

The chart below compares the major construction components of ceiling design M508 to other ceiling designs. The minor components (such as optional vapor barriers, floor material, etc.) are not included. Complete component listing and construction is available in UL Fire Resistance Directory.

M508	L563	L521	*L528	L546	L550	L586
Fire Resistance Ratings: ANSI/UL 263	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508
Finish flooring Nominal 1 in. by 4 in. T & G laid perpendicular to trusses or 15/32 in. thick wood structural panels minimum grade "Underlayment" or "Single Floor". Long dimensions of panel (strength axis) or face grain of plywood to be perpendicular to trusses with joints staggered.	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508
Subflooring 22/32 in. thick T&G wood structural panels. Installed perpendicular to trusses with end joints staggered 4 feet. Plywood or non-veneer APA rated panels secured to trusses with end joint staggered 4 feet. Plywood or non-veneer APA rated panels secured to trusses with construction adhesive and #6d ringed shank nails. Nails spaced 12 in. on center along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508
Trusses: Parallel cord trusses a maximum of 24 in. OC fabricated from nominal 2 x 4 lumber, with lumber oriented vertically or horizontally. Minimum truss depth is 12 in. Truss members secured together with min 0.0356 in. thick galvanized steel plates.	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508	Same as M508
Air ducts: Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.	Same as M508	Same as M508	None	Same as M508	Same as M508	Same as M508
Resilient Channels: Nominal 1/2 in. deep x 2 3/8 in. wide at base and 1 3/8 in. wide at the face, formed from .020 in. thick galvanized steel space 16 in. OC.	1/2 in. deep x 2 in. wide at base and 1 1/4 in. wide at the face, formed from .020 in. thick galvanized steel space 16 in. OC	1/2 in. deep x 2 3/8 in. x 0.20 in. thick galvanized steel spaced 16 in. OC	0.22 in. thick galvanized steel spaced 16 in. OC	3/8 in. deep x 2 3/8 in. x .020 in. thick galvanized steel spaced 16 in. OC	Same as M508	1/2 in. deep x 2 in. wide at base and 1 1/4 in. wide at the face, formed from .020 in. thick galvanized steel space 16 in. OC
Gypsum Board: Nominal 5/8 in. thick x 48 in. wide installed with long dimension perpendicular to resilient channel with 1 in. long type 'S' screws spaced 12 in. OC	Same as M508	Same as M508	Same as M508	Gypsum Board: Nominal 5/8 in. thick x 48 in. wide installed with long dimension perpendicular to resilient channel with 1 1/8 in. long type 'S' screws spaced 12 in. OC	Same as M508	Same as M508

* UL has not authorized the use of ceiling dampers in design L528.