

DETERMINE
STEEL COST.
STEEL = \$0.32/#
USE EXPERIENCE
RECOMMEN.
All TIES
IN PLACE

VERTICAL BARS (#5)

$60' / 12'' \text{ c/c} = 60 \text{ SPACES} \Rightarrow 61 \text{ BARS} \times 2 \text{ SIDES} \times 8.5' = 1037 \text{ LF}$

$38' / 12'' \text{ c/c} = 38 \text{ SPACES} \Rightarrow 39 \text{ BARS} \times 2 \text{ SIDES} \times 8.5' = 663 \text{ LF}$

W/O OFFSET

1700 LF
 $\times 1.093 \text{ \$/LF}$

#5'S = 1773 #

HORIZONTAL BARS (#4)

$11 \text{ BARS} \times [(2 \times 59.5') + (2 \times 39.5')] = 2178 \text{ LF}$

9 SPACES W/O OFFSET = 9 BARS
+ Top/Bottom BACK FACE

1455 #

CORNER BARS (#4)

$4 \text{ CORNERS} \times 9 \text{ BARS} \times 4' / \text{BAR} = 144 \text{ LF}$

$\times 0.668 \text{ \$/LF}$
96 #



Title <u>CONST. COST ESTIMATING</u> <u>CONC. FOUN. WALL QTO</u>		Sheet No. <u>11</u> of <u>11</u>
By <u>NK</u> <u>7/13/00</u>	Chk. <u>NK</u> <u>7/11/01</u>	Job No. <u>AMC-1200</u>

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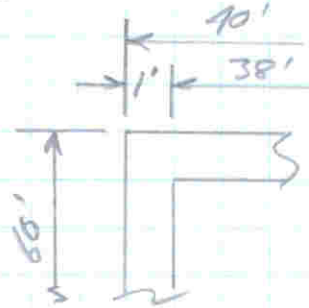
Find CONCRETE PLANT COST FOR 60' x 40' x 1' x 9'
FOUN. WALL, 4000 PSI CONC., HOISTING B₇ #21 11H
CAME INTO FORMS.

VOLUME OF CONCRETE

$$9' \times 1' \times 2(38' + 60') \frac{1}{2}$$

$$= 66 \text{ CY} + 5\% \text{ WASTE}$$

$$= 66 + 3 = 69 \text{ CY}$$



MATERIAL

$$69 \text{ CY} \times \$63/\text{CY} = \$4347$$

LABOR CAME W/ BUCKET INTO FORMS

$$\text{LABORER: } 69 \text{ CY} \times 0.5 \text{ Hrs/CY} \times \$18^{\underline{00}} \times 1.6 = \$1021$$

$$\text{OPERATOR: } 69 \text{ CY} \times 0.04 \text{ Hrs/CY} \times \$2400 \times 1.6 = \$106$$

$$\text{FOREMAN: } 69 \text{ CY} \times 0.04 \text{ Hrs/CY} \times \$265 \times 1.6 = \$117$$

EQUIPMENT

$$\text{CRANE: } 69 \text{ CY} \times 0.04 \text{ Hrs/CY} \times \$21^{\underline{00}} = \$60$$

$$\text{Sub Total} = \$4347$$

$$+ 6\% \text{ O/H} = \$1339$$

$$+ 10\% \text{ PROFIT} = \$565$$

$$\text{\$6555}$$