

PLAINTIFF'S EXHIBIT

GP-1059

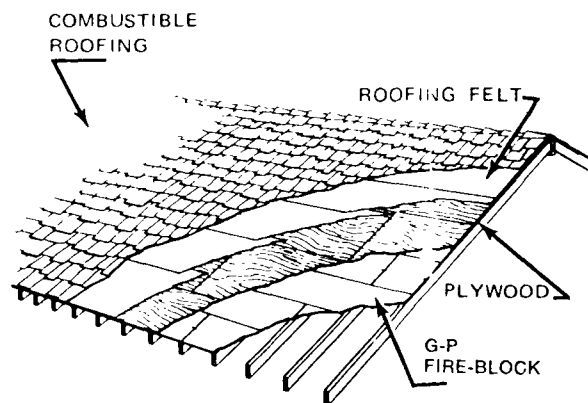
Being updated

12/2/71

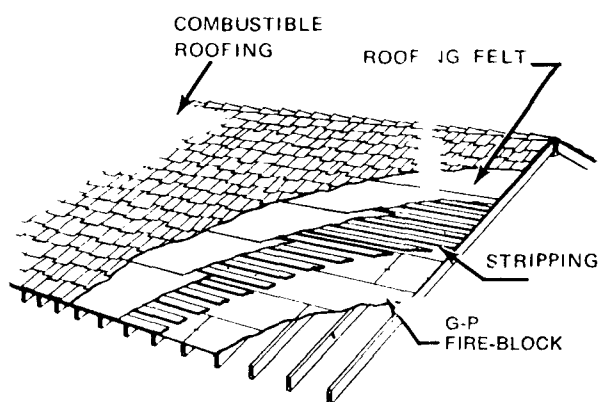
SGP 0025963



GEORGIA-PACIFIC
Fire-Block
Gypsumboard



**Plywood Sheathed Roof
over G-P Fire-Block Gypsumboard**



**Strip Sheathed Roof
over G-P Fire-Block Gypsumboard**

Fire-Block Gypsumboard has been developed for application under roof coverings to act as a "Block" against fire. Its main purpose is to stop fire from burning through the roof covering and into the building. It will also contain the spread of fire which starts in the attic area of a building. Full scale fire tests have proven Fire-Block to be very effective in containing roof surface and attic fires. Tests conducted at the University of California prove that Fire-Block provides maximum protection from exterior originated roof fires. It is recommended for use in both residential and commercial construction.

PRODUCT USE:

It is used on roof rafters, under either strip sheathing or plywood sheathing. It is suitable under wood shakes or shingles, or other types of roof coverings.

ADVANTAGES:

1. Tests show fires take over one hour to burn through to attic when Fire-Block Gypsumboard is used under the roof covering.
2. Low cost roof protection.
3. Easily installed, cuts and nails like regular gypsum wallboard.
4. Protects roof against wind blown fire brands.
5. Can be used in attached garages to prevent garage fires from spreading to attic space over living area.
6. Can protect house from fires originating in attic.

PRODUCT DATA:

Thickness— $\frac{1}{2}$ "

Size—2'x8'

Edge—Square

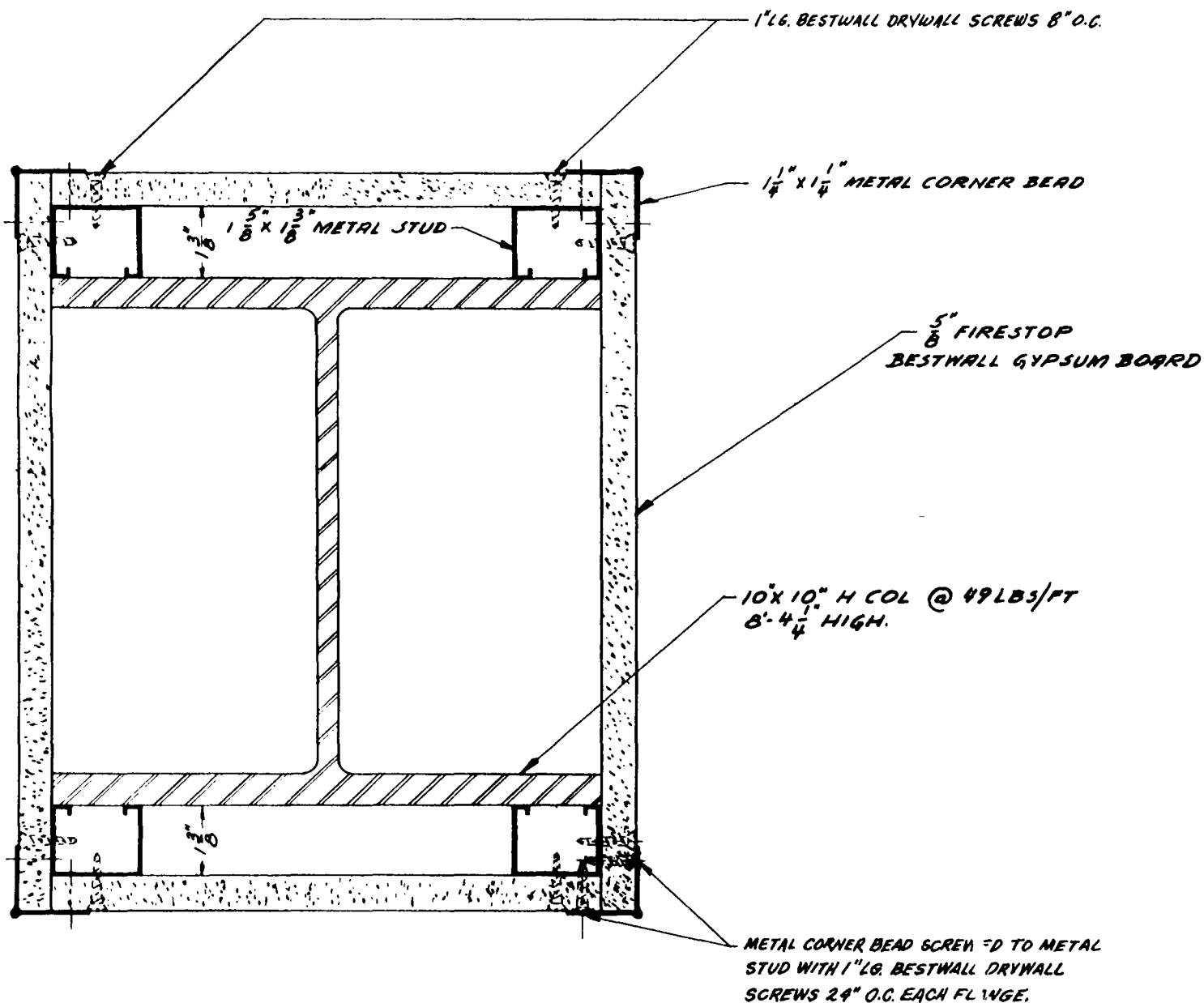
Core—Special fire resistant core with gray paper on both sides.

APPLICATION:

Nail directly to rafters. Long edge should be laid across rafters, which can be spaced up to 24 inches on center. Ends of board must be on framing members. Use regular gypsum wallboard or 4d common nails. Solid or spaced roof sheathing is to be applied over Fire-Block, nailing through the Fire-Block. Use nails $\frac{1}{2}$ " longer than usual. *Caution:* Walk on rafter supported part of roof, not on unsupported gypsumboard.

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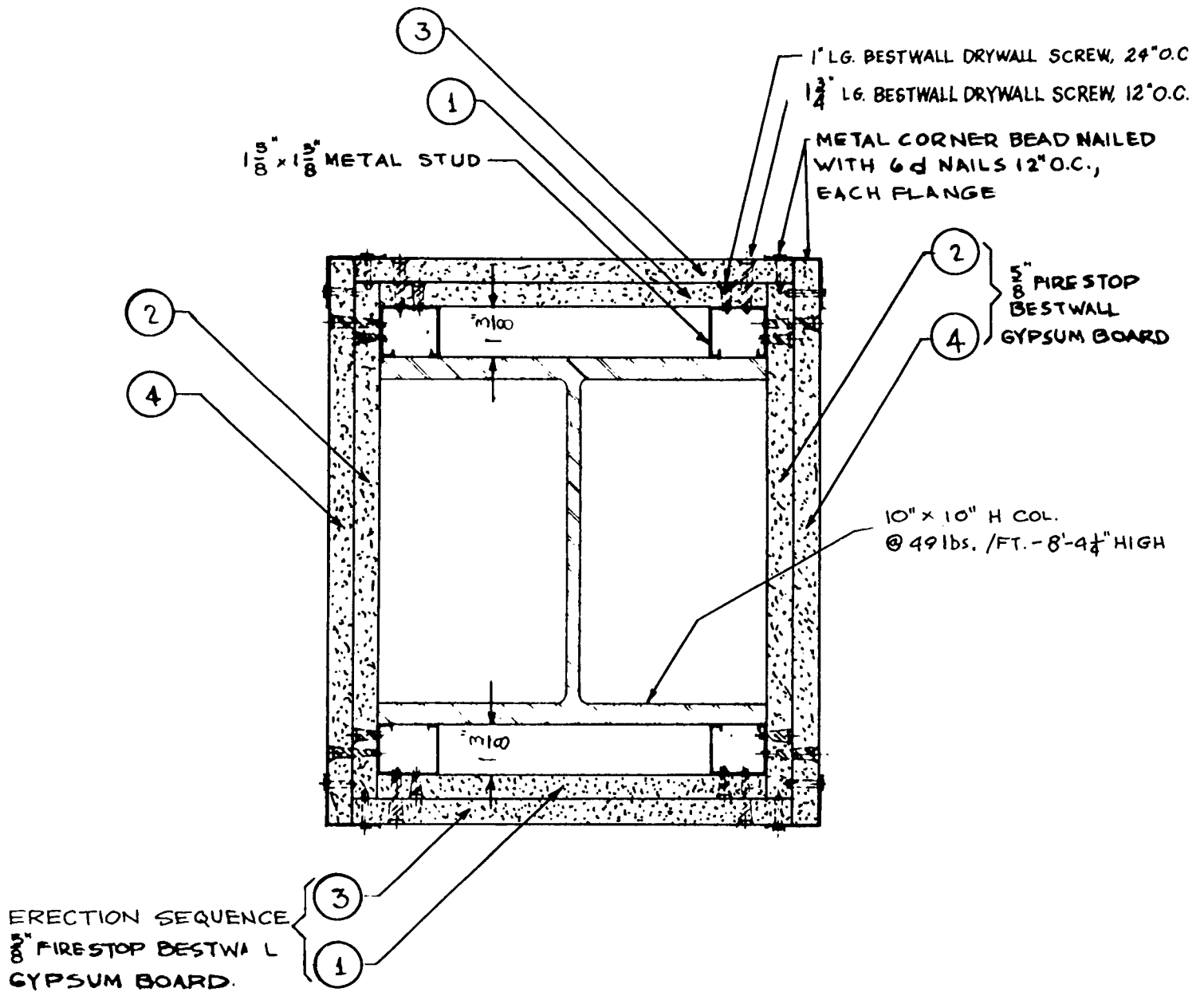
FB-16-6/70-5



ESTIMATED - 1HR.

SECTION THRU FIREPROOFING COLUMN
APPROVED UNDER I.C.B.O. REPORT No. 1993.1

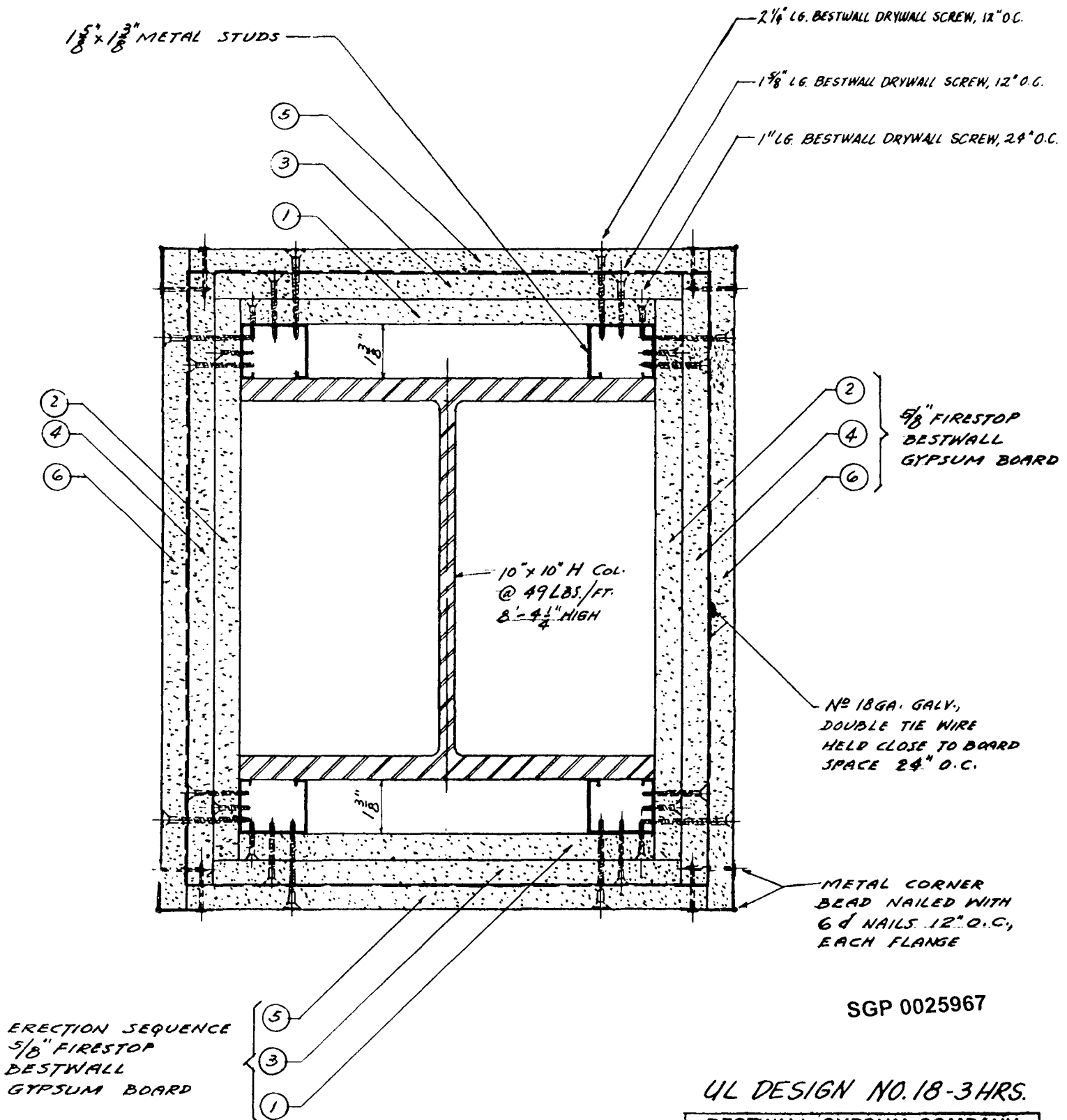
 GEORGIA-PACIFIC CORP. BESTWALL GYPSUM DIV. PAOLI, PENNA. 19301			
5/8" FIRESTOP BESTWALL GYPSUM BOARD, SINGLE LAYER FIREPROOFING ENCLOSURE ON STEEL COLUMN			
SCALE:	2" = 12"		DWG No. T-120
DRAWN	48	4-17-64	
CHECKED			
APPROVED			



SECTION THRU FIREPROOFING & COL.
SCALE 3" = 12"

UL DESIGN NO. 8 - 2 HRS.

GP GEORGIA-PACIFIC GYPSUM DIVISION COMMONWEALTH BLDG., PORTLAND, ORE. 97204			
5/8 FIRE STOP BESTWALL GYPSUM BOARD FIREPROOFING ENCASMENT ON STEEL COLUMN			
DATE: 2-3-64		SCALE: AS NOTED	
DRN. BY H.K.K.	CHKD BY	DWG. NO. T-118	SHEET NO 1 OF 1



SECTION THRU FIREPROOFING & COLUMN

SCALE: 6" = 1'-0"

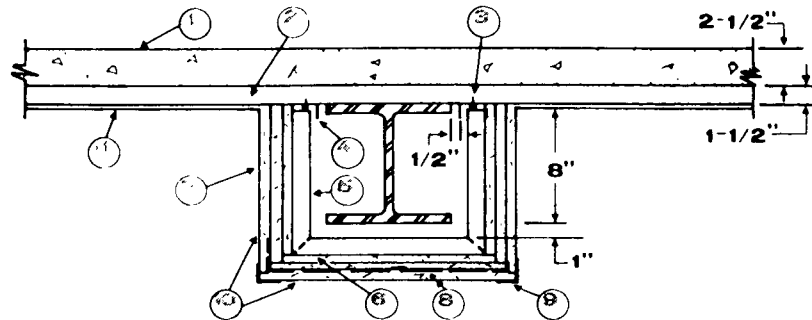
UL DESIGN NO. 18-3 HRS.

BESTWALL GYPSUM COMPANY ENGINEERING DEPT.			
5/8" FIRESTOP BESTWALL GYPSUM BOARD FIREPROOFING ENCASEMENT ON STEEL COLUMN			
DATE: 11-5-63	SCALE: 6" = 1'-0"		
DMN. BY: J.R.M.	CHK'D. BY:	DWG. No. 7-114	SHEET NO. 1 of 1



STEEL BEAMS PROTECTED WITH GYPSUM WALLBOARD

U.L. DESIGN NO. 214 — 3 HR. (BEAM ONLY)†



†When used with floor and ceiling similar to that shown having at least a 2-hr. classification.

Description of Numbered Items

1. Sand-Gravel Concrete.
2. Steel Floor Units—Welded to beam.
3. Drill Screw—No. 8-18 by 1/2 in. long Phillips panhead drill screws, self-drilling and tapping, made of case-hardened steel.
4. Runner Channel—Fabricated from No. 25 gauge galvanized steel, 1 1/8 in. deep with 1-in. legs. Fastened to steel deck with drill screws, 12 in. o.c.
5. Angle—Same material as runner channel or No. 24 gauge galvanized steel angle with 1 and 2-in. legs, and fastened to runner channels with drill screws (Item 3). Brackets spaced 24 in. o.c.
6. Steel Angle—No. 24 gauge galvanized steel with 1 and 2-in. legs, fastened to brackets with drill screws (Item 3).
7. Gypsum Wallboard—5/8 in. thick, listed by Und. Lab., Inc. (Building Materials List). Inner layer fastened with 1-in. long, 0.150-in diameter screws and spaced 16 in. o.c. Middle layer attached with 1 3/8-in. long, 0.150-in. diameter screws spaced 12 in. o.c. Outer layer attached with 2 1/4-in. long, 0.150-in. diameter screws spaced 8 in. o.c. At least one screw at mid-depth of brackets in each layer. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.
8. Mesh—No. 20 SWG hexagonal mesh with No. 20 SWG longitudinal stiffener at third points of 3-ft. wide roll. Installed on bottom, bent up approximately 1 1/2 in. on each side, and secured to sides with same screws used to hold middle layer of wallboard.
9. Corner Bead—Fabricated from No. 20 gauge galvanized steel to form an angle with 1 1/4-in. legs. Legs perforated with 1/4 in. diameter holes approx. 1 in. o.c. Attached to wallboard with 4 d nails approx. 12 in. o.c. in both legs.
10. Paper Tape—1/32 in. thick on bottom and sides of wallboard from corner beads and feathered out. Paper tape imbedded in joint compound over joints with edges of compound feathered out.



GEORGIA-PACIFIC / GYPSUM DIVISION