Please Read Application And Notes, If Any, Attached

This is to certify that
has permission to $\qquad$ BRADFORD ALLEN E JR \& AT 401 ALLEN AVE
provided that the person or persons, fi of the provisions of the Statutes of Ma the construction, maintenance and use this department.

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

OTHER REQUIRED APPROVALS
Fire Dept.
Health Dept.
Appeal Board
Other

and of the sting this permit (shalrcomplywith al f buildings and str res, and of the application on file in
 procured by owner before this building or part thereof is occupied.



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: 08-1302 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Location of Construction: 401 ALLEN AVE |  | Owner Name: <br> BRADFORD ALLEN |  |  |  | Phone: |
| Business Name: |  |  |  |  |  | Phone <br> (207) 786-8737 |
| Lessee/Buyer's Name |  | Phone: |  | Permit Type: |  |  |
| Proposed Use: <br> Single Family Home - Stick build $30^{\prime}$ x $34^{\prime}$ Colonial w/ $23^{\prime}$ x $24^{\prime}$ attached garage |  |  | Proposed <br> Single attached | P Project Descrip <br> Family Home d garage | build 30 | ial w/ 23 x $\times 24$ |
| Dept: Building $\quad$ Status: Approved with Conditions Note: 1) All penetratios through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM 814 or UL 1479, per IBC 2003 Section 712. <br> 2) Permit approved based on the plans submitted and reviewed w/owner/contractor, with additional information as agreed on and as noted on plans. <br> 3) The design load spec sheets for any engineered beam(s) / Trusses must be submitted to this office. <br> 4) Hardwired interconnected battery backup smoke detectors shall be installed in all bedrooms, protecting the bedrooms, and on every level. <br> 5) The basement is NOT approved as habitable space. A code compliant 2nd means of egress must be installed in order to change the use of this space. <br> 6) The attic scuttle opening must be 22 " $\times 30$ ". <br> 7) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process. <br> 8) Fastener schedule per the IRC 2003 <br> 9) Open risers are permitted, provided that the opening between treads does not pemit the passage of a 4" diameter sphere. <br> 10 Uplift connecters required per manufacters installation requirements <br> 11 Steel beam must be protected in garage w/5/8" sheetrock <br> 12 The owner and builder agree to submit a statement from a licensed surveyor PRIOR to placement of backfill stating the location of the structure is compliant with the City of Portland required setbacks. |  |  |  |  |  |  |
| Dept: DRC <br> Note: | Status: |  | Reviewer: |  |  | te: <br> Ok to Issue: |


| Location of Construction: <br> 401 ALLEN AVE | Owner Name: <br> BRADFORD ALLEN E JR \& WHI |  | Owner Address: <br> 24 WOODMERE RD |
| :--- | :--- | :--- | :--- |
| Business Name: | Contractor Name: <br> Fortin Construction Inc | Contractor Address: <br> 35 Markarlyn St Auburn | Phone: |
| Lessee/Buyer's Name | Phone: | Permit Type: <br> Single Family |  |

## Comments:

10/23/2008-amachado: Spoke to Ron Dubuc from Fortin Construction. Need a stamped boudary survey with everything form the permit application checklist included.

11/3/2008-amachado: Received stamped boundary survey.

## BUILDING PERMIT INSPECTION PROCEDURES <br> Please call 874-8703 or 874-8693 (ONLY )

to schedule your inspections as agreed upon
Permits expire in 6 months, if the project is not started or ceases for $\mathbf{6}$ months.
The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:
By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.
$\qquad$ Footing/Building Location Inspection: Prior to pouring concrete or setting precast piers
$\qquad$ Foundation Inspection: Prior to placing ANY backfill for below grade occupiable space
$\qquad$ Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling
$\qquad$ Final/Certificate of Occupancy: Prior to any occupancy of the structure or use. NOTE: There is a $\$ 75.00$ fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.


Signature of Applicant/Designee


Date


## General Building Permit Application

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


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.
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:


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

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C B L-401 \sim A .014
$$

401 -Allen Ave. CSS.




Applicmut: Allen ! Whitrey Badtod. Date: 10123108

Aldress: 401 Allen Are.

$$
C-B-D: 401-A=014
$$

CHECK-IISTAGAINST ZONING ORMIINANCE 1307.

Date - new
Zone Location - R-S
Interior pr corner lot-
Proposed Use/Fork - build new 2 story $30^{\prime} \times 34^{\prime}$ single famely have w $123 \times 24^{\prime}$ Sownge Disposal - ' Gith

Lot Street Frontage - $5^{\circ} \mathrm{min}$. $-88.49^{\prime} \mathrm{gim}$
Froll Yarrl- $25^{-1} \mathrm{~min}$ - $38^{\prime}$ scald to frout uty.

Sille Yarch-2stancs - 14'min - risutsid - 14.r'siva

- leftside - 14.1'gives

Projections - Front parh $8 \times 6 ;$ slaps 3 ir $\times 2$
Width of Lot - $65^{\prime} \mathrm{min}$. - $86^{\prime}$ scalled.
Height- $3^{\prime}$ max $-23.75^{\prime}$ scaled
Lot Area - 6,500 $中_{\text {min }}-12.884$
Lot Coverage Innpervious Surface - $35 \%=4509.4$ 中
Area juer Family - 6, 500 40 ok

$$
\begin{aligned}
& 30 \times 34= \\
& 23 \times 24= \\
& 5 \times 6=45
\end{aligned}
$$

Off-street Parking - 3 spaus reavired $-23^{\prime} \times 30^{\prime}$ ganaci (ok
$35 \times 2=$

Loading Bays - N/A
Site Plan-minorlminor 2008-0149
Shoreland Zoning/Stream! Protection - $/ / A$
Flood Plains - parel 2-2ane $x$


GENERAL NOTES

1. THE RECORD OUNER OF THE PARCELS IS SEA STREET PROPERTIES, INC., BY DEED DATED JUNE 3, 2DD8, AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS (CCRD) IN BOOK 26110, PAGE 257.
2. THE PROPERTY IS SHOUN ON THE CITY OF PORTLAND TAX MAP 4DI, BLOCK A, LOTS $13-15$ AHD S LOCATED IN THE R-3 ZONE
3. SPACE AND BULK CRITERIA FOR THE R-3 ZONE ARE AS FOLLOUS

MIN. LOT SIZE:
MiN. STREET FRONTAGE: MIN. LOT WIDTH MAX. LOT COVERAGE MIN. FRONT SETBACK MIN. SIDE YARD
$1-15$ STORY
2.5 STORY

6500 S
OT
75 FT
$25 \%$
$25 \%$
25 FT
8 FT
14 FT (SHOUN ON PLAN)
MIN. SIDE YARD (SIDE ST.) 20 FEET
MIN. REAR YARD:
25 FT
4. $\triangle$ REAS OF THE PARCELS ARE AS FOLLOUS:

PARCEL 7
PARCEL 8
PARCEL 9
5. ALL BOUNDARY INFORMATION SHOUN HEREON IS BASED UPON A FIELD SURVEY CONDUCTED BY SEBAGO TECHNICS, INC.
. PLAN REFERENCES:
A. STANDARD BOUNDARY SURVEY FINAL AMENDMENT 4 FOR NORTHPORT REALTY TRUST BY OUEN HASKELL, INC. AND RECORDED IN FLAN BOOK 2Ө5, PAGE 8 OII CCRD DATED DECEMBER 22, 2005
ALSO AMENDMENT 3 SEPT. 10, 1999 RECORDED $\mathbb{N}$ PLAN BOOK 199, PAGE 556, CCRD B. NORTHPORT REALTY TRUST LAND TITLE SURVEY BY HI AND EC JORDAN DATED OCTOBER 26. 1990
C. NORTHPORT REALTY TRUST ALTA/ACSM TITLE SURVEY BY HI AND EC JORDAN DATED JAN. I8, 1996.
D. FLAN OF PROPERTY FOR NORTHPORT REALTY TRUST BY HI AND EC JORDAN DATED OCT. 31, 1986.

E CONDOMINIUM FLAT THE RESIDENCES AT 459 ALLEN AVENUE FOR F.S. PLUMMER, INC. BY OUE:N HASKELL, INC. DATED NOV. 13,1984 AND RECORDED IN PLAN BOOK 156, PAGE 68 CCRD.
F. PLAN OF PROPERTY FOR UENDUARD CORP. BY HI AND EC JORDAN AND RECORDED IN PLAN BOOK 118 , PAGE 63, CCRD J.AN., 1978
G. ALTA/ACSM LAND TITLE SURVEY FOR BRUCE ROYANE HAMILTON ARCHITECT, INC. BY TITCOMB
H. PLAN OF UADCO PARK DATED AUGUST, 1905 AND RECORDED IN PLAN BOOK 12, PAGE IT,

CCR

1. PLAN OF PROPERTY FOR NORTHPORT REALTY TRUST BY HI AND EC JORDAN DATED NOVEMBER, 1977
PLAN OF FALL BROOK BRANCH SEWER RIGHT OF WAY PL AN DRAUING NO 636/4
DATED APRIL 2, 1953 IN CITY OF PORTLAND, MAINE ENGINEERING OFFICE
K MISC. RIGHT-OF-WAY INFORMATION FROM THE PORTLAND FUBLIC WORKS VAULT
L. FIRST AMENDED CONDOMINILM PLAT OF NORTHPORT BUSINESS PARK FOR LL BEAN, BY SEBAGO TECHNICS, INC. DATED JUNE I, 2DD6, LAST REVISED MAY 20, 2007, AND RECORDED IN PLAN BOOK 207 PAGES 267-272.
2. THE BEARINGS, COORDINATES, AND ELEVATIONS SHOUN HEREON ARE BASED UPON THE MAINE STATE FLANE COORDINATE GRID, WEST ZONE 1802 ON NAD83 AND NAVD88 IN US FEET.
3. RIGHTS OF WAT OF ALLEN AVENLE BASED ON INFORMATION PROVIDED TO SEBAGO TECHNICS INC. BY THE CITY OF PORTLAND ENGINEERING DEPARTMENT, SPECIFICALLY DRAUINGS E-MAILED TO SEBAGO TECHNICS TITLED ALLENG9T AND ALLEN2OO4DPW. REFERENCE IS $A L S O$ MADE TO MDOT PLANS DOT FILE NO 3-489, DATED JANUARY, 2003
4. PROPERTY SUBJECT TO EASEMENTS OF RECORD. NO EASEMENTS FOUND FOR UTILITIES CROSSING PARCEL 9 BUT EASEMENTS OR RIGHTS MAY EXIST.

## LEGEND

| EXISTING | DESCRIPTION | PROPOSED |
| :---: | :---: | :---: |
| ---------- | LOCUS PROPERTY |  |
| . .an- | PROPERTT/ROU |  |
| -..---............... | EASEMENT |  |
|  | MONLMENT |  |
| -0------ | IRON PIPE/ROD | $\bullet$ |
| C1/L1 | OURVE/LINE NO. |  |
| - | BUILDING |  |
| $\square$ | SIGN |  |
|  | EDGE PAVEMENT |  |
| -------- | GRAVEL ROAD |  |

a



1 inch equals 50 feet


## Book 2 lea 46 lane 32

## WARRANTY DEED

Joint Tenancy

SEA STREET PROPERTIES, INC., a Maine corporation, having a mailing address of 56 Broadway, South Portland, Maine 04106, for consideration paid, grant to ALLEN E. BRADFORD, JR. and WHITNEY E. BRADFORD, both of Portland, County of Cumberland and State of Maine, whose mailing address is 24 Woodmere Road, Portland, Maine 04103, with WARRANTY COVENANTS, as Joint Tenants, the following described real estate situated in the City of Portland, Cumberland County, Maine:

A certain lot or parcel of land situated on the southeasterly side of Allen Avenue, northeasterly of and not adjacent to Washington Avenue, in the City of Portland, County of Cumberland, and State of Maine, being further bounded and described as follows:

Beginning at a $5 / 8$-inch rebar to be set at the southeasterly sideline of Allen Avenue at the westerly corner of land formerly of the Northport Realty Trust as described in Deed Book 6930, Page 250 (Parcel 7);

Thence S $37^{\circ}-08^{\prime}-37^{\prime \prime}$ W, along Allen Avenue, a distance of 88.49 feet to a $5 / 8$-inchrrebar to be set at the northerly corner of land formerly of the Northport Realty Trust as described in Deed Book 13590, Page 99 (Parcel 9);

Thence S $39^{\circ}-34^{\prime}-26^{\prime \prime}$ E, along Parcel 9, a distance of 149.64 feet, to a $5 / 8$-inch rebar to be set at land of the Northport Business Park (Parcel 4);

Thence $\mathrm{N} 37^{\circ}-06^{\prime}-15^{\prime \prime}$ E, along land of the Northport Business Park, a distance of 88.50 feet to a $5 / 8$-inch rebar to be set at Parcel 7;

Thence N $39^{\circ}-34^{\prime}-26^{\prime \prime}$ W, along Parcel 7, a distance of 149.57 feet to the Point of Beginning.

Meaning and intending to describe a portion of land, containing approximately 12,884 square feet.

Together with and subject to any rights of record that may exist.
Reference is made to a plan set titled "First Amended Condominium Plat of Northport Business Park for L.L. Bean, Inc.," by Sebago Technics, Inc., dated June 1, 2006, last revised May 20, 2007, and recorded in the Cumberland County Registry of Deeds in Plan Book 207, Pages 267-272.

Being a portion of the premises conveyed to Sea Street Properties, Inc. by deed of L.L.

Bean, Inc., dated June 3, 2008 and recorded in the Cumberland County Registry of Deecls in Book 26110, Page 257.

WITNESS, the said Sea Street Properties, Inc. has caused this instrument to be signed and sealed by David Jones, its President, thereunto duly authorized, this $30^{+1 /}$ day of July 2008.


STATE OF MAINE
COUNTY OF Cumberland
 2008

Personally appeared the above-named David Jones, President of Sea Street Properties, Inc., and acknowledged the foregoing instrument to be his free act and deed, in his said capacity, and the free act and deed of said Sea Street Properties, Inc.

Before me,


Printed Name: michelle m-Cilea Commission Expires: $7 / 13 / 20 / 3$

# Woodbury Hill Professionals 

Civil \& Structural Engineering 8 Woodbury Hill Road
Auburn, ME 04210 (207) 783-4459

October 6, 2008

To: Code Enforcement<br>City of Portland<br>City Hall<br>389 Congress Street<br>For: Beam design<br>Bradford residence<br>Allen Avenue<br>Portland, ME<br>Portland, ME 04101

Dear Code Enforcement Officer:

In order to support the second floor of the Bradford residence in the area of the Living Room a beam must be installed in the second floor from the outside wall to a column in the wall between the living room and the stairs. It is approximately fifteen feet long. The contractor will use a W8x28, A36 steel beam. The column must be supported on each end with a $31 / 2 " \times 51 / 4$ LSL engineered wood column from Weyerhaeuser.

Also required at the Bradford residence in the area of the Entry/Stairwell is a header of about four feet in length. It will be installed in the second floor from the column in the wall at the Living Room (mentioned above) to the corner of the stairs. The contractor will use a built up beam made from three $2 \times 8$ \#2SPFS, or better. The beam must be supported on the Living Room end with the $31 / 2 " \times 51 / 4 "$ LSL engineered wood column mentioned above, and at the stair end by a built up double stud column.

The second floor above the Garage requires a mid span support as well. It will be W16x26, A36 steel beam approximately twenty-three feet in length. The beam must be supported on each end with a $31 / 2 " \times 51 / 4 "$ LSL engineered wood column from Weyerhaeuser.

The Garage door header (of sixteen foot length) will be either a built up double $13 / 4$ "x18" LSL or a triple $13 / 4 " x 14 "$ LSL beam from Weyerhaeuser. Please note that a W8x24, A36 steel beam may be substituted, should the contractor so desire. This beam too must be supported on each end with a $31 / 2 " \times 51 / 4$ "LSL engineered wood column from Weyerhaeuser.

The first floor, under the living room, will use a $13 / 4 " \times 11^{7 / 8} 8^{\prime \prime}$ LSL beam from Weyerhaeuser as the center beam. Support columns will be regularly spaced at approximately $6^{\prime} 6^{\prime \prime}$. It must be augmented in the section where the column from the second floor lands with two additional, like pieces thus creating a triple built up beam. It shall be spliced together per the manufacturer's recommendations. This section must have concrete filled lally columns at each end. A Simpson LCC column cap of the appropriate size is required at each column. A 9 " $\times 9$ " $x^{1} / 2^{\prime \prime}$ base plate with four anchor bolts is also required at each lally column.

I used 2006 International Residential Code and the ASCE 7-02 as the basis for design and loads.


| C. EAROPENMG SPECVICAMONS <br>  <br> Gieck nith youn ocalat diicing deparmentor ogiess requirements: |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VICON Double Hung |  |  |  | VICON Single Hung |  |  |  | CLASSIC w/Welded Sash \& Frame |  |  |
|  | Unit | SQ FT <br> of <br> Clear <br> Opening | SQ FT <br> Visible <br> Glass <br> Area | Dimensions of Clear Opening (WxH) |  | SQFT of Clear Opening | SQFT <br> Visible <br> Glass <br> Area | Dimensions of Clear Opening (WxH) |  | SQ FT of Clear Opening | $\begin{array}{\|l\|l\|} \hline \text { SQFT } \\ \text { Visible } \\ \text { Glass } \\ \text { Area } \\ \hline \end{array}$ | Dimensions of Clear Opening ( $\mathrm{W} \times \mathrm{H}$ ) |
|  | 18210 | 1.5 | 3.23 | 16-1/4 | $\times 13-1 / 2$ | 1.5 | 3.23 | 16-1/4 | $\times 13-1 / 2$ | 1.4 | 3.06 | 16-1/2 $\times 12-1 / 2$ |
|  | 1832 | 1.7 | 3.65 | 16-1/4 | $\times 15-1 / 2$ | 1.7 | 3.65 | 16-1/4 | $\times 15-1 / 2$ | 1.7 | 3.47 | $16-1 / 2 \times 14-1 / 2$ |
|  | 18310 | 2.2 | 4.50 | 16-1/4 | $\times$ 19-1/2 | 2.2 | 4.50 | 16-1/4 | $\times 19-1 / 2$ | 2.1 | 4.29 | $16-1 / 2 \times 18-1 / 2$ |
|  | 1842 | 2.4 | 4.92 | 16-1/4 | $\times 21-1 / 2$ | 2.4 | 4.92 | 16-1/4 | $\times 21-1 / 2$ | 2.3 | 4.70 | $16-1 / 2 \times 20-1 / 2$ |
|  | 18 | 2.7 | 5.35 | 16-1/4 | $\times 23-1 / 2$ | 2.7 | 5.35 | 16-1/4 | $\times 23-1 / 2$ | 2.6 | 5.11 | 16-1/2 $\times 22-1 / 2$ |
|  | 1852 | 3.1 | 6.20 | 16-1/4 | + 27-1/2 | 3.1 | 6.20 | 16-1/4 | + 27-1/2 | 3.0 | 5.93 | $16-1 / 2 \times 26-1 / 2$ |
|  | 1856 | 3.3 | 6.62 | 16-1/4 | + 29-1/2 | 3.3 | 6.62 | 16-1/4 | $\times 29-1 / 2$ | 3.3 | 6.34 | 16-1/2 $\times 28-1 / 2$ |
|  | 1862 | 3.8 | 7.47 | 16-1/4 | + 33-1/2 | 3.8 | 7.47 | 16-1/4 | + 33-1/2 | 3.7 | 7.16 | 16-1/2 $\times 32-1 / 2$ |
|  | 20210 | 1.9 | 4.08 | 20-1/4 | $\times$ 13-1/2 | 1.9 | 4.08 | 20-1/4 | $\times$ 13-1/2 | 1.8 | 3.89 | 20-1/2 $\times 12-1 / 2$ |
|  | 2032 | 2.2 | 4.61 | 20-1/4 | $\times 15-1 / 2$ | 2.2 | 4.61 | 20-1/4 | $\times 15-1 / 2$ | 2.1 | 4.41 | 20-1/2 $\times 14-1 / 2$ |
|  | 20310 | 2.7 | 5.68 | 20-1/4 | $\times$ 19-1/2 | 2.7 | 5.68 | 20-1/4 | $\times 19-1 / 2$ | 2.6 | 5.45 | $20-1 / 2 \times 18-1 / 2$ |
|  | 2042 | 3.0 | 6.22 | 20-1/4 | + 21-1/2 | 3.0 | 6.22 | 20-1/4 | $\times 21-1 / 2$ | 2.9 | 5.97 | $20-1 / 2 \times 20-1 / 2$ |
|  | 2046 | 3.3 | 6.75 | 20-1/4 | + 23-1/2 | 3.3 | 6.75 | 20-1/4 | $\times 23-1 / 2$ | 3.2 | 6.49 | $20-1 / 2 \times 22-1 / 2$ |
|  | 2052 | 3.9 | 7.82 | 20-1/4 | $\times 27-1 / 2$ | 3.9 | 7.82 | 20-1/4 | $\times 27-1 / 2$ | 3.8 | 7.54 | $20-1 / 2 \times 26-1 / 2$ |
|  | 2056 | 4.1 | 8.36 | 20-1/4 | + 29-1/2 | 4.1 | 8.36 | 20-1/4 | $\times 29-1 / 2$ | 4.1 | 8.06 | $20-1 / 2 \times 28-1 / 2$ |
|  | 2062 | 4.7 | 9.42 | 20-1/4 | $\times 33-1 / 2$ | 4.7 | 9.42 | 20-1/4 | + 33-1/2 | 4.6 | 9.10 | 20-1/2 $\times 32-1 / 2$ |
|  | 24210 | 2.3 | 4.92 | 24-1/4 | x 13-1/2 | 2.3 | 4.92 | 24-1/4 | $\times$ 13-1/2 | 2.1 | 4.72 | $24-1 / 2 \times 12-1 / 2$ |
|  | 2432 | 2.6 | 5.57 | 24-1/4 | $\times$ 15-1/2 | 2.6 | 5.57 | 24-1/4 | $\times$ 15-1/2 | 2.5 | 5.35 | $24-1 / 2 \times 14-1 / 2$ |
|  | 24310 | 3.3 | 6.86 | 24-1/4 | $\times$ 19-1/2 | 3.3 | 6.86 | 24-1/4 | $\times$ 19-1/2 | 3.1 | 6.62 | 24-1/2 $\times 18-1 / 2$ |
|  | 24 | 3.6 | 7.51 | 24-1/4 | $\times 21-1 / 2$ | 3.6 | 7.51 | 24-1/4 | $\times 21-1 / 2$ | 3.5 | 7.25 | 24-1/2 $\times 20-1 / 2$ |
|  | 2446 | 4.0 | 8.15 | 24-1/4 | $\times 23-1 / 2$ | 4.0 | 8.15 | 24-1/4 | $\times 23-1 / 2$ | 3.8 | 7.88 | $24-1 / 2 \times 22-1 / 2$ |
|  | 24 | 4.6 | 9.45 | 24-1/4 | $\times 27-1 / 2$ | 4.6 | 9.45 | 24-1/4 | + 27-1/2 | 4.5 | 9.14 | 24-1/2 $\times 26-1 / 2$ |
|  | 245 | 5.0 | 10.09 | 24-1/4 | + 29-1/2 | 5.0 | 10.09 | 24-1/4 | $\times 29-1 / 2$ | 4.8 | 9.78 | 24-1/2 $\times 28-1 / 2$ |
|  | 246 | 5.6 | 11.38 | 24-1/4 | $\times 33-1 / 2$ | 5.6 | 11.38 | 24-1/4 | $\times 33-1 / 2$ | 5.5 | 11.04 | 24-1/2 $\times 32-1 / 2$ |
|  | 28210 | 2.6 | 5.77 | 28-1/4 | $\times 13-1 / 2$ | 2.6 | 5.77 | 28-1/4 | $\times$ 13-1/2 | 2.5 | 5.55 | 28-1/2 $\times 12-1 / 2$ |
|  | 2832 | 3.0 | 6.53 | 28-1/4 | $\times \quad 15-1 / 2$ | 3.0 | 6.53 | 28-1/4 | $\times 15-1 / 2$ | 2.9 | 6.29 | $28-1 / 2 \times 14-1 / 2$ |
|  | 28310 | 3.8 | 8.0 | 28-1/4 | $\times$ 19-1/2 | 3.8 | 8.04 | 28-1/4 | $\times 19-1 / 2$ | 3.7 | 7.78 | 28-1/2 $\times 18-1 / 2$ |
|  | 2842 | 4.2 | 8.80 | 28-1/4 | $\times 21-1 / 2$ | 4.2 | 8.80 | 28-1/4 | $\times 21-1 / 2$ | 4.1 | 8.52 | $28-1 / 2 \times 20-1 / 2$ |
|  | 2846 | 4.6 | 9.56 | 28-1/4 | + 23-1/2 | 4.6 | 9.56 | 28-1/4 | $\times 23-1 / 2$ | 4.5 | 9.26 | $28-1 / 2 \times 22-1 / 2$ |
| As nuteo | 2852 | 5.4 | 11.07 | 28-1/4 | + 27-1/2 | 5.4 | 11.07 | 28-1/4 | $\times 27-1 / 2$ | 5.2 | 10.75 | $28-1 / 2 \times 26-1 / 2$ |
|  | 2856 | 5.8 | 11.83 | 28-1/4 | $\times$ 29-1/2 | 5.8 | 11.83 | 28-1/4 | $\times 29-1 / 2$ | 5.6 | 11.49 | $28-1 / 2 \times 28-1 / 2$ |
| $\text { on } p^{1 / i n}$ | 2862 | 6.6 | 13.34 | 28-1/4 | + 33-1/2 | 6.6 | 13.34 | 28-1/4 | + 33-1/2 | 6.4 | 12.98 | $28-1 / 2 \times 32-1 / 2$ |
| to meet | 2952E | 5.7 | 11.68 | 29-3/4 | $\times 27-1 / 2$ |  | 11.68 | 29-3/4 | + 27-1/2 | N/A | N/A | N/A N/A |
|  | 30210 | 3.0 | 6.62 | 32-1/4 | $\times$ x 13-1/2 | 3.0 | 6.62 | 32-1/4 | $\times 13-1 / 2$ | 2.8 | 6.38 | 32-1/2 $\times 12-1 / 2$ |
| egress ${ }^{\text {ds }}$ | 3032 | 3.5 | 7.49 | $32-1 / 4$ | $\times 15-1 / 2$ | 3.5 | 7.49 | 32-1/4 | $\times 15-1 / 2$ | 3.3 | 7.23 | $32-1 / 2 \times 14-1 / 2$ |
| requirements | 30310 | 4.4 | 9.22 | 32-1/4 $\times$ | x 19-1/2 | 4.4 | 9.22 | 32-1/4 | $\times$ 19-1/2 | 4.2 | 8.94 | $32-1 / 2 \times 18-1 / 2$ |
|  | 3042 | 4.8 | 10.09 | 32-1/4 | $\times 21-1 / 2$ | 4.8 | 10.09 | 32-1/4 | $\times 21-1 / 2$ | 4.6 | 9.80 | $32-1 / 2 \times 20-1 / 2$ |
|  | 3046 | 5.3 | 10.96 | 32-1/4 | + 23-1/2 | 5.3 | 10.96 | 32-1/4 | $\times 23-1 / 2$ | 5.1 | 10.65 | 32-1/2 $\times 22-1 / 2$ |
|  | 30410 | 5.7 | 11.75 | $32-1 / 4 \times$ | $\times 25-1 / 2$ | 5.7 | 11.75 | 32-1/4 | $\times 25-1 / 2$ | N/A | N/A | N/A N/A |
|  | 3052 | 6.2 | 12.70 | 32-1/4 | $\times 27-1 / 2$ | 6.2 | 12.70 | 32-1/4 | $\times 27-1 / 2$ | 6.0 | 12.36 | 32-1/2 $\times 26-1 / 2$ |
|  | 3056 | 6.6 | 13.56 | 32-1/4 $\times$ | $\times 29-1 / 2$ | 6.6 | 13.56 | 32-1/4 | $\times 29-1 / 2$ | 6.4 | 13.21 | $32-1 / 2 \times 28-1 / 2$ |
|  | 3062 | 7.5 | 15.30 | 32-1/4 | $\times 33-1 / 2$ | 7.5 | 15.30 | 32-1/4 | $\times 33-1 / 2$ | 7.3 | 14.92 | $32-1 / 2 \times 32-1 / 2$ |
|  | 34210 | 3.4 | 7.47 | $36-1 / 4 \times$ | $\times$ 13-1/2 | 3.4 | 7.47 | 36-1/4 | $\times 13-1 / 2$ | 3.2 | 7.21 | 36-1/2 $\times 12-1 / 2$ |
|  | 3432 | 3.9 | 8.45 | 36-1/4 $\times$ | $\times 15-1 / 2$ | 3.9 | 8.45 | 36-1/4 | $\times 15-1 / 2$ | 3.7 | 8.17 | 36-1/2 $\times 14-1 / 2$ |
|  | 34310 | 4.9 | 10.40 | $36-1 / 4 \times$ | $\times 19-1 / 2$ | 4.9 | 10.40 | 36-1/4 | $\times 19-1 / 2$ | 4.7 | 10.11 | $36-1 / 2 \times 18-1 / 2$ |
|  | 3442 | 5.4 | 11.38 | 36-1/4 $\times$ | $\times 21-1 / 2$ | 5.4 | 11.38 | 36-1/4 $\times$ | $\times 21-1 / 2$ | 5.2 | 11.07 | $36-1 / 2 \times 20-1 / 2$ |
|  | 3446 | 5.9 | 12.36 | 36-1/4 $\times$ | $\times 23-1 / 2$ | 5.9 | 12.36 | 36-1/4 $\times$ | $\times 23-1 / 2$ | 5.7 | 12.04 | $36-1 / 2 \times 22-1 / 2$ |
|  | 3452 | 6.9 | 14.32 | 36-1/4 | $\times 27-1 / 2$ | 6.9 | 14.32 | 36-1/4 $\times$ | $\times 27-1 / 2$ | 6.7 | 13.97 | $36-1 / 2 \times 26-1 / 2$ |
|  | 3456 | 7.4 | 15.30 | 36-1/4 | $\times 29-1 / 2$ | 7.4 | 15.30 | 36-1/4 | $\times 29-1 / 2$ | 7.2 | 14.93 | 36-1/2 $\times 28-1 / 2$ |
|  |  | 8.4 | 17.26 | -36-1/4 NOTE: | x ${ }^{\times} \times 3-1 / 2$ | 8.4 | 17.26 | 36-1/4 | + $33-1 / 2$ |  | 16.86 | 36-1/2 $\times 32-1 / 2$ |

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For current pricing Hanvey e-catalog is now available at wwwarveyind com - 'Customer Login, For current pricing, Harvey e-Catalog is now available at www.harveyind.com - 'Customer Login'

## EXTERIOR COLOR OPTIONS

| All pricing represents "add on" pricing (add to normal pricing for that particular window/option): |  | Options (add to base price) |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | GBG | Ext. Grid Pkg. | Ext. Casing |
| Vicon Classic Double Hung | \$95.00/unit | \$10.00/sash | \$20.00/sash | \$25.00/unit |
| Picture Windows | \$95.00/unit | \$10.00/sash | \$20.00/sash | \$35.00/lite |
| Designer Shapes | \$120.00/unit | \$45.00/unit | \$45.00/unit | \$50.00/unit |
| Extended Half Round | 150.00/unit | 65.00/unit | 65.00/unit | 70.00/unit |
| 1-Lite Casement | \$85.00/unit | \$10.00/sash | \$20.00/sash | \$25.00/unit |
| 2-Lite Casement | 115.00/unit | 10.00/sash | 20.00/sash | 35.00/unit |
| 3-Lite Casement | 145.00/unit | 10.00/sash | 20.00/sash | 45.00/unit |
| 4-Lite Casement | 175.00/unit | 10.00/sash | 20.00/sash | 55.00/unit |
| 2-Lite Rolling | \$120.00/unit | \$10.00/sash | \$20.00/sash | \$35.00/unit |
| 3-Lite Rolling | 145.00/unit | 10.00/sash | 20.00/sash | 45.00/unit |
| 2-Panel Patio Door | \$255.00/unit | \$30.00/panel | N/A | \$50.00/unit |
| 3-Panel Patio Door | 285.00/unit | 30.00/panel | N/A | N/A |
| 4-Panel Patio Door | 315.00/unit | 30.00/panel | N/A | N/A |

All exterior colors will be subject to a $\$ 200.00$ set-up charge per order.

## THERMAL PERFORMANCE



U-Factor in accordance with NFRC-100-2004, based on whole window value. To calculate R-Value, divide 1 by the U-Factor (example: 1 div. by $.35=2.86$ R-Value).

> Test results subject to change due to periodic re-testing.



| Window |  | UFactor | SHGG | Visibegigh Transmitance | WENERGYSTAR 8 <br> Compliance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Vicon Classic Double Hung | Low-E w/Contour Grid | 0.35 | 0.27 | 0.48 | All Zones |
| Vicon Double Hung | Low-E w/Contour Grid | 0.36 | 0.27 | 0.50 | NC, SC, S |
| Vicon Single Hung | Low-E w/Contour Grid | 0.36 | 0.27 | 0.50 | NC, SC, S |
| Vicon Awning | Low-E w/Contour Grid | 0.34 | 0.24 | 0.44 | All Zones |
| Vicon Casement | Low-E w/Contour Grid | 0.34 | 0.24 | 0.44 | All Zones |
| Vicon Picture Window | Low-E w/Contour Grid | 0.31 | 0.28 | 0.52 | All Zones |
| Vicon Designer Shape | Low-E w/Contour Grid | 0.33 | 0.31 | 0.55 | All Zones |
| Vicon Rolling Window | Low-E w/Contour Grid | 0.37 | 0.28 | 0.51 | NC, SC, S |
| Vicon Hopper Window | Low-E w/Contour Grid | 0.37 | 0.25 | 0.45 | NC, SC, S |
| Vicon Patio Door | Low-E w/Contour Grid | 0.37 | 0.27 | 0.46 | NC, SC, S |

Windows and doors with . 35 U-Factor or lower are ENERGY STAR qualified in New England, NY and PA.
The use of tempered Low-E glass may effect ENERGY STAR qualification in your region.
The above thermal results represent only a small portion of product offerings in this section of the catalog
Visit our website at www.harveyind.com for the most complete and up-to-date thermal performance data.

[^0]Effective 3/24/08

ALLEN AVENUE
PORTLAND, MAINE

JOB NAME: BRADFORD

alLEN AVENUE
(BITUMINOUS)

$$
\text { SCALE: } \quad 1^{\prime \prime}=30^{\prime}
$$



| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: $10 / 10 / 08 \quad$ Scale: $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Allen Ave. Portland | Project Description: | $30^{\prime} \times 34^{\prime}$ Colonial w/23'x24'Garage |  |


Final Plans
Approved By/On:

| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: $10 / 10 / 08$ | Scale: | $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Project Description: | $30^{\prime} \times 34^{\prime}$ Colonial w/23' $\times 24^{\prime}$ Garage |  |  |



## Final Plans

Approved By/On:

| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: | $10 / 10 / 08$ | Scale: | $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Allen Ave. Portland | Project Description: | $30^{\prime} \times 34^{\prime}$ Colonial w/23' $\times 24^{\prime}$ Garage |  |  |  |



Final Plans
Approved By/On:

| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: 10/10/08 | Scale: $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Project Description: | $30^{\prime} \times 34^{\prime}$ Colonial w/ 23 | Garage |



Front Elevation
Final Plans
Approved By/On:

| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: 10/10/08 | Scale: | $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :---: | :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Proje | $30^{\prime} \times 34{ }^{\prime}$ Colonial w/ 23 | Garage |  |



## Rear Elevation

| 0 | Final Plans |
| :--- | :--- |
| d |  |
| d |  |
| Approved By/On: |  |

$$
\begin{gathered}
\text { Rear } \\
\text { Elevation }
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| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: 10/10/08 | Scale: $\quad 3 / 16^{\prime \prime}=l^{\prime}-0^{\prime \prime}$ |
| :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Project Description: | $30^{\prime} \times 34^{\prime}$ Colonial w/ 23 | Garage |



Right Side Elevation

| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: 10/10/08 | Scale: | $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :---: | :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Proje | $30^{\prime} \times 34^{\prime}$ Colonial w/ $23^{\prime}$ | Garage |  |



| Allen \& Whitney Bradford | Plan Status: FINAL | Revision Date: 10/10/08 | Scale: | $3 / 16^{\prime \prime}=1^{\prime}-0^{\prime \prime}$ |
| :---: | :---: | :---: | :---: | :---: |
| Allen Ave. Portland | Project | $30^{\prime} \times 34^{\prime}$ Colonial w/ $23{ }^{\prime}$ | Garage |  |

## 24' Cape Garage Cross Section





| ip | Final Plans | Details |
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| 8 |  |  |
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| in |  |  |


12.16-08 OK.foting-motrest $m=M$

12-19-08 Inppated site withoot conteactor; 2 duisad contiactor to sabmit pdpervork for danp proying a atarial (g(ay) JGR

03127109 Funning (Erec only olcwy
$03 / 30109$ - stopped and spolle to plumbers (Bob miles + for) and walked thangh houseNo plumbing in yotr electrical not frishodx prameng poot frissodo stails neded to Busemers. 04-01-0a (losc-[n (Not Ready)
insulation uas ateady in place prio to tinal closcin Per TMA left msg w/ voshe secie mat \& 04-02-0C confirmed at Ros from fortin construction to STop-Worke call front-end for closc-in inspection $\quad G R$
04-03.09 Inapt Plambing. OR 5 spit tari on 04.01.02. JGR

401 Allen Ave.

1. Survey letter confirming bldg. lac.
2) 200 c sides - Letter (from eng. 14 min - shoved be. 2003 - IRC. revise.
3. No floor drain - pitch floor

4 Athictuess $22 \times 30$ R. 807
5. WRAP STeel beam w/ 5/a= sheetrock

6 Garage walls $1 / 2=$ sheetrock.
7 uplift connectors on trusses req. $t$
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