



Seismic Evaluation and Retrofit of Existing Buildings *ASCE/SEI 41-13*

Errata

Effective: December 10, 2018

This document contains errata to the above title, which is posted on the ASCE Library at <https://doi.org/10.1061/9780784412855>

THIS TYPE AND SIZE FONT INDICATES DIRECTIVE TEXT THAT IS NOT PART OF THE TITLE. CHANGES ARE INDICATED USING STRIKE-OUT AND UNDERLINE TEXT. A HORIZONTAL RULE INDICATES A BREAK BETWEEN SECTIONS.

Chapter 2

EQ. (2-5) SHOULD READ AS FOLLOWS:

$$S_a = \left[\left(\frac{5}{B_1} - 2 \right) \frac{T}{T_S} + 0.4 \right] \times S_{XS}$$

Chapter 12

REVISE TABLE 12-2 AS FOLLOWS:

Table 12-2. Default Expected Strength Values for Wood Diaphragms

Diaphragm Type ^a		Property	
		Shear Stiffness (G_d) (lb/in.)	Expected Strength (Q_{CE}) (lb/in.) (lb/ft)
Single Straight Sheathing ^b		2,000	120
Double Straight Sheathing	Chorded	15,000	600
	Unchorded	7,000	400
Single Diagonal Sheathing	Chorded	8,000	600
	Unchorded	4,000	420
Diagonal Sheathing with Straight Sheathing or Flooring Above	Chorded	18,000	900
	Unchorded	9,000	625
Double Diagonal Sheathing	Chorded	18,000	900
	Unchorded	9,000	625
Wood Structural Panel Sheathing ^c	Unblocked, Chorded	8,000	—
	Unblocked, Unchorded	4,000	—
Wood Structural Panel Overlays on:	Unblocked, Chorded	9,000	450
	Chorded		
a. Straight or Diagonal Sheathing ^d or	Unblocked, Unchorded	5,000	300
b. Existing Wood Structural Panel Sheathing ^e	Blocked, Chorded	18,000	—
	Blocked, Unchorded	7,000	—

^aAs defined in Section 12.5.

^bFor single straight sheathing, expected strength shall be multiplied by 1.5 where built-up roofing is present. The value for stiffness shall not be changed.

^cSee Section 12.5.3.6 for shear stiffness and expected strength of wood structural panel diaphragms.

^dSee Section 12.5.3.7 for expected strength of wood structural panel overlays on straight or diagonal sheathing.

^eSee Section 12.5.3.8 for expected strength of wood structural panel overlays on existing wood structural panel sheathing.

Chapter 16

IN SECTION C16.5IO, THE MODERATE SEISMICITY SEISMIC-FORCE-RESISTING SYSTEM “COMPACT MEMBERS” ENTRY SHOULD REFERENCE AISC 360, AS FOLLOWS:

COMPACT MEMBERS: All brace elements meet compact section requirements set forth by AISC ~~344~~ 360, Table B4.1. (Commentary: Sec. A.3.3.1.7. Tier 2: Sec. 5.5.4)