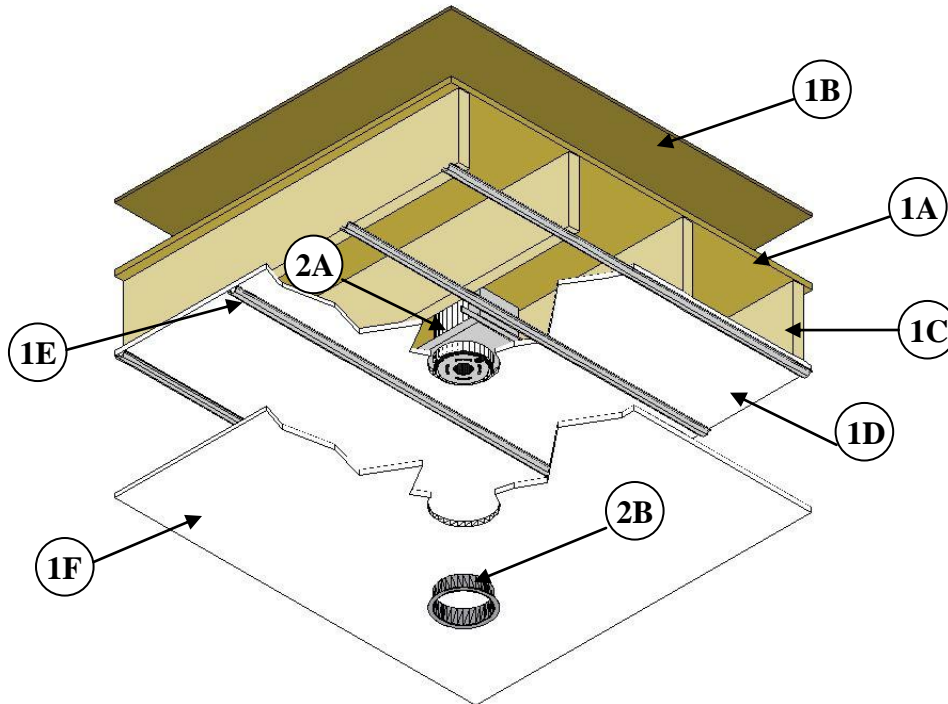

Elite Lighting Inc.
Design No. ELI/IL 120-01
Floor/Ceiling Assembly
FireShield FS6 6", FS5 5", FS4 4" LED Recessed Housing with a Fire Rating
ASTM E 119
Ratings: 2 Hour



1. FLOOR/CEILING ASSEMBLY: Use a 2 hr. fire-rated floor/ceiling assembly construction in accordance with material and construction specifications of UL Design No. L505 and with min. requirements as specified below:
 - A. Subfloor System: Install min. 19/23 in. wood structural panels perpendicular to the joists (Item 1C). Attach subfloor to the wood joists using 6d ringed shank nails or equivalent spaced 12 in. on center (oc) and construction adhesive. Stagger end joints of subfloor.
 - B. Finish Floor (Not Shown): Install min. 15/32 in. thick wood structural panels to the top of the subfloor (Item A) perpendicular to the wood joists (Item C) with end joints staggered.
 - C. Wood Joists. Use min. 2 by 10 wood joists, spaced 16 in. oc, fire blocked and braced as required by local code.
 - D. Gypsum Board (Layer 1): Min 1 layer of approved type-c 5/8 in. thick gypsum board. Attach to bottom chord of wood joists (Item 1C) with long dimension perpendicular to joists using approved fasteners and methods.
 - E. Resilient Channels: Use min 25 GA galvanized steel furring channels or min. 26 MSG galvanized steel resilient channels spaced a max. of

- 16 in. oc. Secure channels over first layer of gypsum board (Item 1D) perpendicular to bottom chord of wood joists (Item C) a max. 24 in. oc, using approved fasteners and methods.
- F. Gypsum Board (Layer 2): Min 1 layer of approved type-c 5/8 in. thick gypsum board. Attach to bottom of resilient channel (Item 1E) with long dimension perpendicular to channel using approved fasteners and methods.
- G. Load Restrictions: Apply load restrictions as noted in the referenced design listing.
2. CERTIFIED COMPANY: Elite Lighting Inc.
- CERTIFIED PRODUCT: Lighting Assembly
- MODEL: FireShield FS6 6", FS5 5", FS4 4" LED Recessed Housing with a Fire Rating
- A. Lighting assembly: Install lighting assembly with the following provisions:
- Max of one (1) assembly within 24 ft² area.
 - Nearest edge of a cutout for light fixture can be no closer than 16 in. to a gypsum board joint/edge.
- Position fixture, and extend bar hangers to fit between wooden joists (Item 1C). Bottom edge of bar hangers should be level with bottom of joist. Secure bar hangers by hammering the tabs. Follow the manufacturer's installation instructions and applicable electric code requirements.
- B. Flange: Install flange such that bottom lip is resting up against the second layer of gypsum board (Item 1F) and attached securely to the lighting assembly (Item 2A).