PLAINTIFF'S EXHIBIT
USG-897

GENERAL APPLICATION DETAILS
SPECIFIC APPLICATION DETAILS
PRODUCT DATA

USG

ASBESTOS CEMENT SIDING

No. 400 Vertical
No. 500 Filler Strips
No. 600 Wavy Butt
No. 600-A Wavy Butt
No. 700 Thatch Butt

GP041 2040

GENERAL APPLICATION DETAILS

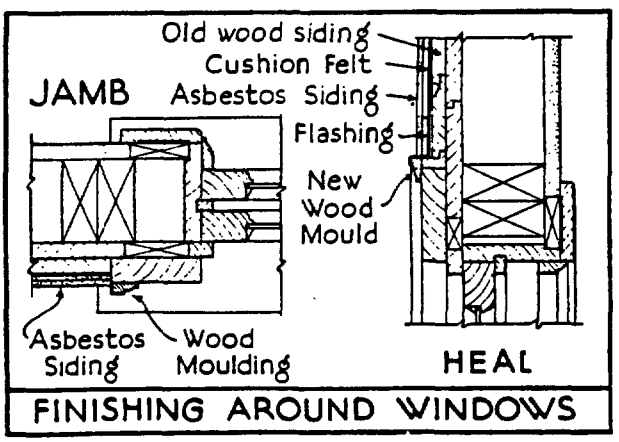
USG Asbestos Cement Siding

Preparation of Walls

To obtain a satisfactory, finished appearance the wall on which USG Asbestos Cement Siding Shingles are to be applied must be conditioned to form a smooth uniform surface. All warped and irregular boards must be firmly nailed before bevel stripping is applied. To provide maximum insulation against heat and cold and to provide a suitable even surface upon which to apply USG Asbestos Cement Siding Shingles, the wall should be covered with USG Cushion Felt. Bevel stripping may be omitted if USG Cushion Felt is used.

Moulding

Finish frames with wood mold to cover exposed edges of the siding shingles. Lintels should be flashed with copper. See detail No. 31.



No. 31

Outside and Inside Corners

Shingles should be carefully butted against new or old corner boards, or metal corner beads may be used. Use metal flashing, see detail No. 32 & 33.

Caulking

All door and window frames should be adequately caulked with USG Asbestos Caulking Cement applied with a pressure gun.

Cutting and Punching

When USG Asbestos Cement Siding Shingles are to be cut, it is recommended that the shingle be scored along the line to be cut. This can be accomplished by using a corner of a hatchet blade or any other sharp instrument, drawing it across the line until a deep score is made, using a straight edge to guide the instrument. Then by placing the shingle with the scored line over a straight edge, strike the overhanging part several sharp blows with a mallet or hand, and the shingle will easily break along the scored line.

When the shingles are to be fitted over a circular or angular shape, punch a succession of holes with a pointed nail punch along the line to be cut.

If additional nail holes are required, they can be punched with nail punch or else drilled with a hand drill.

Where a large amount of cutting and punching is required we recommend the use of an Asbestos Shingle Cutter.

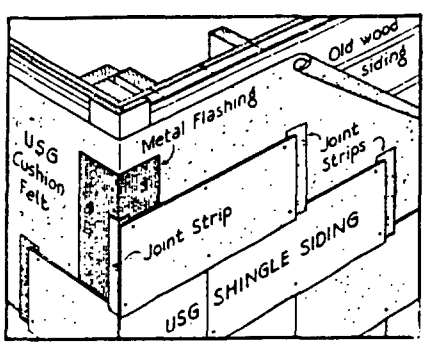
Handling

USG Asbestos Cement Siding Shingles should be handled carefully and kept in a dry place. Shingles on the job should be stacked on edge, at least four inches from the ground, not more than four tiers high, and kept dry with suitable covering.

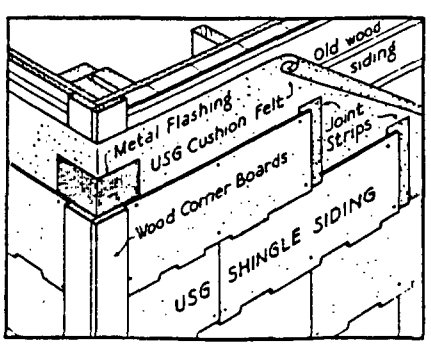
Over Gypsum Board Sheathing

When applying asbestos shingles over gypsum board sheathing, such as USG Gyplap* or USG Insulating Gyplap, horizontal wood nailing strips must be placed over the sheathing, spacing them according to the size of the shingle and the length it is laid to the weather. See detail No. 34.

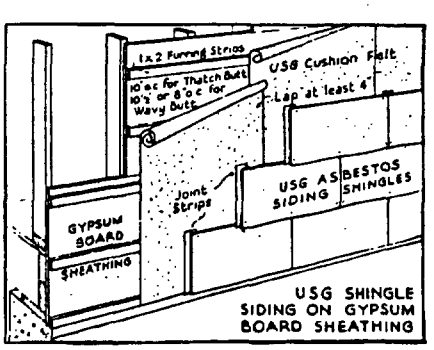
*Reg. Trade Mark.



No. 32



No. 33



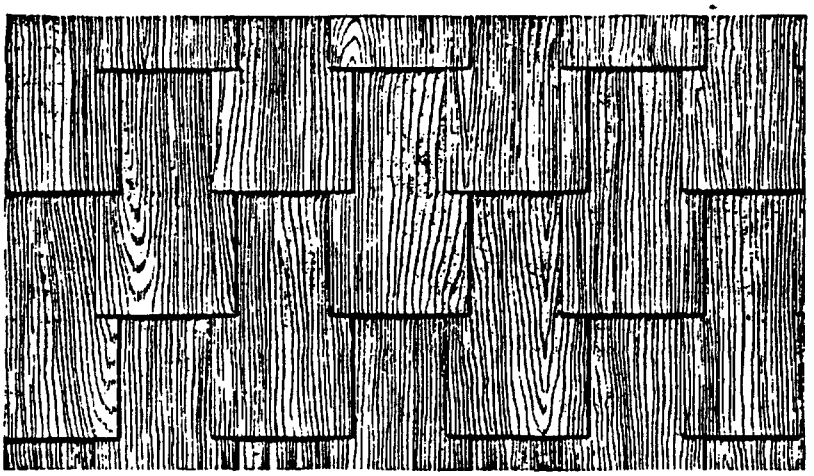
No. 34

GP041 2041

PRODUCT DATA

USG Asbestos Cement Siding

NO. 400 VERTICAL SIDING



DESCRIPTION

USG Vertical Siding provides one of the most economical and lasting of fireproof coverings for exterior walls. Wide spacing of the shingle units conserves material and reduces application costs. The long, narrow design of these shingles gives the appearance of height to one-story buildings and materially increases their charm.

Space Fillers

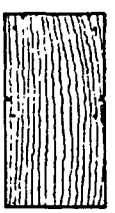
Small strips that fit the space between the siding shingles and under the overlaying shingle may be used to provide additional protection from weather. They may also be applied one inch below the butt of the overlaying shingle, thus providing another design with but one type of shingle, a design that accents the staggered effect of which so many home owners approve.

Looks Like Wood

The textured surface of USG Vertical Siding is a perfect reproduction of wood grain, and each shingle contains some of the characteristics of this natural grain—a knot in one, a swirl in another, and in all many varieties of the lines with which aged wood is so beautifully endowed.

SPECIFICATIONS

No. 400—VERTICAL SIDING



Wood Grain Texture. Uniform thickness

Colors: Gray, Green, Brown and White

Size: 9"x 18"x 5/32"

Exposure: At butt 9"x 8". At top 6"x 8"

Head Lap: 2". Sidelap: 1½"

Number per square: 120

Number per bundle: 30

Approximate weight per square: 225 lb.

Nails: 11½ gauge—1 lb. of 1¼" per square.

No. 500—SPACE FILLERS



Wood Grain Texture. Uniform Thickness

Colors: Same as No. 400

Size: 4"x 6"x 5/32"

Pieces per square: 120

Pieces per bundle: 30

Approx. weight per square: 35 lbs.

Nails: 11½ gauge—1 lb., 1¼" per square.

GP041 2042

APPLICATION DETAILS

USG Asbestos Cement Siding

NO. 400 VERTICAL SIDING

USG Vertical Asbestos Cement Shingles are self-aligning, having holes and notches spaced for proper application. Shingles may be applied from either left or right.

First Course

Apply 1/4"x 1" cant strip along the bottom of the side wall to insure a straight starting course.

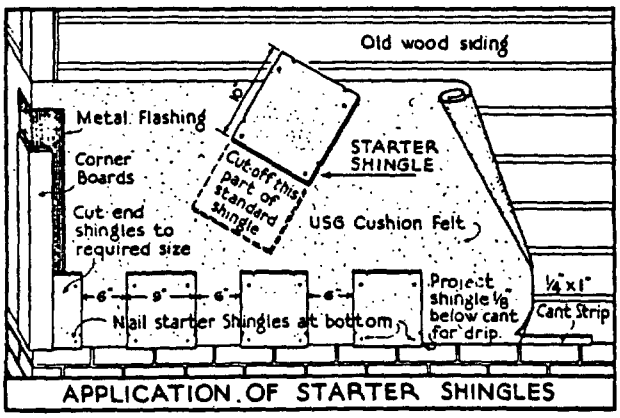
Cut full size shingles to dimension and apply upper 10" section to provide one-eighth (1/8) inch overhang at butt to form a drip edge. Nail securely in lower nail holes. Proceed with application of cut shingles, spacing units six (6) inches apart and securely nail, see detail No. 47.

Second and Succeeding Courses

Apply a full size shingle to overlap the sides of each starter shingle one and one-half (1 1/2) inches and nail securely through both the top and underlying shingle in nail holes provided. See detail No. 48. Proceed with application of full-sized shingles in a similar manner, see detail No. 49. At the end of each course shingle must be cut to fit and new holes punched to correspond to holes punched in the shingle at factory. Note that small notches in the shingle provide for rapid and accurate alignment of nail holes.

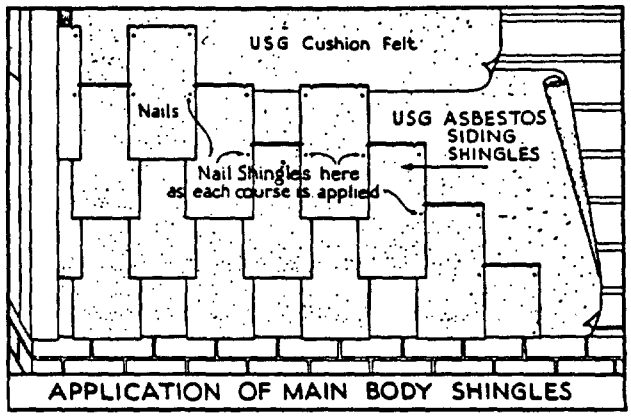
FILLER STRIPS

Filler strips may be used in conjunction with Vertical Siding Shingles to provide additional staggered effect. Fillers are used between spaces of shingles and may be applied flush with the butt of the overlaying shingle or exposed one (1) inch lower than the butt of the overlaying shingle, see detail No. 50.



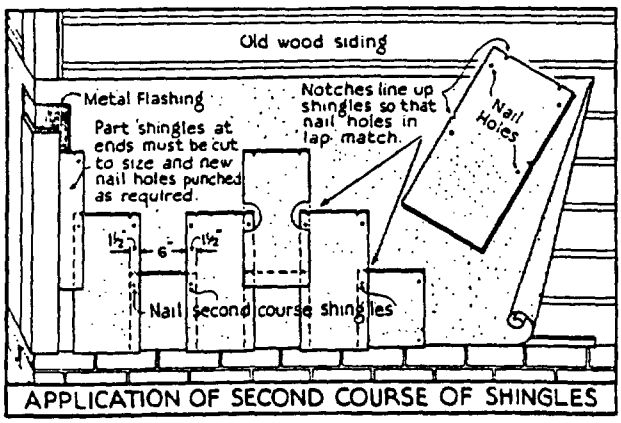
APPLICATION OF STARTER SHINGLES

No. 47



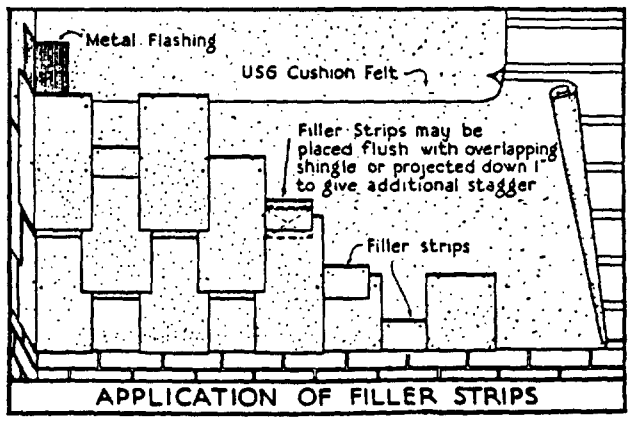
APPLICATION OF MAIN BODY SHINGLES

No. 49



APPLICATION OF SECOND COURSE OF SHINGLES

No. 48



APPLICATION OF FILLER STRIPS

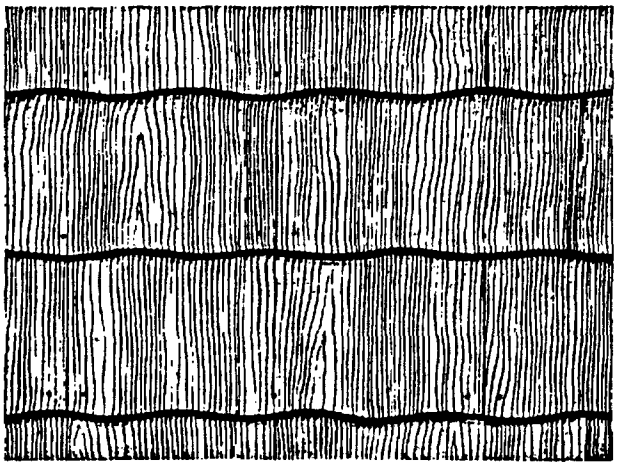
No. 50

GP041 2043

PRODUCT DATA

USG Asbestos Cement Siding

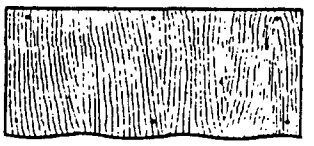
NO. 600 AND 600-A WAVY BUTT
NO. 700 THATCH BUTT



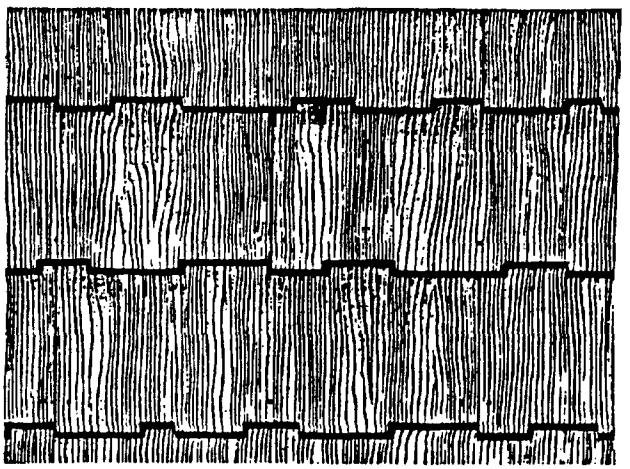
USG Wavy Butt Siding provides an attractive economical, and permanent solution to the problem of maintaining and restoring exterior wall appearance. The deep, wavy horizontal lines and wood grain texture of these shingles have all the appearance of wide wood siding strips so suitable to the Colonial style of architecture. Available in two sizes that can be applied with equal satisfaction on new or old homes.

SPECIFICATIONS

No. 600—WAVY BUTT SIDING



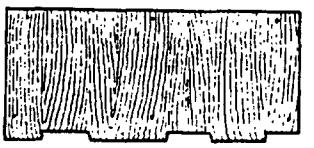
Wood Grain Texture, uniform thickness.
Colors: Gray, Green, Brown, White
Size: 12"x 27"x 5/32"
Exposure: 10½"x 27"
Overlap: 1½" maximum—1⅛" minimum
Number per square: 51
Number per bundle: 17
Approximate weight per square: 190 lb.
Face Nails: 13½ gauge, 1¾" long, flat head, coated alloy Anchor Shank nails furnished.
Concealed Nails: 11½ gauge—¾ lb.—1¼" per square, not furnished
Accessories—51 Joint strips—3"x 12" Asphalt Joint strips per square, furnished
Note: USG White Surfaced Asphalt Felt can be furnished at additional cost



USG Thatch Butt Siding is large in size and therefore economical to apply. The staggered butts, however, give the impression of random width individual shingles. The wood texture of these imperishable, fireproof shingles adds new charm to sidewalls. These shingles require no maintenance and give lasting protection from weather, vermin, rot, and fire.

SPECIFICATIONS

No. 700—THATCH BUTT SIDING



Wood Grain Texture, uniform thickness
Colors: Gray, Green, Brown, White.
Size: 12"x 27"x 5/32"
Exposure: 10"
Overlap 2" maximum—1¼" minimum
Number per square: 54
Number per bundle: 18
Approximate weight per square: 195 lb.
Face Nails: 13½ gauge, 1¾" long, flat head, coated alloy Anchor Shank nails furnished.
Concealed nails: 11½ gauge—¾ lb.—1¼" per square, not furnished
Accessories: 54 pieces, 3"x 12" Asphalt Joint Strips per square, furnished

No. 600-A—WAVY BUTT SIDING

Wood Grain Texture, uniform thickness
Colors: Gray, Green, Brown, White
Size: 9½"x 27"x 5/32"
Exposure: 8"x 27"
Overlap: 1½" maximum—1⅛" minimum
Number per square: 66 Number per bundle: 22
Approximate weight per square: 195 lb.

Face Nails: 13½ gauge, 1¾" long, flat head, coated alloy Anchor Shank nails furnished.
Concealed nails: 11½ gauge—1 lb. 1¼" per square not furnished
Accessories—66 pieces 3"x 9½" Asphalt Joint Strips per square, furnished

GP041 2044

APPLICATION DETAILS

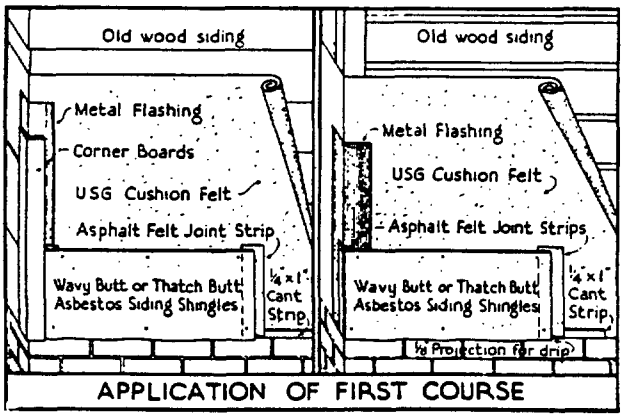
USG Asbestos Cement Siding

NO. 600 AND 600-A WAVY BUTT AND NO. 700 THATCH BUTT

The following application details cover Wavy Butt and Thatch Butt Shingles, both types of siding being applied in the same manner.

First Course

Apply a 1/4"x 1" cant strip along the bottom of the wall to insure a straight starting course. Apply a joint strip folded vertically at the corner, see detail 51. Start application with a full-size shingle, extending the butt 1/8" below the cant strip to form a drip edge. Secure the shingle by nailing the first

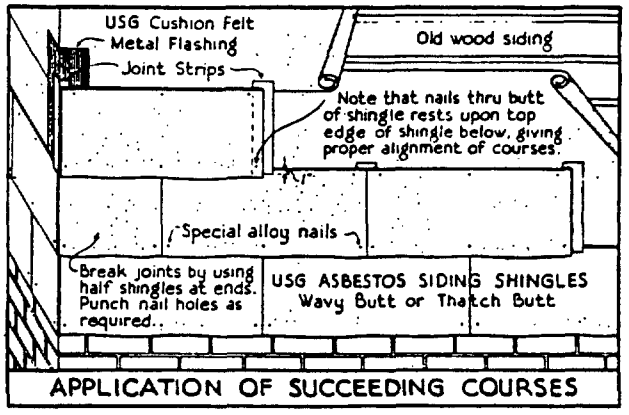


No. 51

and middle galvanized nails at the head of the shingle. Before nailing at the opposite end insert a joint strip beneath the shingle so that the strip centers under the vertical joint of the shingle and the adjacent shingle. Securely nail the third galvanized nail in the shingle and continue application of subsequent shingles in a similar manner to the end of the course. Butts of shingles to be secured with Special Alloy Nails driven through holes provided. Nail snugly but do not drive nails tight.

Second and Succeeding Courses

Apply a folded joint strip at the corner as in the first course providing a one (1) inch lap over first course shingle, see detail 52. Cut a full size shingle to provide for staggered joint application and punch new nail holes in head and butt of shingle at same dimension as factory nail hole punching. Shingles can be aligned for proper exposure by inserting two nails in holes at the butt of the shingle allowing the inserted nails to rest upon the top of the underlying shingle. Upper nails are then secured with joint strip inserted at vertical joint as before described. Joint strip to overlap underlying



No. 52

shingle one (1) inch. Continue application with full size shingles, butted closely together. Complete succeeding courses as described, breaking vertical joints in alternating courses.

Caution: Use only Special Alloy Nails, furnished with shingles for face nailing the butts of the shingles.

Two methods of finishing corner joints are used in the application of USG Wavy Butt and Thatch Butt Asbestos Cement Siding. Wood corner boards may be used, or shingles may be butted together at the corners, alternating position of joints in each row to provide a woven effect. See detail No. 51.

A formed metal flashing strip is recommended for outside and inside corners to provide a true corner and additional weather protection. See details No. 51 and 52.

GP041 2045