**Sto Powerwall®ci**

**Fire Protection - Noncombustible Type Construction (NFPA 285) and 1 Hour Non-Load Bearing Fire-Resistive Rated Wall Assembly (ASTM E 119)**

**Detail No.: 63s.FP**  
**Date: March 2016**

**Insulation Note:** Provide drainage behind insulation board when appropriate, based on project design and exposure conditions. Use Sto DrainScreen™ installed behind insulation, OR use ribbons of TurboStick adhesive to install maximum 2’x8’ (600x2400mm) insulation board, OR use Dow STYROFOAM™ Brand Perimate™ with channels oriented vertically, OR use other code approved method.

**NOTES:**
1. Interior Wallboard: minimum 5/8” (16mm) gypsum wallboard in compliance with ASTM C 1396.
2. Structure: Minimum 18 ga studs, minimum 3-5/8” stud depth, maximum 16” O.C. stud spacing.
3. Floorline Firestopping: if Platform type framing - none; if Balloon type framing - minimum 4pcf mineral wool in each stud cavity and at each floor line, attached with Z-clips or equivalent.
4. Stud Cavity Insulation: none, or any noncombustible batt insulation, faced or unfaced.
5. Continuous Insulation: DOW Styroform™ Brand Perimate™ (Drained Channels Face Interior), (Type IV XPS) maximum 3” (76 mm) thick.
7. Air Barrier Options: StoGuard with EmeraldCoat, Sto Guard with Gold Coat, or Sto ExtraSeal.
8. WRB (Water-resistive Barrier): none, or No. 15 Grade D Building Paper, or Asphalt Saturated Felt in compliance with ASTM D 226.
9. Cavity Wall Component: Sto DrainScreen™
10. Stucco Assembly: minimum 2.5# self-furred galvanized diamond mesh metal lath with stucco scratch and brown coat in compliance with ASTM C 926 at minimum 3/4”(19 mm) thick.
11. Openings: return stucco into openings at jambs and head minimum 1 inch (25 mm) past back of insulation board (Refer to Sto Detail 63s.05).

**ATTENTION**  
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