



BXUV.U934 Fire Resistance Ratings - ANSI/UL 263

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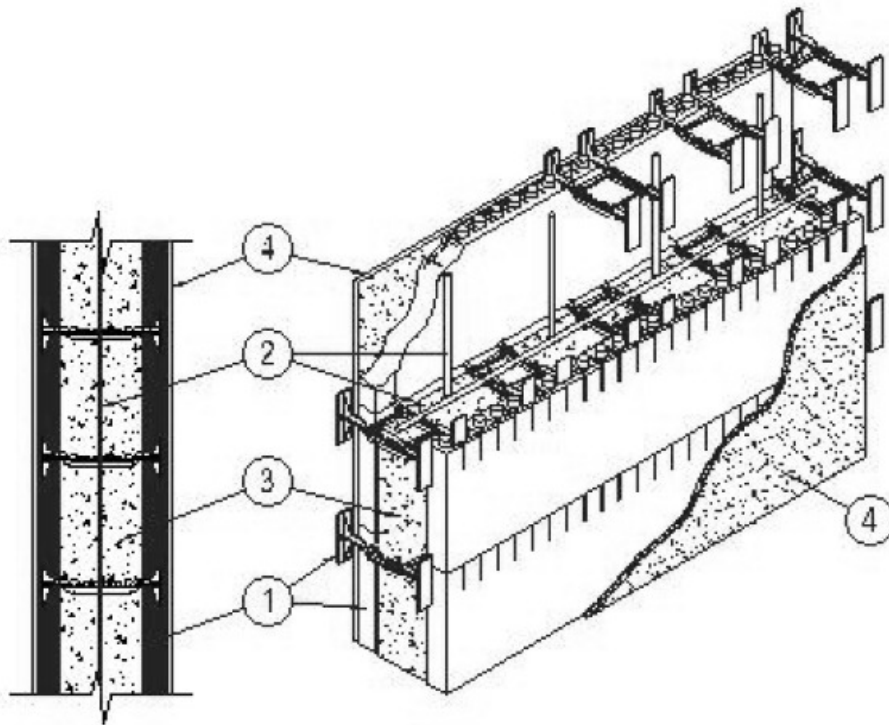
Fire Resistance Ratings - ANSI/UL 263

[See General Information for Fire Resistance Ratings - ANSI/UL 263](#)

Design No. U934

July 24, 2007

Bearing Wall Rating - 2, 3 or 4 Hr (See item 1)



1. **Insulated Concrete Forms*** — Standard form units comprised of two 48 in. by 12 in. by 2-1/4 in. thick expanded polystyrene (EPS) panels linked by High Density Polyethylene (HDPE) ties at 12 in. OC. Ties are colour coded for different wall cavity thicknesses and are field installed into EPS panels to create the ICF form. The min width of the ICF cavity is 3.75 in. as shown in the table below. Assembly ratings depend on width of ICF cavity as shown in table below:

Assembly Rating, (Hr)	Min. ICF Cavity Thickness, (in)
2	3.75
3	5.75
4	7.75

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2. **Reinforcing Steel** — No. 4 steel rebars installed horizontally into each ICF course within polypropylene web notches. No. 4 rebars placed vertically at 16 in. OC into centre of ICFs.

3. **Normal Weight Concrete** — 145 ± 5 pcf density, 2900 psi nominal compressive strength.

4. **Gypsum Wallboard** — Min 1/2 in. thick, 1.5 psf min area density, 48 in. wide gypsum wallboard fastened to flanges of HDPE ties with 2 in. long drywall screws at 12 in. OC vertically and horizontally. Joints covered with joint compound, covered with joint tape, and covered with an additional coat of joint compound. Screwheads covered with joint compound.

*Bearing the UL Classification Mark

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