

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

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

<b>Permit No:</b> 03-1463	<b>Issue Date:</b> DEC 1 2003	<b>CBL:</b> 327 B006001
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<b>Location of Construction:</b> 1832 Forest Ave	<b>Owner Name:</b> Rodway James A	<b>Owner Address:</b> 1832 Forest Ave	<b>Phone:</b> 878-8226
<b>Business Name:</b>	<b>Contractor Name:</b> self	<b>Contractor Address:</b> Portland	<b>Phone:</b>
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Amendment to Duplex	<b>Zone:</b> B2

<b>Past Use:</b> Duplex/Office	<b>Proposed Use:</b> Duplex/Office w/detached garage	<b>Permit Fee:</b>	<b>Cost of Work:</b> \$0.00	<b>CEO District:</b> 5
		<b>FIRE DEPT:</b> <input type="checkbox"/> Approved <input type="checkbox"/> Denied	<b>INSPECTION:</b> Use Group: U Type: SB Back 1999 accessory	

**Proposed Project Description:**  
Amend permit #03-1176 to add steel beam and 2x10 rafters, stairs will be a straight shot

Signature: \_\_\_\_\_  
Signature: *JMB 12/1/03*

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

Action:  Approved  Approved w/Conditions  Denied

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

<b>Permit Taken By:</b> jmb	<b>Date Applied For:</b> 12/01/2003	<b>Zoning Approval</b>	
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<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><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Major <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>JMB 12/01/03</i></p>	<p><b>Zoning Appeal</b></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>Date: _____</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District 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>JMB</i></p>
	<p><i>Approved same conditions as 03-1176</i></p>		

**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

Steel Spec

W 16

BEAMS  
W Shapes  
Allowable uniform loads in kips  
for beams laterally supported  
For Beams laterally unsupported, see page 2-145



Designation	W 16			Distortion F <sub>d</sub>
	W <sub>f</sub> ft	W <sub>w</sub> ft	W <sub>t</sub> ft	
Flange Width	10.9	9.9	7.7	5.7
L <sub>c</sub>	11.0	10.9	10.9	10.8
L <sub>u</sub>	18.1	25.2	27.9	9.3
1	286	323	215	26
2	277	315	212	25
3	252	297	193	22
4	231	285	177	20
5	213	269	164	18
6	198	252	152	16
7	185	234	142	15
8	173	218	133	14
9	163	204	125	13
10	154	191	118	12
11	146	179	112	11
12	139	168	106	10
13	132	157	101	9
14	126	147	96	8
15	121	137	92	8
16	116	128	88	7
17	111	119	84	7
18	107	111	81	7
19	102	103	78	6
20	99	95	75	6
21	92	88	71	6
22	87	82	68	5
23	82	77	65	5
24	78	72	62	5
25	74	67	59	4
26	70	62	56	4
27	66	58	53	4
28	62	54	50	3
29	58	50	47	3
30	54	46	44	3
31	50	42	41	3
32	46	38	38	2
33	42	34	35	2
34	38	30	32	2
35	34	26	29	2
36	30	22	26	2
37	26	18	23	2
38	22	14	20	2
39	18	10	17	2
40	14	6	14	2
41	10	2	11	2
42	6	0	8	2
43	2	0	5	2
44	0	0	2	2

Span in Feet  
F<sub>y</sub> = 36 ksi

Properties and Reaction Values

S <sub>x</sub> in <sup>4</sup>	175	155	134	117	101	86	72	59	47	36	26	17	10	5	2
S <sub>y</sub> in <sup>4</sup>	143	127	108	93	79	66	54	43	33	24	16	10	6	3	2
I <sub>x</sub> kips/ft	13.5	12.5	10.6	9.29	7.99	6.88	5.96	5.13	4.37	3.63	2.96	2.33	1.75	1.27	0.84
I <sub>y</sub> kips/ft	9.05	8.26	6.86	5.81	4.96	4.24	3.63	3.11	2.66	2.23	1.83	1.46	1.12	0.81	0.54
R <sub>x</sub> kips/ft	7.73	7.04	5.89	5.07	4.37	3.74	3.21	2.74	2.33	1.96	1.61	1.27	0.96	0.68	0.46
R <sub>y</sub> kips/ft	5.07	4.64	3.89	3.33	2.86	2.45	2.09	1.77	1.47	1.19	0.93	0.7	0.52	0.38	0.26

20x30 Buloh  
48/48 LB

BEAMS  
W Shapes  
Allowable uniform loads in kips  
for beams laterally supported  
For Beams laterally unsupported, see page 2-145



Designation	W 16			Distortion F <sub>d</sub>
	W <sub>f</sub> ft	W <sub>w</sub> ft	W <sub>t</sub> ft	
Flange Width	7.4	7.4	7.4	5.7
L <sub>c</sub>	7.5	7.4	7.4	7.4
L <sub>u</sub>	14.3	17.7	19.9	5.0
1	203	178	150	125
2	183	160	144	126
3	162	143	129	107
4	146	128	115	93
5	133	117	105	81
6	122	107	96	71
7	112	99	89	62
8	104	92	82	54
9	97	86	77	47
10	91	80	72	41
11	86	75	68	36
12	81	71	64	32
13	77	68	61	28
14	73	64	58	25
15	69	61	55	22
16	66	58	52	19
17	63	56	50	17
18	61	53	48	15
19	59	51	46	13
20	57	49	44	11
21	55	47	42	10
22	52	44	39	8
23	49	41	36	7
24	46	38	33	6
25	43	35	30	5
26	40	32	27	4
27	37	29	24	3
28	34	26	21	3
29	31	23	18	2
30	28	20	15	2
31	25	17	12	2
32	22	14	9	2
33	19	11	6	2
34	16	8	3	2
35	13	5	0	2
36	10	2	0	2
37	7	0	0	2
38	4	0	0	2
39	1	0	0	2
40	0	0	0	2
41	0	0	0	2
42	0	0	0	2
43	0	0	0	2
44	0	0	0	2

Span in Feet  
F<sub>y</sub> = 36 ksi

Properties and Reaction Values

S <sub>x</sub> in <sup>4</sup>	32.2	31.0	22.7	16.7	12.5	9.2	6.8	5.1	3.8	2.8	2.0	1.4	1.0	0.7	0.5
S <sub>y</sub> in <sup>4</sup>	25.1	23.6	17.5	12.9	9.7	7.3	5.5	4.1	3.0	2.2	1.6	1.1	0.8	0.6	0.4
I <sub>x</sub> kips/ft	19.2	18.0	13.2	9.7	7.3	5.5	4.1	3.0	2.2	1.6	1.1	0.8	0.6	0.4	0.3
I <sub>y</sub> kips/ft	12.9	12.1	8.9	6.4	4.8	3.6	2.7	2.0	1.4	1.0	0.7	0.5	0.4	0.3	0.2
R <sub>x</sub> kips/ft	10.2	9.6	7.2	5.2	3.9	2.9	2.1	1.6	1.1	0.8	0.6	0.4	0.3	0.2	0.1
R <sub>y</sub> kips/ft	6.8	6.4	4.8	3.5	2.6	1.9	1.4	1.0	0.7	0.5	0.4	0.3	0.2	0.1	0.1

GOLDSTEIN STEEL CO. INC.  
P.O. BOX 277

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

BUILDING DEPARTMENT

PERMIT ISSUED

Permit Number: 031463  
DEC 01 2003

PERMIT

This is to certify that Rodway James A/self

has permission to Amend permit #03-1176 to add steel beams and 2x6 rafters, which will be a straight shot

AT 1832 Forest Ave City of Portland, OR 97201 327 B006001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permit is procured before this building or part thereof is started or closed-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

*James Bonke* 12/01/03  
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD