TYPICAL TYPE V RESIDENTIAL CONSTRUCTION

CBC 2007

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER CBC 2007. INFORMATION IS FOR
REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH
PROPOSED CONSTRUCTION PROJECT.

Rules for Configuring the Braced Wall Panels:

Lateral Design for Conventional Construction may consist of “simple” boxes as shown in
the diagram below. The total length of braced wall panels must conform to Table
2308.12.4 for the Seismic Design Category (SDC) and “Store” applicable to the project
site. The City of Santa Rosa is typically SDC = “D” with an Sos of > 1.0. If you are
proposing to use braced wall panels, you must note those values on the cover sheet
of your drawings. You can look up your latitude and longitude and find your exact SDC
and Sos per Chapter 16, or just note SDC “D” and Sos = > 1.0.

For one story conditions, the total length of braced panel for each 25’ of braced wall line
must be 12'-0" or equivalent (for example, 3 - 4'-0" braced panels, or 2 - 4'-0" braced
panels plus 1 - 2'-8" alternate braced panel). For the first floor of a 2-story condition,
the required total length per each 25’ of wall line must be 24'-0" or equivalent.
These minimum total lengths are for plywood sheathed braced panel. Ply. Board braced
panels must be the full 25'-0" (no openings for one story and are not allowed for two story,
therefore are not usable in Santa Rosa.

Footnote 1 of table 2308.12.4 requires braced panels to be 2:1 max vert. to horiz. This
is 4'-0" mtn. for 8’ plate lines, and 5'-0" mtn. for 10’ plate lines. (The max. height is 10’.)
Also, the same footnote allows you to reduce the total panel length for each 25’ of wall
line by 1/2 if you install the plywood on both sides and add hold downs similar to an
alternate braced panel.

NAME, ADDRESS AND PHONE NO. OF DESIGNER
XXX XXX XXX XXX
XXX XXX XXX XXX

WET SIGNATURE OF DESIGNER ON EACH SHEET
(AND PROFESSIONAL STAMP IF APPLICABLE)
E:\shop\dvl\vaca\details\typeV\A12 BR WALL 2.DWG, 10/3/2008 3:10:10 PM

EXAMPLE RESIDENCE
1234 MAIN ST.
SANTA ROSA, CA 95404
APN # 000-000-000

BRACED WALL SKETCH
SAMPLE DRAWING

BRACED WALL PANELS - b
CONTINUOUS FOUNDATION AND BRACED CRIPPLE WALL RECOMMENDED UNDER LOWER STORY
BRACED WALL PANELS

FIGURE 2308.9.3 (FOR SDC “D”)

BASIC COMPONENTS OF THE LATERAL BRACING SYSTEM

SCALE: N.A.
DATE: SEPTEMBER 15, 2008
SHEET NO. A12