1-1/2" lightweight concrete on No. 15 asphalt felt
Carpet and pad
5/8" APA RATED SHEATHING subfloor
Wood joists 16" o.c.
Resilient channels spaced 24" o.c.
5/8" Gypsum wallboard screwed to resilient channels; joints taped
Also meets minimum construction requirements for one-hour fire-rated floor-ceiling assembly per Underwriters Laboratory (UL) Design No. L514. Ref. Geiger and Gmelin tests CCA-10MT and CCA-11MT (1972).

Resilient channels spaced 24" o.c.
5/8" Gypsum wallboard screwed to resilient channels; joints taped

Wood joists 16" o.c.

5/8" APA RATED SHEATHING subfloor

1-1/2" Lightweight concrete on No. 15 asphalt felt

Carpet and pad

(Lightweight Concrete Over APA Panels) STC = 58; IIC = 73

NOISE-RESISTANT FLOOR ASSEMBLY