

LEAD INDUSTRIES ASSOCIATION, INC.

292 MADISON AVENUE

NEW YORK 17, N. Y.

December 3, 1963

SUBJECT: REMOVABLE WALLS WITH
LEAD LINING NOISE
BARRIER

To Members of the Lead Industries Association, Inc.:

Attached is a copy of a leaflet entitled "Removable Walls with Lead Lining Noise Barrier - Ideal for Motel Meeting Rooms" which appeared in "Canadian Motel/Motor Hotel Magazine," July-August, 1963, issue.

This leaflet will be mailed to approximately 13,000 architects, building contractors, building superintendents, and members of the Building Research Institute.

Upon request, 25 copies will be supplied to members without charge. Additional copies will be available at 5 cents each.

Mr. F. A. Kilgore, inventor of the wall, told us during a recent visit that since introducing his wall in November, 1962, installations have been made in 15 hotels and motels, 1 lounge and 1 restaurant, all in Canada.

Sincerely yours,

David M. Borcina
David M. Borcina
Secretary

DMB:HGM



Look Ahead with Lead

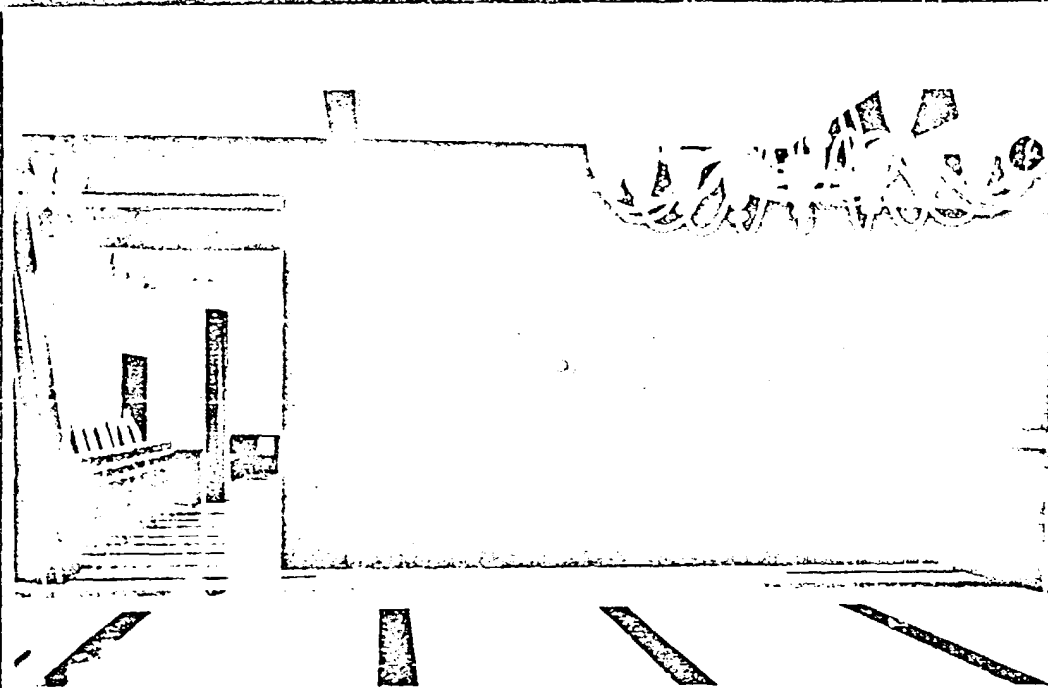
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C.S.I. Div. 9

Removable Walls
With Lead Lining Noise Barrier
... Ideal For Motel Meeting Rooms

Reprinted from Canadian Motel/Motor Hotel Magazine, July-August, 1963

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292 Madison Avenue
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A Kilgore Removable Wall partially in place at the Village Inn Motel at Sarnia, Ont.

Removable Walls

With Lead Lining Noise Barrier

... Ideal For Motel Meeting Rooms

The Kilgore Removable Wall Company's sound barrier partitions are easily demountable walls for dividing banquet and meeting rooms. Their main feature is their ability to insulate against the transmission of sound.

The walls consist of 2" wide panels of ceiling height (up to 13') or 16" wide panels to 16' joined

together with locks in the abutting edges.

The surface of each panel is covered in either a vinyl wall covering or a wood veneer. Any vinyl fabric can be used which will blend with or match the decor of the room. Some installations have had one panel of one shade with the adjoining panel different giving a very pleasant stripe effect. The

Canadian Motel/Motel Hotel Magazine

use of the vinyl is recommended because of its easy cleaning and resistance to scuffing and marking.

and is also placed between the panel frame and the panels carpet.

WALL EASILY INSTALLED

Mounting the panels to form the wall is a simple operation. The panel has a tongue along the top and down one side. A groove is along the second side. The panel is placed on the floor, and tilted so that top tongue fits into a channel of wood or metal built into the ceiling. The second panel is raised in the same manner, and slid against the edge of the first panel. At this point a rotary lock set in the edge of the panel is operated through a small hole in the panel surface and the two panels are locked together.

NO FLOOR SUPPORT NEEDED

The combining of the wall and ceiling channel plus the mass of the wall joined together causes the wall to be firmly held in position without any supports to the floor. This leaves the floor clear of obstructions so complete use may be made of the full room when the wall is removed. There are no holes in the floor to catch in ladies' heels or to collect dust and dirt.

To enable a tight seal to exist between the room and the wall, and between each panel in the wall, rubber is liberally employed. Foam rubber is used in the vertical channel, and closed cell neoprene is used between each panel, along the ceiling.

LIGHT IN WEIGHT

In order to halt sound transmission in walls, weight is necessary -- Conversely, to permit easy erection, lightness is required. The Kilgore Removable Wall panels weigh approximately 3.7 lbs/sq. ft., enough to attenuate the sound but still permit easy handling.

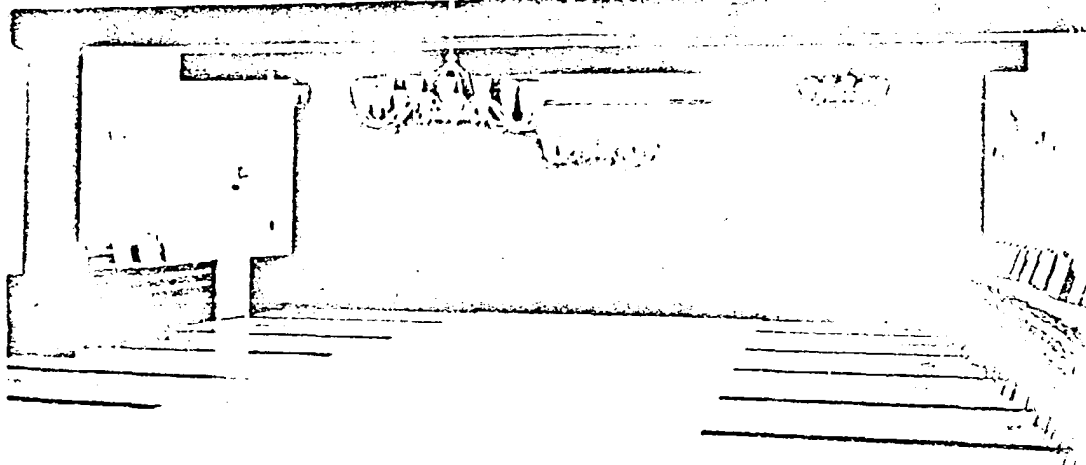
While the normal panel is 2' wide, a 1' panel is used when a door is needed. In this case the exterior of a normal door is sheathed in lead and vinyl covered. Air tight rubber gaskets are placed around the door, and an aluminum threshold is placed across the bottom of the opening. The door is usually demounted from its hinges when the wall is being taken down.

LEAD LINING NOISE BARRIER

The lead lining barrier works this way. Sound waves hit the lead sheet and part of them are absorbed. Most of the rest of the sound is reflected back towards its source. The sound that does pass through the lead also encounters air, glass fibre, and plywood, all of which with their different densities, contribute to "destructive interference" or sound deadening.

The access holes for the locks are placed in the side of the wall away from the lead, preventing any holes from existing in the main barrier.

This picture shows the Kilgore Removable wall completely assembled and dividing one of the meeting rooms of The Village Inn into two sound-proof rooms.



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