

**CHAPTER 4
COMBINED CONCRETE, MASONRY, OR ICF AND WOOD
EXTERIOR WALL CONSTRUCTION**

401 SCOPE

401.1 This chapter prescribes construction requirements for various individual building elements where one or more exterior walls above the foundation contain both concrete or masonry and wood construction. Where specific construction requirements are not specifically prescribed in this chapter, the requirements of Chapters 2 and 3, as appropriate, shall govern.

402 CONCRETE, MASONRY, OR ICF FIRST STORY, WOOD FRAME SECOND STORY

402.1 The foundation system shall be designed in accordance with Chapter 2 for a two-story building with concrete, masonry, or ICF exterior walls.

402.2 The first-story walls, including the vertical reinforcement and bond beam, shall be in accordance with Chapter 2.

402.3 Beams spanning openings in first-story walls shall be in accordance with Section 205.2 for concrete and masonry walls and in accordance with 206.8 for ICF walls.

402.4 The second-story floor system shall be in accordance with Section 304.

402.5 The second-story walls, ceilings, and roof shall be in accordance with the appropriate sections in Chapter 3.

402.6 Second-story shearwalls shall be connected to first-story walls as required by 303.2.3 and 305.7 (See Figure 305T4).

403 WOOD FRAME GABLE ENDWALLS ABOVE CONCRETE, MASONRY, OR ICF WALLS

403.1 This condition is not permitted unless there is a ceiling diaphragm as specified in Section 207.

403.2 Gable construction shall be in accordance with Section 305.

403.3 Concrete or masonry wall construction shall be in accordance with Section 205. ICF wall construction shall be in accordance with 206.

403.4 Connections of walls, ceiling, and gables shall be similar to conditions shown in Figures 207D and E.

