

July 10, 1964

Mr. R. L. Donahue
Sr. Project Engineer
Fire Protection Dept.
Underwriters' Laboratories, Inc.
P.O. Box 247
Northbrook, Illinois

Dear Mr. Donahue:

Enclosed are twenty (20) copies of the drawing with specifications and application instruction sheet pertaining to our class A shingle.

At this time, no decision has been made as to a name for this product, so consequently there is no name designation on the drawings.

We felt it was more important to get this material to you as soon as possible, rather than withhold it until the product name was available. In the meantime, we shall have to designate it as "Bird Class A Shingle."

Sincerely yours,

BUILDING MATERIALS DIVISION

Caryl E. Hinds
Product Development Chemist

CEH/nt

BIRD & SON, inc. EAST WALPOLE, MASS.

E-216 FK

DRAWN BY *J. Caspers*

ENGINEERING DIVISION

TRACED BY

MILL *FK-*

ASSEM.

CHECKED *C. HINDS*

BUILDING

MAT LIST.

PAT. CDS.

MACHINE

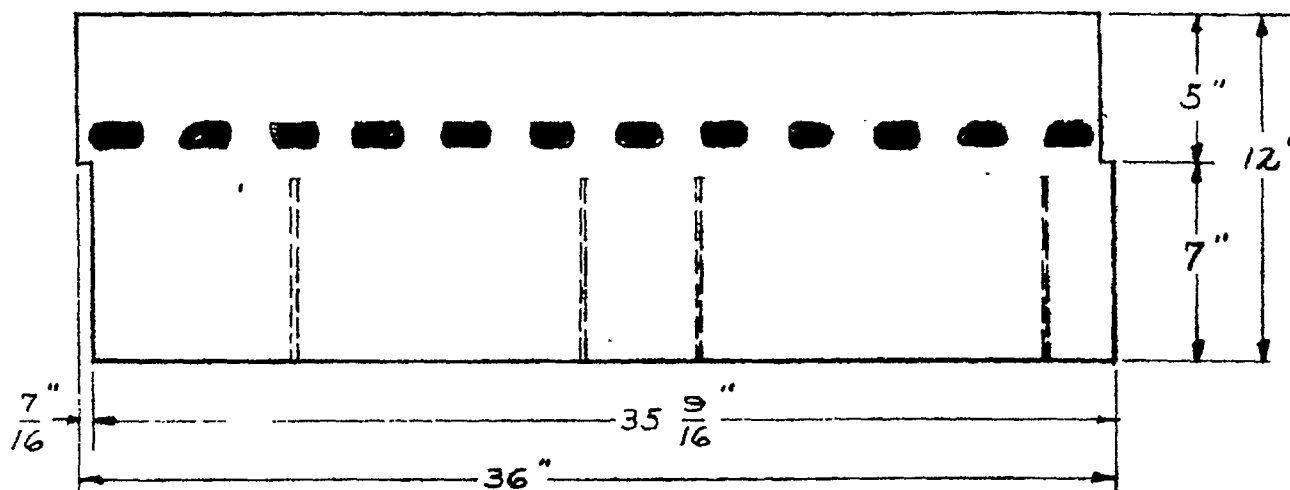
INDEXED

SECTION OF MACHINE

SCALE *2"=1'-0"*

NAME OF PART

DATE *7-8-64*



SPECIFICATIONS

Area per Square: 240.003 sq. ft. net

Shingles per Square: 81

Exposure: 5"

Net Wt. per Square: 300 lbs., min.

Wt. of Exposed Tab per 100 sq. ft.: 125 lbs., min.

Wt. of Surfacing Material: Min. 35% of Total Wt.

Felt Weight (B.D.): 11.0 lbs. per 100 sq. ft.

Stabilizer in Coating: min. 47%, including fiber

Entire shingle is double coated and double surfaced. 3 to 5 cold embossed vertical lines, each approximately $6\frac{1}{2}$ " long and approximately $3/32$ " wide, located at random in exposed portion of shingle and extending from lower edge.

11 to 13 dashes of adhesive per shingle.

Dashes are approximately $1\frac{1}{4}$ " long and are on approximately 3" centers.

Dashes are located within a 2" band above embossed vertical lines.

Anti-Stick medium is to be located on the back of the shingle in a band of sufficient width to inhibit sticking in the bundles.

INSTRUCTIONS FOR APPLYING

Follow these instructions:

Manufacturer not responsible for improper application.

1. These shingles may be used on decks having 2" or more slope per foot. On roof slopes less than 4" per foot, but not less than 2" per foot, an underlay of two layers of BIRD No. 15 Asphalt Felt shall be installed in accordance with the Recommended Specifications of the Asphalt Roofing Industry Bureau. On slopes greater than 4" per foot use BIRD No. 15 Asphalt Felt laid horizontally and lapped 2" beneath shingles laid directly on roof boards.
2. Deck must be smooth, dry, clean and capable of holding nails. Use dry, well-seasoned roof boards.
3. Bird Vinyl Roof Edge, or drip edges of wood or non-corrodible metals, when used, should extend at least $\frac{3}{8}$ " over edge of decks.
4. Valleys should be of the closed or woven type as shown in the sketch.
5. Starter Course-Cut tabs on line 5" from bottom edge. Apply remaining strip with adhesive dots at bottom. Fasten securely along rakes and eaves.
6. Nails $10\frac{1}{2}$ to 12 gauge roofing nails having head at least $\frac{3}{8}$ " in diameter.
Over new work — $1\frac{1}{4}$ "
Over old asphalt shingles — $1\frac{1}{2}$ "
Over old wood shingles — $1\frac{3}{4}$ "
7. Hips and Ridges — use shingles cut in thirds. Lay away from prevailing wind, cover nails, and expose not over 5".

