One piece, decorator garage doors

Millions of one piece, jamb mounted garage doors have been built and installed and are still operating in the western regions of the United States. Doors made of wood to the following specifications are not to be compared or confused with light weight, and often flimsy, one piece doors that have been available in many markets in the past.

The following information is taken from the CALIFORNIA OVERHEAD DOOR ASSOCIATION'S UNIFORM STANDARDS FOR OVERHEAD DOORS:

It is recommended that residential overhead garage doors be fabricated and installed as suggested in these uniform commercial standards developed by the Association, a non-profit corporation devoted to promoting safety, dependability, and quality craftsmanship within the overhead door industry.

general specifications

WOOD FRAMING:

FRAMING MATERIAL: Wood frame shall have stiles and rails of Douglas Fir, construction grade, or suitable equal material.

CONSTRUCTION: See corner details. Construction shall consist of 2" x 3" top and bottom rails and 2" x 3" vertical stiles. (2" x 4"s may be substituted)

SPACING OF RAILS AND STILES:

For application of PLYWOOD FACING; a framing design consisting of seven vertical nailing pieces including end stiles, top and bottom rails and horizontal blocking between stiles running the width of the door to form twelve sections. Horizontal pieces must be in contact with vertical members where they meet.

NAILING OF FRAME: Galvanized or aluminum nails shall be used. A combination of end nailing with 16d nails and toe nailing shall be used at all points where horizontal and vertical frame members intersect. In cases where two members butt up against each side of an intersecting member, at least one member shall be end nailed.

OPENING SIZES

DOUBLE DOOR: The standard double garage door opening shall be at least 16'6" wide between the jambs, but shall not exceed 18" in width between the jambs. Minimum clearance from garage floor to the head jamb shall be 8'1" and the maximum opening shall not exceed 7'0".

SINGLE DOOR: The minimum opening size for a single door is 8' in width. Height specifications to be the same as for Double Doors.

Door sizes departing from the minimum and maximum as set forth shall be considered custom style doors, but might not conform to FHA and VA requirements.

SURFACE PANELING:

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<th>KIND</th>
<th>MINIMUM THICKNESS</th>
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<td>Plywood</td>
<td>3/8&quot; exterior grade</td>
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Nailed six inches o.c. around edges, and eight inches o.c. along intermediates with galvanized or aluminum nails. When decorative plant-ons are used on facing of door, they are to be nailed on with galvanized or cement coated nails. All nails or fasteners protruding beyond the surface shall be clinched (to fix firmly by folding over) with hammer or blunt instrument, so that the point of nail or fastener is turned toward the facing material. Moisture content shall not exceed 12%. In arid areas, 8% shall be the maximum.

PLYWOOD EDGES MUST BE PROTECTED AGAINST SPLINTERING AND PLY SEPARATION BY SETTING BACK ¼" FROM BOTTOM EDGE OF FRAME.

NAILING: Galvanized or aluminum nails or staples shall be used. For nailing plywood, spacing of nails shall not exceed 6" on the edge or 8" away from the edge. Stapling of plywood is permissible as set forth in FHA bulletin MPS, Section 900, dated April 1, 1972. For nailing plywood ¾" and under in thickness 5d nails shall be used.

HARDWARE:

1. Minimum thickness truss rods of 5/16" shall be acceptable trussing material. It shall be mounted with the appropriate brackets in preference to being mounted through end stiles. Doors 10' and over must have at least one truss rod and 12' and over must have at least two truss rods. 10' doors constructed with 2 x 4 top and bottom rails shall not require truss rods. Truss rod threading is required in one end of rod only.

2. Hardware manufacturers shall be responsible for the limits recommended on each particular model of hardware.

3. Hardware shall have designated on it by brand or other appropriate inscription, the maximum limitations for said hardware. This information shall specify maximum weight of door on which it is to be mounted.

4. Center mounted keyed locks are usually installed at the job site...as are economy side mounted slide bolts.

5. Side weather strip is usually mounted to the door and the jambs at the job site, while bottom weather strip is mounted at the door factory.