

SUMMARY OF ULTIMATE FOUNDATION FORCES FOR +30.0M / +40.0M BODY EXTENSION OF TOWER TYPE "4D1-Q"(0° - 3°) DEVIATION										
Sr. No.	Model	Load Case	Force In Leg Dir. (kN)	Residual Shear Perpendicular To Leg (kN)	Residual Shear Horizontal To Leg - Long. (kN)	Residual Shear Horizontal To Leg - Tran. (kN)	Total Long. Force (kN)	Total Tran. Force (kN)	Total Vert. Force (kN)	
Foundation Forces Along Leg Direction										
1	Run #27 Ic922_4d1q+40.0mbe.low	LC-4 - 0 Dev:5deg temp.& Tran. Wind(100% FL);WIND 22.5 DEG.Vmax:-ve,C Bl-,C Bl-	6291.147	206.153	207.783	-193.923				
2	Run #27 Ic922_4d1q+40.0mbe.low	LC-108 - 0Dev:5deg temp.& Tran.Wind(100% FL);WIND22.5DEG.Vmin:-ve,CBl-,C Bl-	-5612.172	198.156	199.700	-187.509				
3	Run #27 Ic922_4d1q+40.0mbe.low	LC-33 - 0 Dev:5deg temp.& High Intensity Wind:WIND 67.5 DEG.Vmax:-ve,C Bl+,C Bl+	2644.967	371.871	372.404	139.498				
4	Run #27 Ic922_4d1q+40.0mbe.low	LC-35 - 0 Dev:5deg temp.& High Intensity Wind:WIND 90 DEG.Vmax:-ve,C Bl+,C Bl+	4294.983	370.798	372.553	0.733				
5	Run #27 Ic922_4d1q+40.0mbe.low	LC-35 - 0 Dev:5deg temp.& High Intensity Wind:WIND 90 DEG.Vmax:-ve,C Bl+,C Bl+	4294.983	370.798	372.553	0.733				
6	Run #27 Ic922_4d1q+40.0mbe.low	LC-28 - 0 Dev:5deg temp.& High Intensity Wind:WIND 0DEG.Vmax:-ve,C NA-,C Bl-	3738.388	368.204	369.948	-369.947				
Foundation Forces Along Global Direction (Vertical Direction)										
1	Run #27 Ic922_4d1q+40.0mbe.low	LC-108 - 0Dev:5deg temp.& Tran.Wind(100% FL);WIND22.5DEG.Vmin:-ve,CBl-,C Bl-					609.270	728.080	5534.840	
2	Run #27 Ic922_4d1q+40.0mbe.low	LC-4 - 0 Dev:5deg temp.& Tran. Wind(100% FL);WIND 22.5 DEG.Vmax:-ve,C Bl-,C Bl-					680.760	800.070	-6206.250	
3	Run #27 Ic922_4d1q+40.0mbe.low	LC-30 - 0 Dev:5deg temp.& High Intensity Wind:WIND 22.5 DEG.Vmax:-ve,C Bl-,C Bl-					624.170	822.850	-4932.410	
4	Run #27 Ic922_4d1q+40.0mbe.low	LC-33 - 0 Dev:5deg temp.& High Intensity Wind:WIND 67.5 DEG.Vmax:-ve,C Bl+,C Bl+					-854.430	-652.160	-5230.490	

Notes: -

- 1) Above loads are factored Tower Reactions in kN.
- 2) For foundation design, the corresponding Overload factors shall be considered Extra.
- 3) Tower Slope = 5.578°
- 4) Sub. Section = STAE 200x200x28 H
- 5) Width at 0.0mBE Level at G.L = 8.953m (Approx.)



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