DESIGN GUIDE #PA-2: MODIFIED TOP OPENINGS FOR MWPS 71303 TANKS
(NOT CONFORMING TO 71303, SHT. 5/6)

I. OPENING SIZE:
For any opening dimension "D" GREATER THAN 5'
and LESS THAN 10' along any wall:

A. Add "beams" per
MWPS-TR3 Table 7
or 74303 Table 8.

OR

B. Keep opening > 24" from wall

II. ADDITIONAL REBARS:
A. Normal rebar spacing (Tables 2, 3, or 4)
should NOT BE GREATER THAN 12" or
LESS THAN 8", and

B. Add 4-#6 rebars between normal
rebars per 74303 (art. 5/6):
(as many as possible if
near a wall), and

C. Extra #6's length should extend
at least beyond the perpendicular
extra #6's (all "length" rebars,
normal and extra, are to be in one
layer above a single layer of
"width rebars"), and

D. Add 1-#5 (at least) diagonal at
each opening corner, except where
tank wall is one wide of the opening.
(This is a third layer above the length rebar layer.)

III. MULTIPLE OPENINGS:

A. Minimum offsets between any
two openings are shown at left.

B. If the space required for the
4 extra #6's is greater than
either offset, then the 4-#6
"width rebars" should extend
the full tank width, or as
long as possible.

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