranty Deed**  
Maine Statutory Short Form

**Know all Men by these Presents,**

That I, **ROBERT E. KURZIUS**, of Boothbay Harbor, County of Lincoln, State of Maine, in consideration of One Dollar and other valuable consideration paid by **CLOUTIER CONSTRUCTION, INC.**, located at 19 Chase Street, South Portland, Maine 04106 the receipt whereof, he does hereby acknowledge, does hereby give, grant, bargain, sell and convey unto the said **CLOUTIER CONSTRUCTION, INC.**, its successors and assigns forever, a certain lot situated in Portland, County of Cumberland, and State of Maine, described as follows:

A certain lot or parcel of land, together with any improvements thereon, situated on the easterly side of Tide Mill Road in the City of Portland, County of Cumberland, State of Maine, and being Lot 5 as shown on Property Plan of Harrow Farm Estates made for Kelsar Corporation by R.P. Titcomb Associates, Inc. dated August 25, 1986 and recorded in the Cumberland County Registry of Deeds in Plan Book 160, Page 43. The above-described premises are conveyed subject to and together with the benefit of the terms and provisions of Harrow Farm Estates Declaration of Covenants and Restrictions by Robert E. Kurzius dated May 1, 1997 and recorded on May 30, 1997 in Book 13107, page 224. Lot 5 is a portion of the premises conveyed to the **Grantor** by quitclaim deed from Peoples Heritage Savings Bank dated November 14, 1990 and recorded in the Cumberland County Registry of Deeds in Book 9385, Page 186.


**TO HAVE AND TO HOLD** the aforegranted and bargained premises with all the privileges and appurtenances thereof to the said **CLOUTIER CONSTRUCTION, INC.**, its successors and assigns, for its use and behoof forever.

**AND Grantor**, does **COVENANT** with the said **Grantee**, its successors and assigns, that it is lawfully seized in fee of the premises; that they are free of all encumbrances excepting easements of record; that he has good right to sell and convey the same to the said **Grantees** to hold as aforesaid; and that he and his successors shall and will **WARRANT and DEFEND** the same to the said **Grantee**, its successors and assigns forever, against the lawful claims and demands of all persons.

**IN WITNESS WHEREOF, I, ROBERT E. KURZIUS, Grantor**, have hereunto set my hand and seal this 23<sup>rd</sup> day of July, 2002.

Signed, Sealed and Delivered  
In the Presence of:


  
Witness

  
Grantor

STATE OF MAINE  
County of Cumberland, ss.

Dated: July 23, 2002

Personally appeared before me the above-named **ROBERT E. KURZIUS** and acknowledged the above instrument to be his free act and deed.

  
Notary Public/Attorney at Law



RESIDENTIAL CONSTRUCTION AGREEMENT

*This Residential Construction Agreement is made and agreed on the effective date set forth below by and between:*

*Cloutier Construction, Inc.*

*whose mailing address is:*

*Michael M. Cloutier, President  
122 Clifford Street  
South Portland, Maine 04106*

*(hereinafter referred to as "Seller")*

*and*

Eric Dawson

*whose mailing address is:*

8 Tide Mill Rd  
Portland ME. 04102

*(hereinafter collectively referred to as "Purchaser")*

*relating to residential construction upon certain real property situated at:*

**WITNESSETH**

*WHEREAS, Purchaser is presently the owner of the premises, and*

*WHEREAS, the Seller has agreed to construct a Colonial style residence with attached two-car garage on said Premises, all in accordance with the terms and conditions set forth on the plans and specifications agreed by the parties and incorporated herein by reference.*

*NOW, THEREFORE, in consideration of the mutual covenants and promises contained herein, the parties agree as follows:*

**I. Subject Property.**

# 8000TRD

## 42" TOP/REAR VENTED DIRECT VENT GAS FIREPLACE

Model	Product	Suggested Retail
8000TRD	Direct Vent Unit	\$1,699
8000TRDLP	Direct Vent LP Unit	\$1,699
8000TRD-IPI	Direct Vent Unit with Spark to Pilot Ignition (IPI)	\$1,699
8000TRD-IPI-LP	Direct Vent LP Unit with Spark to Pilot Ignition (IPI)	\$1,699

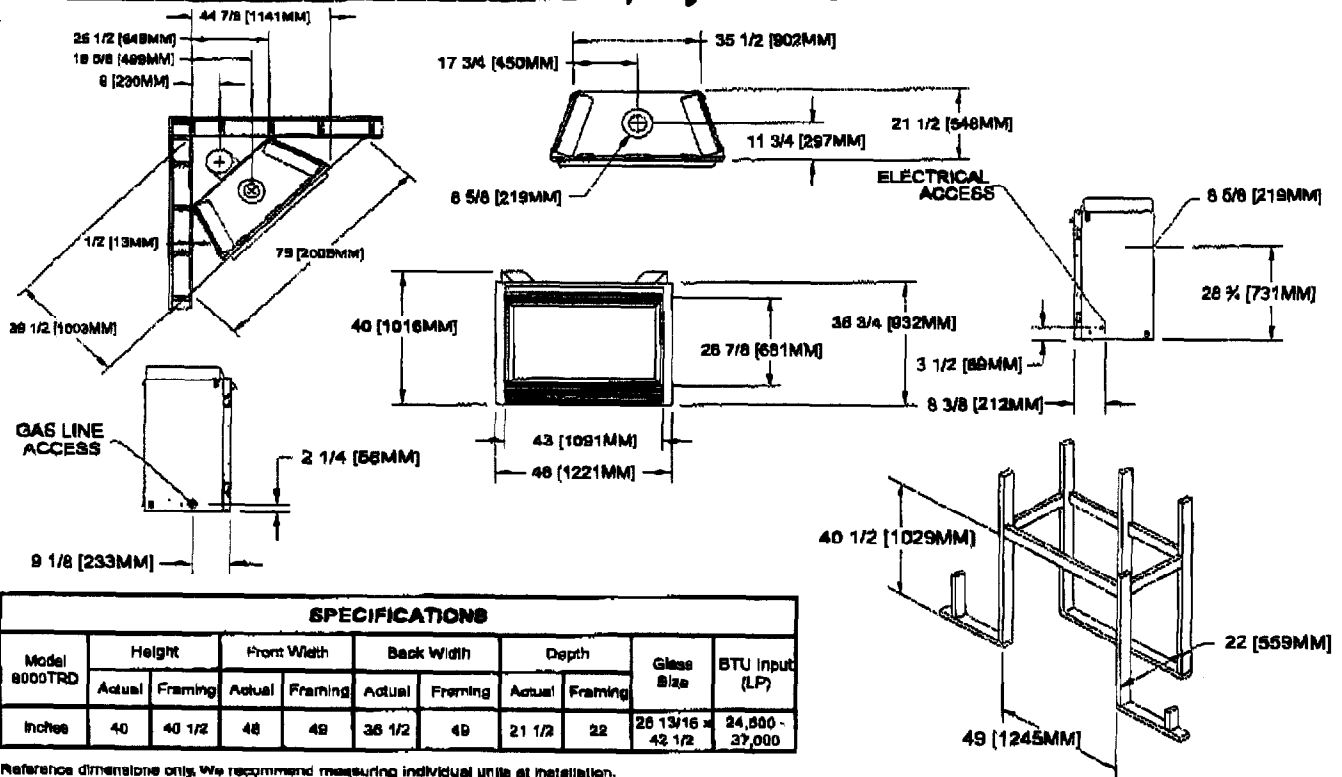
**Note: Front and Louvers Not Included - Please Order Separately**

### Features & Benefits

- Eight Ceramic Fiber Logs
- 24,500 - 37,700 BTU Input/Hr. NG
- Top or Rear Direct Vent
- Variable Valve
- High Thermal Efficiency
- Sealed Combustion Chamber
- Fixed Mesh Screen and Brass Trim Options
- Optional Firebox Refractory
- Recreate the Look & Feel of a Traditional Fire
- Generous Flames & Heat Output
- Installation Flexibility
- Vary Flame Height & Heat Output
- Keeps You Warm & Cozy
- Works In Negative Pressure Situations & No Cold Drafts
- Attractive Decorative Finish
- Enhanced Realism
- Safety Tested, Approved for Installation in Aftermarket Mobile Homes & UL Listed to UL307B

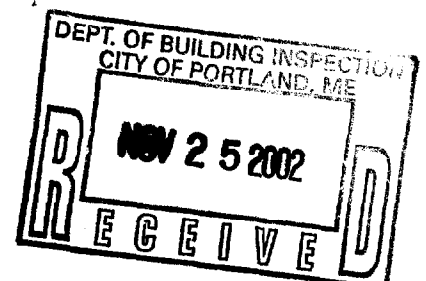


### Specifications



SPECIFICATIONS										
Model	Height		Front Width		Back Width		Depth		Glass Size	BTU Input (LP)
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
8000TRD	40	40 1/2	48	49	36 1/2	49	21 1/2	22	26 13/16 - 42 1/2	24,500 - 37,000

Reference dimensions only. We recommend measuring individual units at installation.



STRUCTURAL STEEL  
 STRUCTURAL STEEL  
 STRUCTURAL STEEL  
 STRUCTURAL STEEL

# GOLDSTEIN STEEL CO., INC.

DIAL (207) 839-3411 FAX (207) 839-3726

P.O. BOX 277 / GORHAM, ME 04038-0277

YARD: 36 RUNNING HILL ROAD ■ SCARBOROUGH, MAINE

BUILDING PRODUCT  
 BUILDING PRODUCT  
 BUILDING PRODUCT  
 BUILDING PRODUCT

671 9905

SOLD TO Clauder Co

ADDRESS \_\_\_\_\_

SHIPPED TO \_\_\_\_\_

ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_

PO# \_\_\_\_\_

CHECK # \_\_\_\_\_

SALESPERSON \_\_\_\_\_

QUANTITY	DESCRIPTION	UNIT COST	EXTENSION
①	GARAGE BEAM W14x38	438.40	
1	FOUNDATION 24'6" 38		
	<del>W8x31</del> 15' W8x31 2x8	465.70	BOTH
	FIRST FLOOR W8x31 15'		
	ROOF FLOOR 25 FT post 15x7 W		465.70
	W 24 FT W14x38 488.80 W8x31	488.80	

ALL DELIVERIES BEYOND CURB ARE MADE AT OWNERS RISK

No. 4292

RECEIVED SUBJECT TO MATERIAL PROVISIONS AND CONDITIONS OF SALE CONTAINED ON THE REVERSE SIDE HEREOF.

X

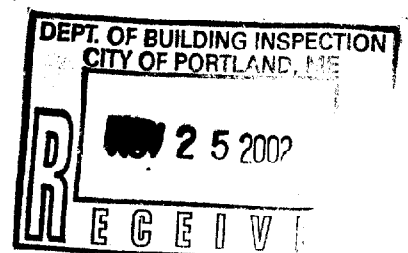
TAX

GRAND TOTAL

2000

2000

I BEAMS - ANGLES - CHANNELS - PLATES - FLATS - LALLY COLUMNS - WIRE MESH - REINFORCING RODS







BEAMS  
W Shapes

Allowable uniform loads in kips  
for beams laterally supported  
For beams laterally unsupported, see page 2-148

W 14



Designation	W 14			W 14			W 14		Deflection in.		
	Wt./ft	53	48	43	38	34	30	26		22	
Flange Width	8	8	8	6 3/4	6 3/4	6 3/4		5	5		
$L_c$	8.50	8.50	8.40	7.10	7.10	7.10		5.30	5.30		
$L_u$	17.7	16.0	14.4	11.5	10.2	8.70		7.00	5.60		
$F_y = 36$ ksi	Span in Feet	5						102	91	.04	
		6				126	115	108	93	77	.06
		7				124	110	95	80	66	.09
		8	148	135	120	108	96	83	70	57	.11
		9	137	124	110	96	86	74	62	51	.14
		10	123	111	99	86	77	67	56	46	.18
		11	112	101	90	79	70	60	51	42	.21
		12	103	93	83	72	64	55	47	38	.25
		13	95	86	76	67	59	51	43	35	.30
		14	88	80	71	62	55	48	40	33	.34
		15	82	74	66	58	51	44	37	31	.40
		16	77	70	62	54	48	42	35	29	.45
		17	72	66	58	51	45	39	33	27	.51
		18	68	62	55	48	43	37	31	26	.57
		19	65	59	52	46	41	35	29	24	.63
		20	62	56	50	43	38	33	28	23	.70
		21	59	53	47	41	37	32	27	22	.77
		22	56	51	45	39	35	30	25	21	.85
		23	54	48	43	38	33	29	24	20	.93
		24	51	46	41	36	32	28	23	19	1.01
		25	49	45	40	35	31	27	22	18	1.10
		26	47	43	38	33	30	26	22	18	1.19
		27	46	41	37	32	28	25	21	17	1.28
		28	44	40	35	31	27	24	20	16	1.38
		30	41	37	33	29	26	22	19	15	1.58
		32	39	35	31	27	24	21	17	14	1.80
		34	36	33	28	25	23	20	16	14	2.03

Properties and Reaction Values										
$S_x$ in. <sup>3</sup>	77.8	70.3	62.7	54.6	48.6	42.0	35.3	29.0		For explanation of deflection, see page 2-32
$V$ kips	74	68	60	63	57	54	51	46		
$R_1$ kips	31.6	27.8	23.8	19.6	16.9	15.0	14.2	12.0		
$R_2$ kips/in.	8.79	8.08	7.25	7.37	6.77	6.42	6.06	5.46		
$R_3$ kips	37.3	31.2	25.0	25.3	20.9	17.8	17.0	13.0		
$R_4$ kips/in.	3.37	2.93	2.40	2.51	2.23	2.26	1.74	1.62		
$R$ kips	49	41	33	34	29	26	23	19		

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

W 12



Allow  
for b  
For beam:

Designation	W 12				
Wt./ft	136	120	106		
Flange Width	12 3/4	23 3/4	12 1/4		
$L_c$	13.1	13.0	12.9		
$L_u$	53.2	48.2	43.3		
$F_y = 36$ ksi	Span in Feet	9	305	268	
		10	295	258	226
		11	268	235	209
		12	246	215	191
		13	227	199	177
		14	210	184	164
		15	196	172	153
		16	184	161	144
		17	173	152	135
		18	164	143	128
		19	155	136	121
		20	147	129	115
		21	140	123	109
		22	134	117	104
		23	128	112	100
		24	123	108	96
		25	118	103	92
		26	113	99	88
		27	109	96	85
		28	105	92	82
		29	102	89	79
		30	98	86	77

Properties				
$S_x$ in. <sup>3</sup>	186	163	145	131
$V$ kips	153	134	113	101
$R_1$ kips	90.9	76.4	61.1	53.1
$R_2$ kips/in.	18.8	16.9	14.5	13.1
$R_3$ kips	160	128	96.7	78.9
$R_4$ kips/in.	16.0	15.1	10.9	8.9
$R$ kips	157	136	112	99

Load above heavy line is limited by maximum allowable web shear.  
Values of  $R$  in bold face exceed maximum allowable values.

W Shapes  
Allowable uniform loads in kips  
for beams laterally supported  
For beams laterally unsupported, see page 2-146

W8  
I

Designation	W 8		W 8		W 8			Deflection In.		
	28	24	21	18	15	13	10			
Wt./ft	6½	6½	5¼	5¼	4	4	4			
Flange Width	6.90	6.90	5.60	5.50	4.20	4.20	4.20			
$L_c$	17.5	15.2	11.8	9.90	7.20	5.90	4.70			
$L_u$										
F <sub>y</sub> = 36 ksi	Span In Feet	2				57	53	39	.01	
		3				47	52	31	.03	
		4			60	54	47	39	31	.05
		5	66	56	58	48	37	31	25	.08
		6	64	55	48	40	31	26	21	.11
		7	55	47	41	34	27	22	18	.15
		8	48	41	36	30	23	20	15	.20
		9	43	37	32	27	21	17	14	.25
		10	38	33	29	24	19	16	12	.31
		11	35	30	26	22	17	14	11	.37
		12	32	28	24	20	16	13	10	.44
		13	30	25	22	19	14	12	10	.52
		14	27	24	21	17	13	11	8.8	.60
		15	26	22	19	16	12	10	8.2	.69
		16	24	21	18	15	12	10	7.7	.79
		17	23	19	17	14	11	9.2	7.5	.89
		18	21	18	16	13	10	8.7	7	1.00
		19	20	17	15	13	10	8.3	5	1.11
		20	19	17	14	12	9.3	7.8	6.2	1.23

Properties and Reaction Values

S <sub>x</sub> in. <sup>3</sup>	24.3	20.9	18.2	15.2	11.8	9.91	7.81	For explanation of deflection, see page 2-32
V kips	33	28	30	27	29	26	19	
R <sub>1</sub> kips	15.9	12.7	12.1	10.2	10.9	9.39	6.31	
R <sub>2</sub> kips/in.	6.77	5.82	5.94	5.46	5.82	5.46	4.04	
R <sub>3</sub> kips	21.2	15.6	16.1	12.9	13.9	11.4	6.47	
R <sub>4</sub> kips/in.	3.78	2.84	2.89	2.77	3.52	3.65	1.86	
R kips	34	26	26	23	26	24	13	

Load above heavy line is limited by maximum allowable web shear.  
Values of R in bold face exceed maximum web shear V.

W654  
I

W Shapes  
Allowable uniform loads in kips  
for beams laterally supported  
For beams laterally unsupported, see page 2-146

Designation	W 6			W 6			Deflection In.	W 5		Deflection In.	W 4	Defl	
	25	20	15*	16	12	9		19	16				
Wt./ft	6¼	6	6	4	4	4		5	5		4		
Flange Width	6.40	6.40	6.30	4.30	4.20	4.20		5.30	5.30		4.30		
$L_c$	20.0	16.4	12.0	12.0	8.60	6.70		19.5	16.7		15.6		
$L_u$													
F <sub>y</sub> = 36 ksi	Span In Feet	2				40						34	
		3				47	39	29				29	
		4	59	46	38	40	29	22		35		.04	22
		5	53	42	30	32	23	18		40	34	.08	22
		6	44	35	25	27	19	15		32	27	.12	17
		7	38	30	22	23	17	13		27	22	.18	14
		8	33	27	19	20	14	11		23	19	.24	12
		9	29	24	17	18	13	10		20	17	.31	11
		10	26	21	15	16	12	8.8		18	15	.40	10
		11	24	19	14	15	11	8.0		16	13	.49	8.6
		12	22	18	13	13	10	7.3		15	12	.59	
		13	20	16	12	12	8.9	6.8		13	11	.71	
		14	19	15	11	12	8.3	6.3				.80	

Properties and Reaction Values

S <sub>x</sub> in. <sup>3</sup>	18.7	13.4	9.72	10.2	7.31	5.56	For explanation of deflection, see page 2-32	10.2	8.51	For explanation of deflection, see page 2-32	5.46	For explanation of deflection, see page 2-32
V kips	29	23	20	24	20	14		20	17		17	
R <sub>1</sub> kips	15.4	11.6	8.54	11.6	8.54	5.68		13.0	10.7		11.4	
R <sub>2</sub> kips/in.	7.60	6.18	5.46	6.18	5.46	4.04		6.42	5.70		6.65	
R <sub>3</sub> kips	24.9	16.3	11.5	17.2	11.9	6.63		18.8	14.4		17.8	
R <sub>4</sub> kips/in.	6.91	4.75	4.78	4.23	4.41	2.37		5.44	4.69		9.36	
R kips	42	33	28	32	27	15		35	31		35	

\*Indicates noncompact shape.

Load above heavy line is limited by maximum allowable web shear.  
Values of R in bold face exceed maximum web shear V.

FOR SUNKEN  
NO STEER  
NO DECK!

FRAMING DETAIL  
LIVING ROOM

BEAM  
CORNER  
NEED

		Soil type/Presumptive Load Value (Table 401.4.1)
	<p>16" x 10" <del>STR</del> ?</p> <p>7'10" 4' - GANGE</p> <p>7'10" DEPTH DRAFT OK</p> <p>4" DEEP PIPE</p> <p>FABRICE</p> <p>N/A</p>	<p><b>STRUCTURAL</b></p> <p>Footing Dimensions/Depth (Table 403.1.1 &amp; 403.1.1(1), Section 403.1.2)</p>
		Foundation Drainage Dampproofing (Section 406)
		Ventilation (Section 409.1) Crawls Space ONLY
	<p>1/2" Bolt 6' o.c. 12" FROM CORNERS.</p> <p>3/4" STEEL - 6' 7 1/2" MAX. OK</p> <p>30" - <del>CONCRETE</del></p> <p>W/ 15A 15W 8x5T</p> <p>MAIN GIRDER 3 - 2x12'S</p>	Anchor Bolts/Straps (Section 403.1.4)
		Lally Column Type, Spacing and footing sizes (Table 502.3.4(2))
		Built-Up Wood Center Girder Dimension/Type (Table 502.3.4(2))
		Sill/Band Joist Type & Dimensions
	<p>2" x 10" / 6' o.c. OK</p> <p><del>NOT SHOWN. 2x6 OR 1x8 SILL</del></p>	First Floor Joist Species Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))
	<p><del>2" x 10" / 6' o.c. OK</del></p> <p>2" x 10" / 6' o.c. OK</p>	Second Floor Joist Species Dimensions and Spacing (Table 503.3.1(1) & Table 503.3.2(1))
	<p>WITH STAIR</p> <p>2" x 10" / 6' o.c. OK</p>	



Header Schedule	NOT	
Type of Heating System	NOT	
Stairs Number of Stairways		
Interior 7 1/4" X 10" Exterior	"PUSH" DOWN	
Treads and Risers (Section 314)		
Width		
Headroom		
Guardrails and Handrails (Section 315)		
Smoke Detectors Location and type/Interconnected		
Plan Reviewer Signature		

See Chimney Summary Checklist

		Attic or additional Floor Joist Species Dimensions and Spacing (Table 802.4.2 or 503.3.1(1) & Table 503.3.2(1))
	Roof Trusses	Roof Rafter; Pitch, Span, Spacing & Dimension (Table 802.3.2(7))
	Roof 5/8 Ply - fuses 3/4" ADVANTER W/ASCS <del>per SHOWN</del> 7/16 ADVANTER	Sheathing; Floor, Wall and roof (Table 503.2.1(1))
	NOT SHOWN	Fastener Schedule (Table 602.3(1) & (2))
	NOT SHOWN	Private Garage Section 309 and Section 407 1999 BOCA) Living Space ? (Above or beside) Fire separation
	NOT SHOWN	Fire rating of doors to living space Door Sill elevation (407.5 BOCA)
	<del>NOT INDICATED</del>	Egress Windows (Section 310)
	ASPHALT	Roof Covering (Chapter 9)
	<del>NOT SHOWN</del> OK	Safety Glazing (Section 308)
	NOT SHOWN	Attic Access (BOCA 1211.1)
		Draft Stopping around chimney

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DATE

PO#

CHECK #

SALESPERSON

QUANTITY	DESCRIPTION	UNIT COST	EXTENSION
①	GARAGE Beam W14x38	438.40	
1	FOUNDATION 24'6" 38		
	Basement <del>W8x31</del> 15' W8x31 2x8	465.70	90 FT
	FIRST FLOOR W8x31 15'		
	ROOFLODGE 25 FT post 15 FT W <del>W8x31</del>		465.70
	W 24 FT W14x38 488.80 W8x31 <del>W8x31</del>		
			800

ALL DELIVERIES BEYOND CURB ARE MADE AT OWNERS RISK

TAX

No. 4292

RECEIVED SUBJECT TO MATERIAL PROVISIONS AND CONDITIONS OF SALE CONTAINED ON THE REVERSE SIDE HEREOF.

X

GRAND TOTAL

I BEAMS - ANGLES - CHANNELS - PLATES - FLATS - LALLY COLUMNS - WIRE MESH - REINFORCING RODS

