

39068

MEMORANDUM

In Reply to _____ Date 3/23/71 From BBH To BBH- Mr. Adams
BE- Mr. Fuller
Subject ARCHITECT 70 SHINGLE: STAPLES & WIND SEAL FEATURE

Drawings and specification sheet of the Architect 70 shingle were prepared to show the suggested position of the Wind Seal dots and the suggested position of the three corrosion resistant steel staples. Sketches of Component #1 and Component #2 leaving the shingle cutter are included for the roofing plants located at Shreveport, La., and Wilmington, Calif.

Information on the size and amount of galvanized steel wire that is suggested to be used in manufacturing the shingle is as follows:

Width of Wire	0.103 inch
Thickness of Wire	0.020 inch
Length of Wire/unit weight of wire	146-148 ft./lb.
Length of each staple	1-3/8" $\pm 1/8"$
Total length of wire/square	27.5 ft./sq.
Total weight of wire/square	0.2 lb./sq.

Interlake Inc., Chicago, Illinois quoted Mr. Church (BPK) verbal estimates of the cost of the wire delivered to Shreveport, La., and to Wilmington, Calif. In 2,000 lb. lots or more, the wire costs \$21.84/cwt., at Shreveport and \$22.87/cwt., at Wilmington. Then the cost of the wire per square is \$0.044 at Shreveport and \$0.046 at Wilmington. Detailed information concerning the special equipment needed to apply the three staples per shingle is available from Central Engineering.

Clifford J. Patenaude
CJPatenaude/rp
Attach.

BIRD ARCHITECT® 70 SHINGLE

SPECIFICATIONS

- Architect® 70 Shingles:
1. Area per square - Approx. 244 sq. ft.
 2. Dimensions -
 - a) overall width 12-1/4"
 - b) overall length 36-7/16"
 3. Shingles per square - 80
 4. Exposure - 5"
 5. Headlap - 2"
 6. Description - A random edge, uniform thickness, back unit is combined to the rear of the butt portion of a front unit. The two units when combined together make the Architect® 70 Shingle.

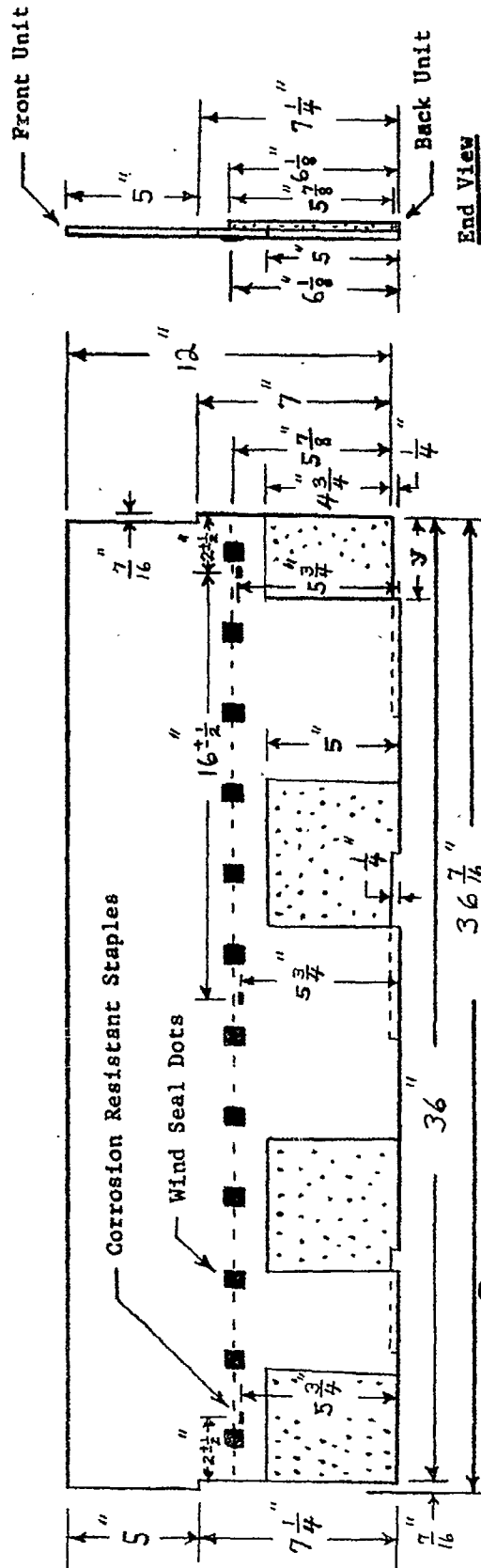
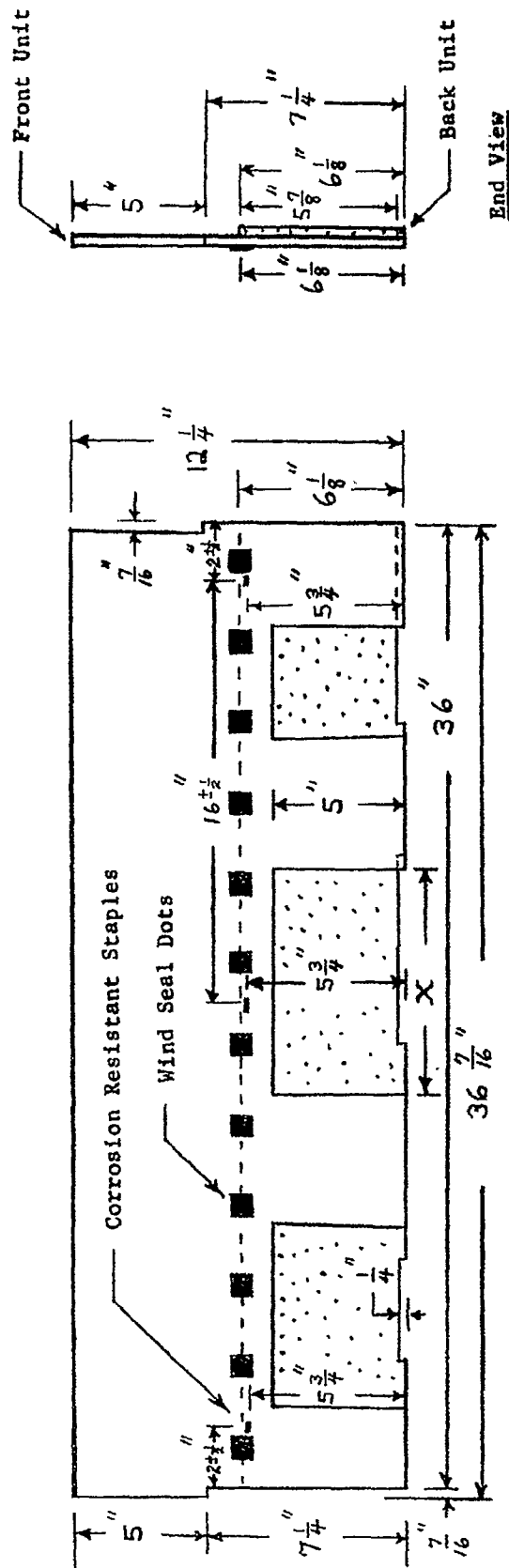
-
- | Front Unit
or
Component #1 | area |
|-------------------------------------|--|
| 1. Construction | - A uniform thickness strip with cut-out sections removed in exposed |
| 2. Dimensions | - a) overall width 12-1/4"
b) exposed length 36" with 7/16" self-aligning notches |
| 3. Size of cut-out sections removed | - cut-outs vary from (y) 2-1/2" x 5" to (x) 8-1/2" x 5" |
| 4. Area per square | - 195 sq. ft. |

-
- | Back Unit
or
Component #2 | |
|---------------------------------|--|
| 1. Construction | - A uniform thickness strip with a random edge |
| 2. Dimensions | - a) width varies from 5-7/8" to 6-1/8"
b) length 36" |
| 3. Area per square | - 120 sq. ft. |

3/22/71

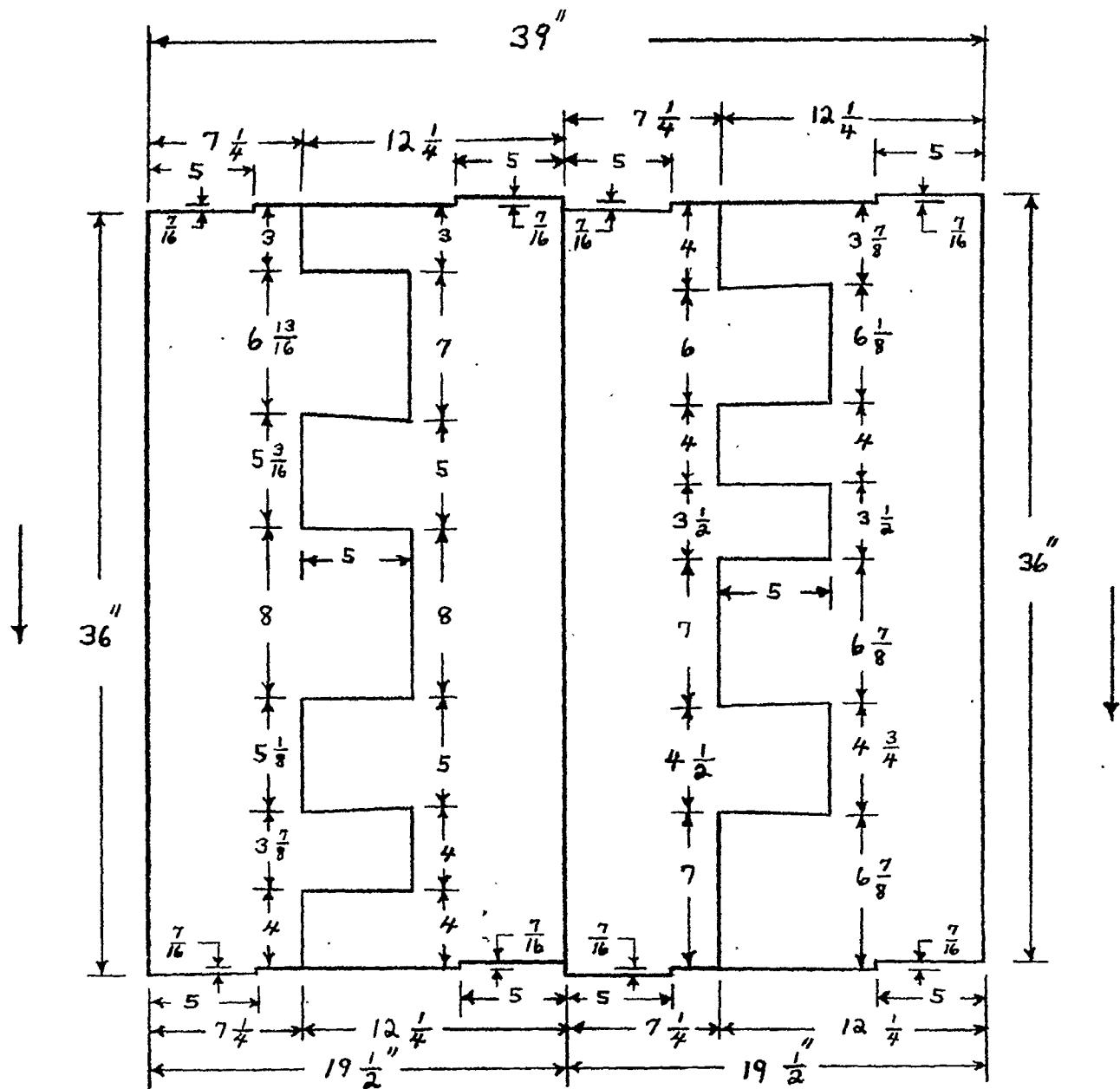
BIRD ARCHITECT 70 SHINGLE

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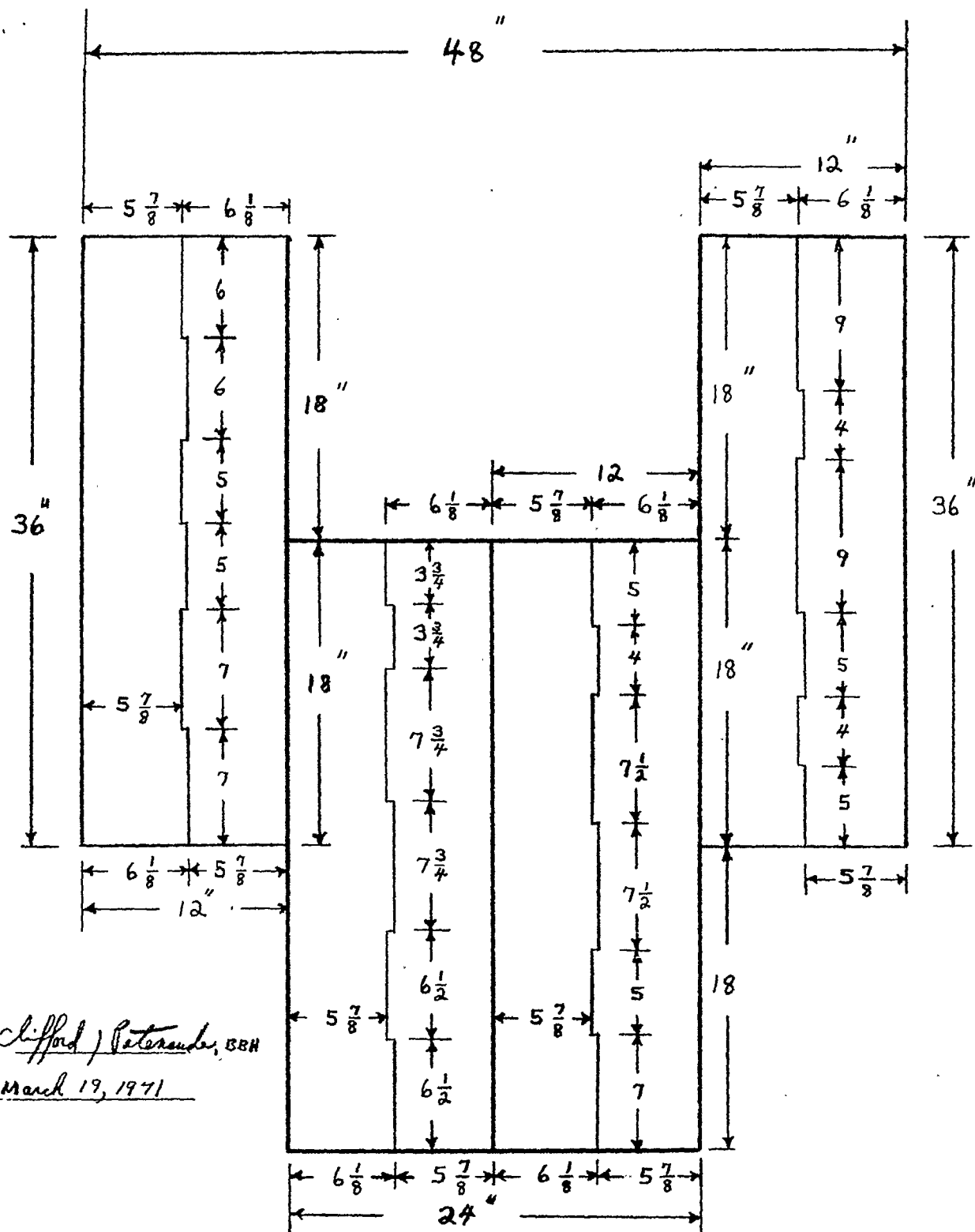
The Architect 70 Shingle varies in design within the limits established by the schematic drawings and specification sheet.

Scale: Not to scale
Tolerance: $\pm 1/8$ inch



Cifford Patterson, BBH
March 19, 1971

COMPONENT #1 OF ARCHITECT 70 SHINGLE AS IT
 LEAVES THE SHINGLE CUTTER — — — WILMINGTON, CALIF.



COMPONENT #2 OF ARCHITECT 70 SHINGLE AS IT
LEAVES THE SHINGLE CUTTER --- WILMINGTON, CALIF.