

# LOUISIANA ARCHITECT

AUGUST

1965

OFFICIAL PUBLICATION OF THE  
LOUISIANA ARCHITECTS ASSOCIATION

AMERICAN INSTITUTE  
OF ARCHITECTS  
AUG 3 0 1965  
LIBRARY



# NOISE

JUST DOESN'T CUT THROUGH

## ***High absorption . . . . low transmission***

Sound control . . . a major problem to be considered in any structure where noise is a big factor. The lightweight aggregate in block by Louisiana Concrete Products, Inc., provides the necessary traps to diffuse sound waves, and thus reduce the noise level within a room. In addition, the high density of the block itself forms a natural barrier to keep noise transmission from one room to another extremely low.

"SOUND" construction is yours with block by Louisiana Concrete. Just another reason why more and more new office buildings, nursing homes, apartments, motels, hospitals, industrial plants, schools, structures of all types designed to hold people, are going up today—in record time—from plans which specify concrete block.

LOUISIANA **CONCRETE** PRODUCTS  
INC.

BATON ROUGE, LOUISIANA  
4747 Choctaw Drive

NEW ORLEANS, LOUISIANA  
5401 France Road

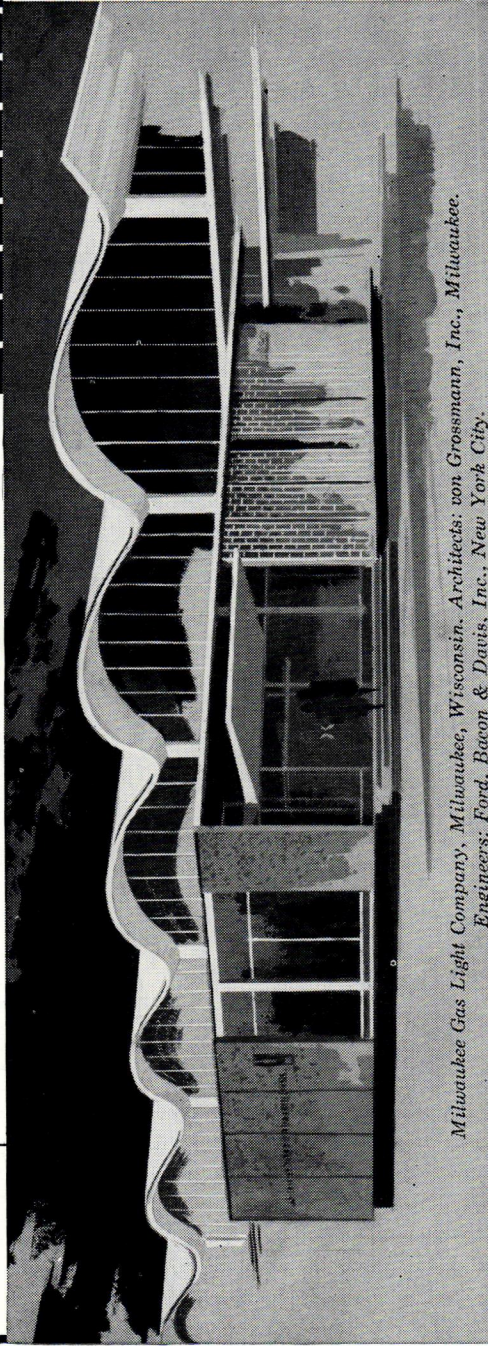
PORT ALLEN, LOUISIANA  
Louisiana Highway 1

LACRETE, INC.  
LAKE CHARLES, LOUISIANA  
2101 Common St.

# NO. 10 long barrel shells

a.i.a. file: 4-a

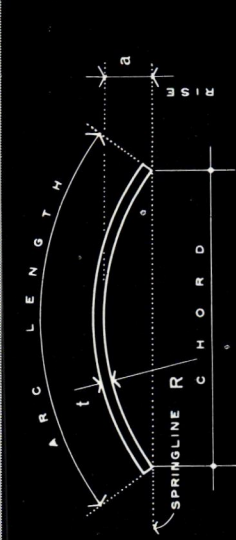
Prepared as a service to architects by Portland Cement Association  
Clip along dotted line



Milwaukee Gas Light Company, Milwaukee, Wisconsin. Architects: von Grossmann, Inc., Milwaukee. Engineers: Ford, Bacon & Davis, Inc., New York City.

**Intriguing designs and long spans** are readily achieved with concrete barrel shells. Long barrel shells are those which have a small chord compared to span. (Short barrels have large chords compared to span.)

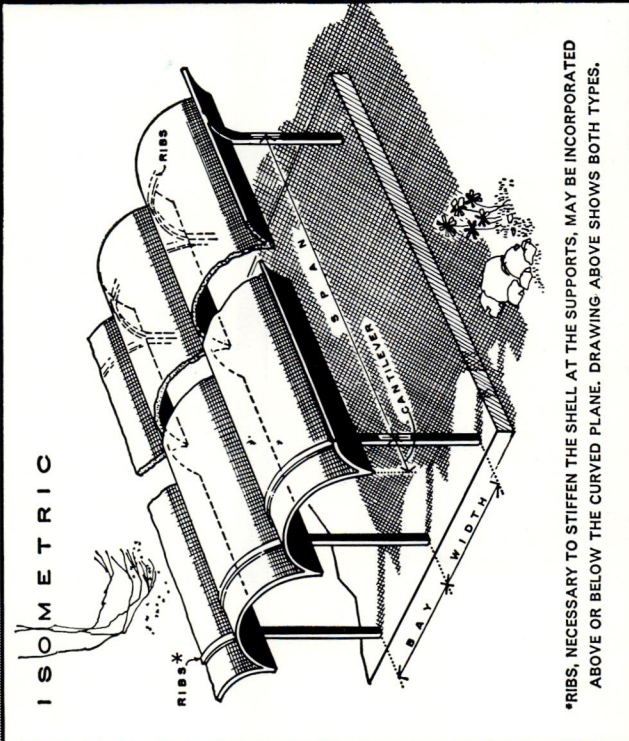
To achieve full shell action (a membrane free of bending moments), support is required along the two curved edges as well as along the straight edges, as shown in the diagram below. In practice, however, the straight edges are never fully restrained so that



BARREL SHELLS / SPAN DATA <sup>(1)</sup>

SPAN	BAY WIDTH	a	R	t	reinforcing <sup>(2)</sup>
80'	30'	8'	25'	3"	3.5
100'	30'	10'	30'	3"	4.0
120'	35'	12'	30'	3"	4.5
140'	40'	14'	35'	3"	5.0
160'	45'	16'	35'	3 1/2"	6.5

(1) for long-span multiple barrels, the usual span-to-depth ratio varies from 1:10 to 1:15  
(2) pounds per square foot of projected area



some small bending moments in the shell must be considered in the design. The stiffeners along the curved edges usually consist of arch-type ribs or diaphragms spanning between the supporting columns. Cantilevers are easily achieved; thus the visible shell edge can be as thin as the basic shell. Write for further free information. (U.S. and Canada only.)

## PORTLAND CEMENT ASSOCIATION

A national organization to improve and extend the uses of concrete

611 Gravier Street, New Orleans, Louisiana 70130

# LOUISIANA ARCHITECT

OFFICIAL JOURNAL OF THE LOUISIANA ARCHITECTS ASSN.

Vol. IV

No. 10

THE LOUISIANA ARCHITECT, Official Journal of the Louisiana Architects Association of the American Institute of Architects, is owned by the Louisiana Architects Association, not for profit, and is published monthly, Suite 200, Capitol House Hotel, Baton Rouge, La., telephone 348-4331. Editorial contributions are welcomed but publication cannot be guaranteed. Opinions expressed by contributors are not necessarily those of the Editor or the Louisiana Architects Association. Editorial material may be freely reprinted by other official AIA publications, provided full credit is given to the author and to the LOUISIANA ARCHITECT for prior use.

... Advertisements of products, materials and services adaptable for use in Louisiana are welcome, but mention of names or use of illustrations of such materials and products in either editorial or advertising columns does not constitute endorsement by the Louisiana Architects Association. Advertising material must conform to standards of this publication, and the right is reserved to reject such material because of arrangement, copy, or illustrations.

Printed by Franklin Press, Inc.

Editorial Advisors—W. J. Evans, W. R. Brockway, John L. Webb

Editor—Myron Tassin

Publisher—Louisiana Architects Association

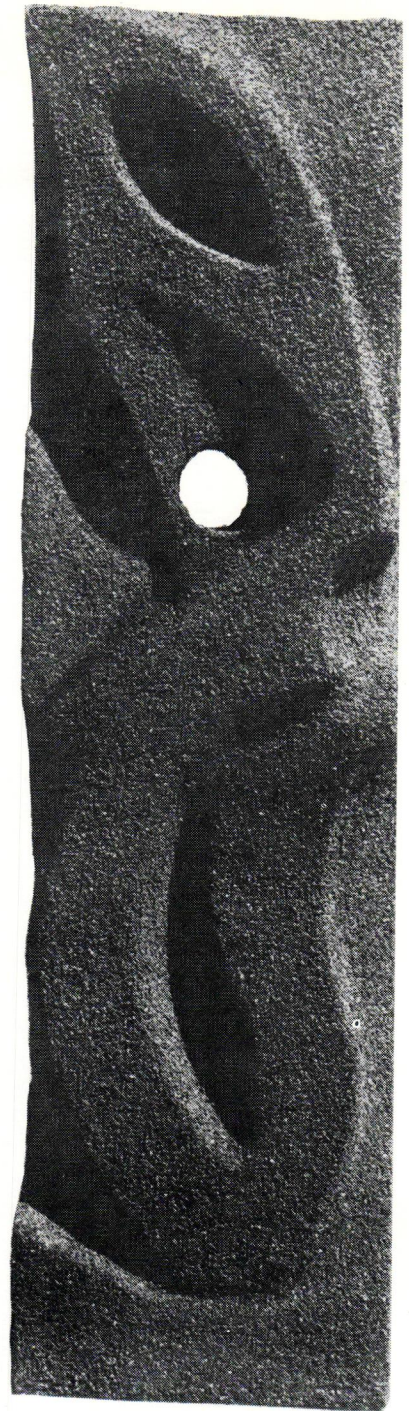
Consulting Art Director — John H. Schaeffer.

## LAA OFFICERS AND BOARD

David L. Perkins, President • Clifford C. Lasseigne, Vice President • Robert E. Middleton, Vice President • G. Ross Murrell, Secretary-Treasurer — Directors: Paul B. Ritter, Max J. Heinberg, Sam Hamilton, Hugh G. Parker, Jr., Harding Flair, Frank N. Brocato, Sidney J. Folse, Jr., P. Murff O'Neal, William R. Brockway, George M. Leake, Milton H. Finger, Jr., James H. Gibert, Ernest E. Verges, Murvan M. Maxwell, Immediate Past President • • Myron Tassin, Executive Director

## New Horizons in Architectural Sculpture

For centuries sculpture was created from wood, stone, and related materials. In the past few years, however, vibrant new products have appeared that have stimulated the creative processes. An example of this is the monolithic sculpture "Contemplation" pictured at the right. The sculpture has a polyurethane core with an epoxy coating and a finish of chipped granite. It was designed and carved by John H. Schaeffer and commissioned by Grant-Lehr Corporation. The epoxy coating and granite surface of the sculpture was executed by Grant-Lehr personnel. The significance of this type of sculpture in architecture would be its permanence, lightness, rapidity of execution and reasonable cost.



Dave Gleason

## In This Issue

From the Governor's Office .....	5
State Residents Seeking Better Design .....	7
Resolution .....	8
Operation Big Gripe .....	10
Topping Out Time .....	11
First Impressions .....	12
Word from Ramada Inn .....	13
News, Notes, Zip Coders .....	14