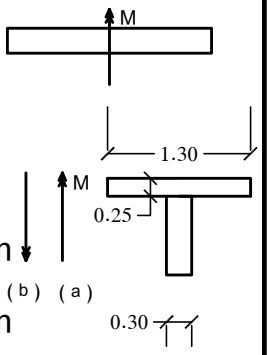
# Rectangular Water Tanks



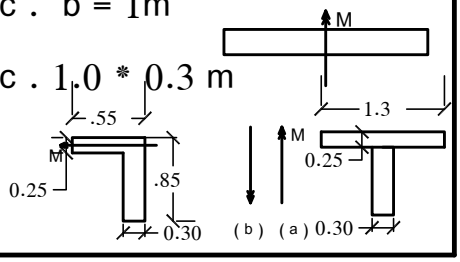
## 1) Design the following R.C Sections as ordinary sections :

| Sec No. | M ( ton. m) | N ( ton) | Shape Of Section |
|---|---|---|---|
| 1 | 0.0 | +40 | Rect . Sec . b =1 m |
| 2 | 0.0 | −40 | Square Sec . |
| 3 | 2.5 | +9.6 | Rect . Sec 0.3 * 1 m |
| 4 | 6.25 | +10.3 | Rect . Sec . b =1 m |
| 5 | 48 | 0.0 | T Sec . |
| 6 | 19.5 | +1.8 | Rect . Sec . b =0.3 m |
| 7 | 15 | +10 | Rect . Sec . b =0.3 m |
| 8 | 15 | −10 | Rect . Sec . b =0.3 m |
| 9 | 2.9 | +2.5 | Rect . Sec . b =1 m |
| 10 | 2.9 | −2.5 | Rect . Sec . b =1 m |




## 2) Design the following R.C Sections as Water Sections :

| Sec No. | M ( ton. m) | N ( ton) | Shape Of Section |
|---|---|---|---|
| 1 | 0.0 | +40 | Rect . Sec . b =1 m |
| 2 | 0.0 | −40 | Square Sec . |
| 3 | 6 | 0.0 | Rect . Sec . b =1 m |
| 4 | 3 | +5.2 | Rect . Sec . b =1 m |
| 5 | 6.25 | +10.3 | Rect . Sec . b =1 m |
| 6 | 6.25 | −10.3 | Rect . Sec . b = 1m |
| 7 | 6 | +8 | Rect . Sec . 1.0 * 0.3 m |
| 8 | 3 | +1 | L. Sec |
| 9 | 13.8 | 0.0 | T. Sec |




Fcu = 250 kg/cm$^2$, St . 36/52 , working loads