PLAINTIFF'S EXHIBIT

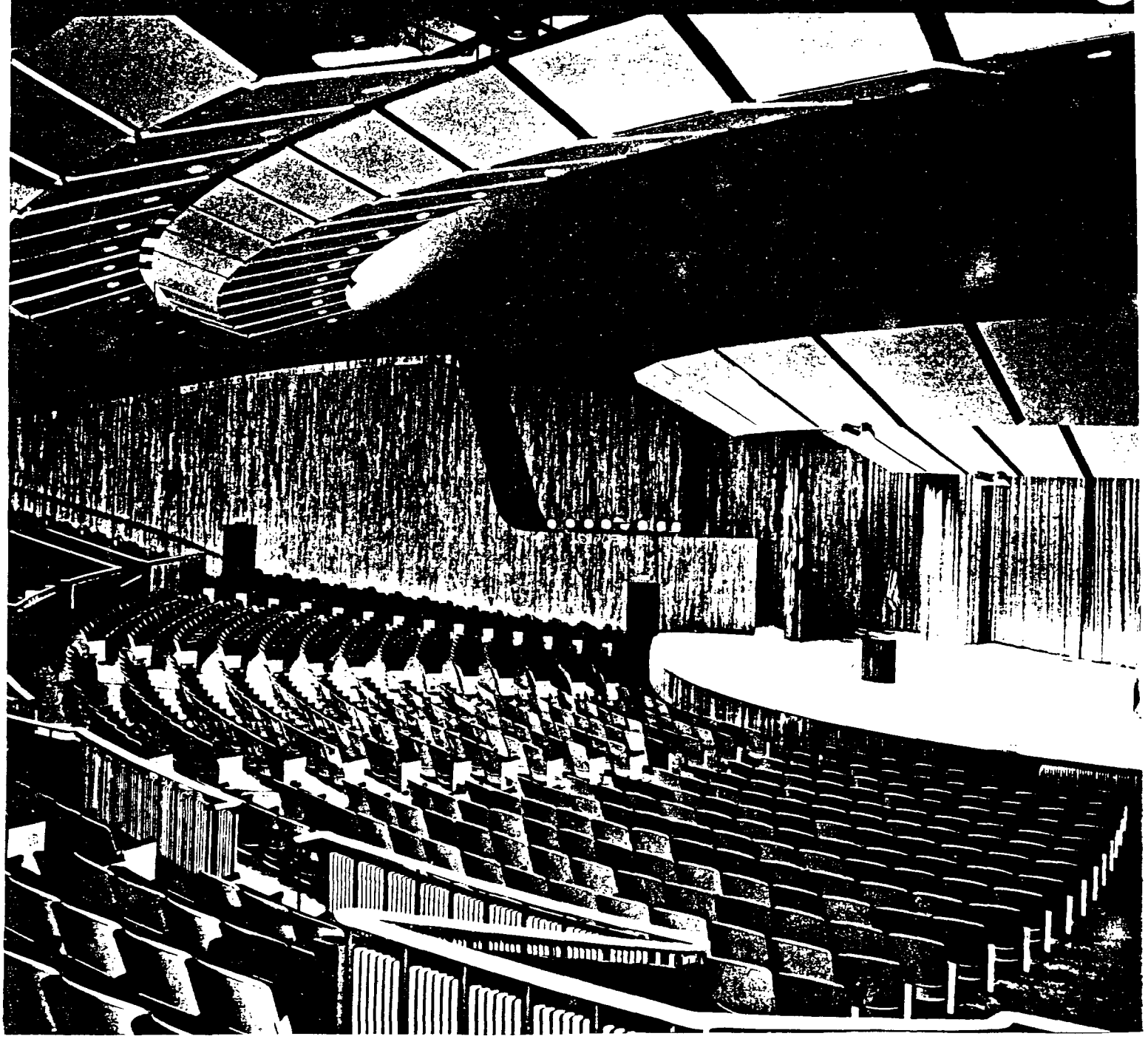
USG-1836

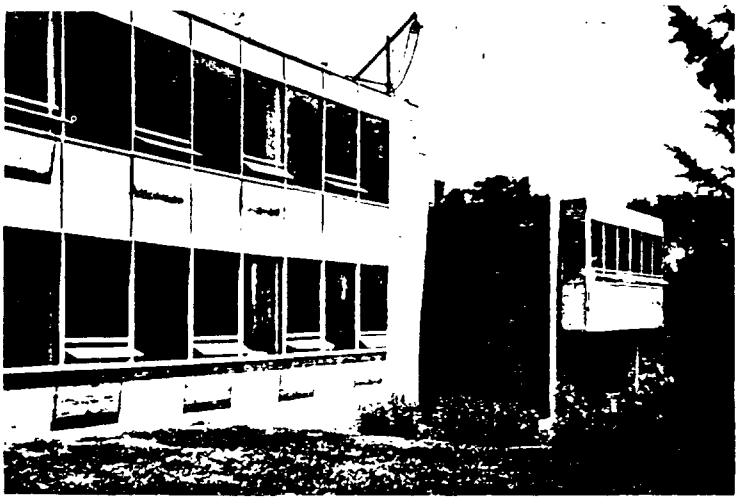
ISSUE 1 • 1958

RED TOPICS

THE MAGAZINE OF LATHING AND PLASTERING

BB011 0129





SHERWOOD SCHOOL, SHERWOOD, N Y

is plaster a luxury in schools?

SCHOOL BOARDS aren't really symposiums of penny pinchers. It is just that they have limited funds and unlimited interest in giving their children the best facilities their money can buy. That's why most school building efforts end up as low-budget projects, and architects pride themselves on the number of square feet of school they can design and build for every hundred dollars.

Architects on economy drives have sometimes been known to turn their backs on lath and plaster. This is precisely the time plaster can help an architect to structural as well as other construction savings.

To discover the economy of plaster an architect must look at total building costs. While plaster's economy can be demonstrated by merely comparing alternate specifications for exposed masonry construction and TRUSSTEEL stud/lath and plaster construction (when all costs are included), the real savings occur when a building is designed from the outset for TRUSSTEEL stud/lath and plaster partitions.

With a typical TRUSSTEEL stud/lath and plaster partition weighing a trifle more than 14 lbs. per sq. ft. compared to as much as 38½ lbs. per sq. ft. for masonry block partition construction, the wasted structural strength required solely to support an unnecessary dead load of partition weight is a major extravagance that most schools can ill afford.

Neither are the true economies of TRUSSTEEL stud/lath and plaster partitions revealed until alternate electrical and plumbing bids are compared. The labor costs for electricians and plumbers who must chisel their way through masonry walls represent prime waste when compared with time charges for the same men inserting pipe and conduit within the open web of TRUSSTEEL studs.

There are other economies too—elimination of reinforcement of lintels over doors and windows, for example, and the economy of extending the use of a trade that is already on a job.

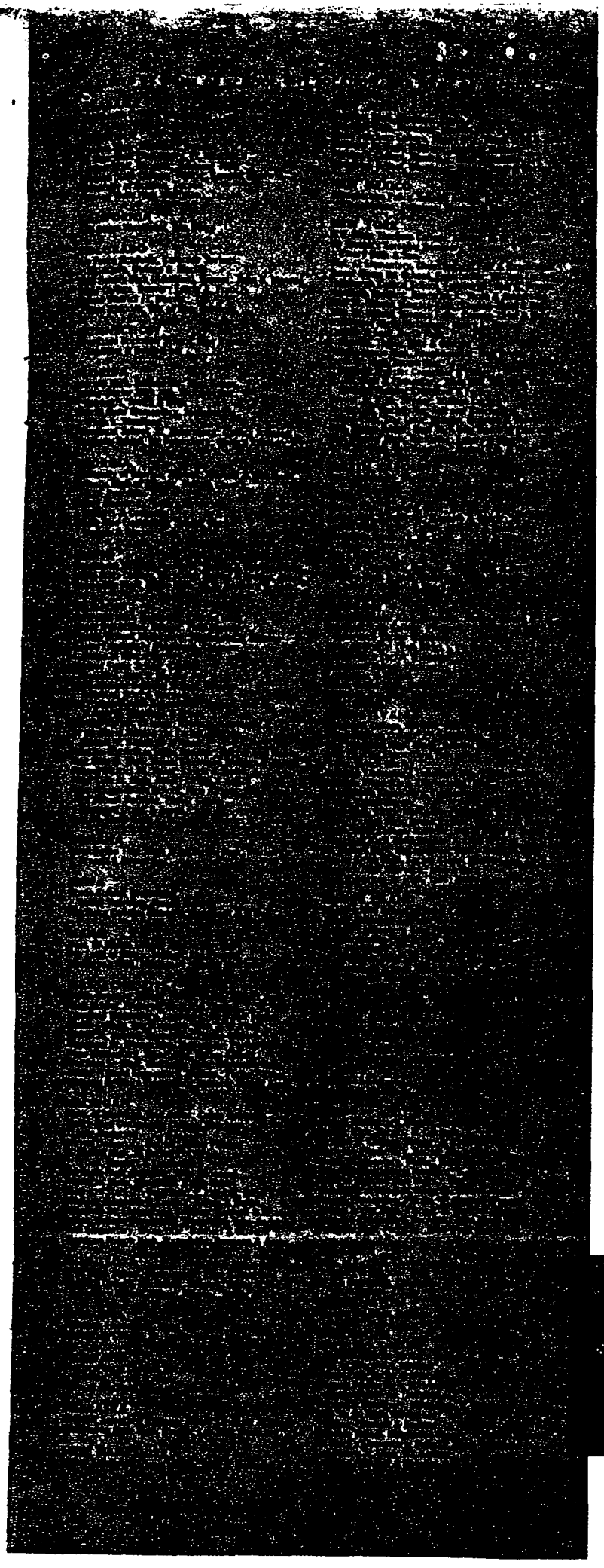
Figures sometimes paint pictures that are at variance with facts, especially if certain figures are absent when the totals are computed. In comparing partition systems, be assured that all the figures are there before conclusions are drawn. If it is economy that you want—it is lath and plaster that you will have.

BB011 0130

RED TOPICS

the magazine of lathing and plastering
300 W. Adams Street · Chicago 6, Illinois
a UNITED STATES GYPSUM publication
Elmer H. Johnson, Editor · Ross Schram, Jr., Associate Editor
F. W. Goessling, Art Director

NOTICE: The following trademarks are owned and/or registered in the United States Patent Office by United States Gypsum Co. They are used throughout this magazine to identify products manufactured by that company. TRUSSTEEL (metal studs), ROCKLATH (plaster base), USG (metal lath and other products), RED TOP (plaster and other products), AUDICOTE, SABINITE and HI-LITE (acoustical plasters), STRUCTO-GAUGE (gauging plaster), IVORY (finishing lime)
Copyright 1958, United States Gypsum Company
Photographs in this issue are by Paul Davis, Boston, Hedrich-Blessing Studio, Chicago, Rodney M Morgan, New York, Kranzten Studio, Chicago.

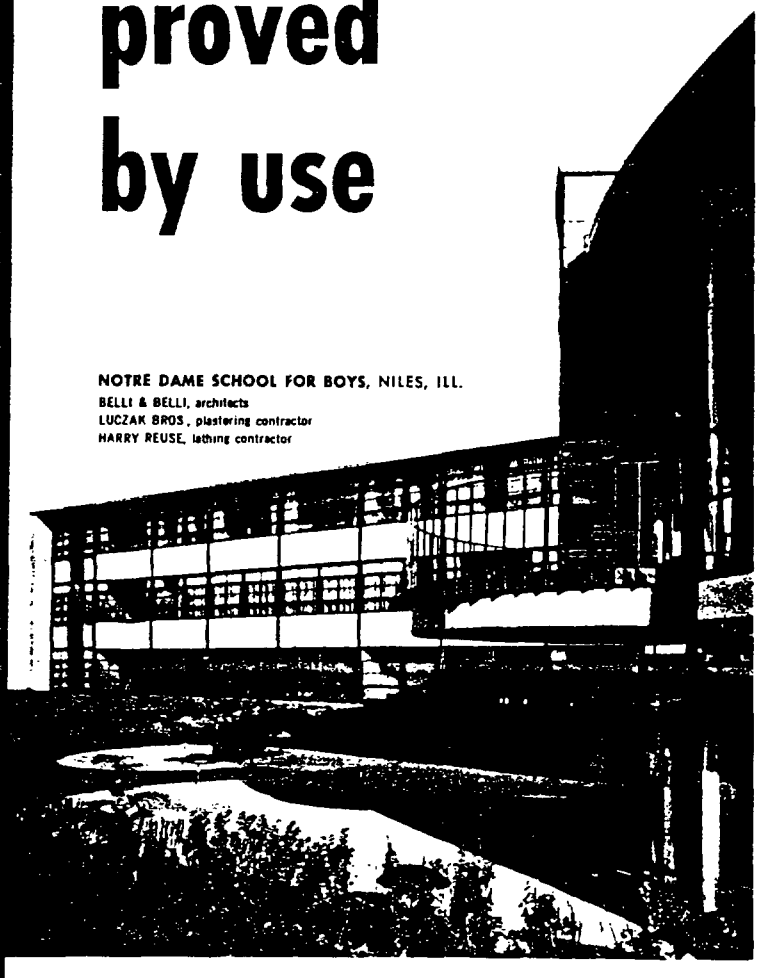


TESTING LABORATORIES can tell you what to expect from various partitions, but the real test is the opinions of those who have lived with them. On this page is a list of schools where TRUSSTEEL stud partitions are in use. In each case the choice of this partition was made by a discriminating school board and a respected architect.

They selected the TRUSSTEEL stud/lath and plaster partition (in some cases changing from painted masonry block partitions) because they were convinced of the quality and economy of the system. Now they are experienced with TRUSSTEEL stud partitions, from a construction standpoint and from a use standpoint.

Ask any one of them about their impression of the partition's sound transmission loss properties. Ask them about the success of its finished appearance and easy maintenance. Ask them about construction ease and economies. There is nothing like a good unbiased opinion or two as an aid to making your decision about partitions.

partition proved by use



NOTRE DAME SCHOOL FOR BOYS, NILES, ILL.
BELLI & BELLI, architects
LUCZAK BROS., plastering contractor
HARRY REUSE, lathing contractor

BB011 0131

your plasterer can give you low-cost chalkboards, any shape

THEY'RE WRITING on the walls these days, and in up-to-date schools there is no harm done—because the walls are chalkboards.

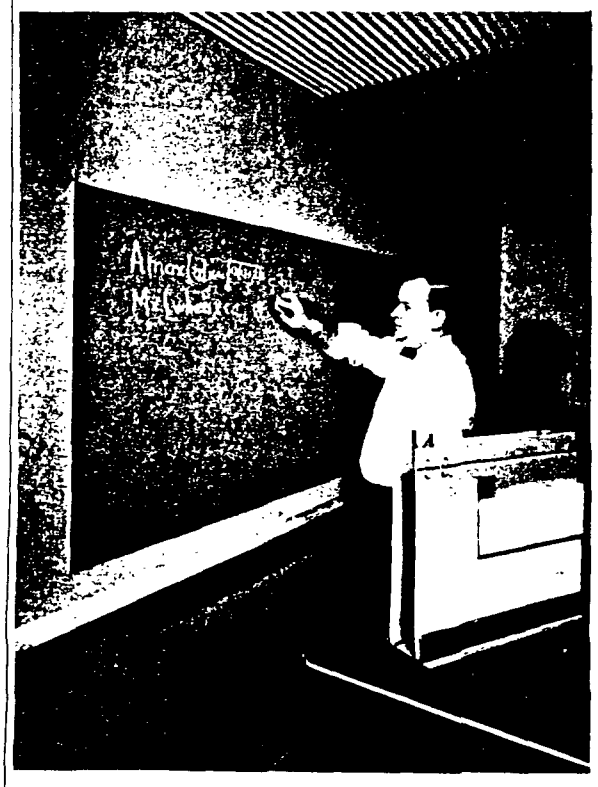
The plastering industry has developed a way of making chalkboards a part of the regular plastering job. As soon as the wall is plastered and painted the chalkboard is there. There is nothing more to buy—nothing more to install. Chalkboards can be any size or shape. Make them look like a fish or a duck for the kindergarten. Make them in the shape of a human torso so medical students can draw in the "plumbing." Make an entire wall chalkboard in a music room, mathematics or physics room, and you can fill a wall with figures. The shape of the board is flexible because plaster is plastic.

These boards write well and erase clean. Ask your United States Gypsum representative about them.

SPECIFICATIONS FOR BUILT-IN PLASTER CHALKBOARDS

Basecoats are standard sanded basecoat plaster mixed no more than 1:2. For a white coat, gauge IVORY lime with STRUCTO-GAUGE at 1:1 and add 25 lbs. of No. 1 white silica sand to each 100 lbs. of gauging. It is also desirable to add 10 lbs. of dry limeproof color to each 100 lbs. gauging so that color will be integral in the board as well as on the surface.

This lime putty coat must be troweled to a very dense surface with a power trowel. A sealer and two coats of chalkboard paint complete the job.



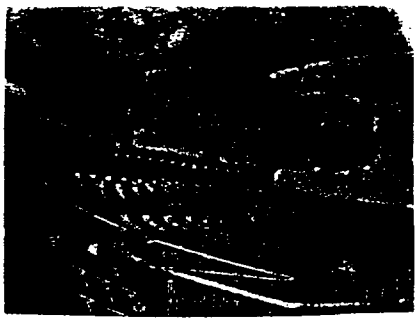
BOUNDARIES FOR PLASTER CHALKBOARDS can be established with simple plaster stop which permits the chalkboard to become a raised surface (see cut-away sample). Chalkboard shape can be anything to which the plaster stop can be formed.

THIS 33-FOOT WALL was installed in a remodeling project which made two music rooms from a storage space in Lindenhurst High School, Lindenhurst, Long Island, N.Y. This entire surface is chalkboard. The wall was erected with ROCKLATH plaster base attached to TRUSSTEEL studs. On one side, the attachment was with USG resilient clips. The exceptional sound transmission loss that resulted permits both rooms to be used for vocal and instrumental music and loud-voiced high fidelity reproducing equipment without disturbing those in the adjoining room. Thus lath and plaster fulfilled two major school functions in addition to dividing the space.

FREDERICK P. WIEDERSUM ASSOCIATES, Valley Stream, L.I., architects
UNITED PLASTERING CO., Bethpage, L.I., plastering contractors

BB011 0132

CHROMATIC



AS SHOWN ON THE COVER, plaster panels disperse sound to all parts of the new auditorium at Massachusetts Institute of Technology.

EERO SAARINEN & ASSOCIATES, Bloomfield Hills, Mich., Architect
MUIR BROS CO., Roxbury, Mass., plastering contractor

name your problem— plaster has an answer



EDISON JUNIOR HIGH SCHOOL, Tulsa, Okla., found economy and an effective sound barrier by the use of TRUSSTEEL stud partitions.

THE PRACTICE of plastering walls and ceilings with gypsum is ancient and primitive, but because of modern science, plaster now has the answer to almost any wall surfacing situation. School construction jobs present a multitude of these situations. The wide scope of plaster formula variations makes available a plaster to meet any one of these.

PLASTER FOR HARD KNOCKS

For example, one of plaster's many formula variations produces a product that is ideal for the hard knocks of school. Corridors, washrooms, and even classrooms are subjected to more than ordinary punishment by the unpredictable forms through which youthful enthusiasm expresses itself. RED TOP wood fiber gypsum plaster, containing finely shredded, selected wood fiber in correct proportion, can withstand impact up to 2100 lbs. psi—2½ times the impact strength of normal plaster sanded 3 to 1. In addition, its tensile strength is 3½ times greater, so it will withstand considerably more than normal strain before cracking.

RED TOP wood fiber plaster is a factory-prepared gypsum basecoat material, with only water being added on the job. Because of its high gypsum content it has exceptional fire resistance. A wood stud, metal lath partition offering a one-hour fire rating when plastered with standard sanded basecoat plaster becomes a 1½-hour partition, if plastered to the same thickness with RED TOP wood fiber plaster.

Wood fiber plaster is somewhat more difficult to spread under the trowel than sanded or perlited plaster. This fact and higher material costs add about 10 to 15 percent to the basecoat cost of the same area plastered with a sanded basecoat.

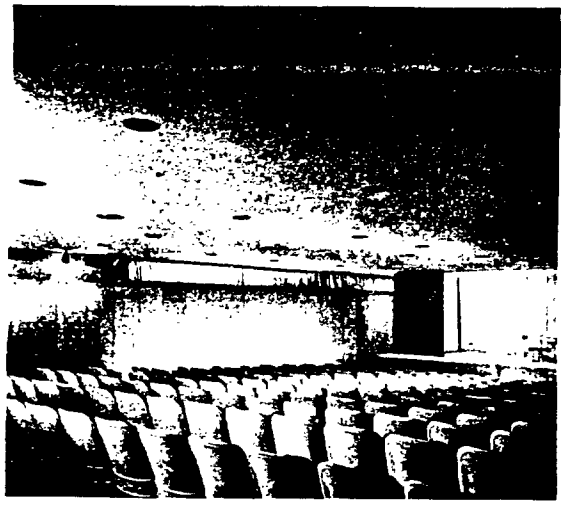
PLASTER FOR SOUND CONTROL

While scaffold is in place—while the trade is on the job, plasterers can apply acoustical ceilings at a fraction of the cost of other types of acoustical materials.

There is a choice among acoustical plasters. Possibly the most interesting, from an appearance standpoint, is AUDICOTE acoustical plaster, especially designed for spray-on application. The attractively even, consistent texture is a pleasure to the eye, while the quieting effect it has on the normal noise of school operation is a comfort to the ear.

The white-white surface of the acoustical plaster field is HI-LITE acoustical plaster (.70 to .80 light reflection). This material is troweled on and must be stippled or stipple perforated, bringing acoustical effi-

SPRAYED-ON AUDICOTE acoustical plaster is a special beauty treatment for ceilings, coupled with excellent sound-quieting properties.



BB011 0134

TWO-INCH SOLID CHANNEL stud and metal lath partition creates a modest-cost and very substantial division between classrooms and corridor at Notre Dame School for Boys, Niles, Ill.





CHANNEL STUD PARTITION at Notre Dame High School accommodates heavy plumbing lines with ease.

STAIRWELL AT MIT auditorium gets wood fiber plaster basecoat to provide super strength to resist impact and give extra service in this high-traffic area.



ciency up to .60. It works easily and can be used in areas of moderately high humidity such as swimming pools.

For a trowel or float finish, SABINITE acoustical plaster is an excellent choice. It has a noise reduction coefficient of .60 under the trowel. It can be cleaned with brush or wallpaper cleaner and can be spray-painted with negligible loss of acoustical efficiency.

PLASTER FOR MOISTURE RESISTANCE

Plaster meets the challenge of high humidity situations with RED TOP Keene's cement lime finish. This also provides an exceptionally hard, abrasion resistant surface. For these same problems STRUCTO-GAUGE high strength gauging plaster is also recommended.

The latter sets faster and works more easily. Either of these two finishing plasters, used over RED TOP wood fiber plaster, creates a wall surface that can absorb unbelievable punishment.

So lathers and plasterers are men of many parts. On a school job they can provide the noise reduction, the sound transmission loss, the abrasion and/or moisture resistance you want, the chalkboards you need, and the ornamentation that gives appearance a lift. Because plaster is plastic material, they can do these things in practically any shape you specify. Lath and plaster is the school board's best and most thrifty friend.



STIPPLE PERFORATED HI-LITE acoustical plaster offers excellent sound quieting properties and high light reflection at one of the new buildings at Howard University, Alexandria, Va.

BB011 0135

ISSUE 1 · 1958 **RED TOPICS** MAGAZINE

300 W. Adams St., Chicago 6, Ill. • Return Postage Guaranteed

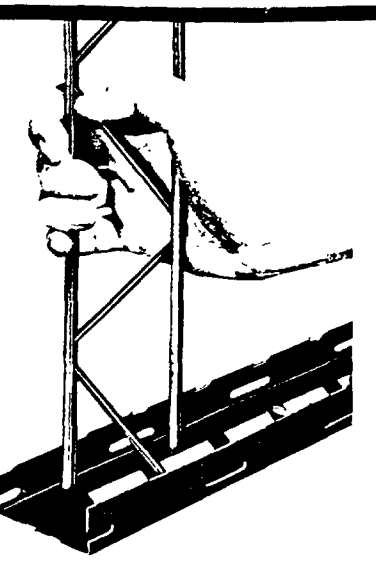
UNITED STATES GYPSUM COMPANY DISTRICT SALES OFFICES are located in the following cities. Further information about any item in this magazine and complete details about all U.S.G. products are available at these offices.

Miss G. Judd,
Dept. 157-A

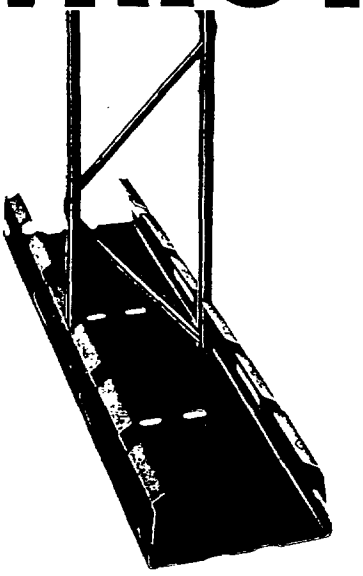
HISTORICAL FILE
Trade Test Station
Received .....
DO NOT DESTROY

RT81

a **TWIST** of the **WRIST** saves time...cuts job costs



NEW!
TRUSSTEEL*
stud snap-in runner track



DESIGNED TO
- Save labor
- Eliminate stud shoes
- Minimize wire tying

For more information contact your United States Gypsum representative or write to RED TOPICS magazine, 300 W. Adams St., Chicago 6, Ill.

USG UNITED STATES GYPSUM

UNITED STATES GYPSUM
The Greatest Name in Building

* T.M. REG. U.S. PAT. OFF.

BB011 0136

ISSUE 1 · 1958 **RED TOPICS** MAGAZINE

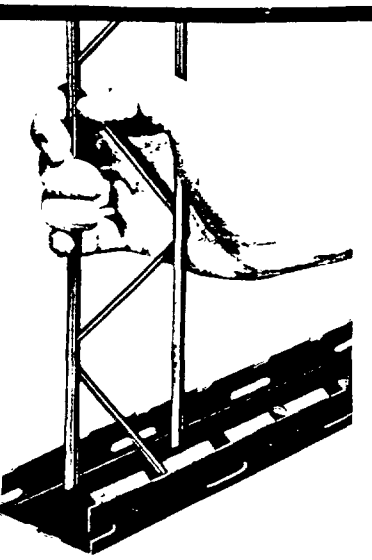
300 W. Adams St., Chicago 6, Ill. • Return Postage Guaranteed

HISTORICAL FILE
Trade-Mark Protection
Received 2-7
DO NOT DESTROY

UNITED STATES GYPSUM COMPANY DISTRICT SALES OFFICES are located in the following cities. Further information about any item in this magazine and complete details about all U.S.G. products are available at these offices.

Mr. J. K. Wise
Manager
Patent Department
Dept. 157

RT81

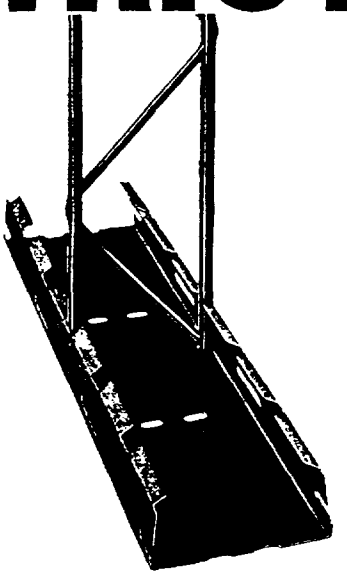


a **TWIST** of the **WRIST** saves time...cuts job costs

NEW!

TRUSSTEEL*

stud snap-in runner track



DESIGNED TO

- Save labor
- Eliminate stud shoes
- Minimize wire tying

For more information contact your United States Gypsum representative or write to RED TOPICS magazine, 300 W. Adams St., Chicago 6, Ill.

USG UNITED STATES GYPSUM

UNITED STATES GYPSUM
The Greatest Name in Building

BB011 0137