



FIRESTOP BESTWALL GYPSUM WALLBOARD

ONE HOUR NON-LOAD BEARING STUDLESS WALL

REPRODUCTION FROM UNDERWRITERS' LABORATORIES, INC. GUIDE NO. 40 U18.23.

Guide No. 40 U18.23.
Wallboard.

June 3, 1957.

R2717.

Bestwall Gypsum Co., Ardmore, Pa.

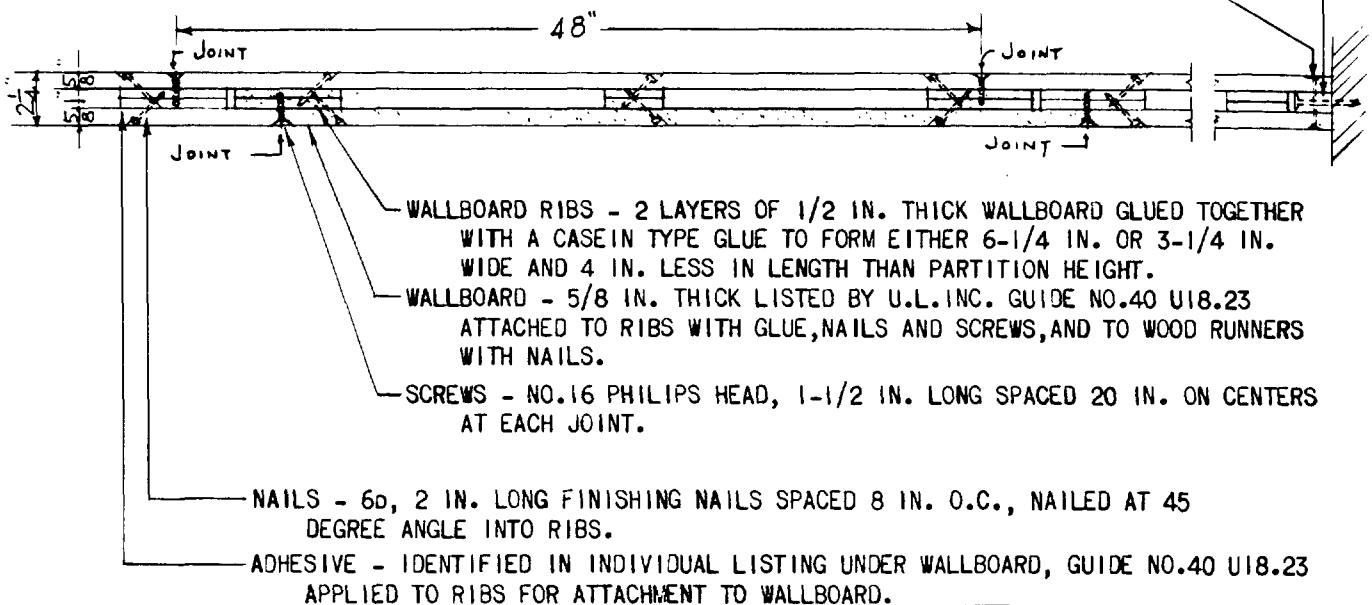
For Wall and Partition Design No. 10-1 Hr.

GUIDE NO.40 U18
GENERAL INFORMATION (CONT'D)
WALLS AND PARTITIONS

CLASS E-1 DESIGNS DESIGN NO.10-1 HR.-(NON-BEARING PARTITION)

WOOD RUNNERS - 1 BY 1-5/8 IN. YELLOW PINE USED ON SILL, LINTEL AND SIDES
FASTENED TO CONCRETE OR MASONRY WITH 1/4 IN. BOLTS 3 IN. LONG AND
EXPANSION SHIELDS OR 3-1/2 IN. MASONRY NAILS.

NAILS - 5d, 1-5/8 IN. LONG 1/4 IN. HEAD NAILS SPACED 8 IN. O.C. TO SECURE
WALLBOARD TO WOOD RUNNERS

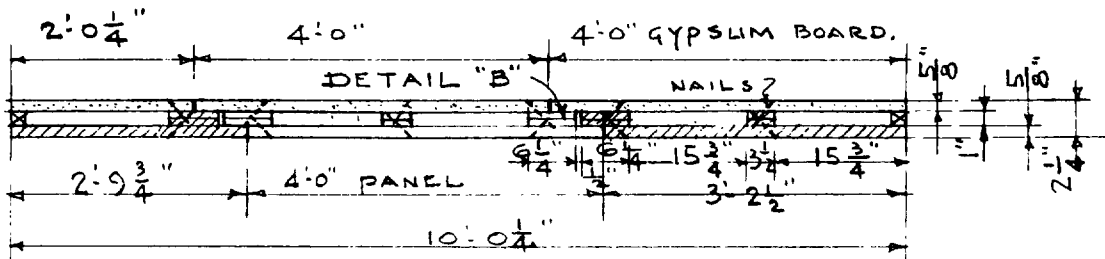


PLAINTIFF'S
EXHIBIT

GP-645-IF

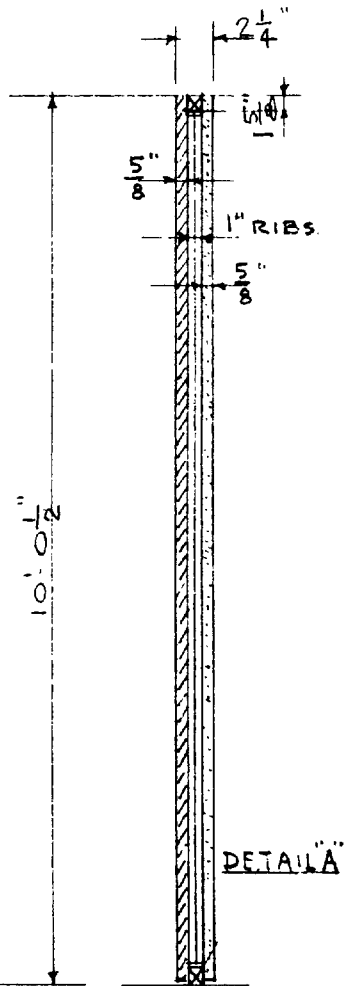
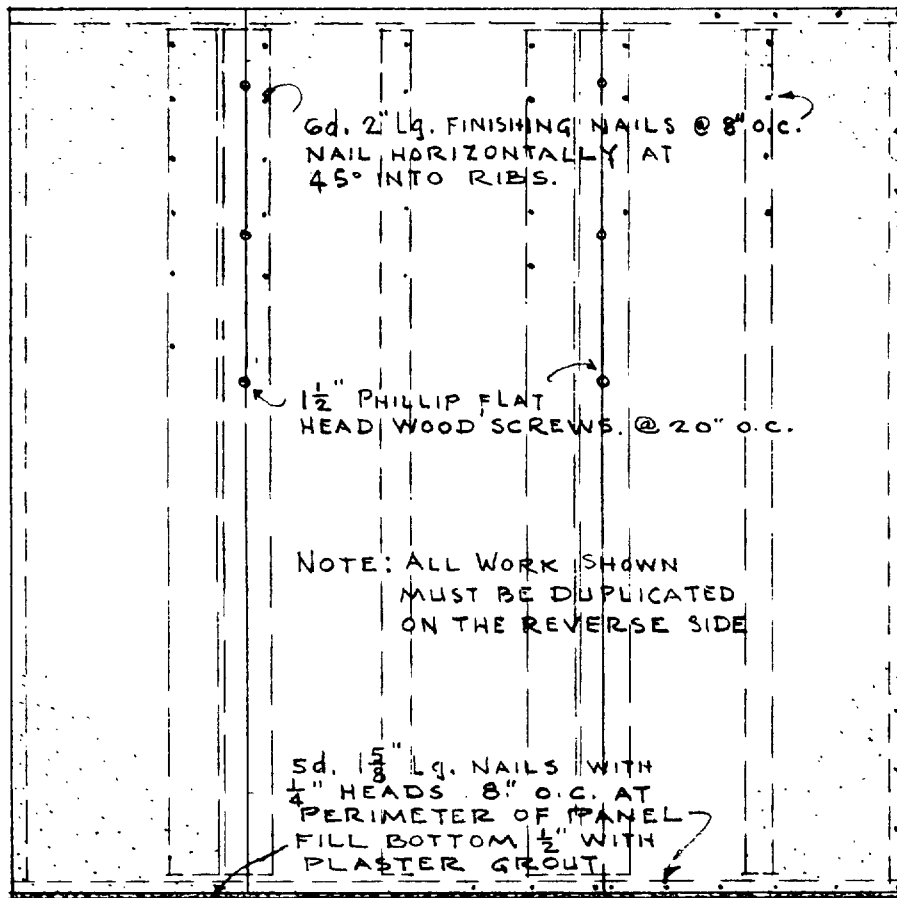
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BESTWALL GYPSUM COMPANY
Ardmore, Pa.



PLAN VIEW

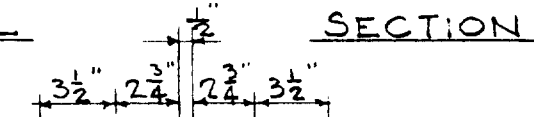
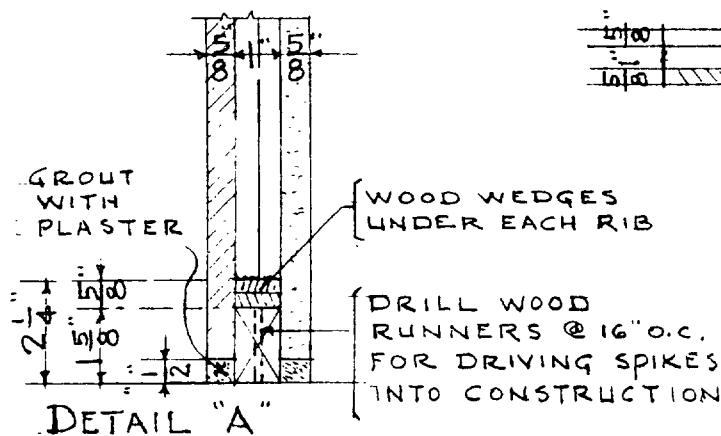
Scale 1/2" = 1'-0"



ELEVATION OF PANEL

Scale 1/2" = 1'-0"

SECTION



Scale 1 1/2" = 1'-0"

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BESTWALL GYPSUM Co.	
RESEARCH LABORATORY PAOLI, PA.	
BESTWALL HUMMER SYSTEM "B"	
(MODIFIED)	
NON LOAD BEARING PARTITION	4.8,57
	2-21-57

FIG. 1
R 2717-19-21



FIRESTOP BESTWALL GYPSUM WALLBOARD

TWO HOUR NON-LOAD BEARING STUDLESS WALL

REPRODUCTION FROM UNDERWRITERS' LABORATORIES, INC. GUIDE NO. 40 U18.23.

Guide No. 40 U18.23
Wallboard.

August 26, 1957

File R2717

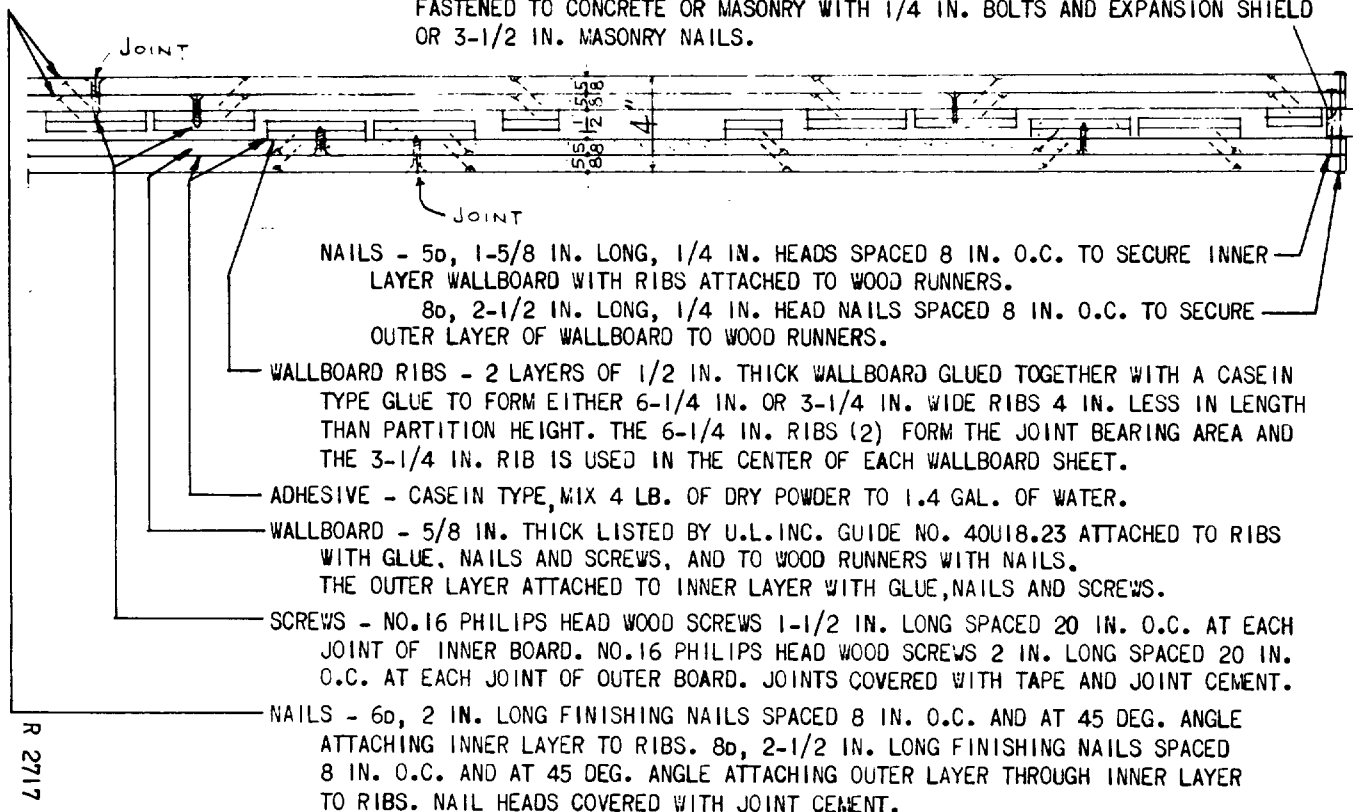
Bestwall Gypsum Co., Ardmore, Pa.

For Wall and Partition Design No. 7-2 hr and 5-3 hr

GUIDE NO. 40U18
GENERAL INFORMATION (CONT'D)
WALLS AND PARTITIONS

CLASS D-2 DESIGN
DESIGN NO. 7 - 2HR (NON-BEARING PARTITION)

WOOD RUNNER - 1-1/2 X 1-5/8 IN. YELLOW PINE, USED ON SILL, LINTEL AND SIDES, FASTENED TO CONCRETE OR MASONRY WITH 1/4 IN. BOLTS AND EXPANSION SHIELD OR 3-1/2 IN. MASONRY NAILS.



NAILS - 5d, 1-5/8 IN. LONG, 1/4 IN. HEADS SPACED 8 IN. O.C. TO SECURE INNER LAYER WALLBOARD WITH RIBS ATTACHED TO WOOD RUNNERS.

8d, 2-1/2 IN. LONG, 1/4 IN. HEAD NAILS SPACED 8 IN. O.C. TO SECURE OUTER LAYER OF WALLBOARD TO WOOD RUNNERS.

WALLBOARD RIBS - 2 LAYERS OF 1/2 IN. THICK WALLBOARD GLUED TOGETHER WITH A CASEIN TYPE GLUE TO FORM EITHER 6-1/4 IN. OR 3-1/4 IN. WIDE RIBS 4 IN. LESS IN LENGTH THAN PARTITION HEIGHT. THE 6-1/4 IN. RIBS (2) FORM THE JOINT BEARING AREA AND THE 3-1/4 IN. RIB IS USED IN THE CENTER OF EACH WALLBOARD SHEET.

ADHESIVE - CASEIN TYPE, MIX 4 LB. OF DRY POWDER TO 1.4 GAL. OF WATER.

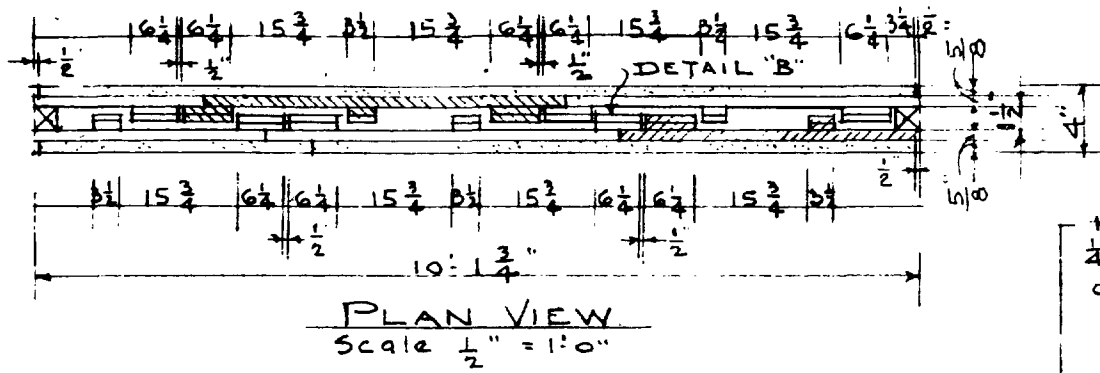
WALLBOARD - 5/8 IN. THICK LISTED BY U.L. INC. GUIDE NO. 40U18.23 ATTACHED TO RIBS WITH GLUE, NAILS AND SCREWS, AND TO WOOD RUNNERS WITH NAILS. THE OUTER LAYER ATTACHED TO INNER LAYER WITH GLUE, NAILS AND SCREWS.

SCREWS - NO. 16 PHILIPS HEAD WOOD SCREWS 1-1/2 IN. LONG SPACED 20 IN. O.C. AT EACH JOINT OF INNER BOARD. NO. 16 PHILIPS HEAD WOOD SCREWS 2 IN. LONG SPACED 20 IN. O.C. AT EACH JOINT OF OUTER BOARD. JOINTS COVERED WITH TAPE AND JOINT CEMENT.

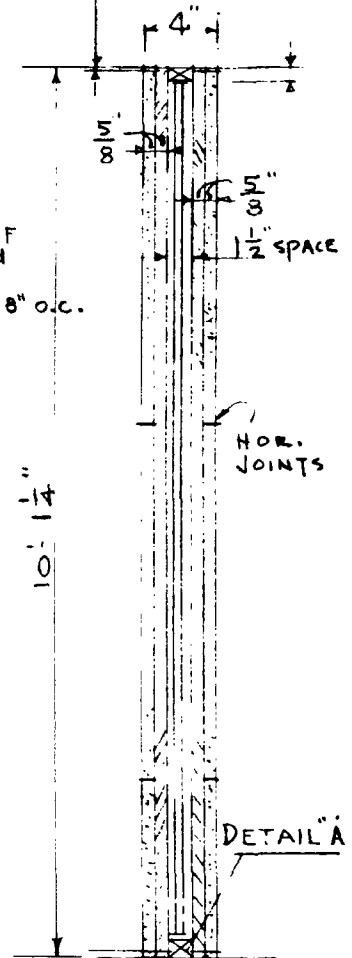
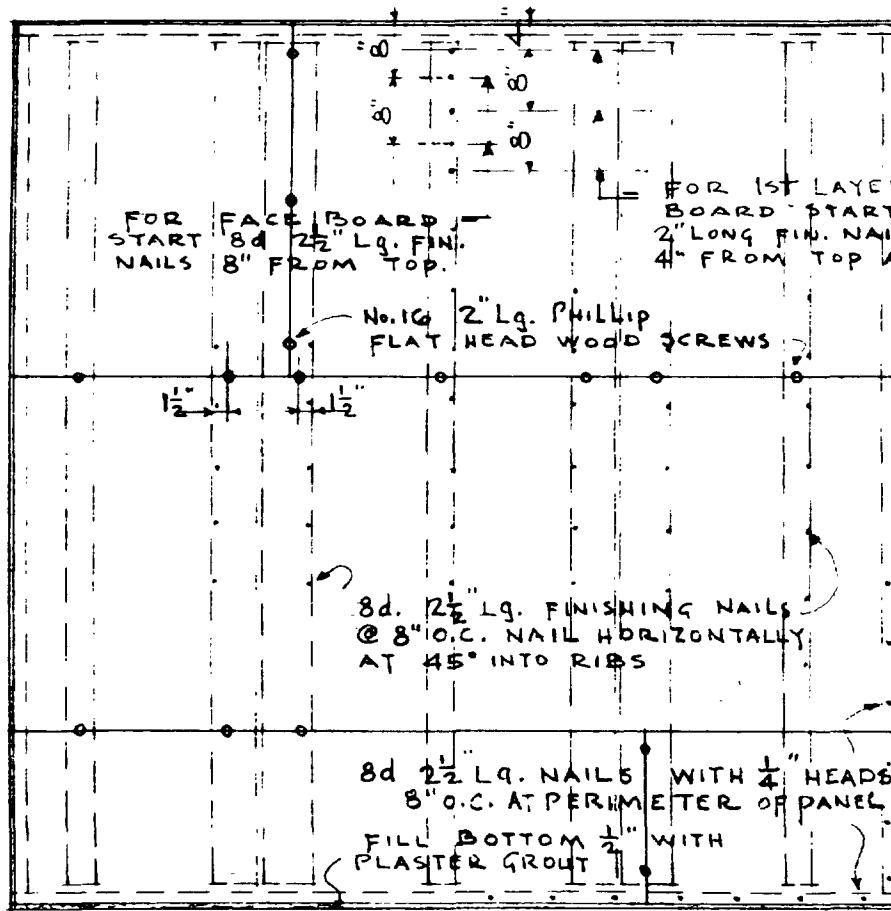
NAILS - 6d, 2 IN. LONG FINISHING NAILS SPACED 8 IN. O.C. AND AT 45 DEG. ANGLE ATTACHING INNER LAYER TO RIBS. 8d, 2-1/2 IN. LONG FINISHING NAILS SPACED 8 IN. O.C. AND AT 45 DEG. ANGLE ATTACHING OUTER LAYER THROUGH INNER LAYER TO RIBS. NAIL HEADS COVERED WITH JOINT CEMENT.

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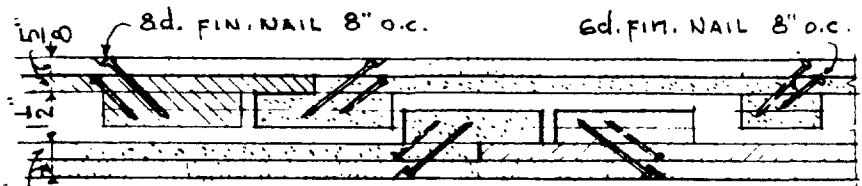
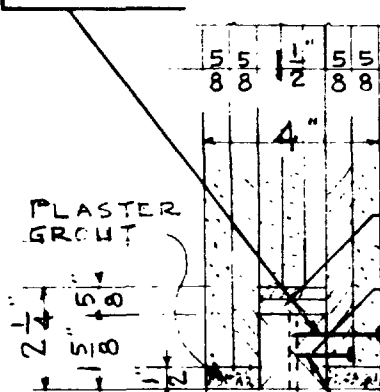
BESTWALL GYPSUM COMPANY
Ardmore, Pa.



KEEP BOARD
 $\frac{1}{4}''$ CLEAR FROM
SIDE & TOP
CONSTRUCTION.



8d - 2 1/2" LG. NAILS WITH 1/4" HEADS
8" O.C. AT PERIMETER OF PANEL.



DETAIL "B"
Scale $\frac{1}{2}'' = 1'-0''$

BESTWALL GYPSUM CO.
RESEARCH LABORATORY, PAOLI, PA
BESTWALL HUMMER SYSTEM "B"
MODIFIED WITH TWO LAYER
APPLICATION ON EACH SIDE
NON LOAD BEARING PARTITION. 2-21-57

FIG. 1
R 2717-20

SGP 0027243

FIRESTOP BESTWALL
GYP SUM WALLBOARD
THREE HOUR NON-LOAD BEARING STUDLESS WALL

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August 26, 1957

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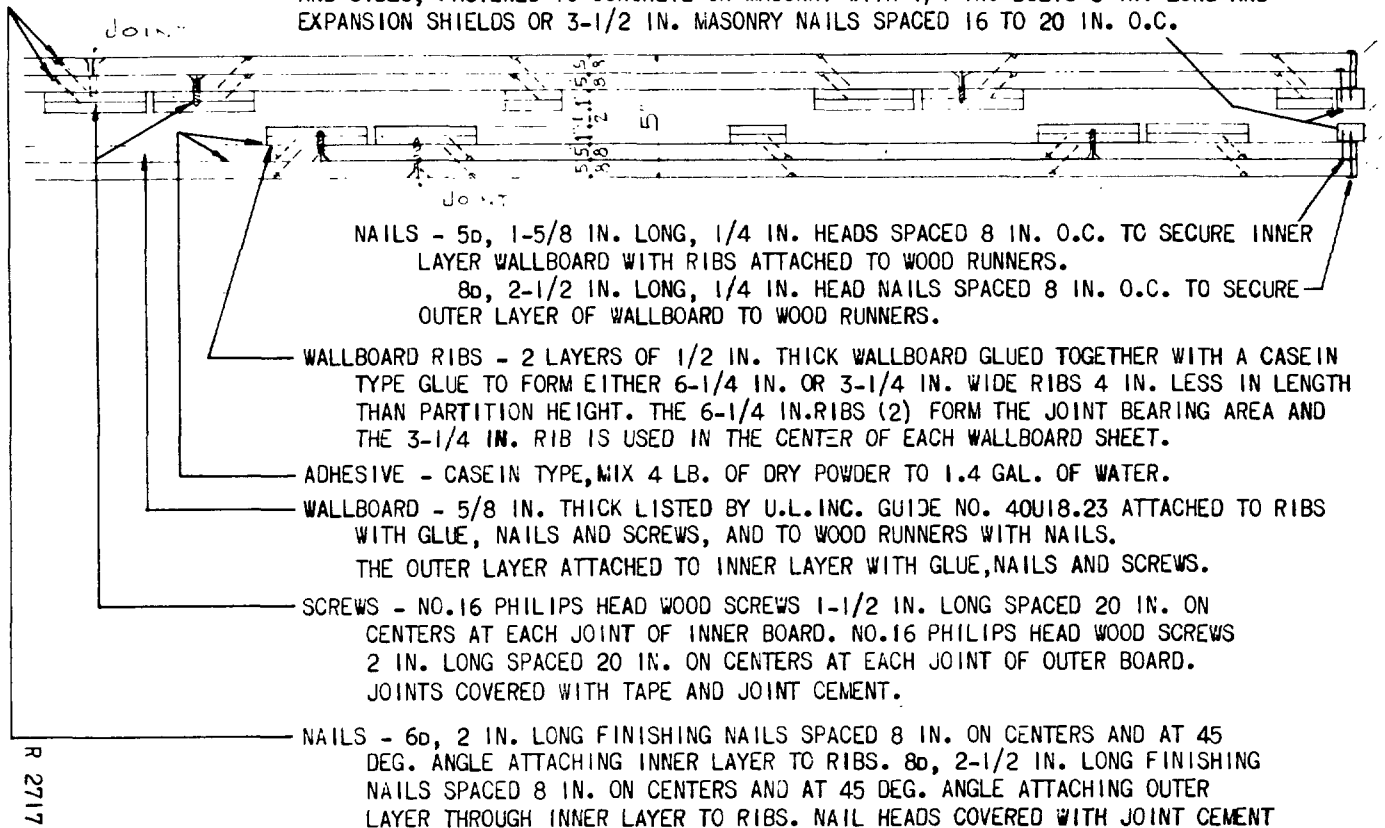
Bestwall Gypsum Co., Ardmore, Pa.

For Wall and Partition Design No. 7-2 hr and 5-3 hr.

GUIDE NO.40U18
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WALLS AND PARTITIONS

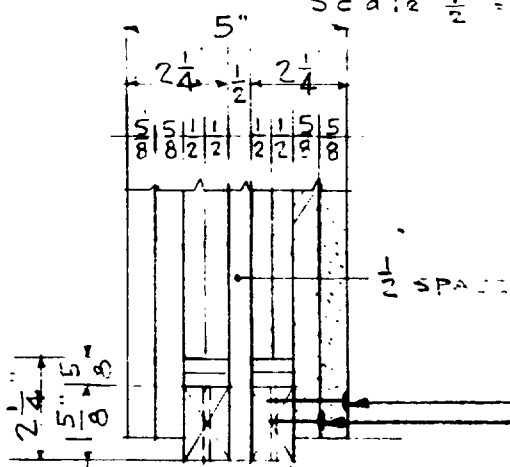
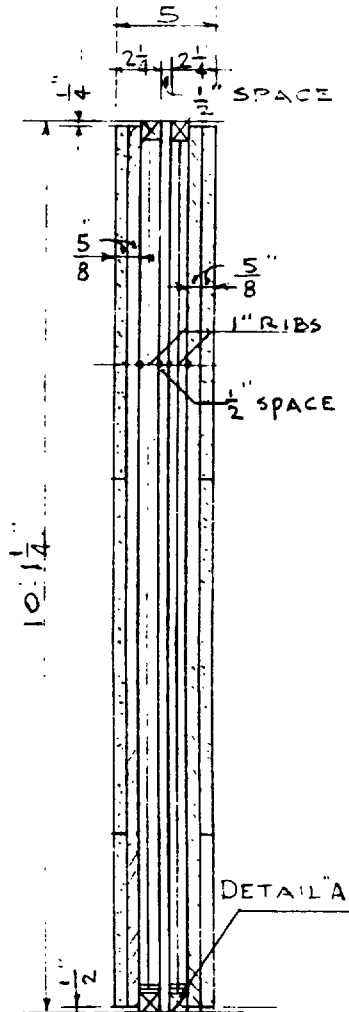
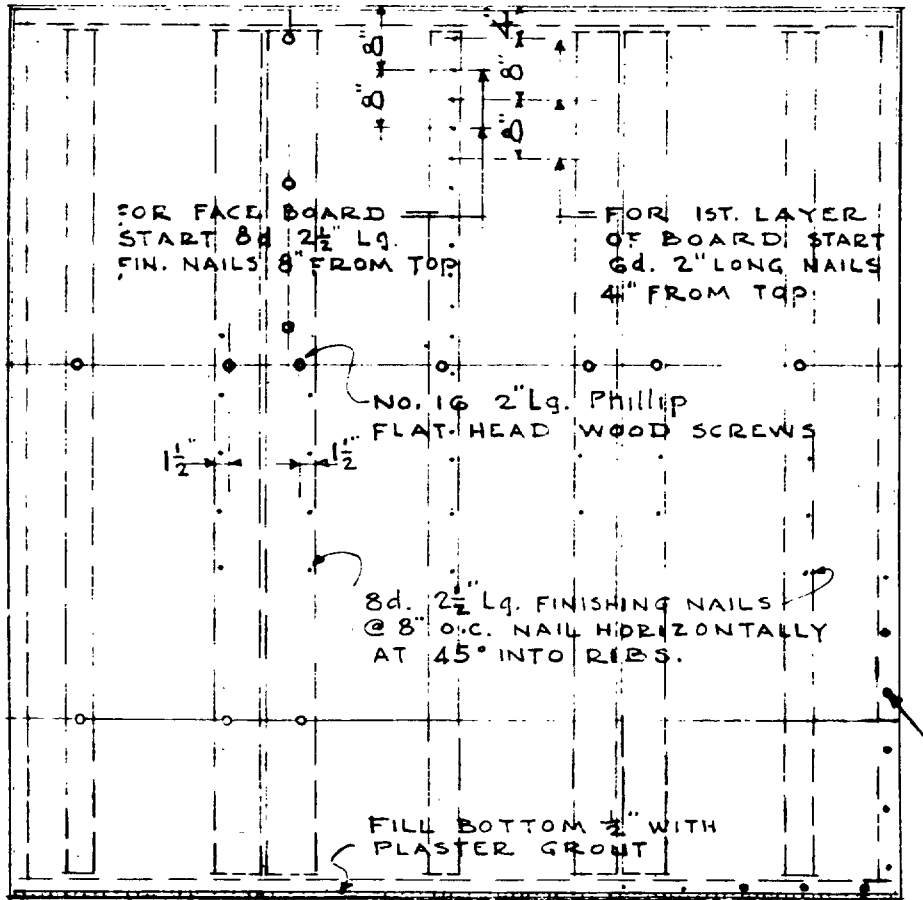
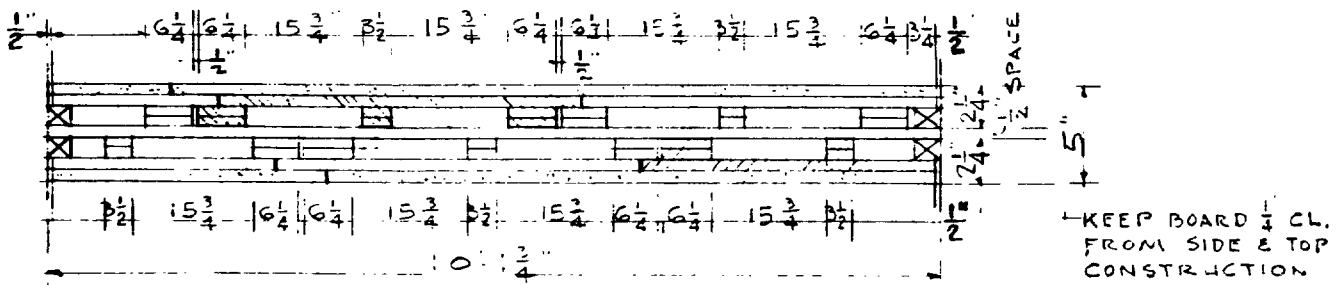
CLASS C-3 DESIGNS
DESIGN NO.5 - 3HR. (NON-BEARING WALL)

TWO WOOD RUNNERS - 1 X 1-5/8 IN. YELLOW PINE, SPACED 1/2 IN. APART USED ON SILL LINTEL AND SIDES, FASTENED TO CONCRETE OR MASONRY WITH 1/4 IN. BOLTS 3 IN. LONG AND EXPANSION SHIELDS OR 3-1/2 IN. MASONRY NAILS SPACED 16 TO 20 IN. O.C.



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8d - 2 $\frac{1}{2}''$ LG. NAILS WITH $\frac{1}{4}''$ HEADS
8" O.C. AT PERIMETER OF PANEL.

5d - 1 $\frac{5}{8}''$ LG. NAILS WITH $\frac{1}{4}''$ HEADS
8" O.C. AT PERIMETER OF PANEL.

BESTWALL GYPSUM CO.
RESEARCH LABORATORY, PAOLI, PA.
BESTWALL HUMMER SYSTEM "B"
MODIFIED WITH TWO LAYER
APPLICATION ON EACH SIDE
NON LOAD BEARING PARTITION

5-16, 57
3-22, 57

FIG. 3
R 2717-22

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