

NOTES AND SPECIFICATIONS

GENERAL:

American Dreamspace, Inc., the manufacturer of Dreamroom 6400 Series® Patio Enclosures and Sunrooms, has utilized their decades of experience, research and design in the vinyl window industry to develop one of the most functional and attractive Patio Enclosure and Sunroom Systems in today's market. American Dreamspace is on the forefront of market and product innovations. Constant product development and modification is integrated into the most current manufacturing technology by a highly trained and knowledgeable workforce. Dreamroom 6400 Series® Patio Enclosures is built to meet or exceed the 2012 International Codes™ structurally. The windows used in the sunrooms meet or exceed the American Architectural Manufacturing Association, National Fenestration Rating Council and ENERGY STAR® standards or requirements.

Patio covers, enclosure and sunroom systems are attached to the primary home.

DESIGN LOADS:

- 1) The bearing system construction grade lumber along with the use of engineered structural composites, Laminated Veneer Lumber® (LVL), Versa Lam® ridge beams and Versa Column® posts (All are Registered Trademarks of Boise Cascade, Inc.) which are stronger, straighter and more uniform than conventional dimensional timber and is a natural thermal barrier have been designed for load combinations required by code (see tables. When using tables to determine maximum enclosure projection used the smaller of either Load Bearing Wall Tables or Roof Panels Spans Table).
- 2) Patio covers shall be designed and constructed to sustain, within the stress limits of the International Building Code. All dead loads plus a minimum vertical live load of 10 pounds per square foot except that snow loads shall be used where such snow loads exceed this minimum. Such patio covers shall be designed to resist the minimum wind and seismic loads set forth in the IBC.

FASTENERS:

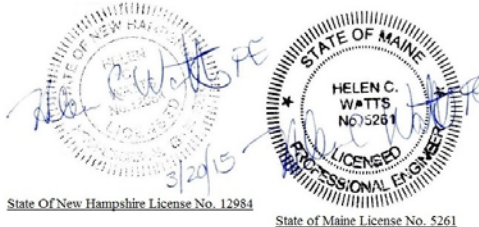
- 3) Screws as detailed shall be stainless steel, High carbon. SIPS Fasten Master Head LOK® high shear wood fasteners.
- 4) Expansion anchors shall be "Red Head Trubolt" anchors or equivalent per International Code Council Evaluation Service Inc. Report no. ESR 2251. The 3/4" diameter anchors shall have a minimum allowable tension value, (in concrete), of 565 pounds, allowable shear value of 550 pounds and shall have at least 3 inches between fasteners in concrete.

STRENGTH AND MATERIALS:

- 5) All existing wood is to have a minimum specific gravity value of 0.49.
- 6) All existing concrete, (standard stone aggregate), is to have a minimum compressive value of 3000 psi @ 28 days.
- 7) Typical composite roof panels shall include 5/8" OSB skin sheathing for expanded polystyrene core for 6".
- 8) The solid wall panels shown shall comply with the local building codes. All exterior portions of the solid wall panel, which are subject to water intrusion, shall be fully sealed.
- 9) Where the roof panel span is parallel to the existing wall of the residence, the adequacy of existing wall support structure, (studs, headers, beams, etc.) shall be verified by an independent source for the attachment of the ridge beam. The adequacy of the existing framing is not a part of this design or approval.

MISCELLANEOUS:

- 10) All windows and doors within the Dreamroom 6400 Series® Patio Enclosure System have been tested in accordance to the American Architectural Manufacturing Association (AAMA) and National Fenestration Rating Council. All fenestration products shall conform to the requirements of local building codes.
- 11) For areas that have a frost depth of zero, patio enclosures can be attached to a concrete slab in good condition with a minimum thickness of 3-1/2 inches as long as any column load does not exceed 750 pounds. All other areas shall have a footer designed that meets local building codes.
- 12) Enclosures or sunrooms shall maintain thermal isolation from the existing structure.



MEETS 2012 International Residential Code.

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We Make Your
Dreamroom A Reality

Dreamroom 6400 Series®
Patio Enclosure System

DATE:
03/29/2015
JOB NO:
DR-6400
DRAWN BY:
RJS
DWG NO.:
Specif
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