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PLAINTIFF'S EXHIBIT

GP-2244

BESTWALL

GYM WALL
PROOF

1965



REINFORCED WITH GLASS FIBERS

A.I.A. FILE NO. 23-1

SGP 0026551

the original
BESTWALL
 glass fiber reinforced
 GYPSUM
 WALLBOARD

DESCRIPTION

Bestwall Gypsum Wallboard consists of a glass fiber reinforced core of gypsum rock enclosed between two layers of tough paper. The durable cream face paper is folded around the long edges to reinforce and protect the core. The ends are square cut and smooth finished. A strong gray paper is on the back side. The fiberglass content of Bestwall gypsum board products is an important and unique factor to consider in specifying drywall construction. Literally miles of glass fiber filaments of uniform strength and length are dispersed in the gypsum core to add greater resilience, strength and handling ease.

FIBERGLASS DATA

THICKNESS	APPROX. CONTENT IN MILES PER SQ. FT.
3/8"	1.2
1/2"	1.6
5/8"	2.1
1 1/2" Firestop	10.4
5/8" Firestop	12.8

ADVANTAGES

Fireproof—The solid core of gypsum wallboard is incombustible. Gypsum will not burn and will not transfer heat in excess of 212° F. until all its water of crystallization has been driven off in the form of steam.

Strength—Readily resists flexural stresses and will not crack or sag when applied to ceilings in the specified manner. Flexible enough to conform to moderately curved surfaces.

Joint Treatment—Bestwall Wallboard is finished with tapered edges to accommodate the Bestwall Joint Systems or square edges for exposed joints.

Fast Decoration—Gypsum Wallboard, a "dry" material, allows painting or other decoration shortly after application of Joint Treatment.

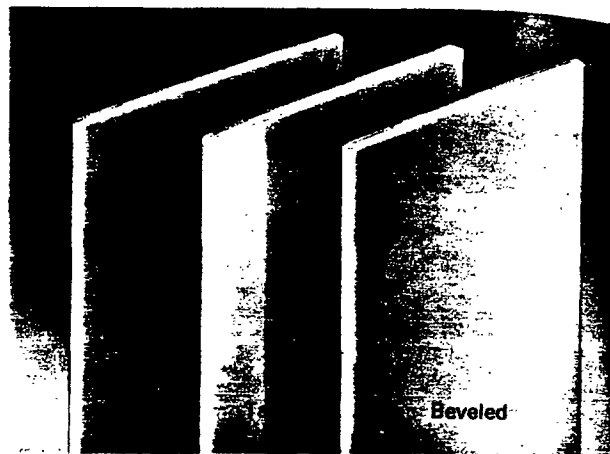
Economy—Large, lightweight panels go up fast. They may be "scored and snapped" or sawed to size.

Drywall—Plant fabricated gypsum wallboard eliminates extreme moisture in wall constructions.

LIMITATIONS OF USE:

- Gypsum Wallboard shall not be used where it will be exposed to water or excessive moisture. Bestwall Gypsum Tile Backer Board shall be used in any high moisture area.
- 1/4" Bestwall Gypsum Wallboard should be applied only to existing surfaces or used in temporary or display work. Surfaces should be sound. When necessary, furring strips should not be spaced over 16" o.c. 3/8" Bestwall Gypsum Wallboard should not be applied to nailing members spaced over 16" o.c. Horizontal application must be used on ceilings. 1/2" or 5/8" Bestwall Gypsum Wallboard should not be used on nailing members over 24" o.c. When applied to ceilings with the nailing members exceeding 16" o.c. the wallboard must be applied with the paper bound edges at right angles to nailing member.
- All furring used in application of gypsum wallboard shall have a minimum cross section of 2" x 2" (nominal), with space limitations as above.

REGULAR GYPSUM WALLBOARD



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
6' to 16' (in even feet)	4'	1/4", 3/8" 1/2", 5/8"	Tapered, Square, Beveled (special order only)

DESCRIPTION

Bestwall Regular Gypsum Wallboard is manufactured with Tapered or Square Edges and faced with a strong, cream-colored paper which will take any type of decorative treatment. 1/2" and 5/8" wallboard with Tapered Edges are recommended for single layer application in new construction. Tapered Edges are designed to be reinforced by the Bestwall Joint Systems for smooth, seamless surfaces.

Square Edges are recommended for use where exposed joints are acceptable. Increased resistance to fire exposure and sound transmission depend upon greater board thickness used (see Technical Data Chart, p. 6).

Wood stud load-bearing partitions faced on both sides with 1/2" Bestwall Gypsum Wallboard have a fire endurance of 40 minutes, as tested in accordance with E-119 Standard Method of Fire Tests of Building Construction and Materials specified by the American Society for Testing Materials. When faced with 3/8" Bestwall, the fire endurance is 25 minutes.

3/8" Gypsum Wallboard is used primarily in repair and remodeling work. Light weight permits easy handling and application. It is also recommended for use in double layer laminated gypsum wallboard construction.

1/4" Gypsum Wallboard is a lightweight economical gypsum product for application directly over existing walls and ceilings and for use on curved surfaces and in display work.

Bestwall Gypsum Backer, designed for field lamination of gypsum wallboard, acoustical tile and other compatible materials with adhesives, provides low cost, level surfaces for further decorative treatments. It may be applied over load bearing or non-load bearing wood or metal framing with nails or clips.

INSULATING GYPSUM WALLBOARD (FOIL BACKED)



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
6' to 16' (in even feet)	4'	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{5}{8}$ "	Tapered, Square

DESCRIPTION

Bestwall Insulating Gypsum Wallboard is regular gypsum wall board with bright aluminum foil laminated to the back surface. In a single application it provides the advantages of regular gypsum wallboard, plus an effective vapor barrier and insulating qualities. It is manufactured with Tapered or Square edges.

ADVANTAGES

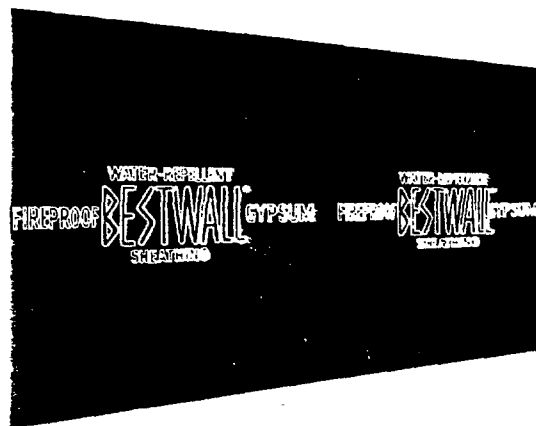
Insulation—Panels must be installed with foil side against the studs. To have reflective insulation value, FHA requires the foil to face a minimum air space of $\frac{3}{4}$ ". The aluminum foil, according to U. S. Bureau of Standards Tests, reflects 90% of radiant heat. It provides insulation approximately equal to $\frac{1}{2}$ " fiberboard.

Vapor Barrier—Bestwall Insulating Gypsum Wallboard provides an efficient vapor barrier. The aluminum foil stops vapor from entering the exterior wall construction, thereby reducing condensation in stud spaces.

Economical—Large, lightweight panels handle easily and can be scored and snapped to desired size.

Glass Fiber Reinforced—Miles of glass fibers are dispersed in the gypsum core to provide added resilience, strength and handling ease.

GYPSUM SHEATHING



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8'	2'	$\frac{1}{2}$ "	V edge Tongue-and-Groove
8', 9'	4'	$\frac{1}{2}$ "	Square

DESCRIPTION

Bestwall Gypsum Sheathing is the only gypsum sheathing reinforced with glass fibers. The "asphalted" reinforced gypsum core is protected by highly water repellent paper, eliminating need for an underlayer of treated building paper (except where required by local building codes).

The 2' wide sheathing is manufactured with precision formed tongue-and-groove edges to provide a structurally strong and stable wall. V-tongue-and-groove edges fit snugly minimizing wind infiltration.

The 4' wide square-edge sheathing, applied vertically, completely eliminates the need for corner bracing. It is designed to meet FHA Technical Circular 12 requirements. Racking Tests were made in conformance with ASTM E72.

ADVANTAGES

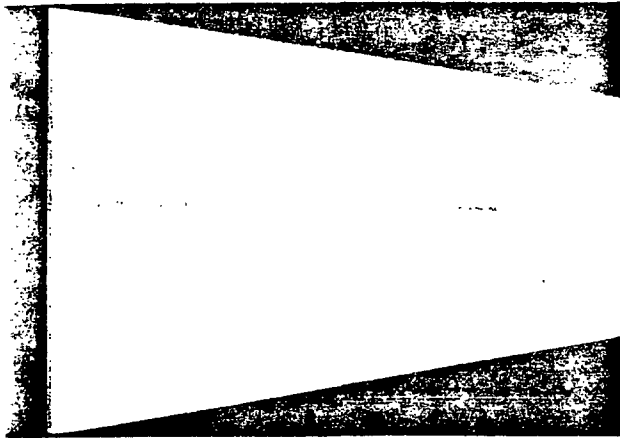
Fireproof—Exterior wood stud wall is rated for one full hour fire-resistance from both sides in combination with $\frac{5}{8}$ " Bestwall Firestop or other 1-hour interior construction applied over studs and any exterior finish (wood siding, stucco, brick, veneer, etc.) over $\frac{1}{2}$ " gypsum sheathing.

Glass Fiber Reinforced—This exclusive development assures greater flexibility and resistance to shock and setting, better nailing qualities and strength.

Water Repellent—The gypsum core contains an emulsion to provide high resistance to water absorption. Meets ASTM 79-54 including the water resistance test.

Economical—Large panels cover large areas quickly and with little waste. Building paper is not required (except where demanded by local building codes). New 4' sheathing eliminates corner bracing, thus keeping labor and material costs to a minimum.

NEW IMPROVED BESTWALL FIRESTOP



SIZES

LENGTH	WIDTH	THICKNESS	EDGES
6' to 16' (in even feet)	4'	1/2" or 5/8"	Tapered, Square or Tongue-and-Groove

DESCRIPTION

New Improved Bestwall Firestop, combining all the advantages of the original gypsum wallboard in the original Type "X" gypsum wallboard, has substantially greater glass fiber reinforcement than ever before for increased fire protection, strength and better nailing qualities. The original Type "X" gypsum wallboard provided a full 1 hour fire retardant rating in single layer application over incombustible and combustible framed walls and partitions and floor and ceiling assemblies. Now through greater glass fiber reinforcement, its fire resistance has been increased to permit two hours when used in a single layer treatment as the ceiling below an incombustible floor and ceiling assembly.

ADVANTAGES

Economical—Large, lightweight panels handle easily and can be scored and snapped to desired size.

Low Cost—New Improved Bestwall Firestop is one of the lowest cost fireproofing materials available today.

Crack-Resistance—Resists cracks due to framing movements, vibrations and settling. Unaffected by humidity or extremes in temperatures.

Strength—Resists crosswise stresses. 5/8" Firestop has flexural strength of 240 to 290 lbs. as compared to ASTM minimum requirements of 145 lbs. for 5/8" regular gypsum wallboard and a Federal Specifications minimum requirement of 105 lbs. for 1/2" regular gypsum wallboard.

MEETS BUILDING CODE REQUIREMENTS

Bestwall Firestop in various assemblies meets Building Code requirements from 45 minutes to 3 hours for interior wall and ceiling construction in buildings of all types from highly incombustible to wood frame; and for various occupancies of residential, public and commercial character.

SOUND TRANSMISSION RATINGS

Official Sound Transmission Tests of various assemblies make possible partitions with Sound Transmission Class (STC) of 34 to 58. 5/8" Bestwall Firestop over 1/2" Bestwall Sound Deadening Board each side of wood studs 16" on center has been proven in a full scale fire test to have a 1 hour fire resistance. This same construction has an STC of 45.

FIRE RESISTANCE

Bestwall Firestop is recommended where extra fire resistance is required in residential, commercial and public buildings. 5/8" thickness for years has provided one-hour fire resistance in single layer application on both walls and ceilings over wood or steel, while 1/2" thickness has provided 45 minutes fire rating in single layer application when applied over wood framing, for both walls and ceilings.

See the tabulation on pages 8-9 for greater fire resistance in single layer application for both 1/2" and 5/8" thick Bestwall Firestop.

The extra fire protection offered by Bestwall Firestop is built right into the core through the use of specific amounts of incombustible glass fibers and unexpanded vermiculite.

1/2" and 5/8" Bestwall Firestop qualify for Building Code acceptance in the constructions as shown in the table on pages 8-9. Bestwall Firestop is listed by Underwriters and carries the UL Label for 45 minutes, 1, 2 and 3 hour Fire Resistance in various Designs and for Fire Hazard Classification of 10-15 Flame Spread.

MANIFEST FOR 5/8" BESTWALL FIRESTOP

FIRE HAZARD CLASSIFICATION

Flame Spread	10-15
Fuel Contributed	5-15
Smoke Developed	0.45



FLOOR AND CEILING
Design No. 69—2 hr.
Design No. 217—2 hr.
Design No. 13—1 1/2 hr.
Design No. 3—1 hr.
Design No. 1—1 hr.

FIRE RESISTANCE CLASSIFICATION

COLUMN PROTECTION
Design No. 18—3 hr.
Design No. 8—2 hr.

WALLS AND PARTITIONS
Design No. 5—2 hr.
Design No. 7—2 hr.
Design No. 5—1 hr.
Design No. 15—1 hr.
Design No. 11—1 hr.

YOU ARE PROTECTED AGAINST SUBSTITUTION of inferior material by Underwriters' Laboratories Inspection Service, as evidenced by the Underwriters' Laboratories Mark which appears on the twin mounting tape binding each bundle of 2 pieces. And especially important to architects and building inspectors, the front of each sheet is marked "5/8" Bestwall Firestop Type X" so that it's easy to identify when in place.

1/2" FIRESTOP GYPSUM BACKER

SIZES

LENGTH	WIDTH	THICKNESS	EDGES
8'	2'	5/8"	Tongue-and-Groove
8' to 16'	4'	5/8"	Square

DESCRIPTION

Bestwall 5/8" Firestop Gypsum Backer, with greater glass fiber reinforcement than ever before, is used as a backing for decorative surface treatments of acoustical plaster, tile, plywood and various veneers. A single layer application of 5/8" Bestwall Firestop Gypsum Backer on both sides of wood or steel framing, enables load bearing or non-load bearing wall, floor and ceiling assemblies to resist temperatures rising to 1700°F in a standard time temperature curve for one hour.

Firestop Gypsum Backer consists of a gypsum core with expanded vermiculite, reinforced with literally miles of high tensile strength glass fibers, firmly bonded to a porous grey paper on both sides. The vermiculite balances gypsum shrinkage by expanding when exposed to heat, while the textile glass filaments keep the core intact even after its chemically combined water has been released. Official tests by Underwriters' Laboratories have proven the fire resistance of wall and floor and ceiling assemblies do not need the joints treated and finished by the fire resistance ratings shown in the chart on page 8-9.

COLUMN FIREPROOFING

DESCRIPTION

Fireproofing with Bestwall Firestop Gypsum Wallboard provides a fast, efficient and economical method of protecting steel columns. Fire resistant assemblies of two and three hours are obtainable depending upon the number of layers of 5/8" Bestwall Firestop used. These layers are held in place by a combination of screws and metal studs. Both the two and three hour fire rated assemblies of Firestop have passed Official Fire Tests conducted by the Underwriters' Laboratories.

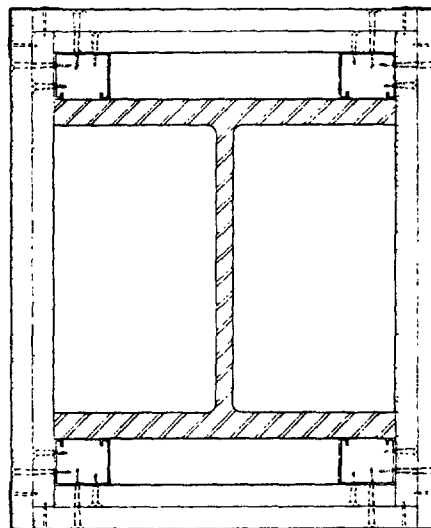
ADVANTAGES

Fire Resistance—3 hour fire resistive protection for steel columns can be obtained with three layers of 5/8" Bestwall Firestop and 2 hour fire resistive protection can be obtained with two layers of 5/8" Firestop. Where necessary, 1 hour of fire protection can be obtained with two layers of 1/2" Bestwall Gypsum Wallboard and 1 1/2 hour protection with 3 layers of Bestwall Gypsum Wallboard.

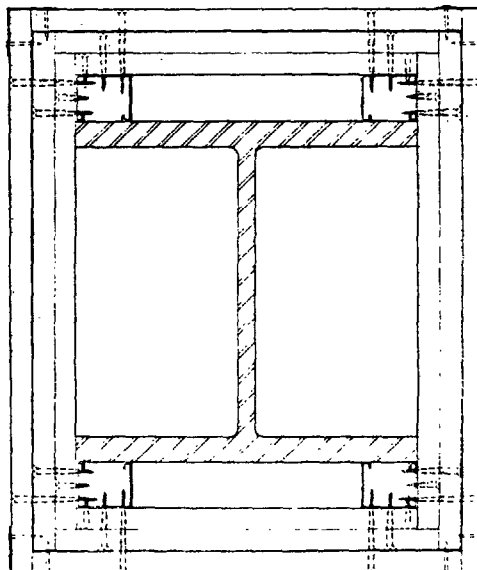
Economy—Low material cost, speed of erection and minimum number of materials provides lower construction costs.

Lighter—As compared to other types of fireproofing, a dead load saving of from 50 to 75% can be realized with Bestwall Firestop Column Fireproofing.

Speed of Erection—Bestwall Firestop Gypsum Wallboard can be installed quickly and easily when used for column fireproofing following Bestwall details. Minimum amount of the wire and adhesives are used.



TWO-HOUR fire rated steel column assembly with 5/8" Bestwall Firestop.



THREE-HOUR fire rated steel column assembly with 5/8" Bestwall Firestop.

TILE BACKER BOARD

SIZES

LENGTH	WIDTH	THICKNESS	EDGE
8', 11', 12'	4'	1/2"	Tapered

DESCRIPTION

Bestwall Tile Backer Board is a water-resistant gypsum product with a light blue face paper, designed for use as a base for the adhesive application of ceramic, metal or plastic tile. The gypsum core consists of incombustible gypsum rock, reinforced with glass fibers, combined with an emulsion giving high water resistance. This new Bestwall product is ideal for bathrooms, kitchens, powder rooms, and all high moisture areas.

Bestwall Tile Backer Board can be erected as easily as wallboard and requires no finishing of joints or nail heads with joint treatment nor further waterproofing under tile applied adhesively. Tile Backer Board is sealed at cut edges with a special 2" wide self-adhering vinyl tape. Approximately one roll per msf. wallboard. Also used over any joints under tile.



ADVANTAGES

Water Resistant—Core is specially treated with a water resisting emulsion and the paper is treated in manufacturing to make Bestwall Tile Backer Board more water resistant.

Economical—Taping joints and cut edges with vinyl pressure-sensitive tape can save time and money.

Ease of Application—Bestwall Tile Backer Board can be applied like regular gypsum wallboard. Cut edges can be sealed easily with vinyl tape and no waterproofing primer is necessary before applying the tile.

Glass Fiber Reinforced—Miles of glass fiber filaments of uniform strength and length are dispersed in the gypsum core to provide greater shock resistance and greater compressive strength.

Convenience Outside Tile Area—For areas not covered by tile, joints and nail heads may be treated as those in regular wallboard and the surface primed and painted with adjacent areas of regular wallboard.

PRE-DECORATED GYPSUM PANELING ETERNAWALL



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8', 10' (other lengths on order)	4'	1/2" (3/8", 5/8" on order)	Beveled

DESCRIPTION

Bestwall Eternawall combines all the advantages of regular gypsum wallboard with the beauty and durability of vinyl. The fireproof gypsum core of the panels are reinforced with glass fibers for extra strength. The linen-textured vinyl surface provides permanent crack and chip-resistance. Eternawall Panels are available in 5 standard colors: Sand, Shadow Gray, Snowdrift, foam Blue and Spring Green. Also available in the Decorator Line of Eternawall is Woodmere Walnut, a striking pattern that gives a rich true-wood appearance.

The Decorator Line of Eternawall is available in over 100 trend setting colors and patterns that offer unlimited design possibilities.

Both the standard colors and the Decorator Line provide bright, attractive interiors or accent walls in homes as well as commercial and institutional structures whenever beautiful, easy-to-clean walls are desired.

ADVANTAGES

Fade-Resistant Colors—Eternawall colors are permanent, fade resistant. Inexpensive to maintain, the color or design will not be impaired when cleaned.

Easy Maintenance—An occasional wipe with a damp cloth keeps the vinyl surface clean and new looking. No special treatment is needed. The surface may be repainted, if desired, to accommodate subsequent changes in decor.

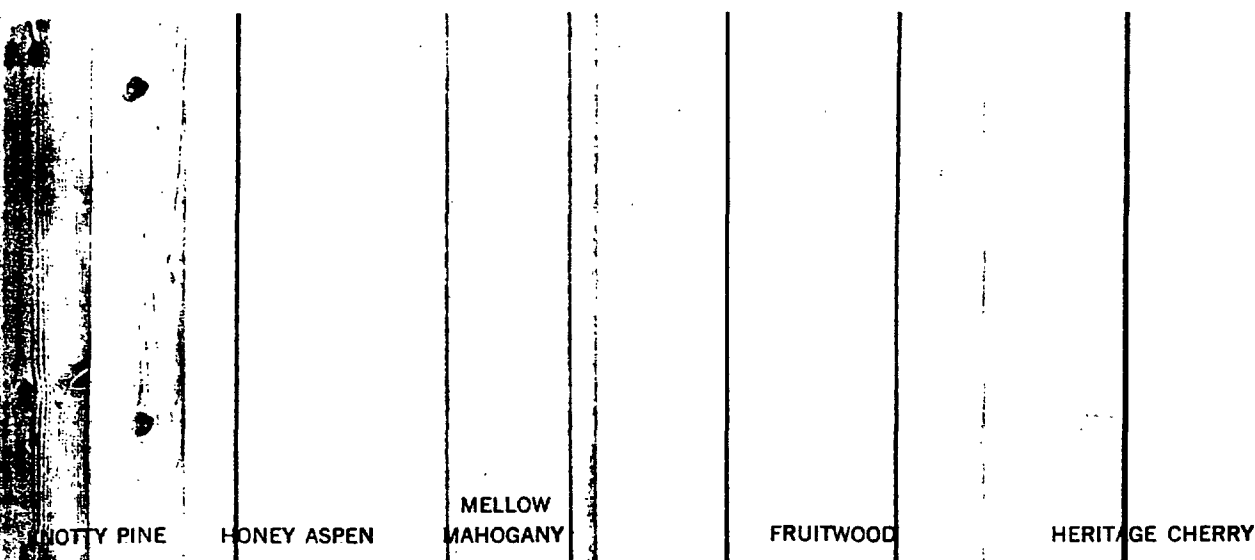
Easy to Install—Large panels handle with the ease of regular gypsum wallboard. Vinyl surface is easily cut and the board snapped to size. Nails of matching color blend with the paneling.

Reinforced with Glass Fibers—Miles of glass fibers reinforce the gypsum core for added impact strength and resilience.

SGP 0026556

TRU-GRAIN

DELUXE TRU-GRAIN



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8' 9' 10'	4'	$\frac{3}{8}$ " ($\frac{1}{2}$ " on order)	Square

LENGTH	WIDTH	THICKNESSES	EDGES
8' 9' 10'	4'	$\frac{3}{8}$ " ($\frac{1}{2}$ " on order)	Square

DESCRIPTION

Bestwall Tru-Grain Gypsum Paneling is regular gypsum wallboard pre-finished with beautiful photographic reproductions of selected wood panels. These reproductions are printed on a special paper and cemented to the face of the gypsum wallboard.

The Bestwall Tru-Grain Line is available in three low-cost woodgrain patterns, Knotty Pine, Honey Aspen and Mellow Mahogany. The random plank design of Tru-Grain gives a handsome true-wood look and makes joints easier to conceal. All are finished with a durable transparent coating.

Bestwall Deluxe Tru-Grain is available in two luxurious woodgrain patterns, Fruitwood and Heritage Cherry in

random plank design. In addition to providing high style beauty, this premium gypsum paneling offers added durability. Deluxe Tru-Grain has a 2 mil clear vinyl covering which gives added resistance to scuffing and insures classic long-lasting beauty.

Bestwall Tru-Grain Gypsum Paneling combines the beauty of wood panels with the cutting and handling ease, the incombustibility and economy of gypsum wallboard. It can be scored with a knife and snapped off to the desired size or can be sawed. Ideal for new construction as well as remodeling, it lends warmth and color to homes, offices, motels, restaurants and other commercial and institutional buildings.

ADVANTAGES

Five Finishes—Five striking true-wood reproductions are available: Knotty Pine, Honey Aspen and Mellow Mahogany in the Tru-Grain Line and Fruitwood and Heritage Cherry in the Deluxe Tru-Grain Line.

Strength—Miles of glass fibers dispersed in the fireproof gypsum core assure added strength and resilience. Deluxe Tru-Grain has a 2 mil clear vinyl covering to provide extra scuff resistance.

Easy to Apply—Large panels go up fast with no heavy handling. Tru-Grain is available in easy-to-apply 4' x 8'

panels. Can be quickly nailed in place with matching color-headed nails.

Low Maintenance—Tru-Grain is easy to clean. Just an occasional wipe with a damp cloth will keep panels fresh and sparkling.

Fire Resistance—The core of Tru-Grain is fireproof gypsum, a mineral that will not burn.

Easy-To-Cut—Bestwall Tru-Grain can be scored with a knife and snapped off to the desired size or can be sawed.

TECHNICAL DATA • GYPSUM WALLBOARD CONSTRUCTION

CONSTRUCTION	THICK- NESS	WEIGHT LB./SQ. FT.	WALL SURFACE	SOUND TRANSMISSION CHARACTERISTICS									
				INDIVIDUAL FREQUENCIES—CPS									
				125	175	250	350	500	700	1000	1400	2000	2500
PARTITIONS: 2" x 4" Wood Studs: 16" O. C. Load bearing except when noted "N".	4 1/4"	5.2	1/2" Bestwall, Both sides	—	—	—	—	—	—	—	—	—	—
	4 1/2"	5.9	1/2" Bestwall, Both sides	22	23	28	32	33	41	44	—	46	—
	4 3/4"	6.0	1/2" Bestwall, Both sides, with Mineral Wool in stud space	—	—	—	—	—	—	—	—	—	—
	4 1/4"	5.2	1/2" Bestwall Firestop, Both sides	—	—	—	—	—	—	—	—	—	—
	4 1/2"	5.9	1/2" Bestwall Firestop, Both sides	—	—	—	—	—	—	—	—	—	—
	4 3/4"	6.0	1/2" Bestwall Firestop, Both sides, with Mineral Wool in stud space	—	—	—	—	—	—	—	—	—	—
	4 1/4"	7.0	1/2" Bestwall Firestop, Both sides	22	16	29	31	33	38	41	41.5	36	—
	5 1/2"	9.5	1/2" Bestwall Firestop, 1 layer one side, 2 layers other side	23.5	19.5	33	34.5	36	40	43	45	40	—
	6 1/4"	12.0	1/2" Bestwall Firestop, 2 layers each side	26.5	22	36	37	42	43.5	48	49.5	45	—
	5 3/4"	8.5	1/2" Bestwall Firestop over 1/2" sound deadening board both sides	25	30	38	43	47	52	57	58	55	—
(N)	—	13.4	1/2" Bestwall Firestop, 2 layers each side staggered studs	41	41	41	43	46	48	49	—	41	—
(N)	5 1/4"	7.1	1/2" Bestwall Firestop, 1 layer nailed one side, 1 layer on resilient furring other side	27.5	26	33	41	43	49	51	51	42	—
	5 3/4"	7.2	1/2" Bestwall Firestop, 1 layer nailed one side, 1 layer on resilient furring other side plus fiber glass insulation in stud space	33.5	35	43	50.5	51	54	55	55	54	—
	6"	9.6	1/2" Bestwall Firestop, 2 layers one side, 1 layer on resilient furring other side	32.5	32	38	44.5	49	52.5	55	56.5	49	—
	5 1/4"	8.2	1/2" Bestwall, 2 layers both sides	27	24	31	35	40	42	46	—	—	—
	5 1/2"	9.9	1/2" Bestwall, 2 layers both sides	—	—	—	—	—	—	—	—	—	—
	5 3/4"	11.0	1/2" Bestwall, 2 layers both sides, staggered studs	42	40	39	40	45	42	45	—	41	—
	4 1/4"	6.5	1/4" Bestwall Firestop, 1 layer each side	—	—	—	—	—	—	—	—	—	—
	6 1/4"	11.5	1/4" Bestwall Firestop, 2 layers each side	—	—	—	—	—	—	—	—	—	—
	2 1/4"	5.7	1/4" Bestwall Firestop, 1 layer each side	25	29	35	35	40	41	44	43	33	—
	4 1/4"	6.0	1/4" Bestwall Firestop, 1 layer each side	20.5	26	31	37	41.5	46	50	50.5	42	—
Screw Type Steel Stud: Non Load Bearing 1 1/2" x 24" O. C. 3 1/4" x 24" O. C. 3 1/2" x 24" O. C. 3 3/4" x 24" O. C.	5 1/2"	8.5	1/4" Bestwall Firestop, 1 layer one side, 2 layers other side	24	25	33	40	46	49	52	51	44	—
	5 3/4"	8.6	1/4" Bestwall Firestop, 1 layer one side, fiber glass insulation in stud space, 2 layers other side	31	37	45	49	52	55	57	55	50	—
	3 1/4"	8.4	1/4" Bestwall Firestop, 1 layer one side, fiber glass insulation in stud space, 1 layer 1/4" Bestwall Firestop over 1" core board other side	30	38	43	49	51	54	55	54	51	—
	6 1/4"	11.0	1/4" Bestwall Firestop, 2 layers each side	28	29	36	44	48	52	55	53	47	—
	6"	8.8	1/4" Bestwall Firestop, 2 layers one side, 1 layer over 1/2" fiber glass board other side	25	33	41	47	52	54	56	55	50	—
	6 1/4"	11.1	1/4" Bestwall Firestop, 2 layers each side, fiber glass insulation in stud space	36	41	49	51	53	55	56	55	50	—
	2 1/4"	7.2	Bestwall Hummer System "B" 1/4" Bestwall Firestop, 1 layer each side 1" x 6" Rib	21	17	27	34	36	40	39	43	36	—
	4 1/4"	10.0	1/4" Bestwall Firestop over 1/2" Sound Deadening Board each side of 2 1/4" x 3" Gypsum Rib	28	36	43	46	50	54	58	59	58	—
	2 1/4"	7.8	Bestwall Hummer System "C" 1/4" Bestwall, 2 layers each side of 1/4" x 6" Rib	23	23	31	36	36	38	39	39	25	—
	2"	8.1	1/2" Bestwall each side, 1" Core Board	—	—	—	—	—	—	—	—	—	—
Solid Gypsum Board	2 1/4"	9.1	1/2" Bestwall Firestop each side, 1" Core Board	—	—	—	—	—	—	—	—	—	—
	4"	13.4	1/4" Bestwall Firestop, 2 layers each side 1" Rib	29.5	31	34.5	37	38	36.5	35	—	42	—
	5"	13.4	1/4" Bestwall Firestop, 2 layers each side 1" Rib	32	34	37.5	39.5	39.5	38	38.5	—	46.5	—
	6"	9.5	1/4" Bestwall over 1/4" Bestwall Firestop, each side 1" ribs	—	—	—	—	—	—	—	—	—	—
	6"	13	1/2" Bestwall over 1" Core Board, each side of 3" air space	31	36	41	47	49	49	49	47	51	—
	6"	17	1/2" Bestwall, 1 layer over 1" Core Board each side 3" air space with 1" Core Board centered in air space	29	34	40	45	47	50	54	55	59	—
	6"	17.2	1/2" Bestwall, 1 layer over 1" Core Board each side of 3" air space with 1" Core Board centered in air space and fiber glass insulation in space on 1 side	36	45	49	53	55	56	56	58	60	—
	6"	17.2	1/2" Bestwall, 1 layer over 1" Core Board each side of 3" air space with 1" Core Board centered in air space and fiber glass insulation in space on 1 side	36	45	49	53	55	56	56	58	60	—
	6"	17.2	1/2" Bestwall, 1 layer over 1" Core Board each side of 3" air space with 1" Core Board centered in air space and fiber glass insulation in space on 1 side	36	45	49	53	55	56	56	58	60	—
	6"	17.2	1/2" Bestwall, 1 layer over 1" Core Board each side of 3" air space with 1" Core Board centered in air space and fiber glass insulation in space on 1 side	36	45	49	53	55	56	56	58	60	—
FLOOR & CEILING: Wood Joists 16" O. C. Finished floor on rough subfloor	Ceiling	—	1/4" Bestwall	—	—	—	—	—	—	—	—	—	—
		11.4	1/2" Bestwall	—	—	—	—	—	—	—	—	—	—
		11.4	1/2" Bestwall Firestop	—	—	—	—	—	—	—	—	—	—
		12.0	1/4" Bestwall Firestop	—	—	—	—	—	—	—	—	—	—
		14.6	2 layers of 1/4" Firestop with resilient furring channel 24" O. C. between layers	—	—	—	—	—	—	—	—	—	—
		11.5	1/2" Bestwall Firestop applied to resilient metal furring 24" O. C.	34	35	37	44	48	45	49	49	51	—
		—	1/4" Bestwall, 2 layers	—	—	—	—	—	—	—	—	—	—
		—	1/2" Bestwall, 2 layers	—	—	—	—	—	—	—	—	—	—
		34.2	1/4" Bestwall Firestop nailed or screwed to metal furring 16" O. C.	—	—	—	—	—	—	—	—	—	—
		34.2	1/4" Bestwall Firestop Backer, nailed or screwed to metal furring 16" O. C.	—	—	—	—	—	—	—	—	—	—
Steel Bar Joists 24" O. C. 2" Concrete Floor on Metal lath centering	Ceiling	34.2	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		33.9	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.1	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
		34.6	1/4" Bestwall Firestop, metal furring 24" O. C.	—	—	—	—	—	—	—	—	—	—
STEEL COLUMN Fire Proofing	—	—	1/2" Bestwall, 2 layers	—	—	—	—	—	—	—	—	—	—
	—	—	1/2" Bestwall, 3 layers	—	—	—	—	—	—	—	—	—	—
	—	—	1/2" Bestwall Firestop, 2 layers	—	—	—	—	—	—	—	—	—	—
	—	—	1/2" Bestwall Firestop, 3 layers	—	—	—	—	—	—	—	—	—	—

1. Fire Hazard Classification—Official Underwriters' Tests.
1/4" and 1/2" Bestwall Firestop, 10-15 (LABELED)
3/4", 1", and 1 1/2" Bestwall, 10-15 (NOT LABELED).

2. This table is a summary only, based on tests sponsored by the Bestwall Gypsum Company, the Gypsum Association and/or others. The fire resistive ratings, weights and sound characteristics are based on assemblies with specific details as covered in official test reports and/or publications of Underwriters' Laboratories, the National Bureau of Standards, Ohio State University, Gerger and

Hamme, Riverbank Laboratories, Ohio Research Corporation and the Bestwall Gypsum Company.

3. Inconsistencies in test results are due to tests over a period of 20 years and some variations in laboratory facilities.

4. The performance of a wall or a floor and ceiling assembly in an actual building is affected by installation details at intersection with columns, floors and ceilings by door and other opening details, by fixtures, plumbing and other items not into the assemblies.

BESTWALL GYPSUM WALLBOARD PRODUCTS**SYSTEMS ENGINEERING**

The Bestwall Gypsum Company has long been a leader in Laminated Gypsum Wallboard Partition Systems. First with proven fire and sound ratings, Bestwall Systems offer the utmost in protection and economy. The laminated construction of these strong, durable systems provides a resistance to nail pops and joint beading that often plague conventional drywall systems.

Bestwall Systems Engineers, specialists in the installation of these drywall systems, are available through Bestwall Gypsum Company Sales Offices to assist with architectural detailing, quantity surveys, and on-the-job construction. They are thoroughly trained to recommend the proper combination of systems to meet the most demanding specifications.

SOUND TRANS. CHAR.			FIRE RESISTANCE		MODEL BUILDING CODE APPROVALS
9 FREQ. AVG.	SPEECH PRIVACY RANGE 6	TEST REF.	RATING 7	TEST REF.	
—	—	—	25 Min.	—	A B C
34	—	BS-234	40 Min.	—	A B C
40	—	—	1 Hr.	—	A B C
—	—	—	30 Min.	—	—
34	—	—	45 Min.	U.L. #1	B C
40	—	—	1 Hr.	—	—
32	38	OR-64-8	1 Hr.	U.L. #5	A B C
35	41	OR-64-11	1 1/2 Hr.	EST.	—
39	46	OR-64-12	2 Hr.	T-194	A B C
45	54	OR-64-67	1 Hr.	T-3006	—
45	—	BS-244	2 Hr.	EST.	—
40	46	OR-64-19	1 Hr.	EST.	—
48	53	OR-64-16	1 Hr.	EST.	—
45	51	OR-64-15	1 1/2 Hr.	EST.	—
38	—	BS-225	1 Hr.	—	A
39	—	BS-235	1 1/2 Hr.	—	A
43	—	—	—	—	—
38	—	—	1 Hr.	U.L. #3	A B C
44	—	—	2 Hr.	U.L. #4	B C
36	—	TL-62-72	1 Hr.	T-2316	—
38	45	OR-63-11	1 Hr.	T-2016	A B C
40	48	OR-64-32	1 1/2 Hr.	EST.	—
47	53	OR-64-51	1 1/2 Hr.	EST.	—
47	53	OR-64-61	1 1/2 Hr.	EST.	—
44	51	OR-64-52	2 Hr.	EST.	—
46	53	OR-64-34	2 Hr.	EST.	—
50	54	OR-64-50	2 Hr.	EST.	—
32	37	BW-8 Fl.	1 Hr.	U.L. 10	A B C
48	56	OR-64-57	1 Hr.	EST.	—
34	37	TL-60-131	1 Hr.	T-1276	A B C
37	—	—	2 Hr.	—	—
36	—	—	2 Hr.	—	—
37	—	TR-57-42	2 Hr.	U.L. #7	A B C
40	—	TR-57-43	3 Hr.	U.L. #5	A B C
—	—	—	1 1/2 Hr.	U.L. #1	—
46	52	OR-64-39	2 Hr.	T-2575	A B C
46	54	OR-64-58	3 Hr.	EST.	—
53	58	OR-64-59	3 Hr.	EST.	—
—	—	—	15 Min.	—	A B C
—	—	—	25 Min.	—	A B C
—	—	—	45 Min.	U.L. #1	C
—	—	—	1 Hr.	U.L. #1	A B C
—	—	—	2 Hr.	U.L. #217	—
44	49	TL-64-155	1 Hr.	U.L. #33	—
—	—	—	30 Min.	—	—
—	—	—	1 Hr.	—	—
—	—	—	1 Hr.	U.L. #2	A B C
—	—	—	1 Hr.	—	A B C
—	—	—	1 1/2 Hr.	U.L. #17	—
—	—	—	1 1/2 Hr.	U.L. #13	—
—	—	—	2 Hr.	U.L. #69	—
—	—	—	1 Hr.	—	—
—	—	—	1 1/2 Hr.	—	—
—	—	—	2 Hr.	U.L. #8	—
—	—	—	3 Hr.	U.L. #18	—

Under Sound Characteristics is Sound Transmission Class.

Average decibel loss in 500-2800 CPS range.

Model Underwriters' Tests have proven joint finishing is not required for the following assemblies of Firestop.

Model Building Code Approvals: A, refers to International Conference of Building Officials; B, refers to Southern Building Code Congress; C, refers to Building Officials Conference of America. Additional Approvals requested.

SYSTEM	FIRE RATINGS	SOUND CONTROL	PAGE
TWO LAYER	1 Hr.	38 Db.	10
STRIP LAMINATION	—	34 Db.	11
2 1/4" SEMI-SOLID	1 Hr.	30 Db.	12
4" SEMI-SOLID	2 Hrs.	37 Db.	13
5" SEMI-SOLID	3 Hrs.	40 Db.	13
SEMI-SOLID GYPSUM			
STUD WALL	1 Hr. Est.	51 Db.	14
2" SOLID	2 Hrs.	36 Db.	15
DOUBLE SOLID	2 Hrs.	47 Db.	16
SOUND DEADENING			
BOARD	1 Hr.	45 Db.	17
METAL STUD FRAMING	1 Hr.	42 Db.	18

BESTWALL

THE FOLLOWING METAL COMPONENTS MANUFACTURERS ARE COOPERATING WITH THE BESTWALL GYPSUM COMPANY'S SYSTEMS ENGINEERING PROGRAM

Curtis Partition Corp. 722 Liberty Ave., North Bergen, N. J.
 Donn Products 700 Bassett Road, Westlake, Ohio
 Henges Company 2814 Locust Street, St. Louis 3, Mo.
 National Rolling Mills P. O. Box 205, Malvern, Penna.
 Neslo Partitions P. O. Box 427, Doylestown, Penna.
 Penn Metal Co. P. O. Box 1468, Parkersburg, W. Va.
 White Partitions Co. 56 Glenwood Ave., Boston 36, Mass.

TWO LAYER Laminated Construction

ONE-HOUR FIRE RATED

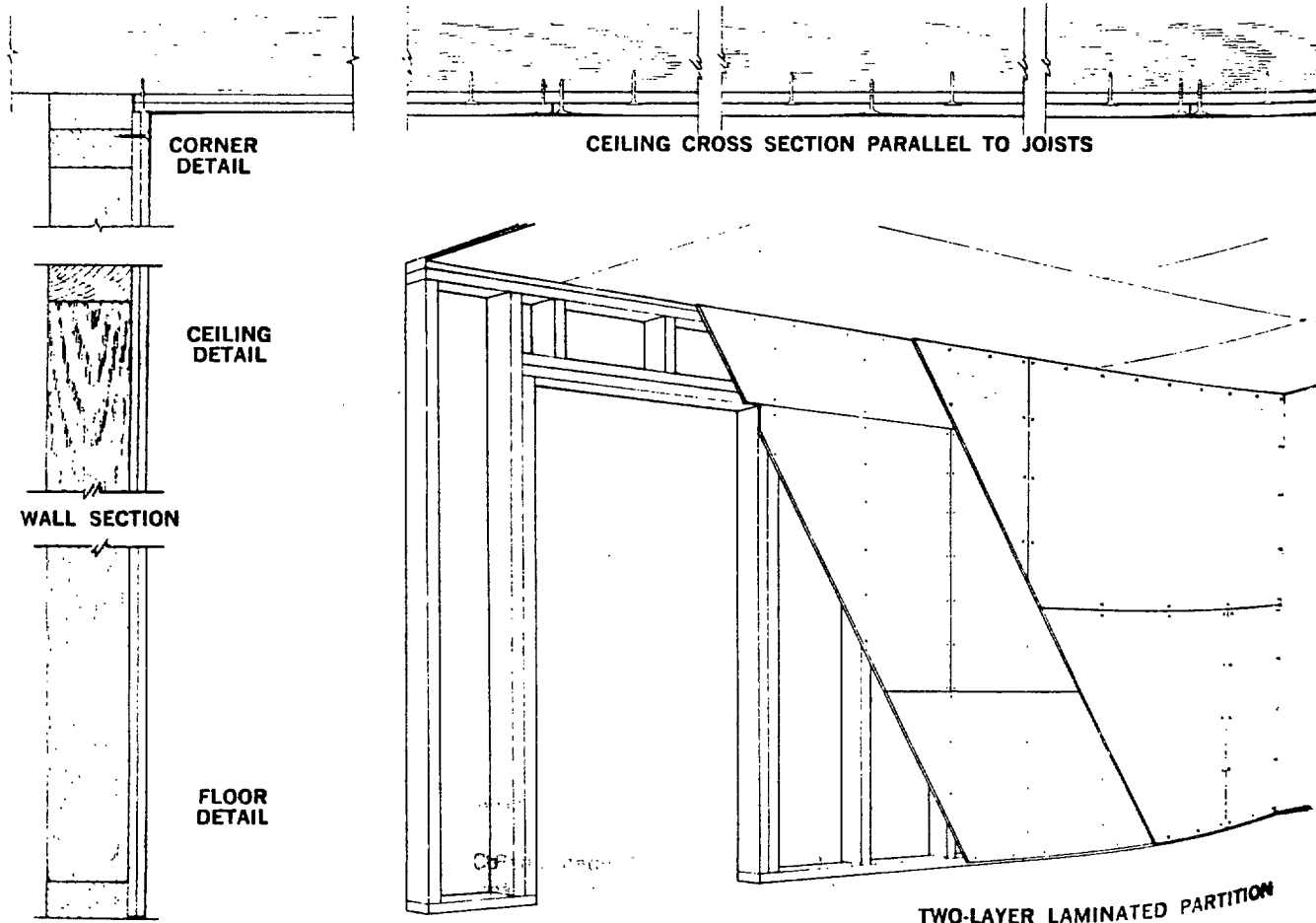
WHAT THE TWO-LAYER LAMINATION SYSTEM PROVIDES:

- **FIRE RESISTANCE**—ONE-HOUR (with two layers $\frac{3}{8}$ " gypsum wallboard).
- **RESISTANCE TO NAIL POPPING**—Freedom from nail popping and joint beading which plague conventional drywall systems.
- **STRENGTH**—Two-layer lamination has greater strength than single layer application.
- **STRAIGHT WALL & CEILING SURFACES**—Lamination creates smooth monolithic walls and ceilings.
- **SOUND TRANSMISSION LOSS**—43 Decibels (Tested before 1957), 38 Decibels (Tested 1958), with two layers $\frac{3}{8}$ " gypsum wallboard.

WHAT THE TWO-LAYER SYSTEM IS!

Lamination is an advanced system of wall and ceiling construction erected by laminating two layers of Bestwall Glass Fiber Reinforced Gypsum Wallboard to conventional framing. The first layer is nailed. The second is applied with adhesive and reduced number of fasteners. It is the basic system for fire-rated, durable walls and ceilings over framing for residential, institutional, commercial, and multi-dwellings work in new construction or remodeling based on the original two-layer application developed by E. B. Hummer in the early 1930's.

Reference: Bestwall Hummer Systems Brochure #BW-62380



STRIP LAMINATION

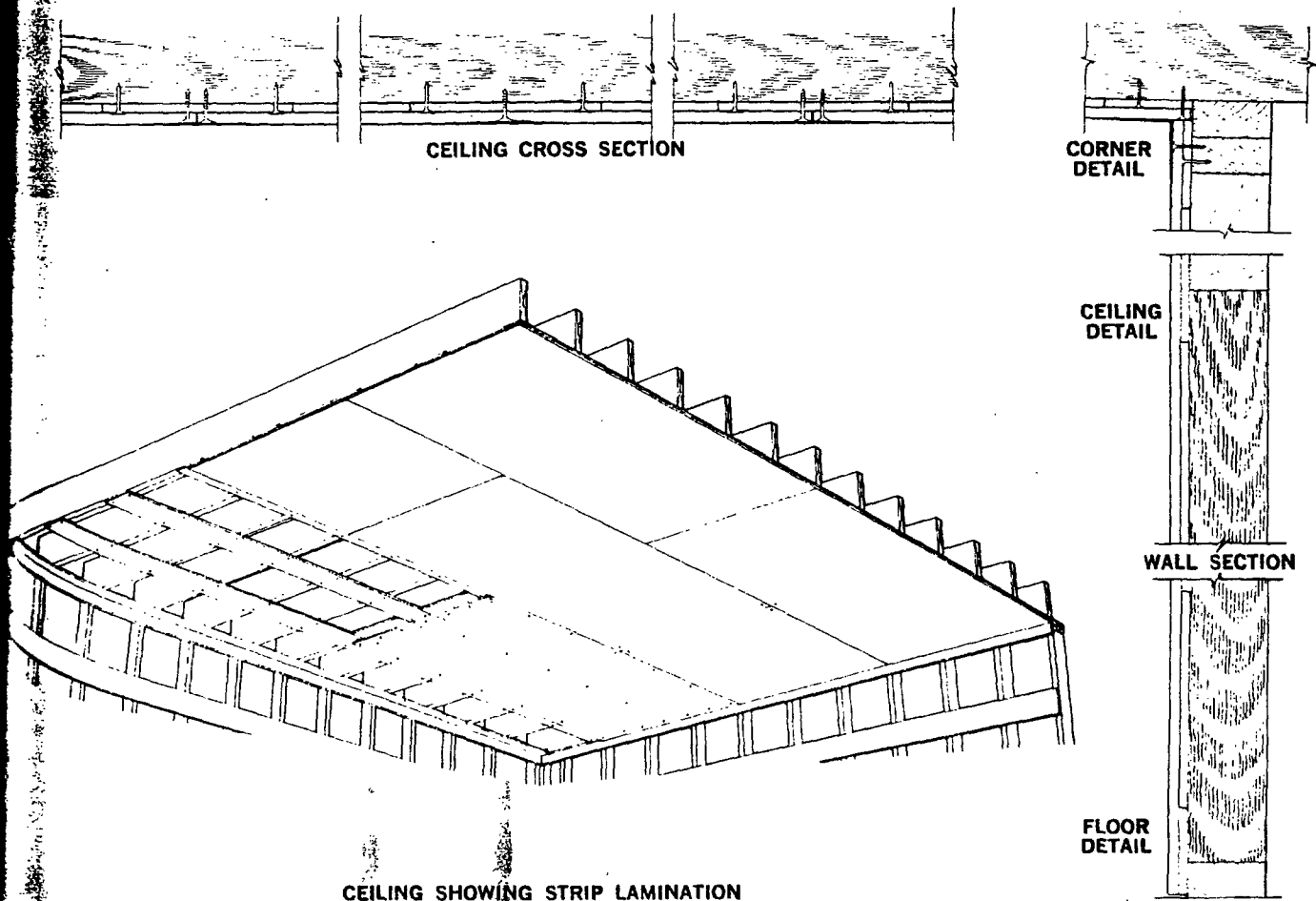
WHAT THE STRIP LAMINATION SYSTEM PROVIDES:

- RESISTANCE TO NAIL POPPING—Same freedom from nail popping and joint beading provided by two layer system.
- STRENGTH—Lamination at board center, edges, and ends greatly strengthens application.
- STRAIGHT WALL AND CEILING SURFACES—Lamination creates smooth monolithic walls.
- SOUND TRANSMISSION LOSS—34 Decibels (Tested before 1957).

WHAT STRIP LAMINATION IS!

This original strip laminated method of applying Bestwall Gypsum Wallboard provides nearly all the advantages of two-layer lamination at lower cost. 8" wide strips of $\frac{3}{8}$ " gypsum wallboard 2' on center (4" wide at ceiling and side wall intersection and at floor) are applied at right angles to framing of walls and ceilings. $\frac{1}{2}$ " Bestwall Gypsum is laminated to these strips. The System is recommended for framed residential and commercial work in new construction or remodeling—wherever straight walls and ceilings of long-lasting strength and smooth surface appearance are desired.

Reference: Bestwall Hummer Systems Brochure #BW-62385



SEMI-SOLID Non-Load Bearing Partitions

ONE-HOUR FIRE RATED

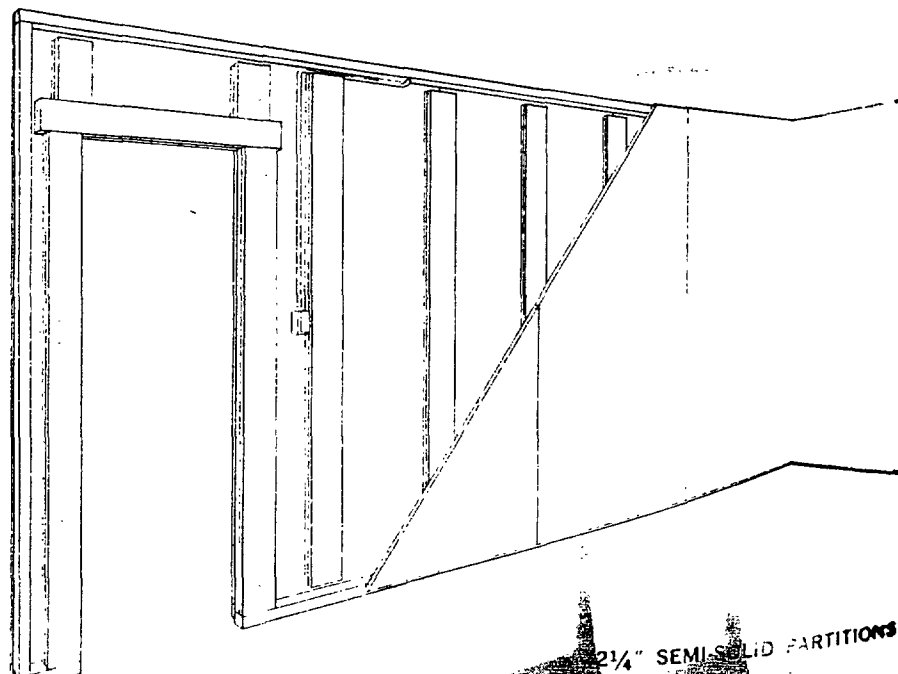
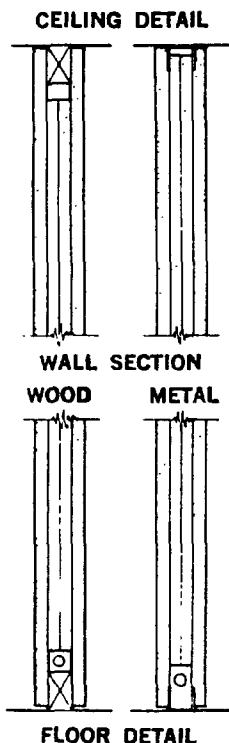
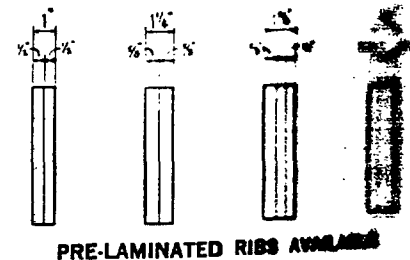
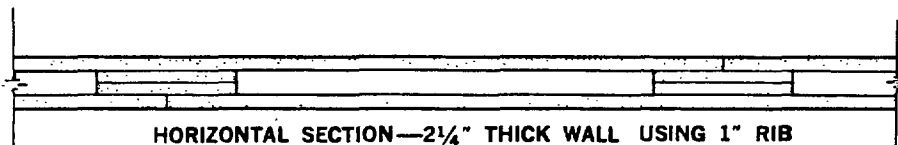
WHAT THE SEMI-SOLID SYSTEM PROVIDES:

- FIRE RESISTANCE—ONE-HOUR with $\frac{5}{8}$ " Bestwall Firestop.
- FREEDOM FROM NAIL POPPING.
- ECONOMICAL—Ease of application and speed of installation can save time and money.
- STRENGTH—More rugged as determined by ASTM E 72-55 Impact Test than wall with 2" x 4" studs, 16" o.c., faced with $\frac{1}{2}$ " gypsum wallboard.
- STRAIGHT WALL SURFACES—Lamination creates smooth monolithic walls and reduces joint beading.
- EXTRA USABLE FLOOR SPACE—With $2\frac{1}{4}$ " thick partitions, 20 sq. ft. additional floor space when compared with 2" x 4" stud wall construction for every 100 lin. ft. of wall.
- SOUND TRANSMISSION LOSS—35 Decibels (Tested before 1957), 30 Decibels (Tested 1958). ($2\frac{1}{4}$ " partition.)

WHAT THE SEMI-SOLID LAMINATED SYSTEM IS!

The Bestwall Hummer Semi-Solid Gypsum Partition System is the original non-load bearing construction erected by laminating $\frac{5}{8}$ " Bestwall Firestop Gypsum Wallboard to 1" x 6" gypsum ribs spaced 24" on center. Other board facings may be used. 6" wide ribs of $1\frac{1}{4}$ ", $1\frac{5}{8}$ ", and $1\frac{3}{4}$ " thickness are also available for wider air space. The Semi-Solid Partition is recommended for institutional, commercial, and residential work in both new construction and remodeling where the best in fire-rated, non-load bearing thin partitions is required.

Reference: Bestwall Hummer Systems Brochure #BW-62390



4" and 5" SEMI-SOLID Non-Load Bearing Partitions

TWO-HOUR and THREE-HOUR FIRE RATED

WHAT THE 4" SEMI-SOLID NON-LOAD BEARING SYSTEM PROVIDES:

- FIRE RESISTANCE—TWO-HOURS with two layers of $\frac{5}{8}$ " Bestwall Firestop.
- SOUND TRANSMISSION LOSS—42 Decibels (Tested before 1957), 37 Decibels (Tested 1958).

WHAT THE 5" SEMI-SOLID NON-LOAD BEARING SYSTEM PROVIDES:

- FIRE RESISTANCE—THREE-HOURS with two layers of $\frac{5}{8}$ " Bestwall Firestop.
- SOUND TRANSMISSION LOSS—47 Decibels (Tested before 1957), 40 Decibels (Tested 1958) with 1" low density fiber board in air space.

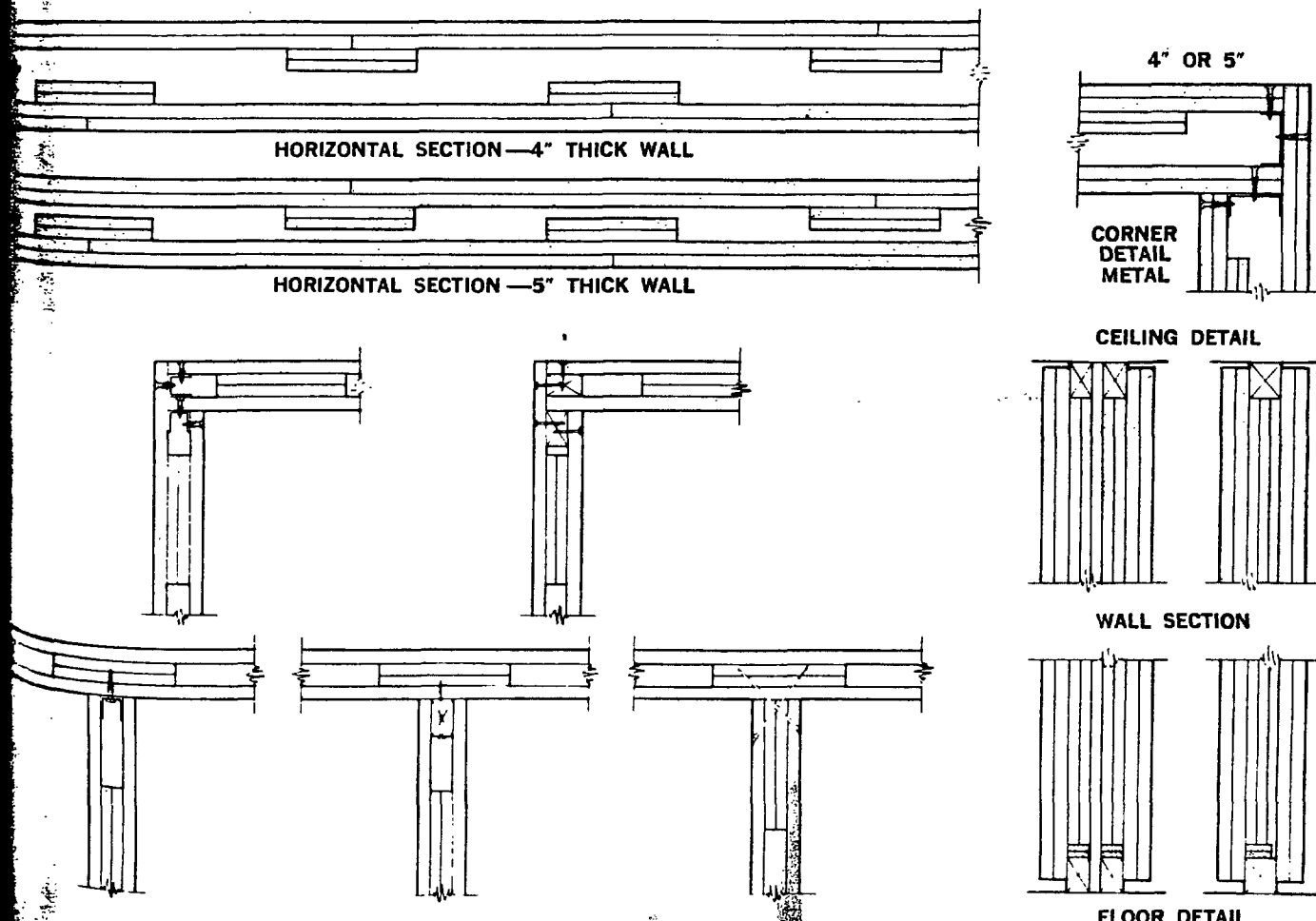
Both Systems Provide:

- STRENGTH—Will withstand abuse as determined by ASTM E-72-55 Impact Test.
- STRAIGHT WALL SURFACES—Lamination creates smooth monolithic walls.

WHAT THE 4" AND 5" SEMI-SOLID NON-LOAD BEARING SYSTEMS ARE!

These Semi-Solid Gypsum Partition Systems are non-load bearing constructions erected by laminating two layers of $\frac{5}{8}$ " Bestwall Firestop Gypsum Wallboard to 1" x 6" gypsum ribs. Recommended for commercial and multi-story dwelling work in both new construction and remodeling—wherever the best in fire-rated, non-load bearing partitions is required.

Reference: Bestwall Hummer Systems Brochure #BW-62390



2 1/4" PARTITIONS—CORNER AND JUNCTURE DETAILS

Semi-Solid GYPSUM STUD Partition

ONE- and TWO-HOUR FIRE RATED

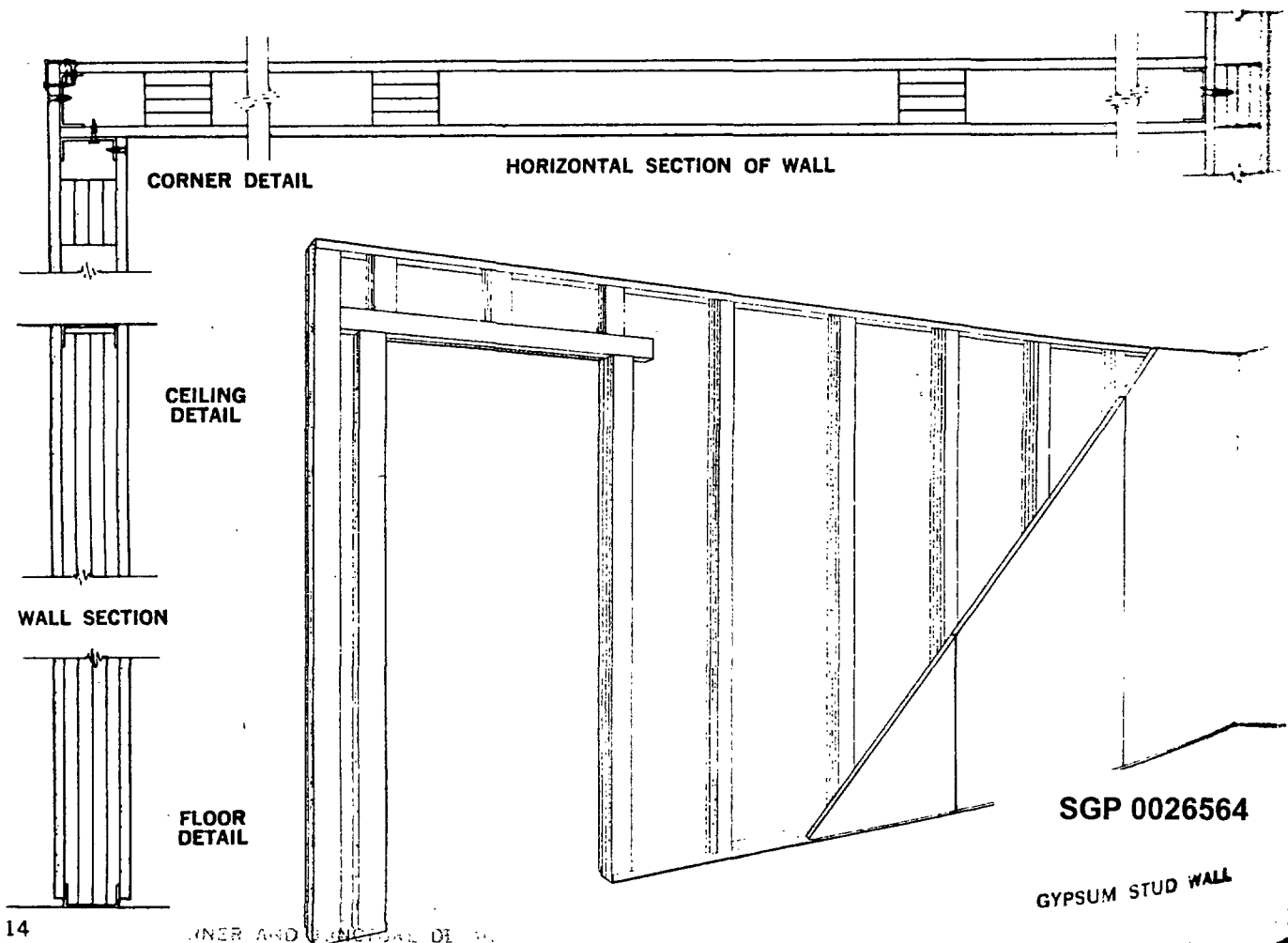
WHAT THE GYPSUM STUD PARTITION SYSTEM PROVIDES:

- FIRE RESISTANCE—Estimated ONE-HOUR with $\frac{5}{8}$ " Bestwall Firestop each side. Estimated TWO-HOUR rating with 2 layers of $\frac{5}{8}$ " Bestwall Firestop each side.
- SOUND TRANSMISSION LOSS— $\frac{5}{8}$ " gypsum wallboard applied over $\frac{1}{2}$ " Bestwall Sound Deadening Board each side of gypsum studs carries an STC of 51.
- STRENGTH—Proven in ASTM E-72-55 Impact Test to be the most rigid of many gypsum non-load bearing partition systems.
- ECONOMICAL—Needs fewer screws than other partition systems. Requires no expensive lumber or metal, goes up fast.
- ADAPTABILITY—Conducive to installation of electrical facilities.
- EASY THREE-STEP ERECTION—(1) Place metal runners top and bottom. (2) Place gypsum studs 24" o.c. (3) Apply wallboard faces on each side.

WHAT THE GYPSUM STUD SYSTEM IS!

The Bestwall Hummer Gypsum Stud Partition System is the most advanced gypsum drywall partition system. It consists of 2½" thick by 3" wide solid gypsum studs, ½" or ⅝" gypsum face boards, and metal or wood floor and ceiling runners.

The gypsum stud is a four-layer laminate of 3" wide strips of ⅝" gypsum board. The face panels are Bestwall Regular or Fire-Rated Gypsum Wallboard. This Gypsum Stud Partition is an incombustible, non-load bearing partition system recommended especially for residential, multi-story dwelling, and commercial construction. It goes up like a metal stud partition.



2" SOLID LAMINATED Partitions

TWO-HOUR FIRE RATED

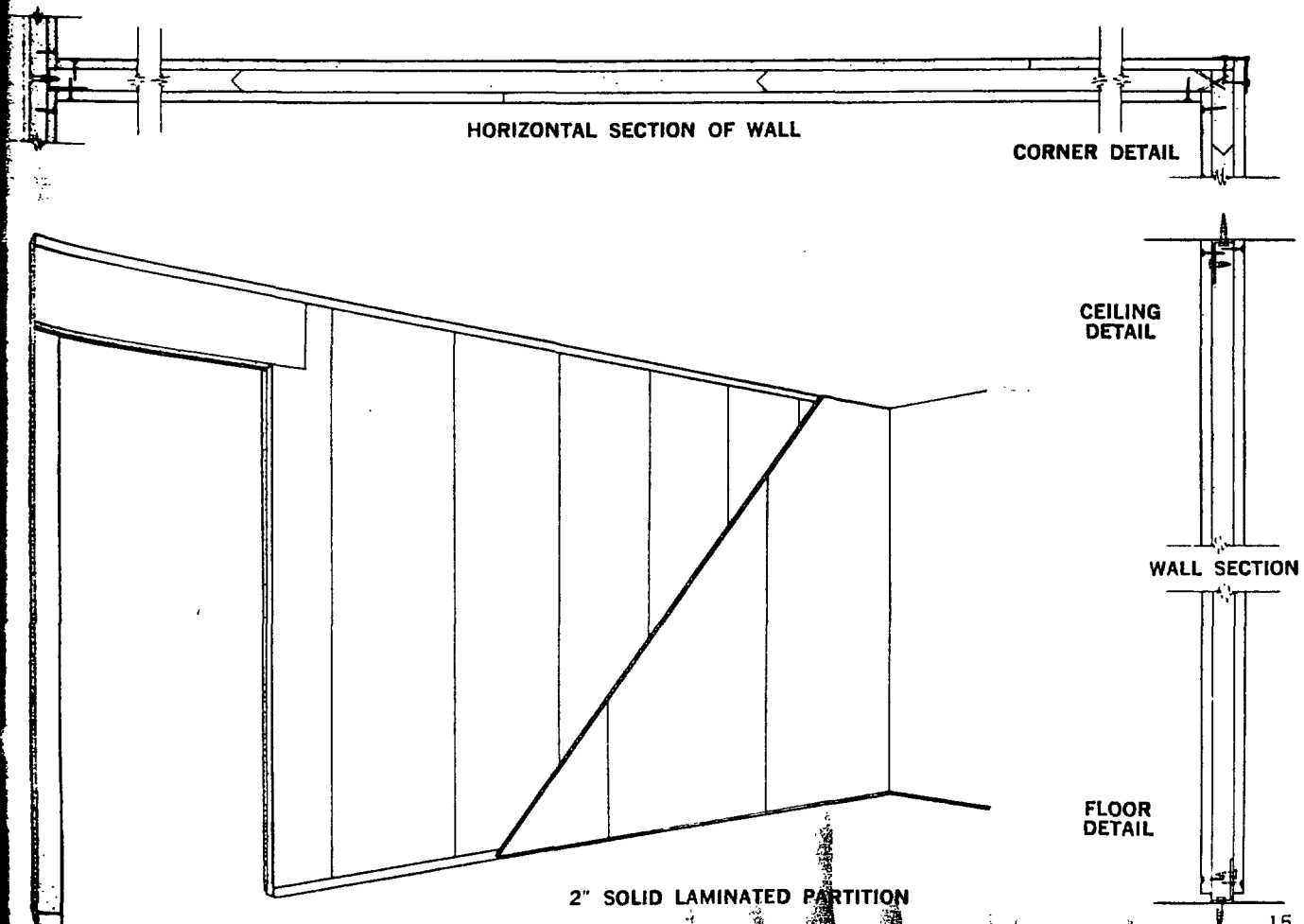
WHAT THE 2" SOLID SYSTEM PROVIDES:

- FIRE RESISTANCE —TWO-HOUR with Bestwall Gypsum Wallboard.
- STRENGTH —Will withstand abuse as determined by ASTM E-72-55 Impact Test.
- STRAIGHT WALL SURFACES —Lamination creates smooth monolithic walls.
- EXTRA USABLE FLOOR SPACE —20 sq. ft more floor space compared with 2" x 4" stud wall construction for every 100 lin. feet of partition.
- ECONOMICAL —Low material and construction costs.
- SOUND TRANSMISSION LOSS —36 Decibels (Tested 1958).

WHAT THE 2" SOLID SYSTEM IS!

This laminated non-load bearing Solid Gypsum Partition System consists of 1" homogeneous core board with face layers of $\frac{1}{2}$ " Bestwall Gypsum Wallboard.

Reference: Bestwall Hummer Systems Brochure #BW-62395



DOUBLE SOLID Laminated Partitions

TWO-HOUR FIRE RATED

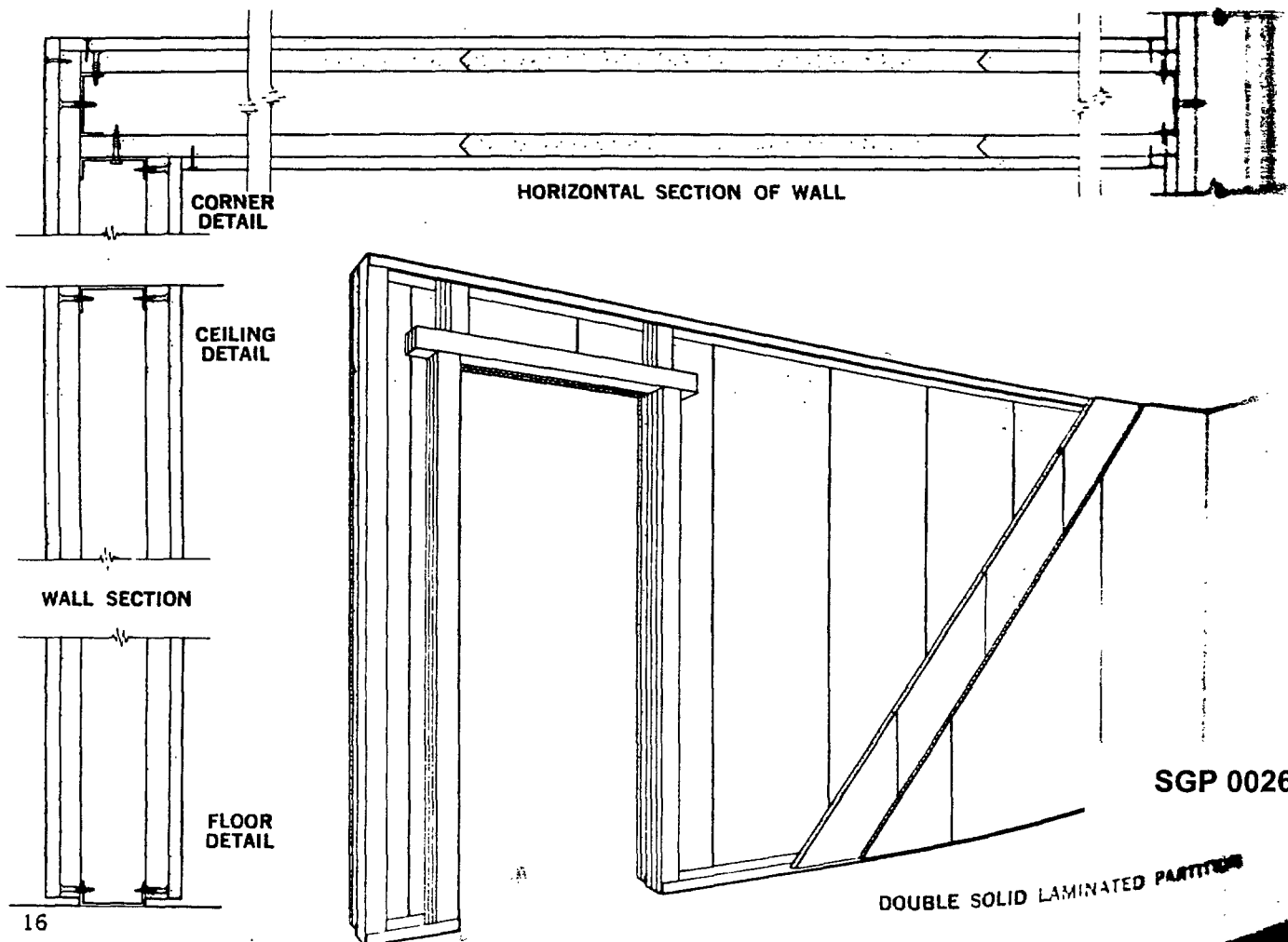
WHAT THE DOUBLE SOLID SYSTEM PROVIDES:

- FIRE RESISTANCE—TWO-HOUR (1½" gypsum each side of 3" air space).
- STRENGTH—Proven in ASTM E-72-55 impact test to have greater resistance to abuse than a standard frame or thin solid wall.
- STRAIGHT WALL SURFACES—Creates smooth monolithic walls.
- 3" CENTER AIR SPACE—Space for piping—conduit—fixture framing—for additional sound transmission loss.
- SOUND TRANSMISSION LOSS—47 Decibels (Tested 1961).

WHAT THE DOUBLE SOLID SYSTEM IS!

This non-load bearing Double Solid Gypsum Partition System is erected by laminating ½" Bestwall Wallboard to 1" tongue and groove core board each side of an air space. It is recommended for corridor and party walls in high rise construction where good sound transmission resistance and fire resistance are needed.

Reference: Bestwall Hummer Systems Brochure #BW-62400



SOUND DEADENING SYSTEM

ONE-HOUR FIRE RATED

WHAT THE SOUND DEADENING SYSTEM PROVIDES:

- **SOUND TRANSMISSION LOSS**—Excellent sound isolation properties, up to 50 STC in various assemblies.
- **FIRE RESISTANCE**—ONE HOUR fire rating with 1 layer of $\frac{5}{8}$ " Firestop.
- **LAMINATED CONSTRUCTION**—Fewer nails and laminated construction practically eliminates nail popping and joint beads.
- **ECONOMICAL**—Easy to install, fast erection.

WHAT THE SOUND DEADENING SYSTEM IS!

The Bestwall Sound Deadening System is a low cost system designed for use in wall and floor and ceiling systems where a reduction in the passage of sound from room to room is desired. Specially manufactured, Bestwall Sound Deadening Board is ideal for residential or apartment type construction.

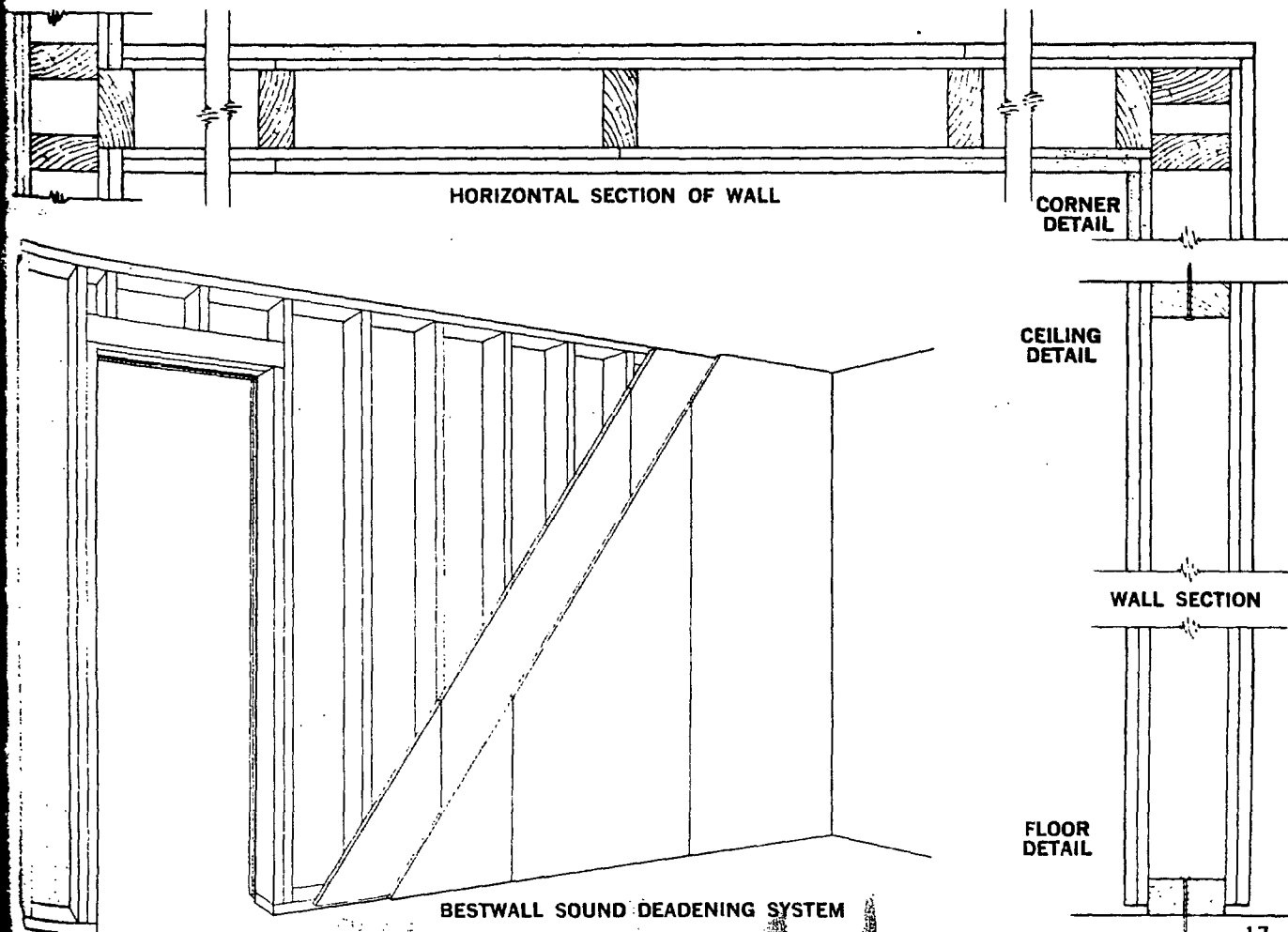
In addition to this system's excellent sound control properties, it can be used in combination with $\frac{5}{8}$ " Firestop to provide an exclusive One-Hour Fire Rating as proven by the Ohio State Testing Laboratory in Test Number T-3006.

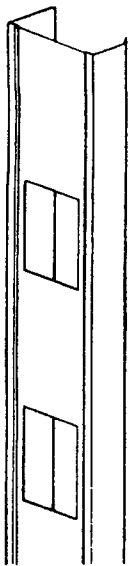
In this test, $\frac{1}{2}$ " x 4' x 8' Bestwall Sound Deadening Board was applied vertically to each side of 2" x 4" wood studs spaced 16" o.c. top and bottom with joints staggered on

opposite sides by nailing with 5d coated nails spaced 24" o.c. at joints, edges and intermediate framing.

$\frac{5}{8}$ " Bestwall Firestop was then applied vertically over the Sound Deadening Board with joints staggered on opposite sides and was nailed 12" o.c. around the perimeter with one nail per stud in the field of the board.

Bestwall Firestop was laminated to the Sound Deadening Board, using Bestwall Laminating Compound applied in 6" wide strips around the perimeter and vertical centerline of each full Bestwall Firestop sheet and the wallboard joints were taped and finished. This assembly developed an STC of 46, as well as resulting in the exclusive One-Hour Fire Rating.





METAL STUD PARTITIONS

What Metal Stud Framing Provides:

- Simple and fast erection
- Variety of sound and fire ratings available
 - 1 Hour Fire Rating with $\frac{5}{8}$ " Firestop on each side of $1\frac{1}{2}$ ", $2\frac{1}{2}$ ", or $3\frac{5}{8}$ " metal stud—STC of 42 ($3\frac{5}{8}$ " stud)
 - $1\frac{1}{2}$ Hour estimated fire rating with $\frac{5}{8}$ " Bestwall Firestop two layers one side, one layer other side—STC of 43 ($3\frac{5}{8}$ " stud)
 - 2 Hour Fire Rating with two layers of $\frac{5}{8}$ " Bestwall Firestop each side—STC of 47 ($3\frac{5}{8}$ " stud)
 - 2 Hour Fire Rating with same as above with $1\frac{1}{2}$ " blanket in cavity—STC of 52 ($3\frac{5}{8}$ " stud)
- All incombustible components

What Metal Stud Framing Is!

Metal Stud framed partitions are non-load bearing constructions consisting of metal studs inserted into floor and ceiling tracks with Bestwall Gypsum Wallboard (or Firestop) attached to studs with drywall screws. These partitions are recommended for institutional, commercial and multi-story dwellings work in new and remodeled construction when low cost incombustible partitions with good fire and sound ratings are required.

Reference: Bestwall Metal Stud Partitions #BW-62120

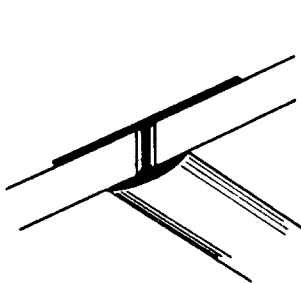
CEILING SYSTEMS

See Bestwall Gypsum Sweet's catalog Number $\frac{11a}{Be}$ for:

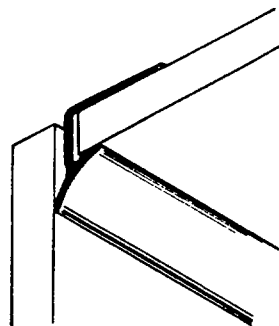
- a—Bestwall Gypsum Incombustible Acoustical Tile
- b—Bestwall Gypsum Incombustible Ceiling Tile
- c—Bestwall Gypsum Incombustible "Firestop-120" Ceiling Tile (Two-hour rated ceiling assembly)

METAL ACCESSORIES

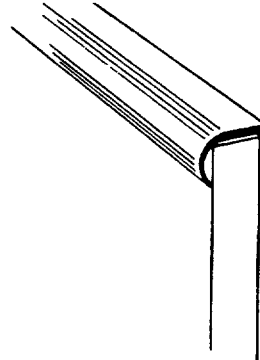
Pre-Decorated (Aluminum sections in matching finish for Eternawall available for $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " thick wallboard).



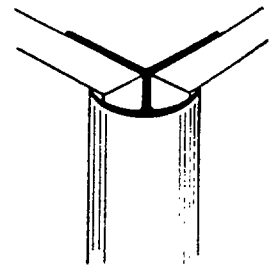
DIVIDER



INSIDE CORNER

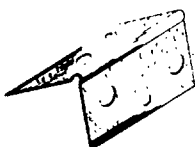


END CAP



OUTSIDE CORNER

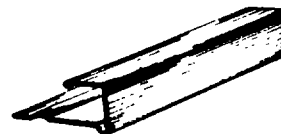
METAL TRIM



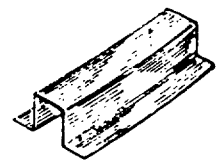
METAL CORNER



ANGLE EDGE
METAL CASING



SQUARE NOSE
METAL CASING



HAT SECTION

BESTWALL GYPSUM WALLBOARD PRODUCTS**SYSTEMS ENGINEERING****JOINT SYSTEM PRODUCTS**

Bestwall Joint System Products are designed to conceal joints and nail heads. All have easy working characteristics and very low shrinkage. Used in recommended joint treatments, they literally surface weld Bestwall Gypsum Wallboard panels together, providing smooth, uninterrupted walls with joints as strong as wallboard itself. Instructions are included on each container.

Bestwall Joint System Compound—A plasticized compound used for both bedding and topping Bestwall Tape and for spotting nail heads. Sanding may be eliminated by careful application.

Ready Mix Joint Compound—A prepared wet mix product which is used for taping and finishing joints, cornerbead, and nailheads.

1-Day Wallboard Joint Compound—A setting type material that is formulated to harden in 2½ to 3 hours. It is designed for taping and all coats preceding the final coat on joints, cornerbead, and nailheads.

Bestwall Bedding Compound—Designed to provide maximum adhesion of tape to the joints. It spreads smoothly.

Bestwall Topping Compound—Used for finishing taped joints and spotting nail heads. Sanding is unnecessary. Long working and low shrinkage.

Bestwall Tape—Includes skived edges and center crease, this tape is roughened for excellent bonding qualities. It achieves good porosity and rapid drying of joint adhesive. Stabilized against varying humidity conditions, it reduces uneven expansion and edge wrinkling.

JOINT TREATMENT SPECIFICATIONS

Scope—All walls and ceiling surfaces are included. Furnish all labor and material necessary to reinforce and conceal joints between gypsum wallboards and cover nail heads in a first-class workmanship manner.

- Materials**—1. One-Material Treatment—Bestwall Joint System Compound or Bestwall Ready Mix Joint Compound. Both used for bedding and for spotting nail heads.
2. Two-Material Treatment—Bestwall Bedding Compound or Bestwall 1-Day Wallboard Joint Compound and Bestwall Topping Compound. Specially designed for use on large projects.

Reinforcing Tape—Bestwall Tape.

Joint Work—Apply Bestwall Joint System Compound, Ready Mix Joint Compound or Bestwall Bedding Compound to taper edge joints, end joints and nail heads.

Shear off surplus leaving no material on high edges. Allow 12 hours drying before taping, leaving uniform depth of taper for uniform shrinkage of joint finishes over and under tapes.

Apply Joint System Compound, Ready Mix Joint Compound, 1-Day Wallboard Joint Compound or Bedding Compound, and embed tape leaving uniform thickness of material under tape. If Bestwall center taper Gypsum Wallboard is used on ceilings embed tape in center taper.

When Joint System Compound, Bedding Compound or Ready Mix Joint Compound has dried completely, cover taped joint with Joint System Compound, Ready Mix or Topping Compound. (When 1-Day Wallboard Joint Compound is used, the taped joint can be covered as soon as initial coat is set and before it is dry.) Shear off surplus leaving uniform coverage over tape with edges well feathered.

When preceding coats are completely dry (where 1-Day is used it is only necessary for it to be hardened, not completely dry) cover joints second time with Joint System Compound, Ready Mix Joint Compound, or Topping Compound. Shear off surplus leaving smooth, well feathered joint.

For best results and more uniform suction, apply skim coat of Joint System Compound, Ready Mix Joint Compound or Topping Compound over entire surface shearing off excess material tightly. (See Joint Treatment Product Sheet BW-62360.)

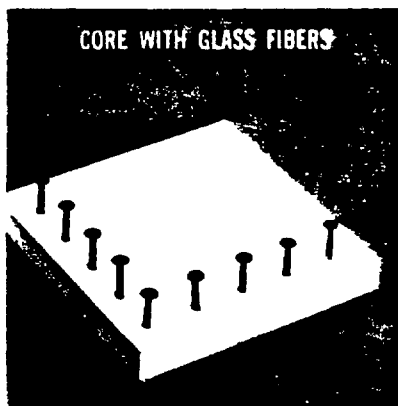
Decorating—Gypsum Wallboard properly prepared can be decorated with any treatment ordinarily used for walls or ceilings. Surface shall be sealed with vinyl or pigmented varnish primer before decoration, including texture. Where skim coat has been used, a one coat paint application may be satisfactory.

Laminating Compound—Bestwall Laminating Compound is a casein base dry powder product requiring addition of water only. Add 25 lbs. of Laminating Compound to 4½ to 5 gal. of water. Consistency of the mixed materials should be such that when spread over gypsum board with a 12" serrated sheet metal blade having notches ¼" wide, ⅛" high, ¾" o.c., it will not self-level. Ribbons of glue may be applied with serrated knife or mechanical glue spreader. Coverage is approximately 30 lbs. per one thousand sq. ft. glue line. (See Laminating Compound Product Sheet BW-62355.)

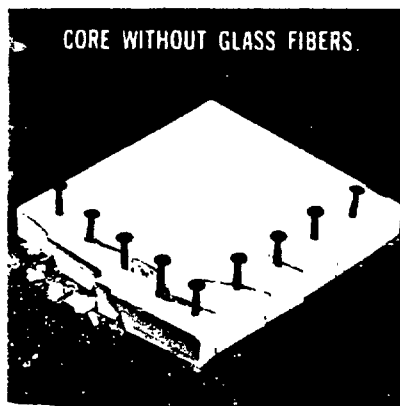
Bestwall Grabit—Grabit is an adhesive developed by Bestwall, which permits direct attachment of Gypsum Wallboard to interior masonry walls. It may be used on poured concrete, or block walls which are reasonably straight and true and are free from surface decoration or protrusions. The adhesive fills in all normal irregularities in the masonry. In 3 to 4 hours Grabit sets hard, and joint taping and finish operations may then be started.

BESTWALL GYPSUM WALLBOARD

NOW WITH GREATER GLASS FIBER REINFORCEMENT THAN EVER BEFORE

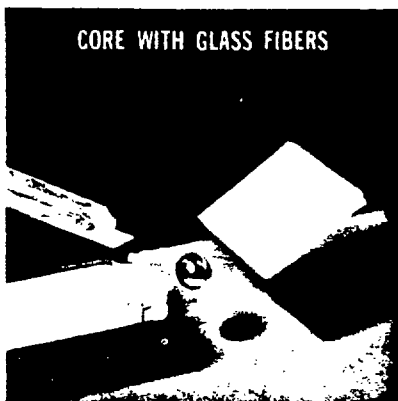


CORE WITH GLASS FIBERS

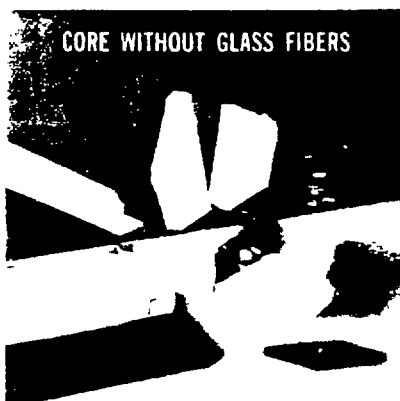


CORE WITHOUT GLASS FIBERS

GLASS FIBERS PROVIDE STRONGER CORES

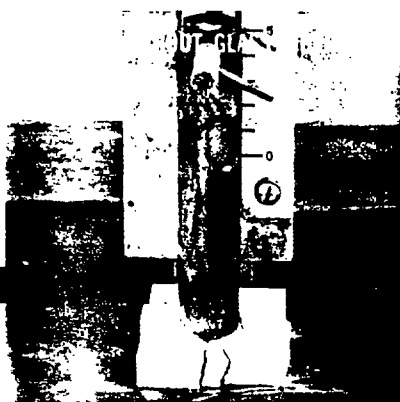
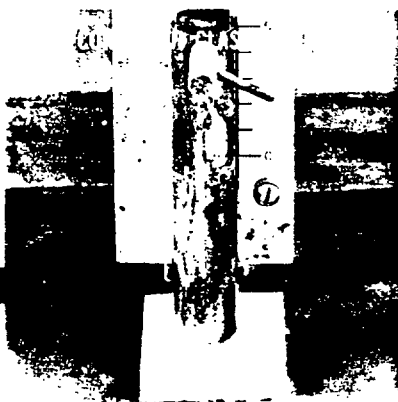


CORE WITH GLASS FIBERS



CORE WITHOUT GLASS FIBERS

GLASS FIBERS PROVIDE GREATER RESISTANCE TO SHOCK



GLASS FIBERS PROVIDE GREATER IMPACT RESISTANCE

BESTWALL GYPSUM WALLBOARD

THE ORIGINAL WALLBOARD WITH GLASS FIBER REINFORCEMENT

FIREPROOF GYPSUM
BESTWALL[®]
BUILDING PRODUCTS

BESTWALL GYPSUM COMPANY
PAOLI, PENNSYLVANIA

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1720 Peachtree Street, N.
Atlanta, Georgia 30309

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Brunswick, G. 31527

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5544 W. St. Charles Road
P. O. Box 607
Berkeley, Illinois 60162

CLEVELAND

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Cleveland, Ohio 44122

DALLAS

600 Exchange Bldg.
Dallas 35, Tex.

DETROIT

15800 W. McNichols Road
Suite 227, Offcenter Bldg.
Detroit 35, Michigan

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Bayou Bldg., Allen Parkway
Houston, Texas 77019

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4233 Blue Ridge Boulevard
Kansas City, Missouri 64111

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Chef Menteur Station
7800 Alamonaster Drive
New Orleans, Louisiana 70111

SAN FRANCISCO

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El Cerrito, Cal. 94530

WESTERN

119 W. 2nd South
Salt Lake City, Utah 84101

WILMINGTON

Wilmington Marine Terminal
P. O. Box 310
Wilmington, Delaware 19801

SGP 0026570

ASBESTOS:

PRODUCT BROCHURES
1965

SGP 0026549

1-Day Wallboard Joint Compound
Ready Mix Joint Compound
Bestwall Reinforced with Glass Fibers 65'
Triple Duty Wallboard Joint Compound
Joint System Products
Bestex A, B, and C

SGP 0026550