



**UL Floor-Ceiling comparison Chart**

L563	L521	L528	L546	L550	L579
Fire resistance ratings ANSI/UL 263	Same as L563	Same as L563	Same as L563	Same as L563	Same as L563
Finish Flooring: Nom 1 by 4 in. T&G laid perpendicular to trusses or 15/32 in. thick wood structural panels min. 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 L563	Same as L563	Same as L563	Same as L563	(Not shown)
Note: Flooring systems: Finish flooring may consist of any of the 16 Listed systems	8 Listed systems	16 Listed systems	6 Listed systems	2 Listed systems	(Not shown)
Vapor barrier: ( Optional) Commercial asphalt saturated felt. 0.030	Same as L563	Same as L563	Same as L563	Same as L563	Same as L563
Subflooring: 23/32 in. Thick T&G wood structural panels. Installed perpendicular to trusses with end joint staggered 4 ft. Plywood or non-veneer APA rated panels secured to trusses with and joint staggered 4ft. Plywood or non-veneer APA rated panels secured to trusses with construction adhesive and no.6d ringed shank nails. Nails spaced 12in. on center along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.	Same as L563	Same as L563	Same as L563	Same as L563	Min 23/32 in. thick T & G wood structural panels installed perpendicular to trusses with joints staggered 4 ft. Plywood or nonveneer APA rated panels secured to trusses with construction adhesive and No. 6d ring shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.
Floor mat material:(Optional) 15 Listed systems	6 Listed systems	12 Listed systems	4 Listed systems	0 Listed systems	2 Listed systems
Trusses: Parallel cord trusses a max of 24 in. OC fabricated from nominal 2 x 4 lumber, with lumber oriented vertically or horizontally. Min truss depth is 18 in. Truss members secured together with min. 0.0356 in. thick galv. steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch) forming a split tooth type plate. Each tooth has a chisel point on it's outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx. 7/8 in. centers with four rows of teeth per inch of plate width.	Same as L563	Same as L563	Same as L563	Same as L563	Same as L563
Batts and Blankets: (optional) Glass fiber insulation 3-1/2 in. Max.	Same as L563	(Not shown)	Same as L563	Same as L563	Same as L563
Air Duct: Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.	Same as L563	(Not shown)	Same as L563	Same as L563	Same as L563
Resilient Channels: Nom. 1/2 in. deep by 2 in. wide at base and 1-1/4 in. wide at the face, formed from 1/4 in thick galvanized steel spaced 16 in. OC	1/2 in. deep x 2-3/8 in. x 0.020 in. thick galvanized steel spaced 16 in. OC	0.022 in. thick galvanized steel spaced 16 in. OC	3/8 in. deep x 2-3/8 in. x 1-3/8 in. 0.020 in. thick galvanized steel spaced 16 in. OC	1/2 in. deep x 2-3/8 in. x 0.020 in. thick galvanized steel spaced 16 in. OC	1/2 in. deep x 2-3/8 in. x 0.020 in. thick galvanized steel spaced 16 in. OC
Gypsum Board: Nominal 5/8 in. thick x 48 in wide installed with long dimension perpendicular to resilient channel with 1-1/4 in. long type "S" screws spaced 12 in. on center	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. on center	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. on center	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. on center	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. on center	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. on center
Unrestrained Assembly Rating: 1 hr. Finish rating: 25 min.	Unrestrained Assembly Rating: 1 hr. Finish rating: 25 min.	Unrestrained Assembly Rating: 1 hr. Finish rating: 25 min.	Unrestrained Assembly Rating: 1 hr. Finish rating: 25 min.	Unrestrained Assembly Rating: 1 hr. Finish rating: 25 min.	Unrestrained Assembly Rating: 1 hr. Finish rating: 23 min.

231 Commerce Dr. Montgomeryville, PA 18936  
Tel: 215-412-4445 Fax: 215-412-4409  
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073  
Tel: 904-541-1655 Fax: 904-541-1657  
Email: lloydind1@bellsouth.net

B1, 4/F., Luen Ming Hing Factory Building  
36 Mok Cheong St.,  
To Kwa Wan, Kowloon, H. K.  
Tel: 852-2760-4188 Fax: 852-2760-4177  
Email: tatanlexyim@lloydasia.com

