UL ONLINE CERTIFICATIONS DIRECTORY

Design No. U930
BXUV.U930
Fire-resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
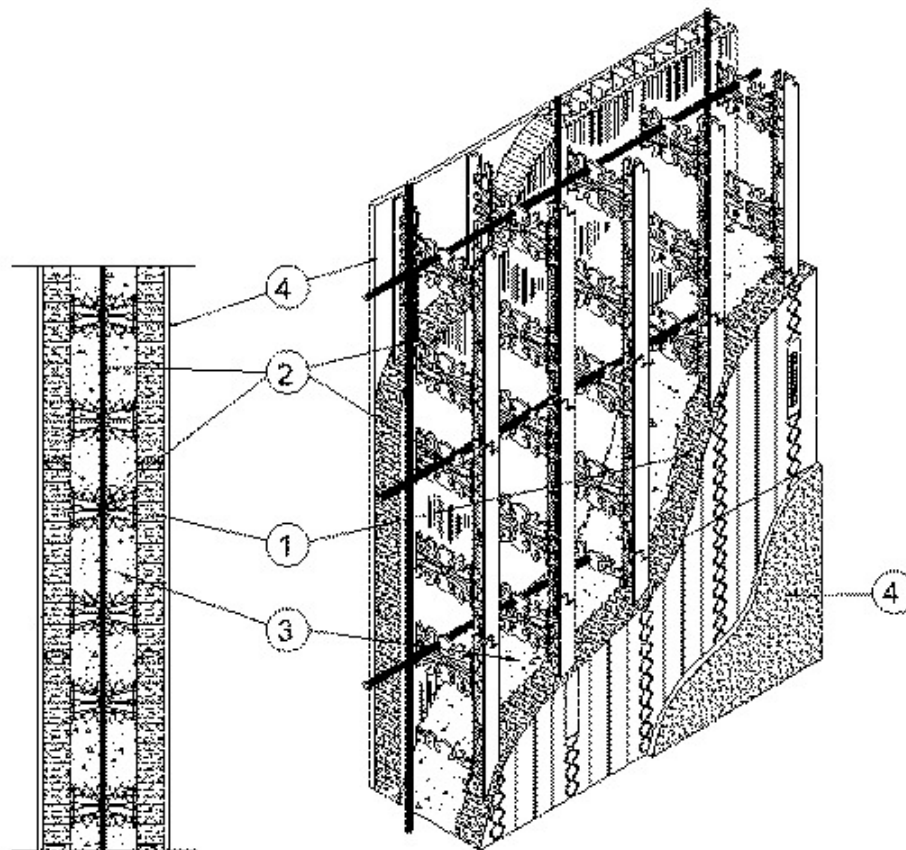- Only products which bear UL's Mark are considered Certified.

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See General Information for Fire-resistance Ratings - ANSI/UL 263

Design No. U930

February 18, 2014

Bearing Wall Rating — 2 or 4 Hr (See item 1)

1. **Insulated Concrete Forms* —** Standard form units comprised of two 96 in. by 18 in. by 2-5/8 in. thick expanded polystyrene (EPS) panels linked by polypropylene webs at 8 in. OC. The min width of the wall cavity is 4 in as shown in the table below. Height adjusters consist of 32 in. long, 3 in. high and 2-5/8 in. thick flat EPS panels. End caps vary with wall cavity thickness from 4 in. to 12 in. wide, 18 in. high and 2-3/8 in. thick flat EPS panels. Assembly ratings depend on width of ICF Cavity as shown in table below:

Assembly Rating (Hr)	Min ICF Cavity Thickness (in)
2	4
4	6

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2. **Steel Reinforcement —** No. 4 steel rebars inserted horizontally into each ICF course within polypropylene web notches. No. 4 steel rebars placed vertically at 16 in. OC into center of insulated concrete forms (Item 1).

3. **Normal Weight Concrete —** 145 + or - 5 lb per cubic ft density, 2900 psi compressive strength.

4. **Gypsum Board —** Min. ½ in. thick, min. 1.35 psf, 48 in. wide, Classified or Unclassified gypsum wallboard with paper or fiberglass facing. Gypsum wallboard fastened to flanges of polypropylene webs with min. 2 in. mm long drywall screws at 16 in. OC vertically and 8 in. OC horizontally. When gypsum board is greater than ½ in. thick, screw length shall be increased to provide min. 1-1/2 in. penetration into the polypropylene webs. Joints covered with joint compound, covered with joint tape, and covered with an additional coat of joint compound. Screwheads covered with joint compound. When the exterior face of the exterior wall is required to be of noncombustible materials, the gypsum wallboard may be substituted with min. ½ in. thick, min. 1.35 psf, 48 in. wide, exterior grade, Classified or Unclassified non-combustible gypsum wallboard installed as specified above using galvanized exterior grade screws. When the Insulated Concrete Wall is used as an exterior wall, in order for the Fire Resistance Rating to remain valid from both sides of the wall, the gypsum wallboard on the exterior face of the exterior wall may be substituted with minimum 1 in. thick concrete or masonry mechanically fastened to the supporting Insulated Concrete Wall independent of the EPS insulation.

*Bearing the UL Classification Mark

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When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the UL Environment database for additional information regarding this product's certification.