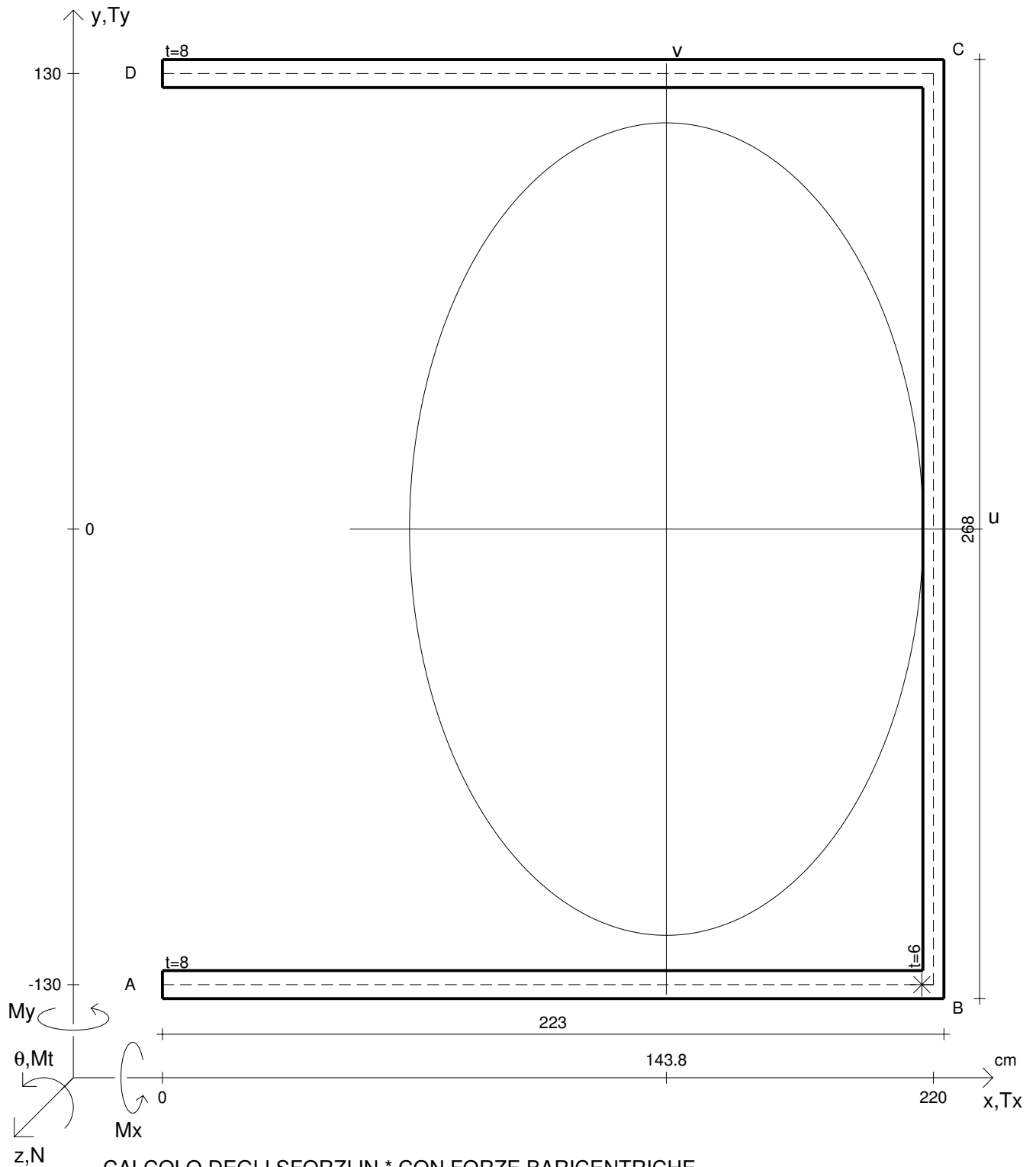
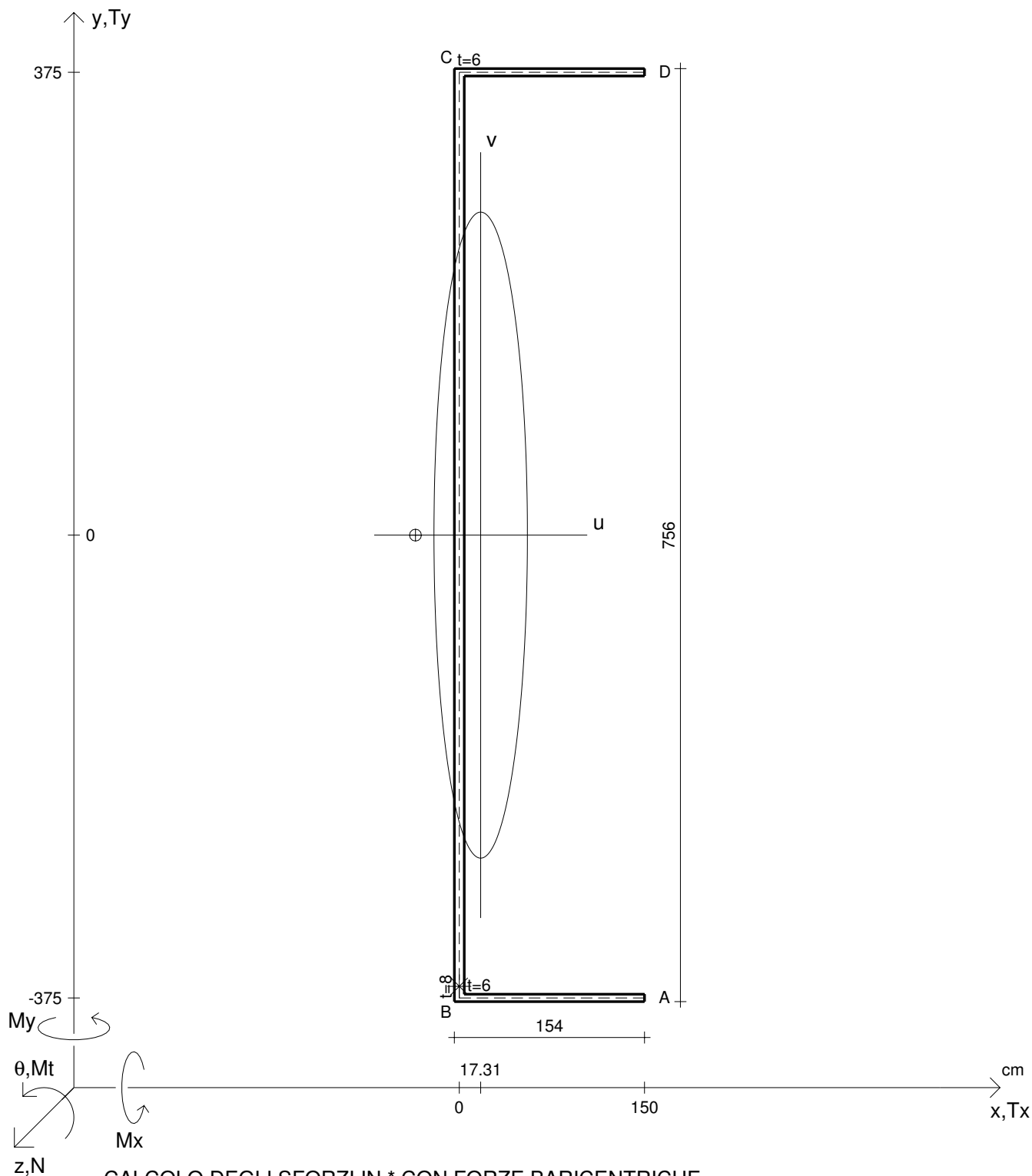


Tx	= 15500000 N	Mx	= -99900000 Ncm	E	= 20000000 N/cm <sup>2</sup>		
Mt	= 63400000 Ncm	σa	= 24000 N/cm <sup>2</sup>	G	= 7500000 N/cm <sup>2</sup>		
x <sub>G</sub>	= 113.1 cm	τ(Mt)	= 6759 N/cm <sup>2</sup>	τ-	= -570.5 N/cm <sup>2</sup>	θt	= 0.01127 /m
u <sub>O</sub>	= 120.8 cm	σ(Mx)	= 243.2 N/cm <sup>2</sup>	σ <sub>I</sub> +	= 13070 N/cm <sup>2</sup>	r <sub>U</sub>	= 112.8 cm
v <sub>O</sub>	= 0 cm	τ(Txc)	= 6189 N/cm <sup>2</sup>	σ <sub>II</sub> +	= -12827 N/cm <sup>2</sup>	r <sub>V</sub>	= 54.91 cm
A <sub>N</sub>	= 4200 cm <sup>2</sup>	τ(Txb)	= 0.008746 N/cm <sup>2</sup>	σ <sub>I</sub> -	= 704.9 N/cm <sup>2</sup>	r <sub>O</sub>	= 174.1 cm
Cw	= 0.1512+12 cm <sup>6</sup>	τ(Tx)+	= 6189 N/cm <sup>2</sup>	σ <sub>II</sub> -	= -461.7 N/cm <sup>2</sup>	J <sub>P</sub>	= 0.1273+9 cm <sup>4</sup>
Ju	= 53404000 cm <sup>4</sup>	τ(Tx)-	= 6189 N/cm <sup>2</sup>	σ <sub>MISES</sub>	= 22427 N/cm <sup>2</sup>		
Jv	= 12663511 cm <sup>4</sup>	σ	= 243.2 N/cm <sup>2</sup>	σ <sub>GUEST</sub>	= 25896 N/cm <sup>2</sup>		
Jt	= 75040 cm <sup>4</sup>	τ+	= 12948 N/cm <sup>2</sup>	σ <sub>ID</sub>	= 17345 N/cm <sup>2</sup>		



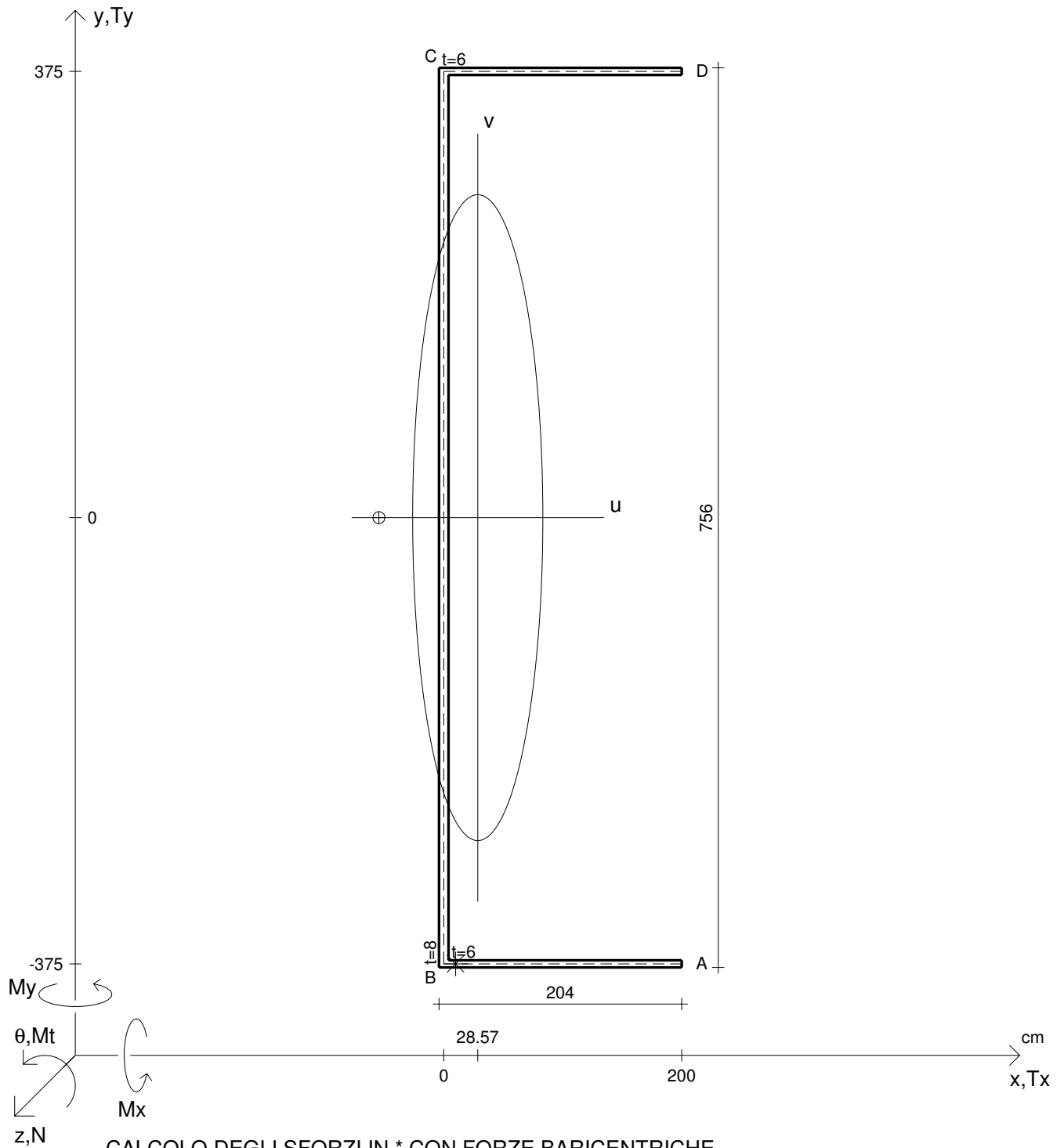
## CALCOLO DEGLI SFORZI IN \* CON FORZE BARICENTRICHE

$T_x$	$= 18600000 \text{ N}$	$M_x$	$= -99900000 \text{ Ncm}$	$E$	$= 20000000 \text{ N/cm}^2$		
$M_t$	$= -88100000 \text{ Ncm}$	$\sigma_a$	$= 24000 \text{ N/cm}^2$	$G$	$= 7500000 \text{ N/cm}^2$		
$x_G$	$= 143.8 \text{ cm}$	$\tau(M_t)$	$= -7513 \text{ N/cm}^2$	$\tau$	$= -2445 \text{ N/cm}^2$	$\theta_t$	$= -0.01252 / \text{m}$
$u_O$	$= 172.1 \text{ cm}$	$\sigma(M_x)$	$= 190.2 \text{ N/cm}^2$	$\sigma_{I+}$	$= 12676 \text{ N/cm}^2$	$r_U$	$= 115.9 \text{ cm}$
$v_O$	$= 0 \text{ cm}$	$\tau(T_x c)$	$= 5068 \text{ N/cm}^2$	$\sigma_{II+}$	$= -12486 \text{ N/cm}^2$	$r_V$	$= 73.28 \text{ cm}$
$A_N$	$= 5080 \text{ cm}^2$	$\tau(T_x b)$	$= -0.007923 \text{ N/cm}^2$	$\sigma_{I-}$	$= 2542 \text{ N/cm}^2$	$r_O$	$= 220 \text{ cm}$
$C_w$	$= 0.3326 + 12 \text{ cm}^6$	$\tau(T_x)+$	$= 5068 \text{ N/cm}^2$	$\sigma_{II-}$	$= -2352 \text{ N/cm}^2$	$J_P$	$= 0.2459 + 9 \text{ cm}^4$
$J_u$	$= 68276000 \text{ cm}^4$	$\tau(T_x)-$	$= 5068 \text{ N/cm}^2$	$\sigma_{MISES}$	$= 21791 \text{ N/cm}^2$		
$J_v$	$= 27276764 \text{ cm}^4$	$\sigma$	$= 190.2 \text{ N/cm}^2$	$\sigma_{GUEST}$	$= 25161 \text{ N/cm}^2$		
$J_t$	$= 93813 \text{ cm}^4$	$\tau+$	$= 12580 \text{ N/cm}^2$	$\sigma_{ID}$	$= 16838 \text{ N/cm}^2$		



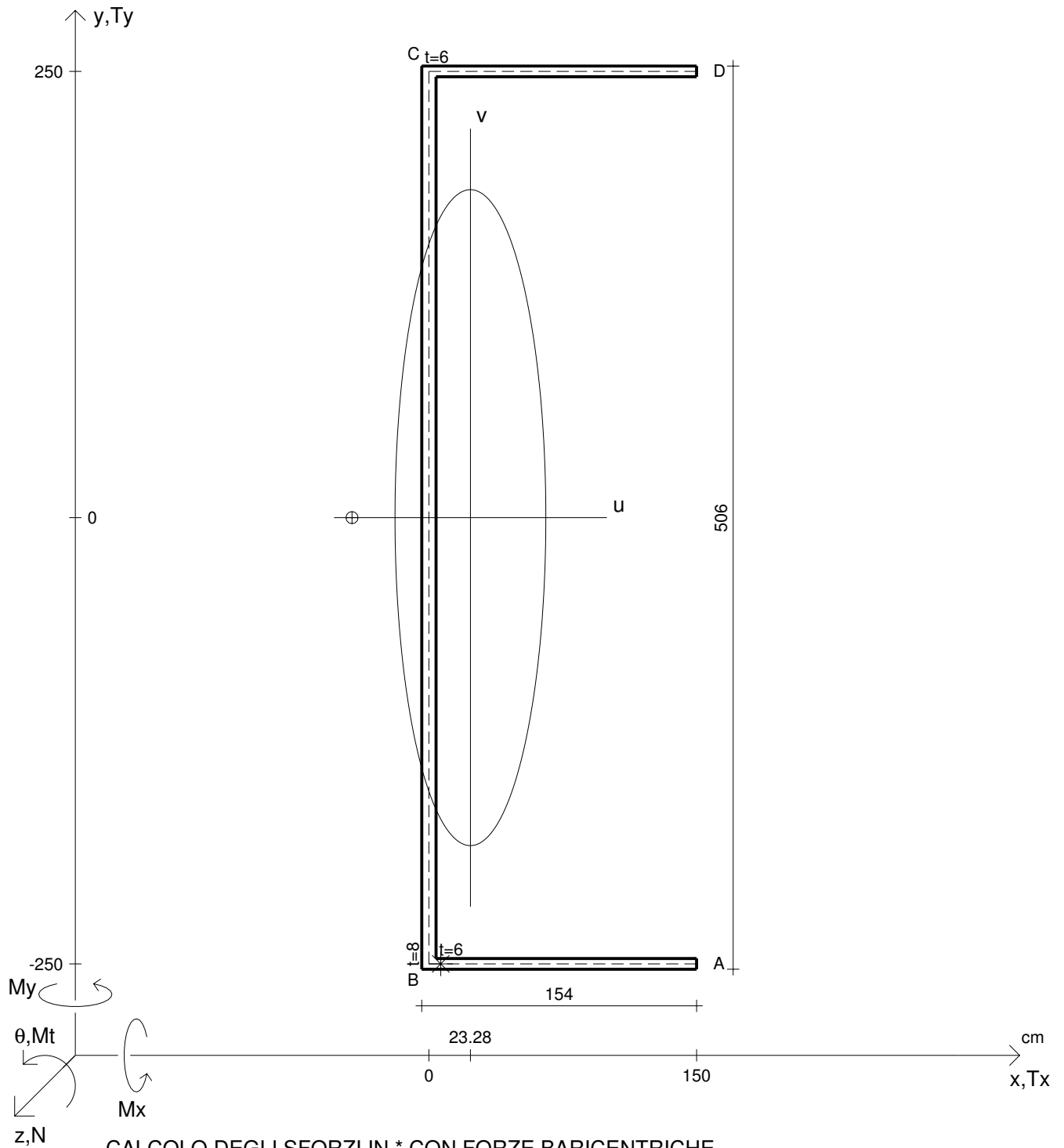
## CALCOLO DEGLI SFORZI IN \* CON FORZE BARICENTRICHE

$T_x$	= 9690000 N	$M_x$	= -99900000 Ncm	$E$	= 20000000 N/cm <sup>2</sup>		
$M_t$	= 99900000 Ncm	$\sigma_a$	= 24000 N/cm <sup>2</sup>	$G$	= 7500000 N/cm <sup>2</sup>		
$x_G$	= 17.31 cm	$\tau(M_t)$	= 5342 N/cm <sup>2</sup>	$\tau_-$	= -291.5 N/cm <sup>2</sup>	$\theta_t$	= 0.008904 /m
$u_O$	= -52.83 cm	$\sigma(M_x)$	= 70.11 N/cm <sup>2</sup>	$\sigma_{I+}$	= 11011 N/cm <sup>2</sup>	$r_U$	= 261.7 cm
$v_O$	= 0 cm	$\tau(T_x c)$	= -5634 N/cm <sup>2</sup>	$\sigma_{II+}$	= -10941 N/cm <sup>2</sup>	$r_V$	= 37.83 cm
$A_N$	= 7800 cm <sup>2</sup>	$\tau(T_x b)$	= 0.0001123 N/cm <sup>2</sup>	$\sigma_{I-}$	= 328.6 N/cm <sup>2</sup>	$r_O$	= 269.7 cm
$C_w$	= 0.1224+13 cm <sup>6</sup>	$\tau(T_x)+$	= -5634 N/cm <sup>2</sup>	$\sigma_{II-}$	= -258.5 N/cm <sup>2</sup>	$J_P$	= 0.5673+9 cm <sup>4</sup>
$J_u$	= 0.5344+9 cm <sup>4</sup>	$\tau(T_x)-$	= -5634 N/cm <sup>2</sup>	$\sigma_{MISES}$	= 19011 N/cm <sup>2</sup>		
$J_v$	= 11163462 cm <sup>4</sup>	$\sigma$	= 70.11 N/cm <sup>2</sup>	$\sigma_{GUEST}$	= 21952 N/cm <sup>2</sup>		
$J_t$	= 149600 cm <sup>4</sup>	$\tau_+$	= -10976 N/cm <sup>2</sup>	$\sigma_{ID}$	= 14658 N/cm <sup>2</sup>		



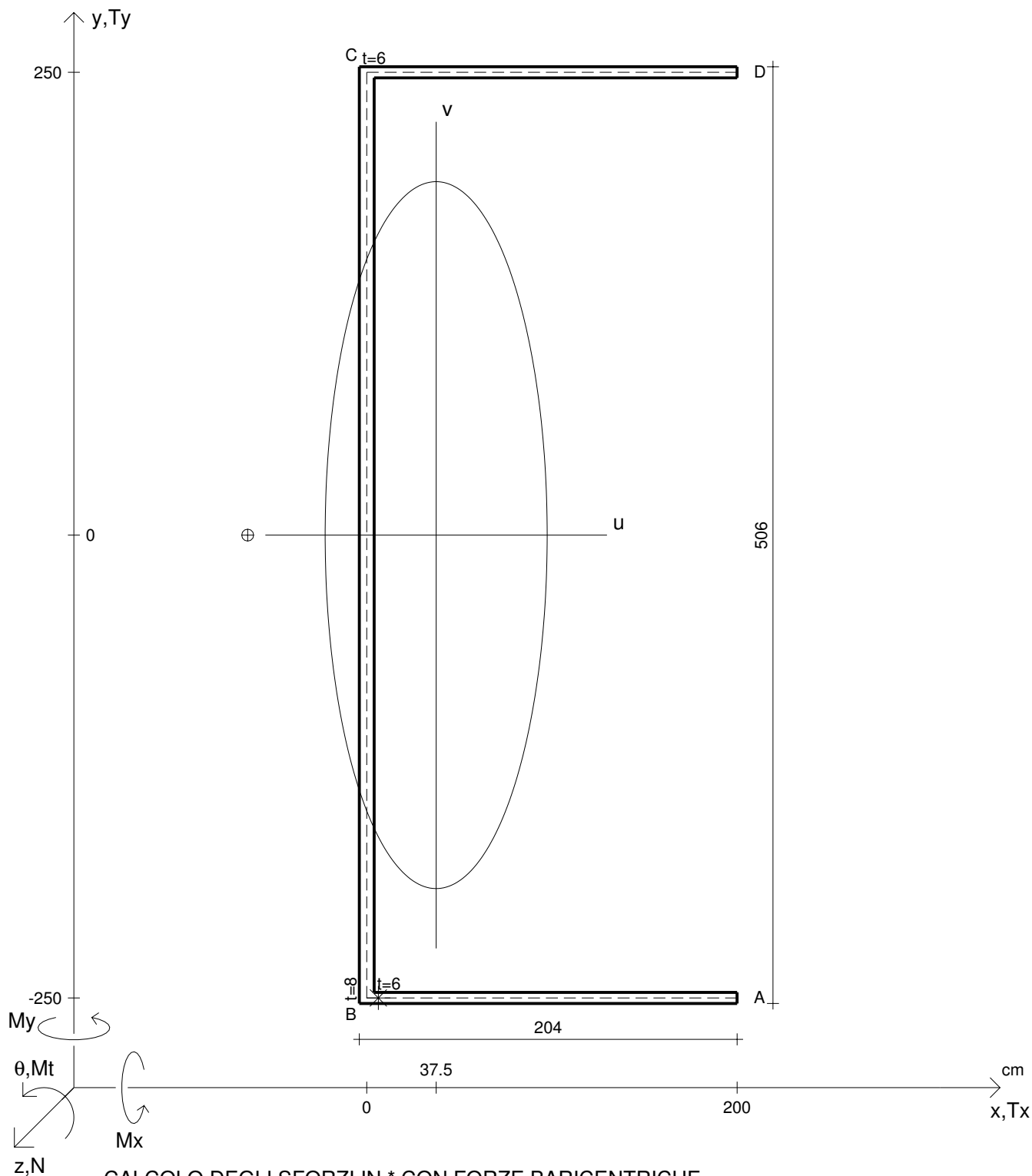
## CALCOLO DEGLI SFORZI IN \* CON FORZE BARICENTRICHE

$T_x$	$= 14500000$ N	$M_x$	$= -99900000$ Ncm	$E$	$= 20000000$ N/cm <sup>2</sup>
$M_t$	$= 99900000$ Ncm	$\sigma_a$	$= 24000$ N/cm <sup>2</sup>	$G$	$= 7500000$ N/cm <sup>2</sup>
$x_G$	$= 28.57$ cm	$\tau(T_{xc})$	$= -8239$ N/cm <sup>2</sup>	$\sigma_{II-}$	$= -4386$ N/cm <sup>2</sup>
$u_O$	$= -83.12$ cm	$\tau(T_{xb})$	$= 0.00006668$ N/cm <sup>2</sup>	$\sigma_{MISES}$	$= 20891$ N/cm <sup>2</sup>
$v_O$	$= 0$ cm	$\tau(T_x)_+$	$= -8239$ N/cm <sup>2</sup>	$\sigma_{GUEST}$	$= 24123$ N/cm <sup>2</sup>
$A_N$	$= 8400$ cm <sup>2</sup>	$\tau(T_x)_-$	$= -8239$ N/cm <sup>2</sup>	$\sigma_{ID}$	$= 16102$ N/cm <sup>2</sup>
$C_w$	$= 0.2659+13$ cm <sup>6</sup>	$\sigma$	$= 60.55$ N/cm <sup>2</sup>	$\theta_t$	$= 0.008495$ /m
$J_u$	$= 0.6188+9$ cm <sup>4</sup>	$\tau_+$	$= -12061$ N/cm <sup>2</sup>	$r_U$	$= 271.4$ cm
$J_v$	$= 25142858$ cm <sup>4</sup>	$\tau_-$	$= -4416$ N/cm <sup>2</sup>	$r_V$	$= 54.71$ cm
$J_t$	$= 156800$ cm <sup>4</sup>	$\sigma_{I+}$	$= 12092$ N/cm <sup>2</sup>	$r_O$	$= 289.1$ cm
$\tau(M_t)$	$= 3823$ N/cm <sup>2</sup>	$\sigma_{II+}$	$= -12031$ N/cm <sup>2</sup>	$J_P$	$= 0.7019+9$ cm <sup>4</sup>
$\sigma(M_x)$	$= 60.55$ N/cm <sup>2</sup>	$\sigma_{I-}$	$= 4446$ N/cm <sup>2</sup>		



## CALCOLO DEGLI SFORZI IN \* CON FORZE BARICENTRICHE

$T_x = 9030000 \text{ N}$	$M_x = -99900000 \text{ Ncm}$	$E = 20000000 \text{ N/cm}^2$
$M_t = 99900000 \text{ Ncm}$	$\sigma_a = 24000 \text{ N/cm}^2$	$G = 7500000 \text{ N/cm}^2$
$x_G = 23.28 \text{ cm}$	$\tau(T_x c) = -6764 \text{ N/cm}^2$	$\sigma_{II-} = -1097 \text{ N/cm}^2$
$u_O = -66.36 \text{ cm}$	$\tau(T_x b) = 0.00008644 \text{ N/cm}^2$	$\sigma_{MISES} = 21425 \text{ N/cm}^2$
$v_O = 0 \text{ cm}$	$\tau(T_x)+ = -6764 \text{ N/cm}^2$	$\sigma_{GUEST} = 24739 \text{ N/cm}^2$
$A_N = 5800 \text{ cm}^2$	$\tau(T_x)- = -6764 \text{ N/cm}^2$	$\sigma_{ID} = 16535 \text{ N/cm}^2$
$C_w = 0.4802+12 \text{ cm}^6$	$\sigma = 127.5 \text{ N/cm}^2$	$\theta_t = 0.01246 / \text{m}$
$J_u = 0.1958+9 \text{ cm}^4$	$\tau+ = -12369 \text{ N/cm}^2$	$r_U = 183.8 \text{ cm}$
$J_v = 10357759 \text{ cm}^4$	$\tau- = -1159 \text{ N/cm}^2$	$r_V = 42.26 \text{ cm}$
$J_t = 106933 \text{ cm}^4$	$\sigma_{I+} = 12433 \text{ N/cm}^2$	$r_O = 199.9 \text{ cm}$
$\tau(M_t) = 5605 \text{ N/cm}^2$	$\sigma_{II+} = -12306 \text{ N/cm}^2$	$J_P = 0.2317+9 \text{ cm}^4$
$\sigma(M_x) = 127.5 \text{ N/cm}^2$	$\sigma_{I-} = 1224 \text{ N/cm}^2$	



## CALCOLO DEGLI SFORZI IN \* CON FORZE BARICENTRICHE

$T_x$	$= 13800000 \text{ N}$	$M_x$	$= -99900000 \text{ Ncm}$	$E$	$= 20000000 \text{ N/cm}^2$		
$M_t$	$= 99900000 \text{ Ncm}$	$\sigma_a$	$= 24000 \text{ N/cm}^2$	$G$	$= 7500000 \text{ N/cm}^2$		
$x_G$	$= 37.5 \text{ cm}$	$\tau(M_t)$	$= 5252 \text{ N/cm}^2$	$\tau_-$	$= -2248 \text{ N/cm}^2$	$\theta_t$	$= 0.01167 / \text{m}$
$u_O$	$= -101.8 \text{ cm}$	$\sigma(M_x)$	$= 107 \text{ N/cm}^2$	$\sigma_{I+}$	$= 12805 \text{ N/cm}^2$	$r_U$	$= 190.9 \text{ cm}$
$v_O$	$= 0 \text{ cm}$	$\tau(T_x c)$	$= -7500 \text{ N/cm}^2$	$\sigma_{II+}$	$= -12698 \text{ N/cm}^2$	$r_V$	$= 59.95 \text{ cm}$
$A_N$	$= 6400 \text{ cm}^2$	$\tau(T_x b)$	$= 0 \text{ N/cm}^2$	$\sigma_{I-}$	$= 2302 \text{ N/cm}^2$	$r_O$	$= 224.5 \text{ cm}$
$C_w$	$= 0.1036+13 \text{ cm}^6$	$\tau(T_x)+$	$= -7500 \text{ N/cm}^2$	$\sigma_{II-}$	$= -2195 \text{ N/cm}^2$	$J_p$	$= 0.3226+9 \text{ cm}^4$
$J_u$	$= 0.2333+9 \text{ cm}^4$	$\tau(T_x)-$	$= -7500 \text{ N/cm}^2$	$\sigma_{MISES}$	$= 22087 \text{ N/cm}^2$		
$J_v$	$= 23000000 \text{ cm}^4$	$\sigma$	$= 107 \text{ N/cm}^2$	$\sigma_{GUEST}$	$= 25504 \text{ N/cm}^2$		
$J_t$	$= 114133 \text{ cm}^4$	$\tau_+$	$= -12752 \text{ N/cm}^2$	$\sigma_{ID}$	$= 17038 \text{ N/cm}^2$		