



the upper 3 floors. The block square base, 31 feet in height, will contain heated parking for 700 cars, a restaurant, commissary, coffee shop, and health club. The base utilizes waffle slabs for superimposed loads up to 400 psf., while the tower is of flat-plate floor construction stabilized against wind loads by a triangular core containing elevators and other vertical mechanical facilities.

Electrically heated and air conditioned, Lake Point Tower will be sheathed by a curtain wall of bronze colored glass and aluminum. The top level of the base structure will be transformed into a 2 acre private park containing an outdoor swimming pool and lagoon.

Thirty-four thousand cubic yards of structural lightweight concrete were used in the tower's 8 inch flat-plate floors and 14 inch deep waffle slabs of the base structure garage area. The span is 24 by 18 and 21 ft. in the 3500 psi. flat-plate floor-slabs, and 36 by 36 ft. in the base waffle slabs.

Because of the enormous reduction in dead weight, structural lightweight concrete floor slabs were the major key to the most economical design possible.

Developers — Hartnett-Shaw & Assoc., Chicago and New York. Fluor Properties, Inc., Los Angeles, Calif.
Architect — Schipporeit-Heinrich, Inc., Chicago
Assoc. architect — Graham, Anderson, Probst & White, Inc., Chicago
Structural engineer — William Schmidt & Assoc., Chicago
General contractor — Crane Construction Co., Inc., Chicago
Materialite structural lightweight concrete supplied by Material Service, a division of General Dynamics Corporation, Chicago

Chicago's Lake Front Tower Topples World Height Record

RISING to a record-breaking height of 70 stories on Chicago's lakefront is Lake Point Tower. When topped-out this fall, it will be the world's tallest reinforced concrete structure at 645 ft., supplanting the current record-holder, 1000 Lake Shore Plaza, also a structural lightweight concrete building, located less than a mile away. (See Vol. 11, No. 3 of CONCRETE FACTS).

The hi-rise apartment "triform" — or three-winged tower — soars from a two-story base structure and adds still another touch of drama to Lake Michigan's exciting skyline. When completed, it will provide 900 efficiency, 1, 2 and 3 bedroom apartments ranging in size from 670 to 1650 sq. ft. Larger penthouse apartments are on

