

PHILIP

Carey

file attention
THE PHILIP CAREY MFG. COMPANY

CINCINNATI, OHIO 45215 AREA CODE 513 821-3000 • BUILDING MATERIALS INDUSTRIAL PRODUCTS

CABLE ADDRESS "PHILCAYCO"

April 30, 1964

RECEIVED
STRUCTURAL SECTION

MAY 4 1964

Mr. Richard Barker
Engineering Dept.
Reynolds Metal Co.
6601 W. Broad Street
Richmond, Virginia

BY _____
ENGINEERING DIVISION

Dear Mr. Barker:

This will confirm the information I gave you on long distance telephone today when you questioned the use of 4.2 Corrugated Asbestos on roof spans greater than the maximum published by our company and all other manufacturers of corrugated asbestos.

You stated you had an existing job on which the spans were 4'10" and were interested in covering it with corrugated asbestos.

I am personally familiar with jobs on which corrugated has performed very satisfactorily on roof spans even greater than a 4'10" that you have in your building, however, as manufacturers we will not recommend using the materials beyond the spans published nor would we knowingly furnish materials for use on spans above our published limitations unless we have a letter from the user acknowledging the fact that they are taking all responsibility and will assume any liabilities in doing so. The letter should further state that they would absolve our company of all responsibility for the performance of the corrugated asbestos since the material is being used contrary to our published recommendations.

All manufacturers have maintained a maximum ~~portion~~ spacing of 4'6" since corrugated-asbestos is not a shock-resistant material, and while the materials could carry the safe loads with a very good safety factor on longer spans, it is not possible to measure shock and in order to assure satisfactory performance of corrugated asbestos it was thought best to retain all spans to 4'6" maximum.

SEE



PRODUCTS
IN THE
"WORLD'S
FAIR
HOUSE"

Roof

con't...

**PLAINTIFF'S
EXHIBIT**

RMC-447

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RMC0083289

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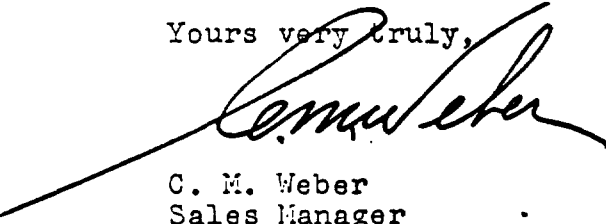
If the materials are used beyond that published limitation and an accident should occur, there is some question as to whether or not the liability insurance coverage would remain effective in case of an accident. There would be quite a bit of embarrassment involved to whoever specified the use of the material beyond the published recommendations and the responsibility would be pointed at the party who recommended its use, the organization using it, and even the manufacturer that supplied the materials, etc.

Under those circumstances, the Philip Carey Manufacturing Company would definitely recommend that the existing purlins be relocated to be within the requirements of the recommended limits for 4.2 Corrugated Asbestos.

As an alternate suggestion, should there be some reason why these purlins cannot be relocated, it may be more advantageous to consider adding intermediate members to cut the spans in half - namely 2'5" - in which case it would then be practical to use our light-weight 3/16" corrugated asbestos, provided none of the spans would then be over 2'6", as 2'6" is the maximum spacing recommended for that product.

Ordinarily, light-weight corrugated is not used in industrial construction since it is not economically sound to anticipate location of steel purlins on 2'6" spacings and girts for sidewall use on 3'6" spacings. It may, however, in this case, prove practical to consider it if it would not be possible to relocate ~~and~~ add a few extra purlins to make the current job meet the 4'0" maximum spacings.

Yours very truly,



C. M. Weber
Sales Manager
4.2 Careystone

CMW/kah

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