

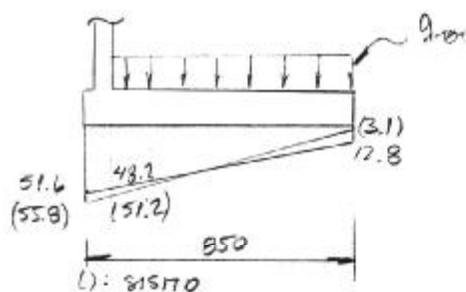
## 2.4.- ARMADURAS (SOLICITACIONES S/TABLAS DE SIGLAT)

COMB. ESTÁTICA:  $1.3 \cdot (PD + 1.3 EE_{ACT} + 1.3 EE_{SC} + 1.67 SC)$   
 COMB. SÍSMICA:  $1.3 (PD + 1.3 EE_{ACT} + E_{SIS} + SISMO)$

## 2.4.1.- FUNDACIÓN

CASO EST.:  $\Sigma VERT = 3124 \text{ TON}$   $e = 3.398 \text{ M}$   
 (C/SC EN TAB.)  $\Sigma HORIZ = 426 \text{ TON}$   $\Delta_{MAX} = 51.6 \text{ T/M}^2$   
 $\Sigma TRESIS = 11940 \text{ T-M}$   $\Delta_{MIN} = 12.8 \text{ "}$   
 $\Sigma M_{VOLC} = 1325 \text{ "}$   $\%A = 100 \%$

CASO SÍSMICO:  $\Sigma VERT = 2857 \text{ TON}$   $e = 2.98 \text{ M}$   
 $\Sigma HORIZ = 605 \text{ "}$   $\Delta_{MAX} = 55.8 \text{ T/M}^2$   
 $\Sigma M_{RESIS} = 10738 \text{ T-M}$   $\Delta_{MIN} = 3.1 \text{ "}$   
 $\Sigma M_{VOLC} = 2213 \text{ "}$   $\%A = 100 \%$



$$q_{RELL} = 7.7 \times 2.2 = 16.9 \text{ TON/M}^2$$

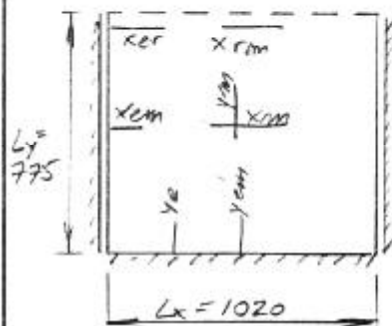
$$q_{FUND} = 1.0 \times 2.5 = 2.5 \text{ "}$$

$$q_{SC}(\text{ACCESO}) = 1.61 \text{ "}$$

$$q_{SC}(\text{TAB}) = 0.0$$

$$q_{EST} = 19.4 \times 1.3 + 1.61 \times 2.17 = 28.7 \text{ T/M}^2$$

$$q_{SIS} = 19.4 \times 1.3 = 25.2 \text{ "}$$



$$L_y/L_x = 0.76$$

$$q_{UEST} = 28.7 - 12.8 = 15.9 \text{ TON/M}^2$$

$$q_{USIS} = 25.2 - 3.1 = 22.1 \text{ "}$$

$$q_{TEST} = -48.2 + 12.8 = -35.4 \text{ TON/M}^2$$

$$q_{TUSIS} = -51.2 + 3.1 = -48.1 \text{ "}$$

CARGA UNIFORME:  $K = q_L \times L_y$ 

$$q_{EST} = 15.9 \text{ T/M}^2$$

$$q_{SIS} = 22.1 \text{ "}$$

i: C/NUROS LAT. EMPST.

	$M_{XCR}$	$M_{XCM}$	$M_{XCM}$	$M_{XCM}$	$M_{YCM}$	$M_{YCR}$	$M_{YCM}$
$M_{CR}(\text{C/NUROS EMPST.})$	-8.76	-14.3	20.3	34.9	-13.4	-16.8	82.2
$M_{EST}(\text{T-M/M})$	-143.5	-87.9	61.9	36.0	-93.3	-74.8	14.4
$M_{SIS}(\text{"})$	-199.4	-122.2	86.1	50.1	-130.4	-104.0	20.0