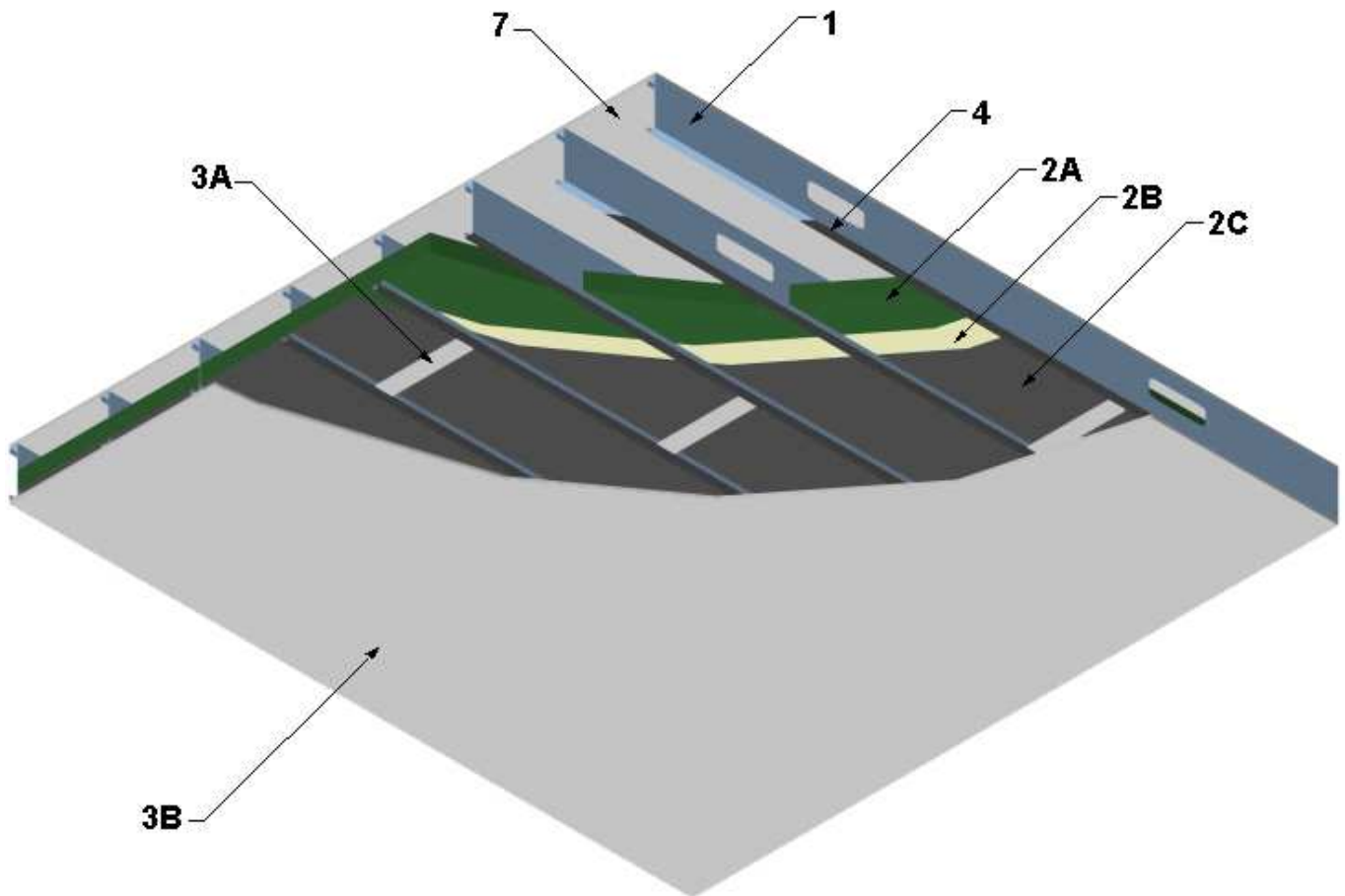


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Design Number SCB/MRSB 60-02  
Ceiling Assemblies  
Southern Cross Building Products LLC  
GreenEBoard™  
ASTM E 119 (2012)  
CAN/ULC S 101 (2007)  
NFPA 251 (2006)  
UL 263 (2011)  
Rating: 1 Hour  
No Superimposed Load Applied

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1. STEEL JOISTS: Use 14 GA, 8 in. deep steel joists spaced 16 in. on center (oc). Secure steel joists to minimum 16 GA rim using one 1/2 in. long self drilling pan head framing screw on both sides of the joists.
2. INSULATION PANELS: Construct insulation panels using the following elements:
  - A. INSULATION: Nominal 3 in. thick x 16 in. wide x 4 ft. long, 8 pcf density Thermafiber® Industrial Felt.
  - B. FIBERGLASS MESH: Use self adhering FDW 0030/1530/207 50.0 (FPFLX01) fiberglass mesh cut to the dimensions of and adhered to the insulation (Item 2A).

- C. CERTIFIED MANUFACTURER: Ameret, LLC  
CERTIFIED PRODUCT: High Performance Coatings  
MODEL: Trivol® Flame Shield FSIP Coating  
Apply minimum 2 mils (wet film thickness) of Trivol® Flame Shield FSIP Coating over the fiberglass mesh (Item 2B) and ensure full coating coverage of panels.  
Install insulation panels in the joist cavities with the coating side facing down.
3. CERTIFIED MANUFACTURER: Southern Cross Building Products, LLC  
CERTIFIED PRODUCT: Moisture-Resistant Sheathing Board  
MODEL: GreenEBoard™
- A. BACKER STRIP: Prior to installing the interior cladding (Item 3B), cut 6 in. pieces of 1/2 in thick GreenEBoard™ backer strips and install perpendicular between the steel joists (Item 1) at all interior cladding (Item 3B) joints that occur perpendicular to the steel joists (Item 1). Hold backer strips in place using adhesive (Item 5) and one #6 x 1-1/4 in. long Type S bugle head self drilling screw secured through the full sheets of interior cladding (Item 3B), one on each side of the interior cladding (Item 3B) joint.
- B. INTERIOR CLADDING: After installing backer strips (Item 3A), install one layer 4 ft. x 8 ft. sheets of 1/2 in. thick GreenEBoard™ to the interior (under side) side of the steel joists (Item 1). At all board joints, apply joint compound (Item 4) to completely fill the joint. Secure board using minimum #6 x 1-1/4 in. long Type S bugle head self drilling screws spaced 8 in. oc around the perimeter and 8 in. oc in the field.
4. CERTIFIED MANUFACTURER: Ameret, LLC  
CERTIFIED PRODUCT: High Performance Coatings  
MODEL: Trivol® Flame Shield FSIP Coating  
Prior to installing interior cladding (Item 3B), roll or spray apply minimum 7 mils (wet film thickness) of coating to the underside flange of each of the steel joists (Item 1) ensuring full coverage.
5. ADHESIVE (Not Shown): Apply minimum 1/4 in. diameter beads of PL 400 adhesive to the exterior side of the backer strip (Item 3A) prior to installing interior cladding (Item 3B).
6. JOINT TAPE AND COMPOUND (NOT SHOWN) – Apply a level 2 finish of vinyl or casein, dry or premixed joint compound applied in two coats to all exposed fastener heads and sheathing board joints. Embed minimum 2 in. wide paper, plastic, or fiberglass tape in the layer of compound over interior cladding (Item 3) joints.
7. EXTERIOR CLADDING: Install one layer 4 ft. x 8 ft. sheets of 1/2 in. thick GreenEBoard™ to the top side of the steel joists (Item 1). Offset joints 48 in. from those of the interior cladding (Item 3B). Secure board using minimum #6 x 1-1/4 in. long Type S bugle head self drilling screws spaced 8 in. oc around the perimeter and 8 in. oc in the field.