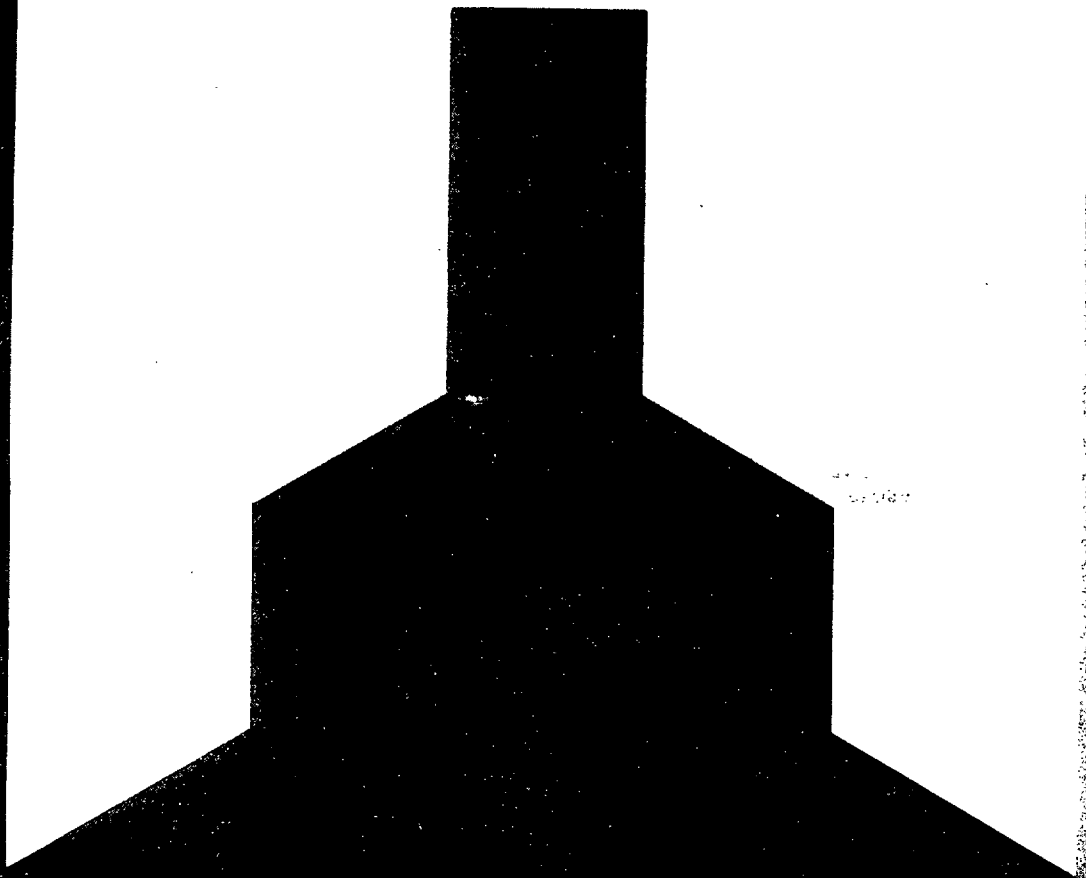
PLAINTIFF'S EXHIBIT
GP-2234

1963



BESTWALL

SGP 0026470

GYPSUM WALLBOARD PRODUCTS

MP-FILE NO. 231

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
1/2" Firestop	5.1
5/8" Firestop	6.3

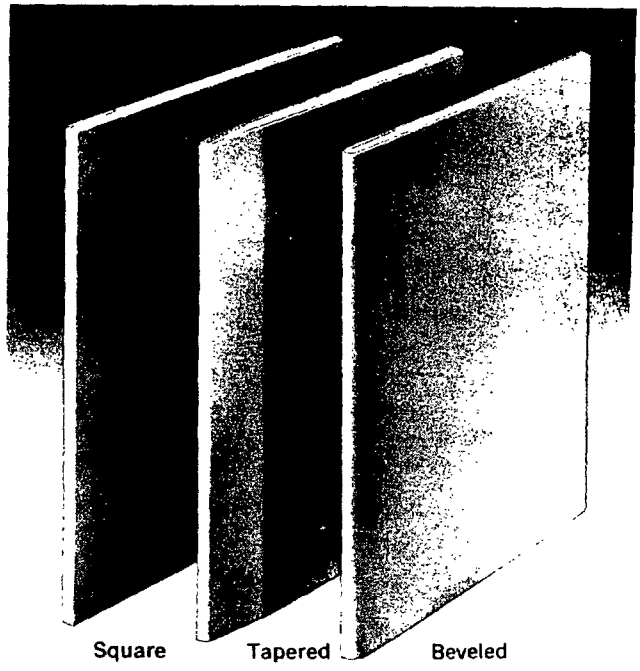
ADVANTAGES

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:

1. Gypsum Wallboard shall not be used where it will be exposed to water or excessive moisture.
2. 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.
3. 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



SGP 0026471

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.

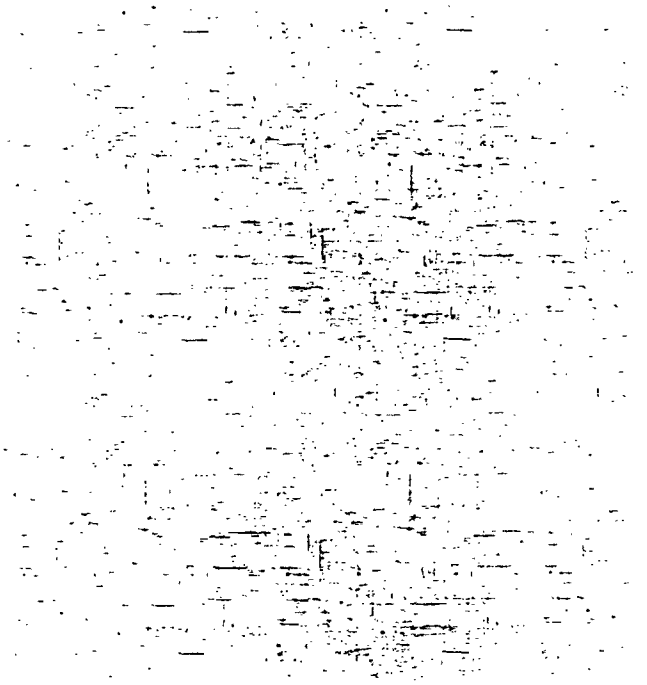
Square Edges are recommended for use where exposed joints are acceptable. Increased resistance to fire exposure and sound transmission depend upon greater board thickness used (see Technical Data Chart, p. 6).

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.

BESTWALL GYPSUM WALLBOARD PRODUCTS

PRE-DECORATED GYPSUM WALLBOARD





WOOD GRAINED

SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8′ 9′ 10′	4′	3/8″ (1/4″ on order)	Beveled (Figured Aspen, Driftwood, Autumn Mahogany, and Fawn Mahogany) Square (Knotty Pine)

DESCRIPTION

Bestwall Wood Grained Gypsum Wallboard is regular gypsum wallboard prefinished with reproductions of true-wood patterns. These photographic reproductions are printed on special paper, finished with a durable transparent coating and are cemented to the face of regular gypsum wallboard. The board handles as easily as regular gypsum wallboard and can be scored 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 true wood grain reproductions are available: Driftwood Mahogany, Knotty Pine, Autumn Mahogany, Figured Aspen and Fawn Mahogany.

Low Maintenance—Although factory finished, the surface may be covered with a coat of clear shellac or varnish, then waxed for added beauty and protection. An occasional wipe with a damp cloth is all that is necessary to keep walls fresh and clean.

Easy to Install—Matching color headed nails are recommended. Joints [illegible] panelled effect when left

ETERNAWALL

SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8′ (other lengths on order)	4′	3/8″ (1/2″ 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 board is reinforced with glass fibers for extra strength. The deep linen textured vinyl surface provides permanent scuff, crack and chip-resistance. Ready for use without painting or further treatment, Eternawall provides bright, attractive interiors or accent walls in homes as well as commercial and institutional structures . . . wherever beautiful, easy-to-clean walls are desired.

ADVANTAGES

Fade-Resistant Colors—Eternawall is available in [illegible] decorator colors: Seafoam Blue, Shadow Gray, Spring Green, Sunset Pink, Sand and Snowdrift. The Decorator Eternawall is available in over 200 variations

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

Easy to Install—Large panels handle with [illegible] use of regular gypsum wallboard. Vinyl surface [illegible]

SGP 0026472

GYPSUM SHEATHING



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
8'	2'	½"	V edge Tongue-and-Groove
8', 9'	4'	½"	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-cut 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—Officially rated for one full hour fire-resistance from both sides in combination with gypsum wallboard applied as specified over wood studs and any exterior finish (wood siding, stucco, brick veneer, etc.).

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

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

Economical—Large panels cover large areas quickly. 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.

INSULATING GYPSUM WALLBOARD (FOIL BACKED)



SIZES

LENGTH	WIDTH	THICKNESSES	EDGES
6' to 16' (in even feet)	4'	⅜" ½" ⅝"	Tapered, Square

DESCRIPTION

Bestwall Insulating Gypsum Wallboard is regular gypsum wallboard with bright aluminum foil laminated to the back surface. In a single application it provides the advantages of regular gypsum wallboard, 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 a minimum air space of ¾". The aluminum foil, according to U. S. Bureau of Standards Tests, reflects 90% of radiant heat. It provides insulation approximately equal to ½" 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.

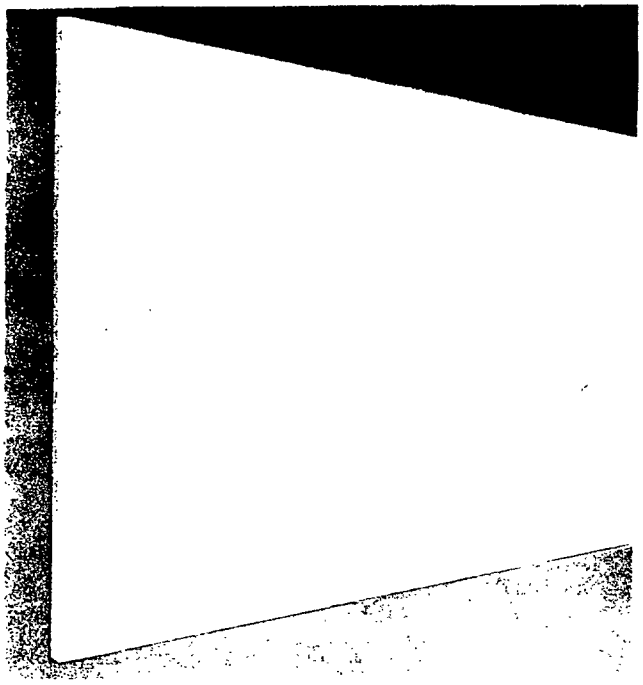
Economical—Large, lightweight panels handle easily and can be scored and snapped to desired size.

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

SGP 0026473

BESTWALL GYPSUM WALLBOARD PRODUCTS

BESTWALL FIRESTOP



SIZES

LENGTH	WIDTH	THICKNESS	EDGES
6' to 16' (in even feet)	4'	½" 5/8"	Tapered, Square or Tongue-and-Groove

DESCRIPTION

Bestwall Firestop is the original drywall material to provide up to one hour fire resistant load bearing walls and ceilings with one layer application over both combustible and incombustible framing. It was also first to provide two-hour fire resistant load bearing walls in two layer application. It combines all the advantages of regular gypsum wallboard with increased fire protection—the result of an exclusive Bestwall manufacturing process.

Incombustible glass fibers and unexpanded vermiculite are added to the gypsum core. The glass fibers remain strong under extreme heat and help keep the gypsum core intact, even after the chemically combined water has been released. The unexpanded vermiculite expands under heat, thereby balancing the shrinkage of the core after the loss of water. The thermo-stabilized gypsum core, having increased insulation value at extreme high temperatures, provides up to three times greater fire resistance than conventional gypsum wallboard.

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.

ADVANTAGES

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 225 to 275 lbs. as compared to ASTM minimum requirement of 145 lbs. for 5/8" regular gypsum wallboard and a Federal Specifications minimum requirement of 105 lbs. for ½" regular gypsum wallboard.

MEETS BUILDING CODE REQUIREMENTS

Building Code requirements may be met with Bestwall Firestop for 45 minute to 3 hour fire-resistant 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

Results of sound transmission test by Riverbank Laboratories on a standard wood stud partition faced each side with single layer of 5/8" Bestwall Firestop Gypsum Wallboard show a 39 decibel noise reduction value with density of 7.2 pounds per square foot.

FIRE RESISTANCE

Bestwall Firestop is recommended where extra fire resistance is required in residential, commercial and public buildings. 5/8" thickness provides one-hour fire resistance in single layer application on both walls and ceilings over wood or steel. ½" thickness provides 45 minute fire rating in single layer application when applied over wood framing, for both walls and ceilings

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.

5/8" Bestwall Firestop qualifies for building code acceptance in all the constructions in the table on the following page. Bestwall Firestop is listed by Underwriters and carries the UL Label for 1, 2 and 3 hour Fire Resistance in various designs and for Fire Hazard Classification of 10-15.

MANIFEST FOR 5/8" BESTWALL FIRESTOP

FIRE HAZARD CLASSIFICATION

Underwriters' Laboratories, Inc. INSPECTED WALLBOARD ISSUE

FIRE RETARDANT CLASSIFICATION

Floor and Ceiling

Walls and Partitions

SGP 0026474

You are protected against substitution of inferior material by Underwriters' Laboratories Label Service as evidenced by the Underwriters Laboratories Manifest which appears on the twin mounting tape binding each bundle of 5 pieces. And especially important to architects and building inspectors, the front of each sheet is marked with "5/8" Bestwall [illegible]

TECHNICAL DATA WALLBOARD CONSTRUCTION

	CONSTRUCTION	WALL SURFACE		FIRE RATING	UL DESIGN NO.	WEIGHT SQ. FT.	NRC (AVERAGE) DECIBELS*	ICBO RESEARCH RECOMMENDATION
PARTITIONS:	Wood Studs 16" on center unless noted otherwise. Load bearing and non-load bearing unless noted.	Surfaced both sides with	⅜" Bestwall	25 Minutes		—	—	
			½" Bestwall	40 Minutes		5.9	35	
			½" Bestwall with Mineral Wool in stud space.	1 Hour		—	—	
			½" Bestwall Firestop	45 Minutes		—	—	—
			⅝" Bestwall Firestop	1 Hour		7.2	39	1145.
			Bestwall Hummer System "A" 2 layers ⅜" Bestwall	1 Hour		8.2	38	
			2 layers ½" Bestwall	1½ Hours		—	—	
			2 layers ⅝" Bestwall Firestop	2 Hours		12.9	45	1000
PARTITIONS:	Steel Studs 24" on center (Nailable) load bearing	Surfaced both sides with	⅝" Bestwall Firestop	1 Hour	11	6.5	—	1155
PARTITIONS:	Non Load Bearing Gypsum Studs	Partitions 2¼" Thick	**Bestwall Hummer System "B"** 2 layers ⅝" Bestwall Firestop separated by 1" Gypsum Studs	1 Hour	10	7.2	35	1144
		2¼" Thick	**Bestwall Hummer System "C"** 2 layers ⅜" Bestwall separated by ¾" Gypsum Studs	45 Minutes		7.7	39	
		6" Thick	1 layer ⅜" Bestwall Gypsum Wallboard over 1 layer of ⅝" Bestwall Firestop on each side of 1" Gypsum Studs	1 Hour		7.8	40	
		6" Thick	½" Bestwall Gypsum Wallboard over 1" Bestwall Backer on each side of 3" air space	1½ Hours		13	3	
		4" Thick	2 layers ⅝" Bestwall Firestop on each side of 1" Gypsum Studs	1 Hours		13.4	3	1152
		5" Thick	2 layers ⅝" Bestwall Firestop on each side of staggered 1" Gypsum Studs	3 Hours	5	13.4	40	—
CEILINGS:	Wood Joists 16" on center unless noted otherwise Finished wood floor on rough wood subfloor	Ceiling	⅜" Bestwall	15 Minutes		—	—	
			½" Bestwall	25 Minutes		11.4	—	
			⅝" Bestwall Firestop	30 Minutes	—	—	—	—
			½" Bestwall Firestop	45 Minutes	1	—	—	—
			⅝" Bestwall Firestop	1 Hour	1	12.0	—	1145
			2 layers ⅜" Bestwall	30 Minutes		12.4	32	
			2 layers ½" Bestwall	1 Hour		—	—	
CEILINGS:	Steel Joists 24" on center unless noted otherwise 2" Cement floor slab cross furring 16" center.	Ceiling	⅝" Bestwall Firestop	1 Hour	2	34.2	44	1155
			⅝" Firestop Backer	1 Hour		34.1	—	—
			2 layers ⅝" Bestwall Firestop	1½ Hours	3	36.8	—	—
STEEL COLUMNS:		Board tied and Finished	2 layers ½" Bestwall	1 Hour				
			3 layers ½" Bestwall	1½ Hours				
			4 layers ½" Bestwall	2½ Hours				

Fire Hazard Classification Official Underwriters Tests ½" & ⅝" Firestop (Listed) 10-15 ⅜", ½", and ⅝" Bestwall (Tested Not Listed) 10-15

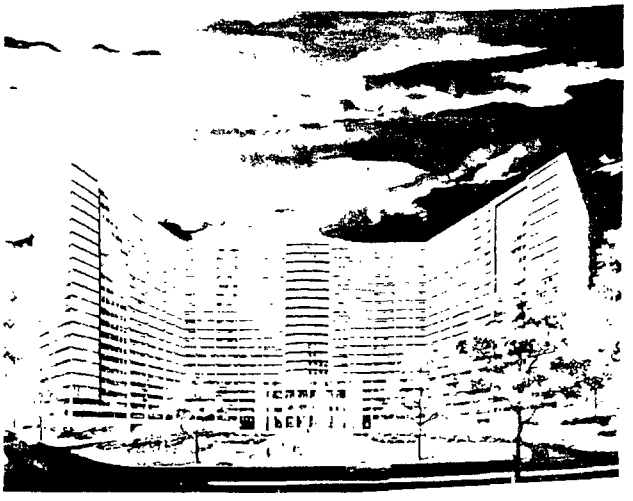
NOTE: This table is a summary only based on tests at Underwriters' Laboratories National Bureau of Standards and/or Ohio State University, sponsored by the Bestwall Gypsum Company, the Gypsum Association and/or others. The fire rating, weight and sound characteristics are based on a combination of specific details as covered in official publications of Underwriters' Laboratories, the National Bureau of Standards, Ohio State University and/or the Bestwall Gypsum Company

*Inconsistencies Due to Reports covering 15 years and work of different laboratories

Details of construction and information about transmission rating, flexural strength, backer for acoustical tile will be sent upon your request.

BUILDINGS WITH BESTWALL USED FOR INTERIORS





SGP 0026475

BESTWALL GYPSUM WALLBOARD PRODUCTS

SYSTEMS ENGINEERING

What Bestwall Systems Engineering Is!

Bestwall Systems Engineering is a service created to assist architects and contractors in all Gypsum Wallboard Partition Systems and ceiling installations whether single layer, multi-layer laminated, metal stud screw-on application, or metal framing movable.

Bestwall Systems Engineers, who are specialists in all phases of design and construction of partitions, are available in major metropolitan areas to assist in quantity surveys, detailing and installation of fire rated and sound control ceiling and partition assemblies.

INDEX TO BESTWALL HUMMER SYSTEMS

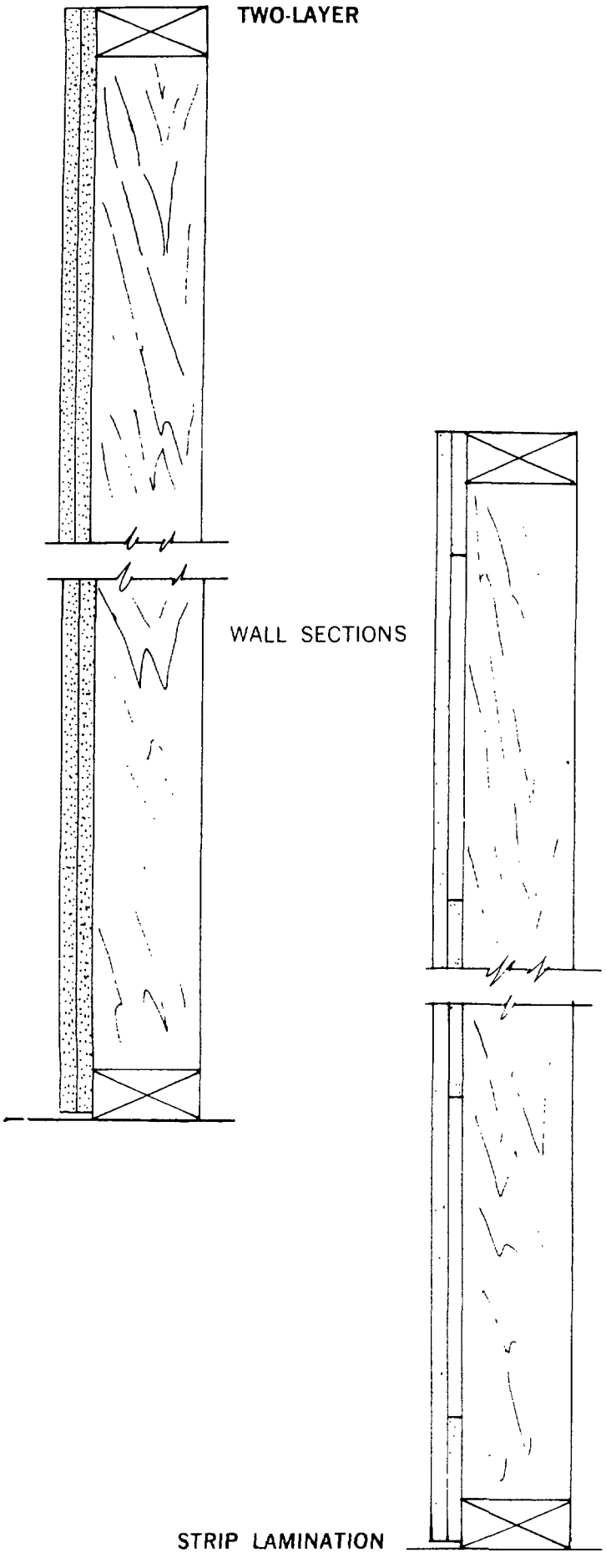
SYSTEM	FIRE RATINGS	SOUND CONTROL	PAGE
TWO-LAYER	1 Hour	43 Db	8
STRIP LAMINATION	—	34 Db	8
2¼" SEMI-SOLID	2 Hours	35 Db	9
4" SEMI-SOLID	2 Hours	42 Db	10
5" SEMI-SOLID	3 Hours	47 Db	10
2" SOLID	2 Hours	36 Db	11
6" DOUBLE SOLID	1½ Hours	47 Db	12
2¼" SEMI-SOLID MOVABLE	1 Hour	39 Db	13
METAL STUD FRAMING	1 Hour	42 Db	14

SGP 0026476

COOPERATING MEMBER BESTWALL SYSTEMS ENGINEERING

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

Curtis Partition Corp.	722 Liberty Avenue	North Bergen, New Jersey	Union 4-2085-6
Donn Products	700 Bassett Road	Westlake, Ohio	Trinity 1-1000
Henges Company	2814 Locust Street	St. Louis 3, Missouri	Franklin 1-1776
National Rolling Mills	P. O. Box 205	Malvern, Pennsylvania	Niagara 4-6700
Neslo Partitions	30 Alabama Avenue	Island Park, L. I., New York	General 2-5201
Penn Metal Company		Parkersburg, West Virginia	295-4521



LAMINATED PARTITIONS

TWO-LAYER (One-Hour Fire Resistive)

What The Two-Layer System Is!

Two-Ply Lamination is an advanced system of wall and ceiling construction erected by laminating two plies of 3/8" Bestwall Glass Fiber Reinforced Gypsum Wallboard to conventional framing. The first ply is nailed. The second is applied with adhesive and screws. It is the basic system for fire rated, durable walls and ceilings for residential and commercial work in new construction or remodeling.

What The Two-Layer System Provides:

- Fire Resistance—One-Hour
- Sound Transmission Loss—43 Decibels (Tested before 1957), 38 Decibels (Tested 1958)
- Strength—Two-layer lamination has twice the strength of a single layer application
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard

Reference: Bestwall Hummer Systems Brochure #BW-62380

STRIP LAMINATION

What Strip Lamination Is!

This original strip laminated method of applying Bestwall Gypsum Wallboard provides nearly all the advantages of two-ply lamination at lower cost. Full size sheets of Bestwall Gypsum Wallboard are applied to the framing of walls and ceilings over strips of gypsum wallboard. The System is recommended for commercial and residential work in new construction or remodeling—wherever strong, durable walls and ceilings are desired.

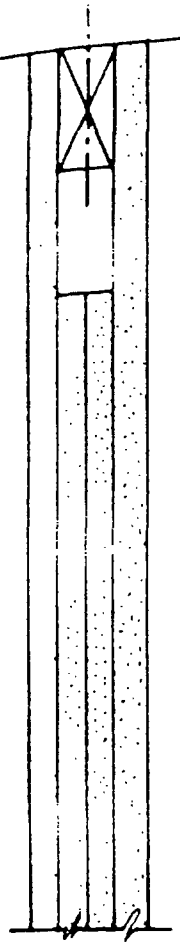
What The Strip Lamination System Provides:

- Sound Transmission Loss—34 Decibels (Tested before 1957)
- Strength—Strip lamination at joining of boards and in center greatly strengthens application
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard

Reference: Bestwall Hummer Systems Brochure #BW-62385

BESTWALL GYPSUM WALLBOARD PRODUCTS

SYSTEMS ENGINEERING



WALL SECTION

LAMINATED PARTITIONS

2¼" SEMI SOLID (One-Hour Fire Resistive)

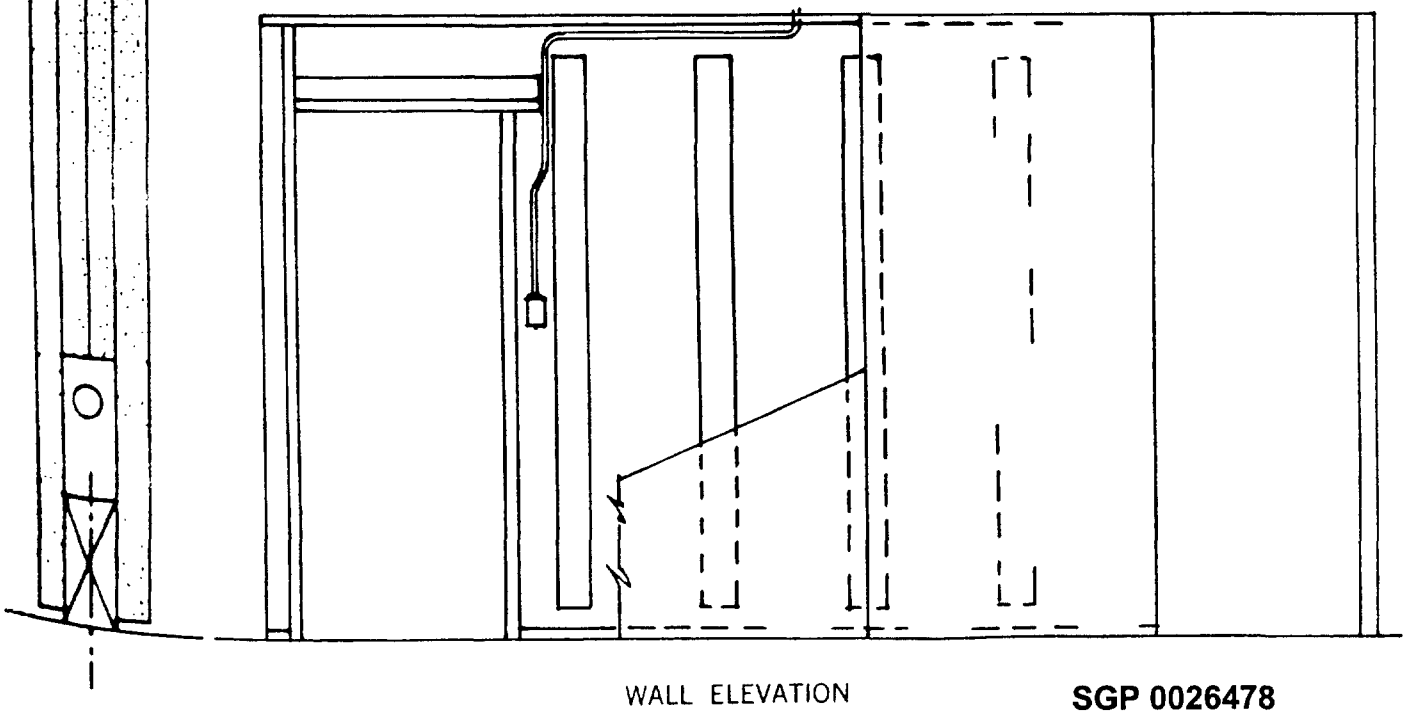
What The Semi-Solid System Is!

This Semi-Solid Gypsum Partition System is a non-load bearing construction erected by laminating ⅝" Bestwall Firestop Gypsum Wallboard to gypsum ribs with a minimum thickness of 1" spaced 24" on center. It is recommended for commercial and residential work in both new construction and remodeling—wherever fire-rated, non-load bearing partitions are required.

What The Semi-Solid System Provides:

- Fire Resistance—One-hour with Bestwall Firestop
- Sound Transmission Loss—35 Decibels (Tested before 1957), 30 Decibels (Tested 1958)
- Strength—More rugged under standard "Bump" test than wall with 2" x 4" studs, 16" o.c., faced with ½" gypsum wallboard
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard
- Extra Usable Floor Space—20 sq. ft. more than 2" x 4" stud wall construction for every 100 lin. ft. of wall

Reference: Bestwall Hummer Systems Brochure #BW-62390



WALL ELEVATION

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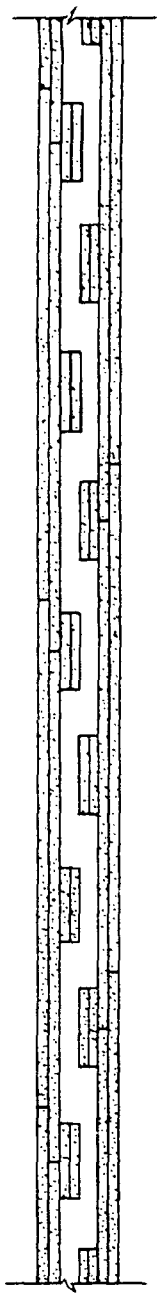
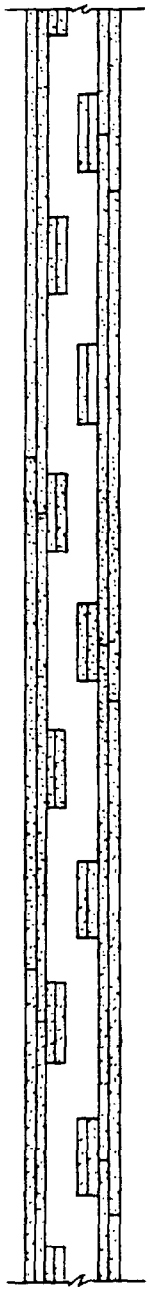


4" SEMI-SOLID
NON-LOAD BEARING

WALL SECTIONS
TOP VIEW



5" SEMI-SOLID
NON-LOAD BEARING

LAMINATED PARTITIONS

4" SEMI-SOLID NON-LOAD BEARING (Two-Hours Fire Resistive)

What The 4" Semi-Solid Non-Load Bearing System Is!

This Semi-Solid Gypsum Partition System is a non-load bearing construction erected by laminating 5/8" Bestwall Firestop Gypsum Wallboard to gypsum ribs. It is recommended for commercial and residential work in both new construction and remodeling—wherever fire-rated, non-load bearing partitions are required.

What The 4" Semi-Solid Non-Load Bearing System Provides:

- Fire Resistance—Two-hours with 5/8" Bestwall Firestop
- Sound Transmission Loss—42 Decibels (Tested before 1957, 37 Decibels (Tested 1958)
- Strength—At least 10% less deflection under standard ASTM "Bump" test than walls with 2" x 4" studs 16" o.c. faced with 1/2" gypsum wallboard
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard

Reference: Bestwall Hummer Systems Brochure #BW-62390

5" SEMI-SOLID NON-LOAD BEARING (Three-Hours Fire Resistive)

What The 5" Semi-Solid Non-Load Bearing System Is!

This Semi-Solid Gypsum Partition System is a non-load bearing construction erected by laminating 5/8" Bestwall Firestop Gypsum Wallboard to gypsum ribs. It is recommended for commercial and residential work in both new construction and remodeling—wherever fire-rated, non-load bearing partitions are required.

What The 5" Semi-Solid Non-Load Bearing System Provides:

- Fire Resistance—Three-hours with Bestwall Firestop
- Sound Transmission Loss—47 Decibels (Tested before 1957), 40 Decibels (Tested 1958)
- Strength—At least 10% less deflection under standard ASTM "Bump" tests than walls with 2" x 4" studs, 16" o.c. faced with 1/2" gypsum wallboard
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard

Reference: Bestwall Hummer Systems Brochure #BW-62390

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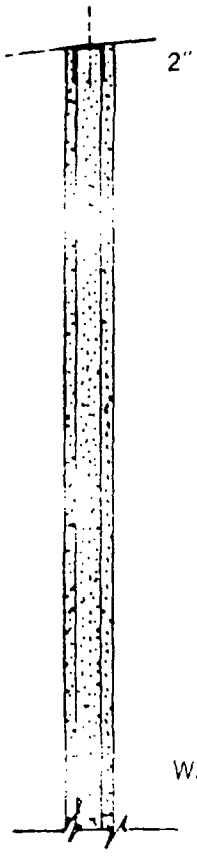
BESTWALL GYPSUM WALLBOARD PRODUCTS

SYSTEMS ENGINEERING



WALL SECTION

LAMINATED PARTITIONS

2" SOLID (One to Two Hours Fire Resistive)

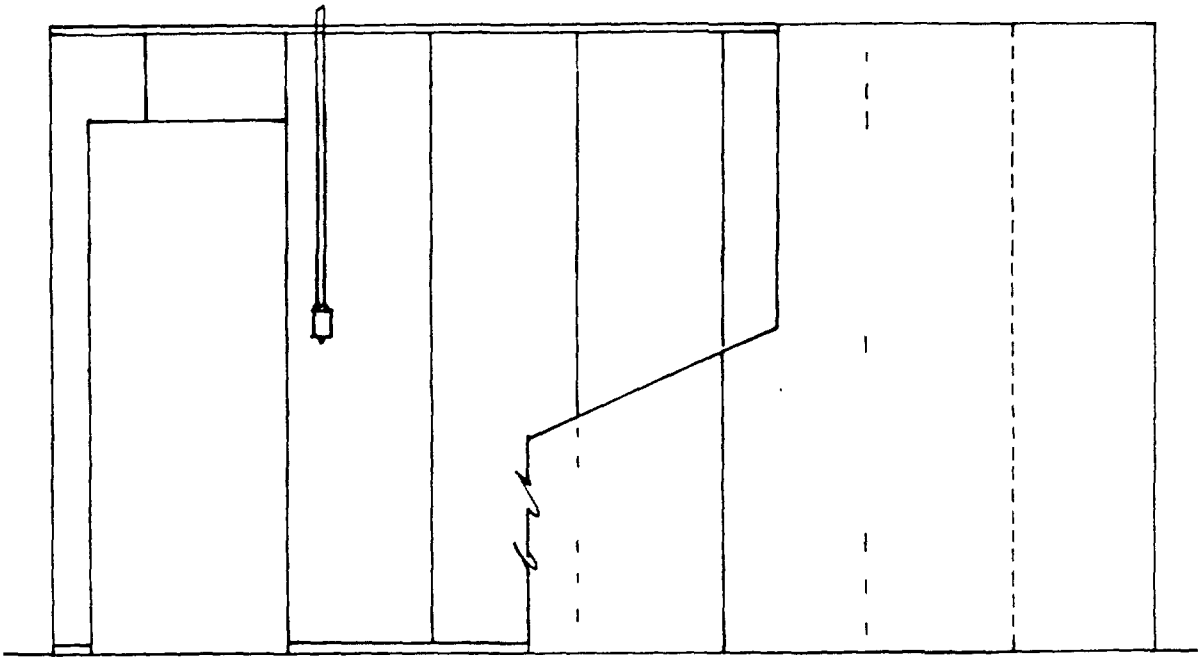
What The 2" Solid System Is!

This laminated non-load bearing Gypsum partition system consists of 1" homogeneous core board with face plys of ½" Bestwall Gypsum Wallboard.

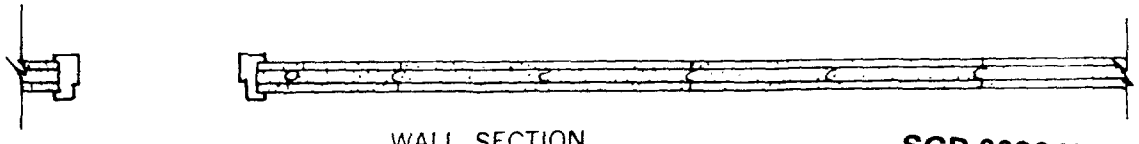
What The 2" Solid System Provides:

- Fire Resistance—One hour with Bestwall Gypsum Wallboard, Two hours with Bestwall Firestop
- Sound Transmission Loss—36 Decibels (Tested 1958)
- Strength — Standard "Bump" tests show partition equal to ½" gypsum board over 2" x 4" wood studs 16" o.c.
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard
- Extra Usable Floor Space—26 sq. ft. more than 2" x 4" stud wall construction for every 100 lin. ft. of partition

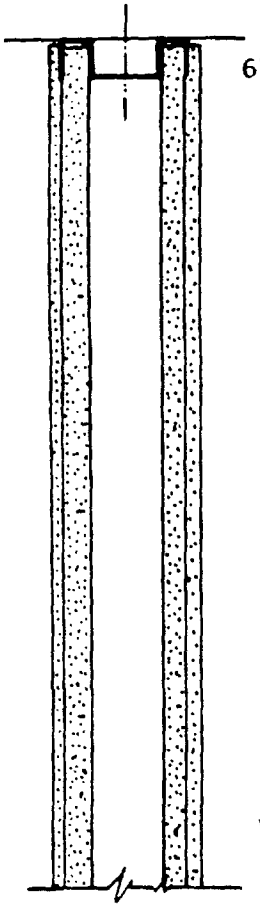
Reference: Bestwall Hummer Systems Brochure =BW-62395



WALL ELEVATION



WALL SECTION



6" DOUBLE SOLID

WALL SECTION

LAMINATED PARTITIONS

6" DOUBLE SOLID (Two Hours Fire Resistive)

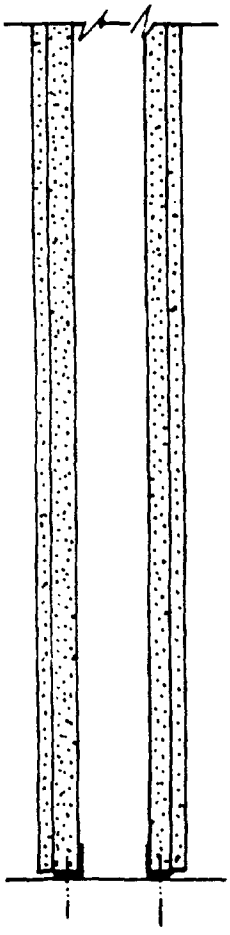
What The 6" Double Solid System Is!

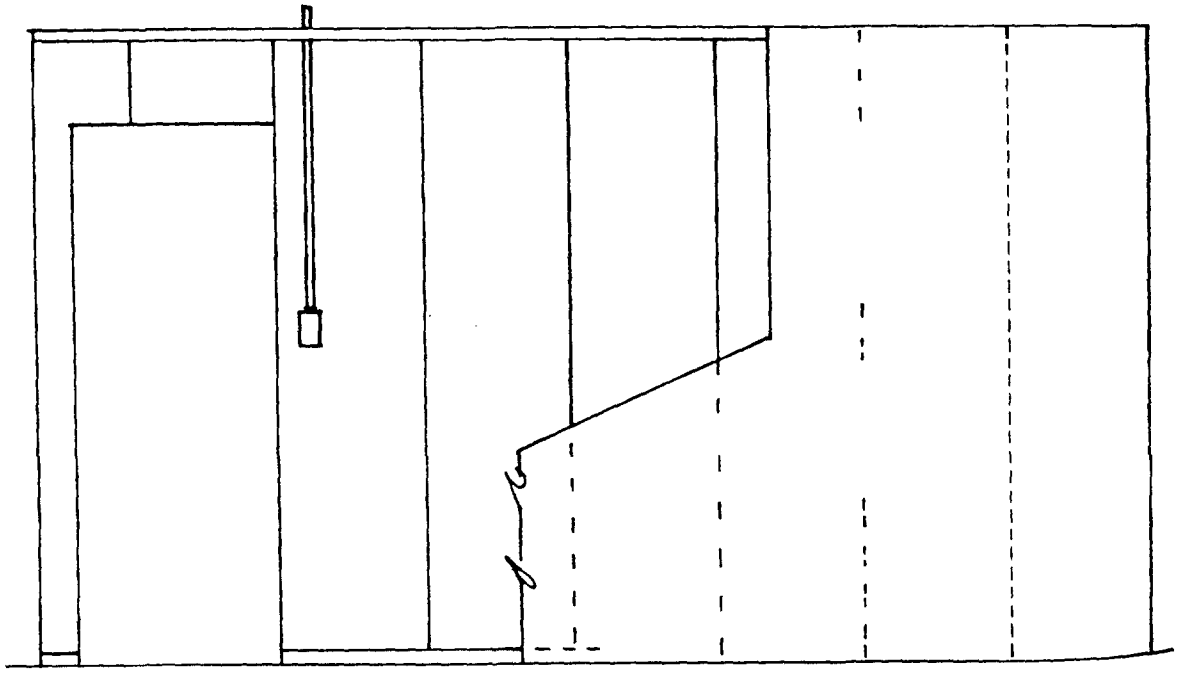
This non-load bearing Gypsum partition system is erected by laminating ½" ply to 1" homogeneous board each side of a 3" void. It is recommended for party walls in high rise, residential construction.

What The 6" Double Solid System Provides:

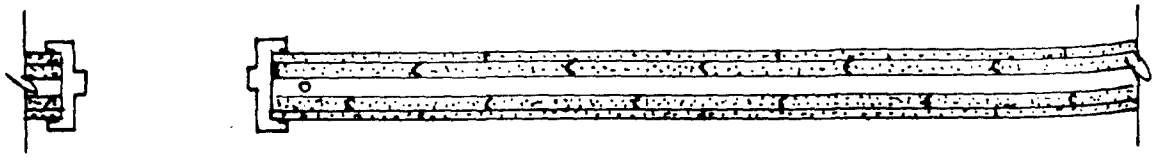
- Fire Resistance—Two-hours
- Sound Transmission Loss—47 Decibels (Tested 1961)
- Strength—Proven in ASTM "Bump" tests and performance to have greater resistance to deflection and cracking than a standard frame or thin solid wall
- Laminated Construction — Smooth monolithic walls created by unitized lamination of multi-plies of Gypsum Wallboard
- Center Air Space—3" space for piping—conduit—fixture framing—for additional sound transmission loss

Reference: Bestwall Hummer Systems Brochure = BW-62400





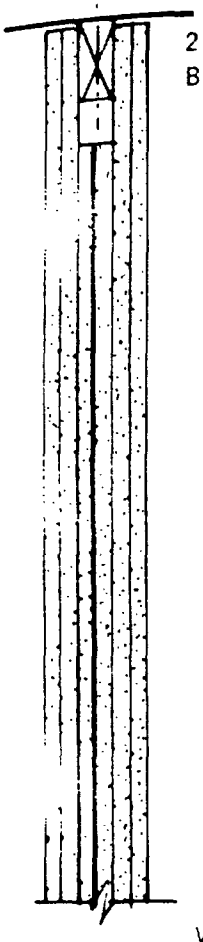
WALL ELEVATION



WALL SECTION

BESTWALL GYPSUM WALLBOARD PRODUCTS

SYSTEMS ENGINEERING



2¼" SEMI SOLID NON-LOAD BEARING MOVABLE

WALL SECTION

LAMINATED PARTITIONS

2¼" SEMI-SOLID NON-LOAD BEARING MOVABLE (One Hour Fire Resistive)

What The 2¼" Semi-Solid Non-Load Bearing Movable System Is!

This movable all-gypsum non-load bearing partition system is designed to provide space quickly at moderate cost. Created entirely of factory-fabricated Bestwall Gypsum Wallboard, this 24" modular construction provides privacy as well as beauty in large offices or loft buildings. An entire room can be erected, trimmed and painted in one day. Special beveled edges provide an attractive panelled effect.

What The 2¼" Semi-Solid Non-Load Bearing Movable System Provides:

- Fire Resistance—One-hour (with 8" rib)
- Sound Transmission Loss—39 Decibels (Tested before 1957), 34 Decibels (Tested 1958)
- Versatility—Movable non-load bearing partitions are created entirely of factory-fabricated Bestwall Gypsum Wallboard Panels (may be made permanent).
- Strength—More resistant to damage and failure under standard ASTM "Bump" test than wall with 2" x 4" studs. 16" o.c., faced with ½" gypsum wallboard
- Speed of Erection—Ready for decoration immediately —No joint treatment required

Reference: Bestwall Hummer Systems Brochure #BW-62405

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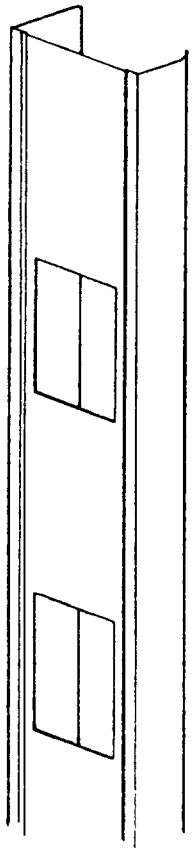
American Red Cross Building, Denver, Colorado, showing Bestwall Systems Engineering 'C' System.



PARTITIONS FOR METAL STUD FRAMING

What Metal Stud Framing Is!

This Metal Stud frame partition is a non-load bearing construction consisting of metal studs inserted into floor and ceiling tracks with Bestwall Gypsum Wallboard attached to studs with drywall screws. It is recommended for commercial and residential work in new and remodeled construction when low cost, fire rated and sound control partitions are required.

What Metal Stud Framing Provides:

- Simple and fast erection
- Complete flexibility
- Sound rating—45 Decibels (2 layers, 5/8" Firestop both sides)
- Fire rating—Two hours (2 layers, 5/8" Firestop both sides)
- All incombustible components

Reference: Bestwall Metal Stud Partitions = BW-62120

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 Embossed Tape—Embossed for full width, including skived edges and center creased, this tape has 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.

Bestwall Joint System Compound—A plasticized adhesive used for both bedding and topping Bestwall Tape and for spotting nail heads. Sanding is eliminated.

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

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

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 (used for both bedding and for spotting nail heads).
2. Two-Material Treatment — Bestwall Bedding Compound, Bestwall Topping Compound. Specially designed for use on large projects.

Reinforcing Tape: Bestwall Embossed Tape.

Joint Work: Apply Bestwall Joint System 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 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 or Bedding Compound has whitened (surface dry) cover taped joint with Joint System Compound or Topping Compound. Shear off surplus leaving uniform coverage over tape with edges well feathered.

Joint System Compound or Bedding Compound under tape and first coverage of tape with Topping Compound must be thoroughly dry before further treatment.

Cover joints second time with Joint System 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 or Topping Compound over entire surface. Shear off tight in lieu of third application to joints only. (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 is 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 9¼ gal. of water (2¾ lbs. per one gal.). Consistency of the mixed material should be such that when spread over gypsum board with a 12" serrated sheet metal blade having notches 3/16" wide, 3/16" high, ½" o.c., it will not self-level. Ribbons of glue may be applied with serrated knife or mechanical glue spreader. Coverage is approximately 16 lbs. per one-thousand sq. ft. (See Laminating Compound Product Sheet BW-62355)

BESTWALL GYPSUM WALLBOARD PRODUCTS

SYSTEMS ENGINEERING

CEILING SYSTEMS

See Bestwall Gypsum Sweet's catalog Number 11a/Be for:

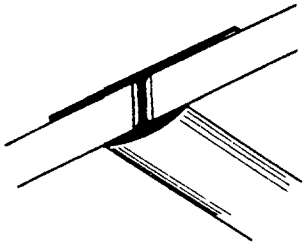
a—Bestwall Gypsum Incombustible Acoustical Tile

b—Bestwall Gypsum Incombustible "Firestop-120" (Two-hour rated ceiling assembly)

c—Bestwall Gypsum Incombustible Ceiling Tile

METAL ACCESSORIES

Pre-Decorated (Aluminum sections in matching finish for Eternawall available for 3/8", 1/2", 5/8")



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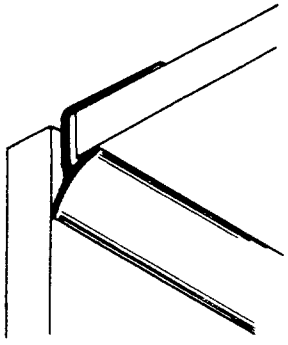
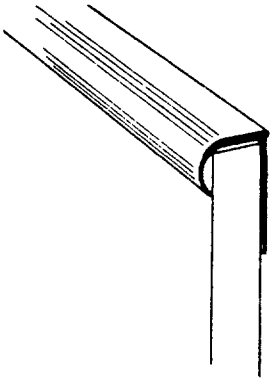
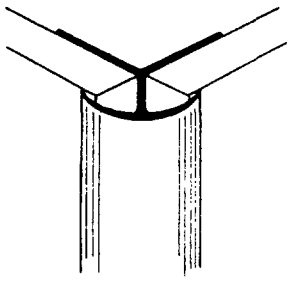


INSIDE CORNER



END CAP



OUTSIDE CORNER

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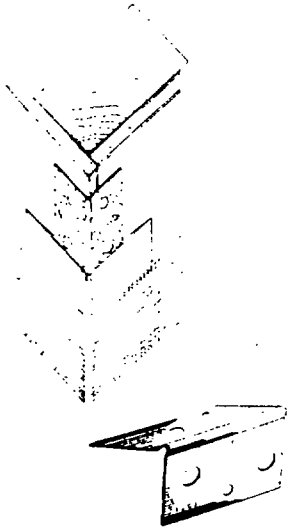
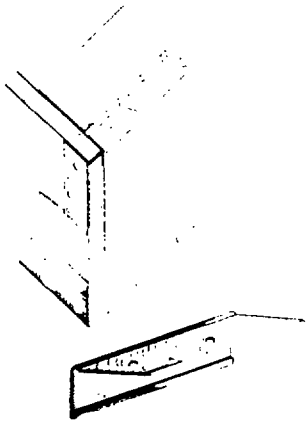
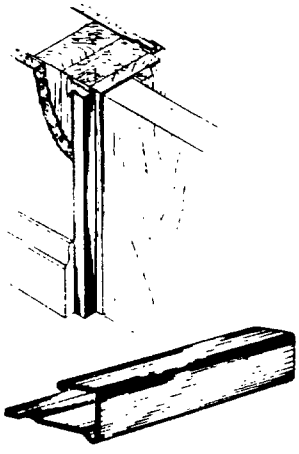
METAL TRIM



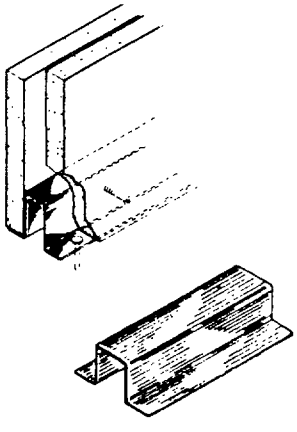
METAL CORNER



ANGLE EDGE METAL CASING



SQUARE NOSE METAL CASING



HAT SECTION

COMPANY

For over half a century, Bestwall gypsum building materials have been accepted as a standard of quality everywhere. This recognition is earned through continued creative research which provides you with better building products and construction components.

FACILITIES

Strategically located plants across the nation utilize the most modern equipment and production techniques. In addition, research laboratories continuously check and control the performance of the finished product to meet highest quality standards. An efficient distribution network makes Bestwall a prompt and reliable source of supply.

SERVICES

Bestwall representatives are qualified to give you assistance if needed to insure that your specifications are complete and applicable.
Bestwall Hummer Systems are installed by Approved Drywall Contractors located throughout the United States.

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1300 Baxter Street
Charlotte 4, North Carolina

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Berkeley, Illinois

CINCINNATI
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Cincinnati 27, Ohio

CLEVELAND
815 Superior Avenue, N.E.
Cleveland 14, Ohio

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Dallas 22, Texas

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2785 North Speer Boulevard
Denver 11, Colorado

DETROIT
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Suite 227, Officenter Building
Detroit 35, Michigan

HOUSTON
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Houston 19, Texas

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Chef Menteur Station
7800 Alamonaster Drive
New Orleans 26, Louisiana

NEW YORK
P.O. Box 161
119 Summit Avenue
Summit, New Jersey

OMAHA
531 Center Building
42nd and Center Streets
Omaha 5, Nebraska

PHILADELPHIA
Wilmington Marine Terminal
Wilmington 99, Delaware

ST. LOUIS
17th Street and Broadway
East St. Louis, Illinois

SALT LAKE CITY
119 West Second South
Salt Lake City 1, Utah

SAN FRANCISCO
301 El Cerrito Plaza
El Cerrito, California

SEATTLE
1005 Tower Building
7th Avenue at Olive Way
Seattle 1, Washington

TWIN CITIES
2301 E. Hennepin Avenue
Minneapolis 13, Minnesota

WASHINGTON
P.O. Box 7025
Suite 202, Broyhill Building
4620 Lee Highway
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BESTWALL
BUILDING PRODUCTS

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[illegible] Baxter Street
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Product Brochures
1963

SGP 0026468

1. Bestwall Gypsum Wallboard Products 1963

2. Bestex

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