



DSA Structural Amendments under review are highlighted in GRAY

Template 14-05

2001 CBC - Chapter 15A
ROOFING AND ROOF STRUCTURES

Section - 1403A - VENEER

Subsection(s) - 1403A.6.4.1 - 1403A.6.4.2

1403A.6 Anchored Veneer

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1403A.6.4 Application.

1 **1403A.6.4.1 General.** In lieu of the design required by Sections
2 1403A.4.1 and 1403A.4.3, anchored veneer may be applied *by*
3 *any one of the methods specified below:*

4
5 **1403A.6.4.2 Masonry and stone units [5 inches (127 mm)**
6 **maximum in thickness].** Masonry and stone veneer not exceed-
7 ing 5 inches (127 mm) in thickness may be anchored directly to
8 structural masonry, concrete or studs in one of the following man-
9 ners:

10
11 *All masonry and stone veneer shall be placed 1 inch (25 mm)*
12 *clear of its backing.*

13
14 1. *Anchor* ties shall be corrosion resistant, and if made of sheet
15 metal, shall have a minimum *size of No. 16 gage by 1 inch (25 mm)*
16 *and may either be attached to the backing by screws as the veneer*
17 *is laid, or may be inserted in anchor slots. Anchor ties shall be ad-*
18 *justed for height to lay in horizontal joints and shall be spaced so*
19 *as to support not more than 2 square feet (0.19m²) of wall area but*
20 *shall not be more than 24 inches (610 mm) on center horizontally.*
21 *In Seismic Zones 3 and 4, wall ties shall have a lip or hook on the*
22 *extended leg that will engage or enclose a horizontal joint rein-*
23 *forcement wire having a diameter of 0.148 inch (3.76 mm) (No. 9*
24 *B.W. gage) or equivalent. The joint reinforcement shall be contin-*
25 *uous with 4-inch (102 mm) lap splices permitted and shall be*
26 *located in the middle third of the width of the masonry units.*

27 When applied over stud construction, 2-inch-by-4-inch (51mm
28 by 102 mm) stud spacing shall not exceed 16 inches (406 mm) on
29 center and 2-inch-by-6-inch (51 mm by 152 mm) stud spacing
30 shall not exceed 24 inches (610 mm) on center. Approved paper
31 shall first be applied over the sheathing or wires between studs
32 except as otherwise provided in Section 1402A, and mortar shall
33 be slushed into the 1-inch (25 mm) space between facing and

34 paper.

35

36 *The 1-inch (25 mm) space between veneer and its backing shall*
37 *be solidly filled with a fine grout as specified in Section 2103A.4.2*
38 *[for OSHPD 1] 2103B.4.2. Grout shall be poured in lifts not ex-*
39 *ceeding 16 inches (406 mm) in height.*

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41 As an alternate to approved paper with slush fill, an air space of
42 at least 1 inch (25 mm) may be maintained between the backing
43 and the veneer in which case spot bedding at all ties shall be of
44 cement mortar.

45

46 *2. If spot bedding of cement mortar is not used to entirely sur-*
47 *round the ties and to provide a fill bed to solid backing, anchorage*
48 *shall be No. 14 gage galvanized anchors in No. 22 gage galva-*
49 *nized anchor slots of a type which will not open under direct load.*
50 *Slots shall be secured to the studs with 10d common hot-dipped*
51 *galvanized nails at 12-inch-maximum (305 mm) spacing, or by*
52 *1-inch-wide (25 mm) No. 14 gage galvanized angle ties fastened*
53 *to each stud with a 2-inch (51 mm), No. 10 galvanized screw*
54 *placed not more than 1/4 inch (6.4 mm) above the extended leg of*
55 *the angle tie. Anchors shall be capable of taking tension or com-*
56 *pression without end play.*

57

58 Two-inch-by-4-inch (51mmby 102 mm) stud spacing shall not
59 exceed 16 inches (406 mm) on center and 2-inch-by-6-inch (51
60 mmby 152 mm) stud spacing shall not exceed 24 inches (610 mm)
61 on center. The galvanized wire mesh shall be anchored to wood
62 studs by galvanized steel wire furring nails at 4 inches (102 mm)
63 on center or by barbed galvanized nails at 6 inches (152 mm) on
64 centerwith a 11/8-inch-minimum (29 mm) penetration. The galva-
65 nized wire mesh may be attached to steel studs by equivalent wire
66 ties. If this method is applied over solid sheathing, the mesh must
67 be furred for embedment in grout. The wire mesh must be attached
68 at the top and bottomwith not less than 8-penny (64mm) common
69 wire nails. The grout fill shall be placed to fill the space intimately
70 around the mesh and veneer facing.