

New Residence for Allen and Mary King

Dedham Street, Lot C, Portland, ME

Drawing List

A-0 Cover Sheet
 A-1 Floor Plans
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Building Information

Size 47'-0" x 26'-0"
 Basement 832 sf
 First Floor 1192 sf
 Second Floor 1192 sf
 Total Area 3216 sf
 Building Height 26'-6 3/8"

Lot Information

Zoning R-2
 Size 29373 sf (0.67 ac)
 Front Setback 25'
 Rear setback 25'
 Side setback 12' (for 2-story)
 Max Building Hgt. 35'
 Max Lot Coverage 20% (5875 sf this lot)
 Total lot coverage 1190 sf

Code Requirements

R10.2 Scope

Single Family Residence

R301.2.3 Snow Loads

The ground and roof snow load for this region is 60#/sf/442#/sf.

R301.2.4 floodplain Construction

The site of this building is not located in a floodplain

R301.5 Live Load

The building has been designed to support the live loads from table 301.5

R301.6 Roof Load

This building has been designed to support the snow loads of 42#/sf

R309 Garage and Carports

The garage will be sheathed in min 1/2" GWB all walls. The ceiling will be sheathed in min 5/8" TYPE-X GWB. The door from the garage to the residence will be minimum 20 min.

R310 Emergency Escape and Rescue Openings

Every living room and sleeping room in this residence has been designed with an emergency escape window or door as required.

R311 Means of Egress

The means of egress for this residence have been designed to meet the requirements of this section

R311.2.2 Under Stair Protection

The accessible space beneath the stairs will be sheathed with min 1/2" GWB.

R311.3 Hallways

Hallways area a min. 36" wide

R311.5 Stairways

Stairways are a min. 36" wide
 Headroom is a min. 6'-8"
 Riser heights are a max. 7-3/4"
 Treads are a min. 10" wide
 The landing width is at least as wide as the stairway and is a min. 36" wide in the direction of travel.

R311.3.6 Handrails

Handrails will be installed on a least one wall of each stairway and shall be 34" to 38" high as measured above the nosing.

R312 Guards

Guards at porches, open sides of stairs and balconies shall be 42" high and no opening in the rail are more than 4"

R502 Wood Girders

Refer to table 502.5 for wood girders

R603 Headers

Refer to table R603.6 for the required size of opening headers

R602 Wood Fastening

Refer to table R602.3 for wood fastener requirements

R313 Smoke Alarms

Smoke alarms shall be installed:
 in each sleeping room
 outside each sleeping area
 On each additional story, including the basement
 Alarms shall be installed per NFPA 72

R315 Flame Spread and Smoke Density

Finishes shall have a flame spread classification of no greater than 200 and a smoke-developed index of no greater than 450.

R315.1 Carbon Monoxide Alarms

An Approved carbon monoxide detector shall be installed outside of each sleeping area in the immediate vicinity of the bedrooms.

Chapter 10 Chimneys and Fireplaces

The chimneys and fireplaces shall be constructed to meet the requirements of this section.

Chapter 11 Energy Efficiency

Roofs shall have a min. rating of R-38
 Exterior walls shall have a min. rating of R-21
 Floors above garage spaces shall have a min. rating of R-21
 Floors above basement spaces shall have a min. rating of R-21
 Windows shall have a U-factor of 0.35

NOTE:

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PROPERTY OF



KING RESIDENCE
 DEDHAM STREET, PORTLAND, ME
COVER SHEET

3.

2.

1.

REVS:

CODE: IRC 2003

TOWN: PORTLAND

DATE: 05-07-10

SCALE: AS NOTED

DESIGNED: JJO

DRAWN: JJO

TITLE:

COVER SHEET

FILE:

SHEET: A-0