



RIVER ROAD BRIDGE
JPC #23475-015

REV SPACING OF LIFTERS
IS CHANGED FROM
6" TO 2", SEE 10

LIFTER DESIGN CALCULATIONS

WORK W/ CARRARA SHOP DWG'S

APPROACH SLAB

$f' = 5000 \text{ PSI}$ $f'_{ci} = 3500 \text{ PSI}$

COVERING WT $12.15^T = 24.30^k$

THERE ARE (4) LIFT POINTS

DESIGN LOAD/LIFT POINT = $24.30 / 4 = 6.08^k$

FROM ATTACHED PRODUCT LITERATURE

USE $8^T \times 6\frac{3}{4}^I$ S.L. SWL = 11200 LB, O.K.

PLACE @ APPROX $\frac{1}{5}$ POINT E.W.

WINDOW

$f' = 5000 \text{ PSI}$ $f'_{ci} = 3500 \text{ PSI}$

HEAVIEST WINDOW IS WW 4 = $15.86^T = 31.72^k$

PANEL IS STRIPPED VERTICALLY

DESIGN LOAD/LIFTER = $31.72 / 2 = 15.86^k$

THICKNESS OF PANEL IS 1-10"

FROM ATTACHED PRODUCT LITERATURE

USE $8^T \times 13\frac{3}{8}^I$ S.L. SWL 14,000 LB, O.K.

PLACE @ APPROX $\frac{1}{5}$ POINTS ACROSS PANEL

BUT CHECK BASED ON ATTACHED PCI LITERATURE, FIG 6.15.7A