

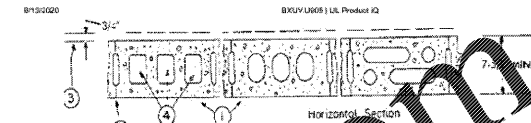
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Design No. U965  
March 02, 2020  
Bearing Wall Rating — 2 HR.  
Nonbearing Wall Rating — 2 HR

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



- 1. **Concrete Blocks** — Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.
  - 2. **Mortar** — Blocks laid in full bed of mortar, not less than 3/8 in. thick, of not more than 2 1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
  - 3. **Portland Cement Stucco or Gypsum Plaster** — As specified. Classification if used. Where combustible members are framed in wall, plaster/stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (item 1).
  - 4. **Loose Fill** — Cavity between blocks are filled with loose dry expanded slag, expanded clay or shale (Rotary Klink Process), perlite, vermiculite, glass wool insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
  - 5. **EnergyShield Pro Wall Insulation** — 1-1/2 in. thick max. 4 ft wide sheathing attached to concrete blocks (item 1).
- ATLAS INSULATING CORP.** — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", "EnergyShield CGF Pro and EnergyShield CGF"
- WATKINS COATINGS & WATERPROOFING INC.** — Type R2+ SHEATH
- DUNLOP DE NEBRASKA, INC.** — Types: Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax c Exterior Insulation, Thermax SABOR (c) Exterior Insulation, Thermax R1 Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF 8" c1 Insulation, Thermax Butler Dgkwall Insulation Board and Thermax Morton Heavy Duty Insulation Board
- FIRESTONE BUILDING PRODUCTS CO. L.L.C.** — "Everedge™ C1 Foil Exterior Wall Insulation" and "Everedge™ C1 Glass Exterior Wall Insulation"
- HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — Types "XO-Class A", "XO-Foil Class A2", "XO 286"
- RMAX, A BUSINESS UNIT OF Sika CORPORATION** — Types "TSX-8580", "ECOMAX FR", "TSX-8510", "ECOMAX w FR White", "ECOMAX", "ECOMAX FR Air Barrier", "ThermalSeal-HP", "ThermalSeal", "DuraSeal", "ThermalSeal-3", "DuraSeal-3".
- SA Building Units** — As an alternate to items 5, min. 1 in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 36 in.
- HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — "XO RB", "XO Py"
- RMAX, A BUSINESS UNIT OF Sika CORPORATION** — "ThermalSeal-S1", "ECOBASE", "ThermalSeal-C1", "ECOMAX FR Py", "ECOMAX Py".

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MARION COUNTY LEC

591492  
MARION COUNTY  
2715 EAST HWY 76, MULLINS, SC 29574

PROJECT NO:	591492
DATE:	OCTOBER 30 2020
REVISIONS	
DATE	DESCRIPTION

FIRE RESISTIVE ASSEMBLIES

LS1.4