

# THE MUSEUM OF MODERN ART

11 WEST 53 STREET, NEW YORK 19, N. Y.

TELEPHONE: CIRCLE 5-8900

## OCTET TRUSS SPACE FRAME

Designed and patented by Buckminster Fuller.

Use: This is a demonstration structure designed and erected for the exhibition at the Museum of Modern Art, opening September 22, 1959.

Contributed by Aluminium Limited.

Applications: Airport hangers, shopping centers, sports arenas, or any large scale structure requiring enormous clear spans. Principle can be applied to roofs of various shapes including domes, and to horizontal floors and platforms.

Dimensions of Exhibition Structure:

Length:	100 feet
Width:	35 feet
Height:	24 feet
Top Surface area:	3,500 square feet
Weight:	8,800 pounds
Cantilever:	approximately 60 feet in one direction, 40 in other.

Material: 2,380 aluminum alloy tubes with aluminum casting insert ends. Tubes are 2 inches in diameter and approximately three thirty seconds of an inch thick.

Tube with casting weighs 3.7 pounds.

Alloy made by Aluminium Limited known as Alcan B51-S.

Gold anodized.

Definition of name: Fuller calls this an "Octet Truss" because it consists of an arrangement of octahedrons (eight-sided figures) and tetrahedrons (four-sided pyramids).