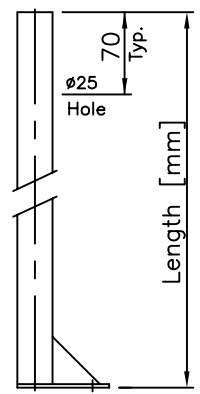
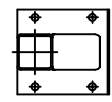


$F1 = 129 \text{ kg} \Rightarrow 1265 \text{ N}$   
 $F2 = 250 \text{ kg (550 Lb) (max. loading capacity)} \Rightarrow 2452 \text{ N}$   
 $d1 = 360 \text{ mm (14 1/8")}$   
 $d2 = 565 \text{ mm (22 1/4")}$   
 $x = 81.75 \text{ mm (3 1/4")}$   
 $F = F1 + F2 = 1265 + 2452 \Rightarrow F=3717 \text{ N}$

Moment Over F1 & F2:  
 $M = F1 \times (d1+x) + F2 \times (d2+x) \Rightarrow M=2251 \text{ Nm}$

Pulling Forces F3:  
 $F3 = M / (d3 + d4) \Rightarrow F3=2810 \text{ N}$

Pushing Forces F4:  
 $F4 = M / d4 \Rightarrow F4=3752 \text{ N}$



**X3 LOADING DIAGRAM N.T.S.**

(Loads are based on a 800 x 1220 [31 1/2" x 48"] platform)

X-TOWER

REV.	SCALE: SCALE	TOLERANCES: DIMENSIONAL DIMTOL	ANGULAR ANGLOT	UNITS: UNITS	DATE	AU	CHK.BY
				PROJECTION:	DATE	DRN.BY	
				DWG-TITLE GLOBUS SCORPIUS 250KG			DWG-NO REBUILD-ND
				PAGE 1			