

Young

RADIO CORPORATION OF AMERICA
RCA LABORATORIES
David Sarnoff Research Center
PRINCETON, N. J.



April 16, 1962

H.A. E.
Feb

Mr. Herb S. Ellis
Paddock Pool Builders, Inc.
P.O. Box 5101
Albany 5, New York

Dear Mr. Ellis,

Your drawing dated April 4 for the pool in Van Hornsville appears to conform with our discussion of the various points. There are some small changes I would like to make subject, of course, to your expert advice.

My main problem has been to provide at this time a track system which can later on carry a rolling roof. I have assumed that the weight of the roof should be carried primarily by the pool beam. The construction and alignment of an additional system to carry tracks seems unjustified. Your proposal to roll it on the deck and guide by auxiliary rollers at the outer edge of the deck would work well with a four wheeled load, but I am doubtful about it in this case because the roof will probably have five wheels on each side and unavoidable misalignments between them would put great stress on the outriggers used for guiding.

I have tried a number of designs based ^{on} a track of aluminum alloy angle and have discarded them as being subject to distortion with thermal expansion, poor in appearance and costly.

A concrete step on each side of the pool would provide both a load bearing surface and a guide. I enclose a sketch dated 4/15/62 showing a design which seems to me practical and not too clumsy in appearance. It calls for some changes in the shape of the pool beam from your drawing of 4/5/62. The load on each wheel (12 inches diameter and 3 or 4 inches wide) would not exceed 1000 lbs. The sill would be blocked up in winter so snow load would be distributed. I would appreciate your taking a critical look at the sketch and giving me your advice.

The sketch shows the step only 4 inches back of the coping, too close for mounting standard ladders. Unless you have some other suggestions, ~~the ladders should therefore be mounted on the springboard end of the pool~~ at the corners (see "Paddock of California" page 3).

DATE AND TIME	<i>RE</i>			
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RECEIVED
APR 17 1962
PADDOCK POOL BLDGS, INC.

When you grade off for the pool, I hope you will cut far enough into the bank on the upper side to accomodate a 4 foot deck plus foundation for a retaining wall.

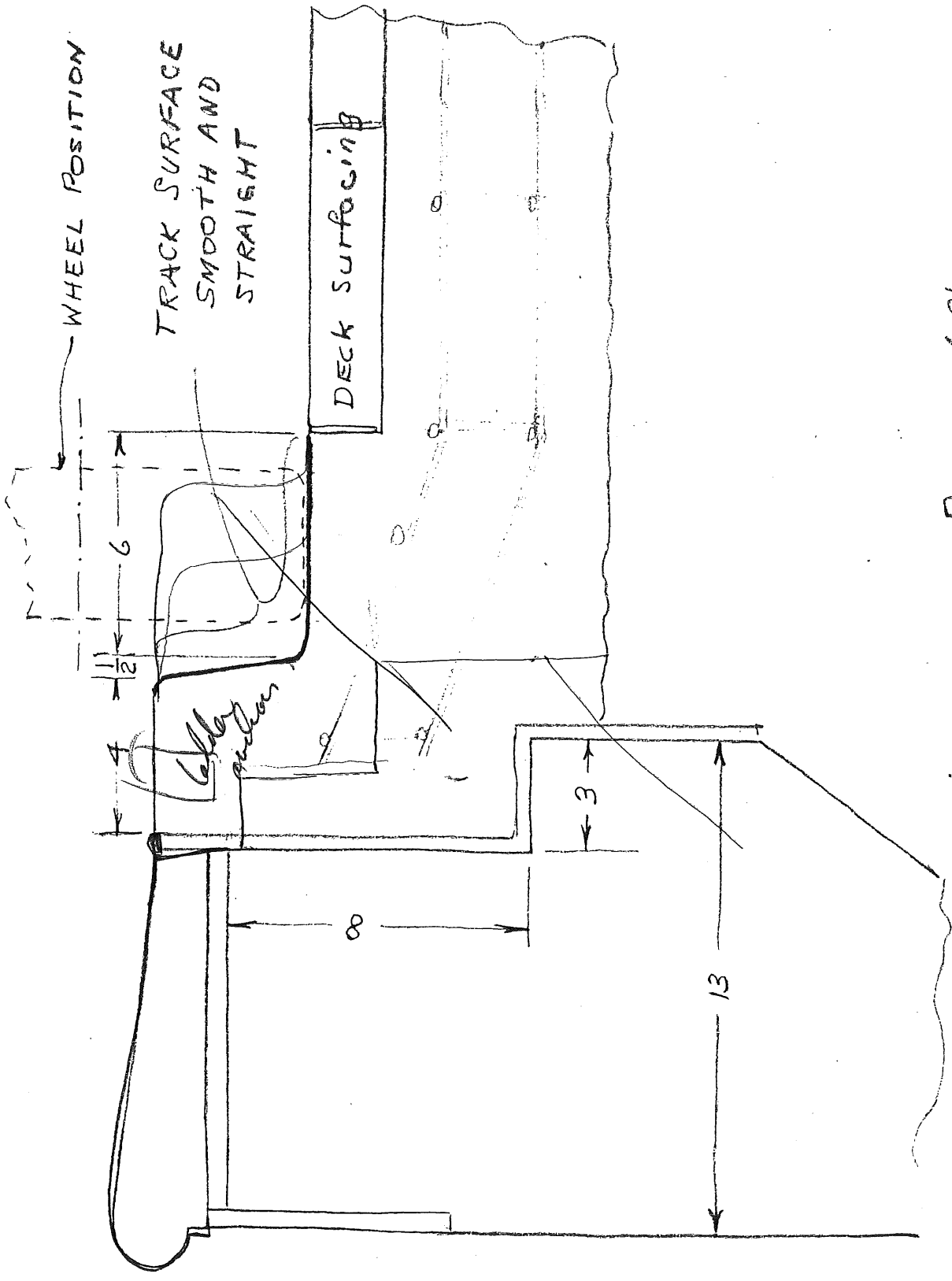
The landscaping plan would be better if the slab for the filter house was moved 5 feet east in a direction parallel to the long axis of the pool. Would this be practical?

My brother Richard is arranging this week for electrical power, 220 volts single phase. When will you need the water connection on the main? Richard will probably be away for a couple of weeks after Easter but I expect to be available.

Yours truly,


Charles J. Young

Encl.
CJY/cll



Proposed change
in beam - sides only.

Scale: 3" = 1'-0"

Charles Young
4-13-62