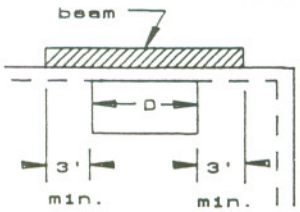
DESIGN GUIDE #PA-2: MODIFIED TOP OPENINGS FOR MWPS 74303 TANKS

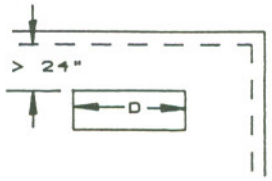
(NOT CONFORMING TO 74303, SHT. 5/6)

I. OPENING SIZE:

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



OR

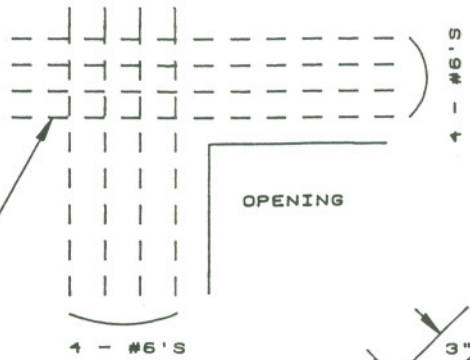


A. Add "beam" per MWPS-TR3 Table 7 or 74303 Table 8.

B. Keep opening > 24" from wall

and,

II. ADDITIONAL REBARS:

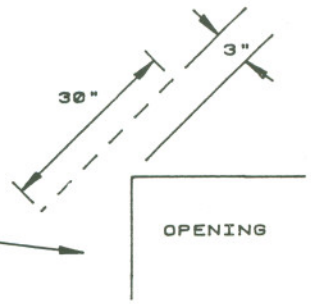


A. Normal rebar spacing (Tables 2, 3, or 4) should NOT BE GREATER THAN 12" or LESS THAN 8", and

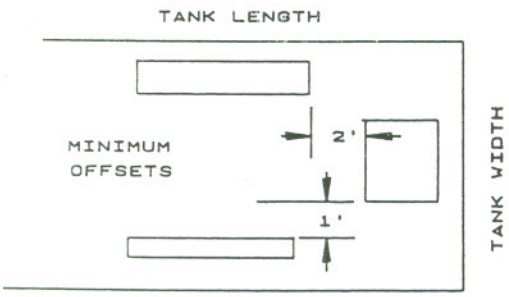
B. Add 4-#6 rebars between normal rebars per 74303 (sht. 5/6): (as many as possible if near a well), and

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 side of the opening. (This is a third layer above the length rebar layer.)

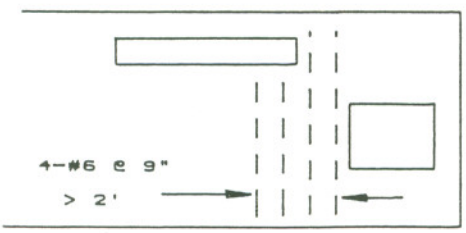


III. MULTIPLE OPENINGS:



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.



EXAMPLE

ADW 6/19/96