

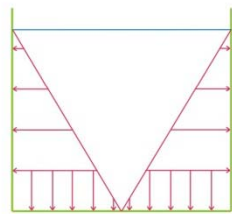
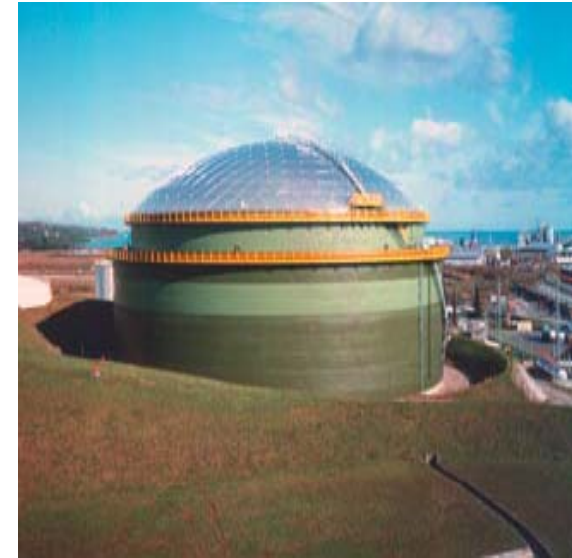
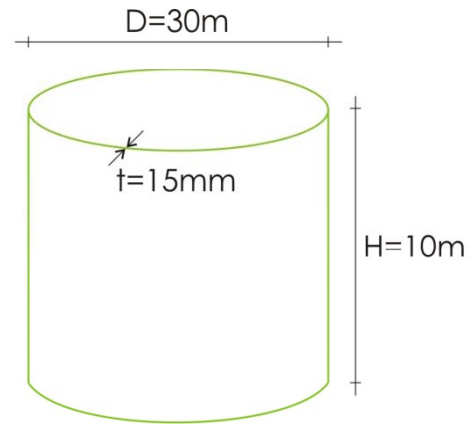
*UNIVERZA V LJUBLJANI
Fakulteta za gradbeništvo in geodezijo
Katedra za metalne konstrukcije*

JEKLENE STAVBE IN MOSTOVI

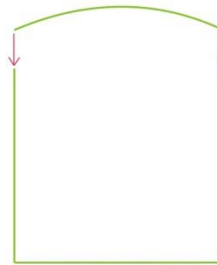
OSTALE KONSTRUKCIJE

prof. dr. Darko Beg

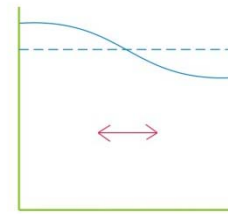
REZERVOARJI



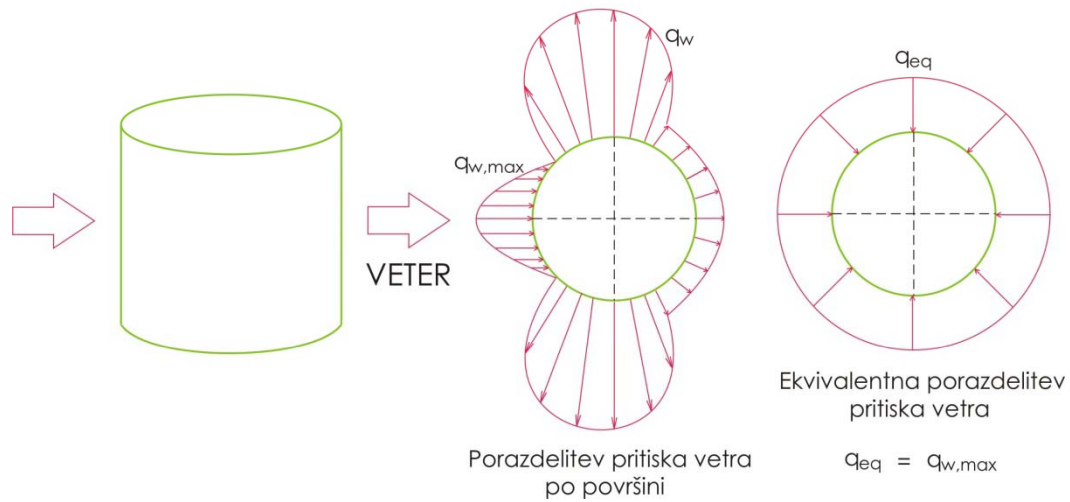
PRITISK TEKOČINE



STREHA, SNEG



POTRES



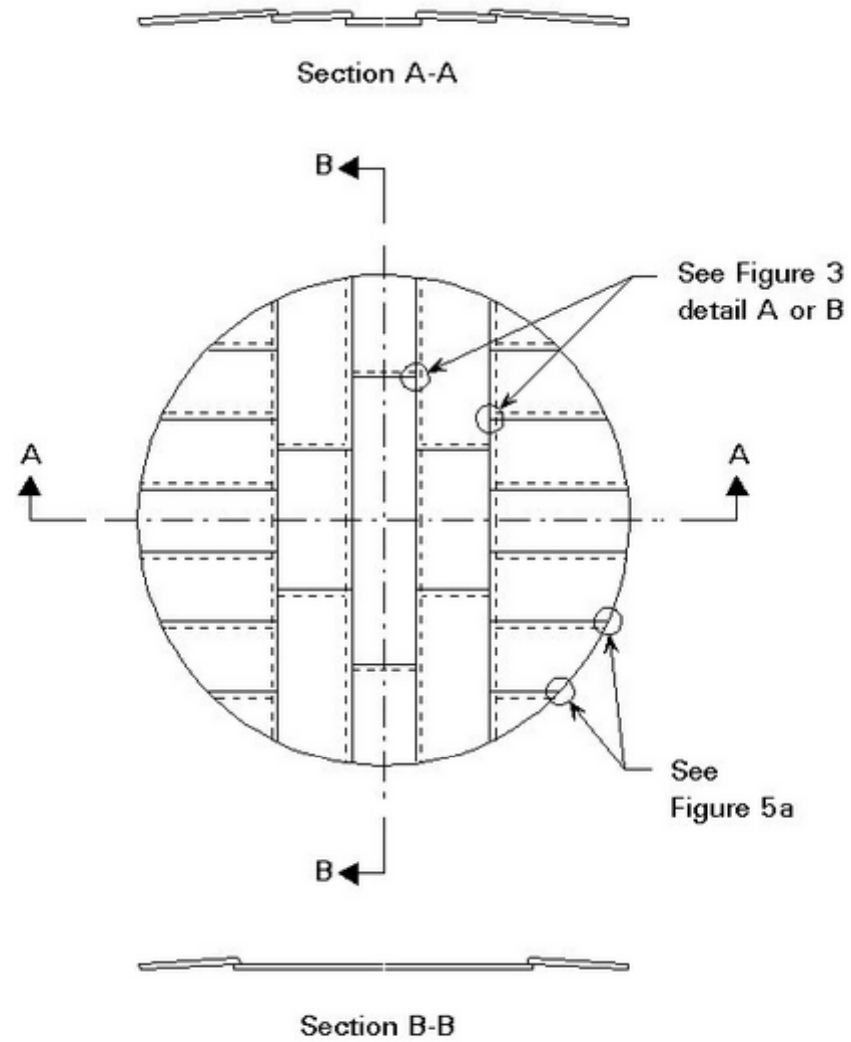


Figure 2 Typical bottom layout for tanks up to and including 12,5m diameter.

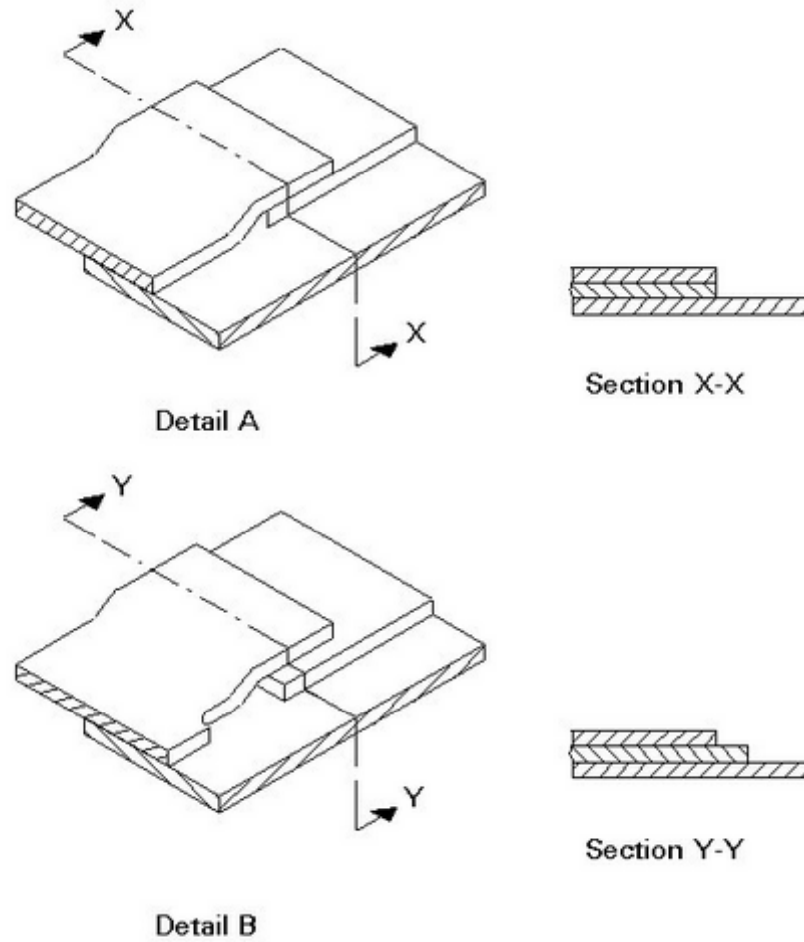


Figure 3 Cross joints in bottom plates where three thicknesses occur.

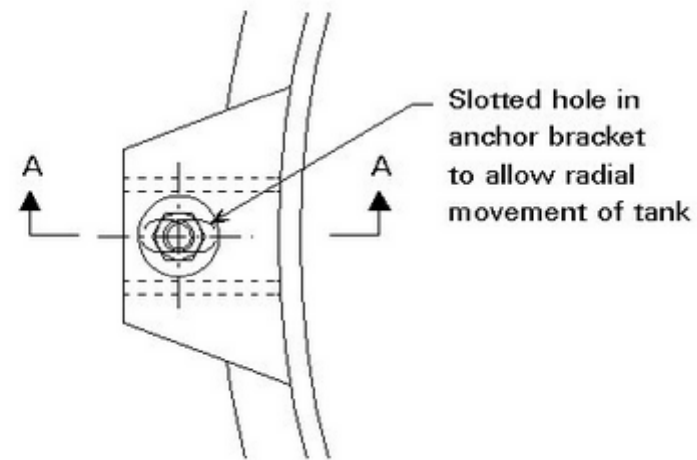
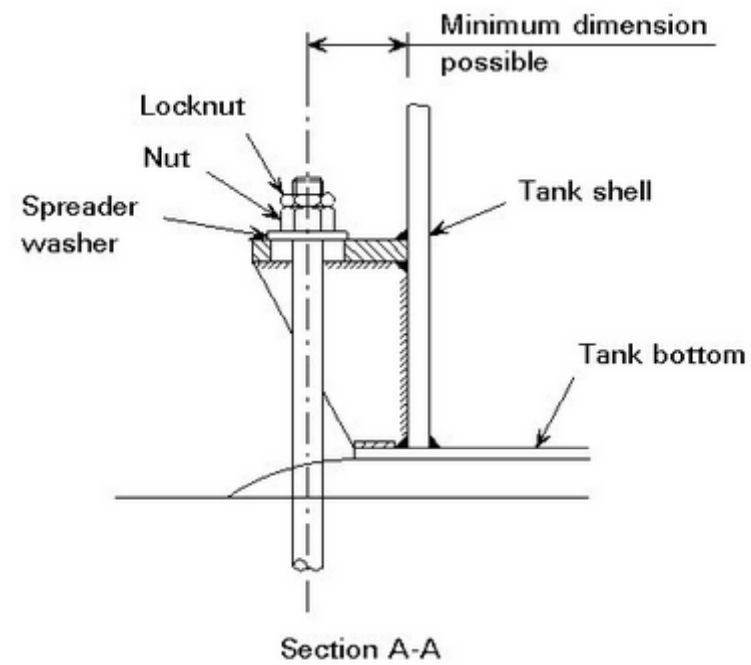


Figure 7 Typical tank anchorage detail

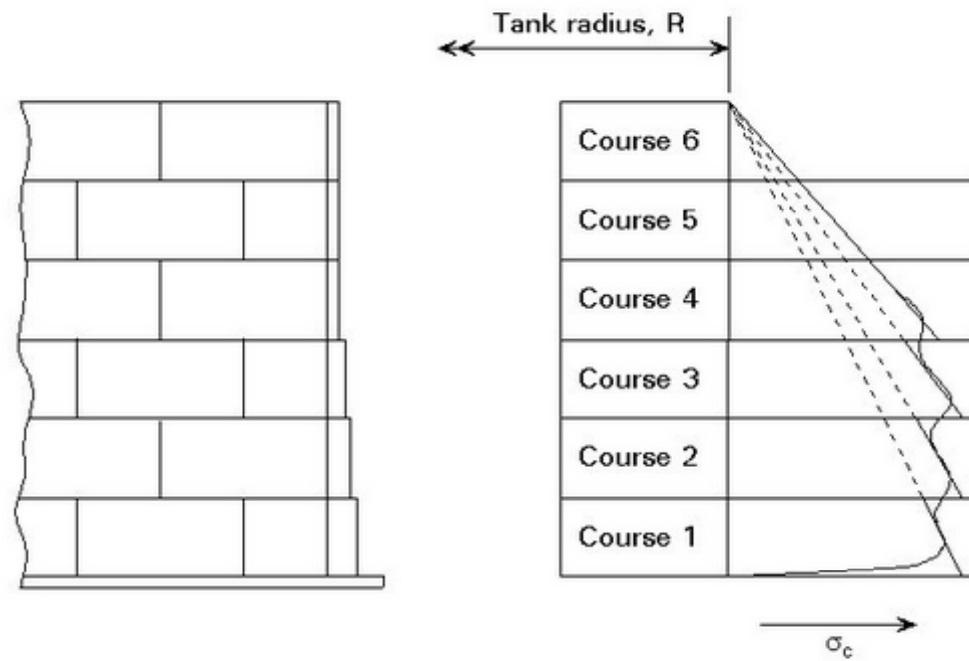
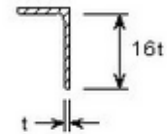
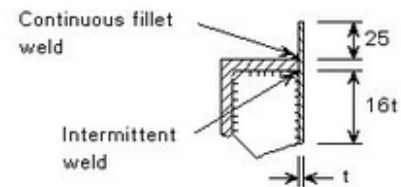


Figure 6 Diagrammatic variation of stress in shell wall.

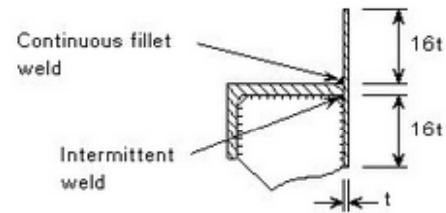
Detail A top angle



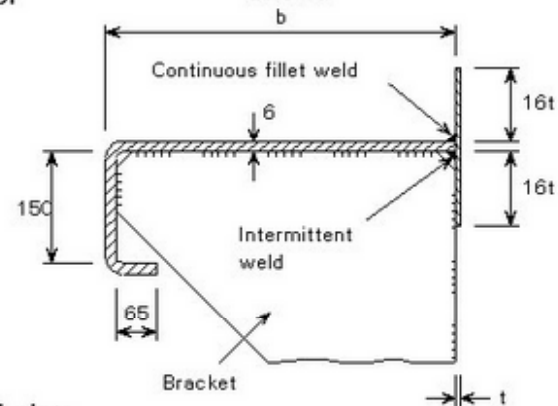
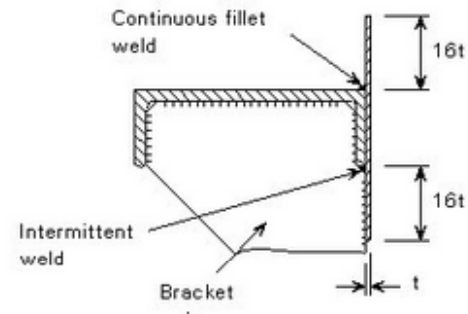
Detail B curb angle



Detail C single angle



Detail D channel



Detail E formed plate

Figure 8 Wind girders



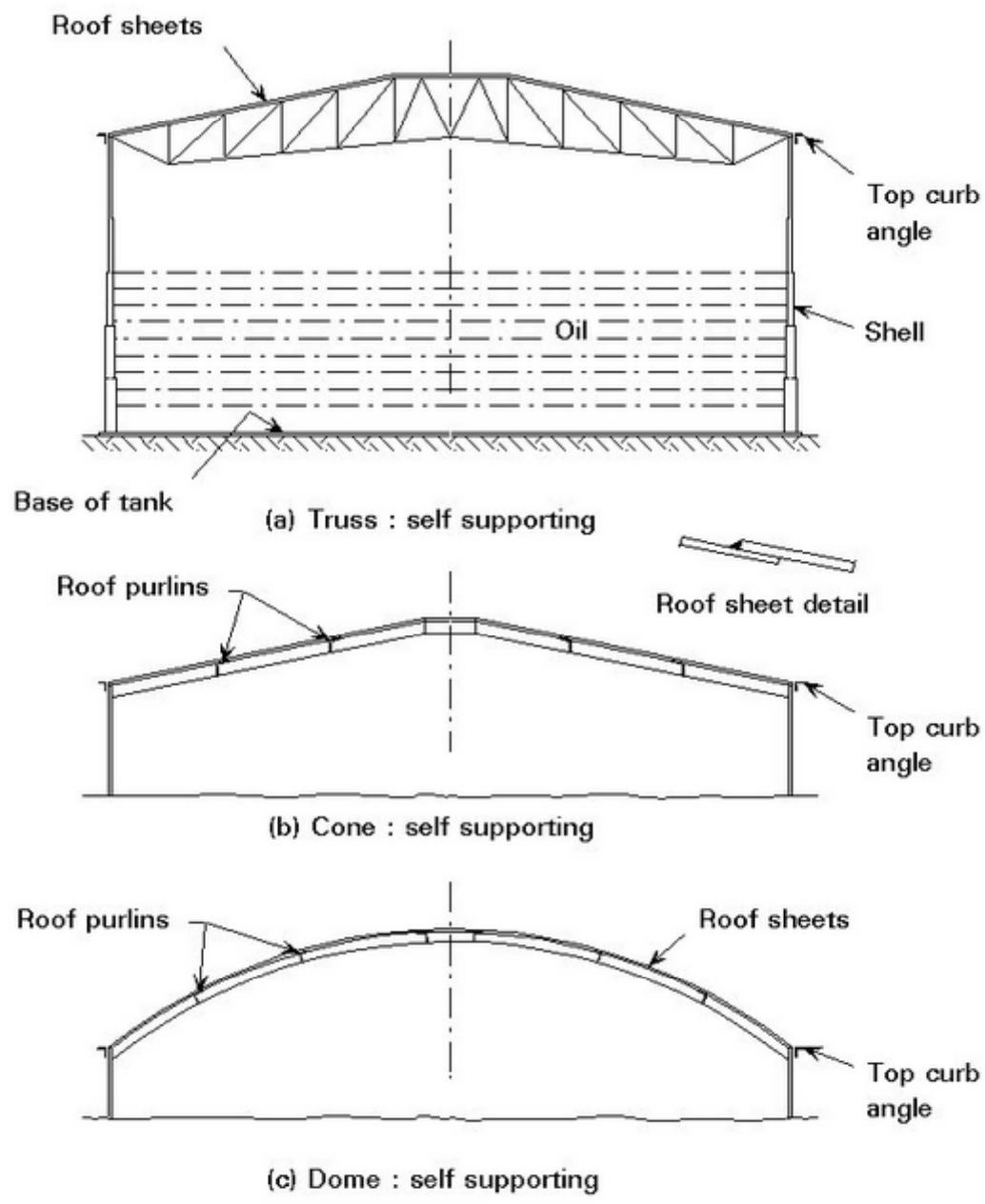


Figure 10 Self-supporting fixed roofs.



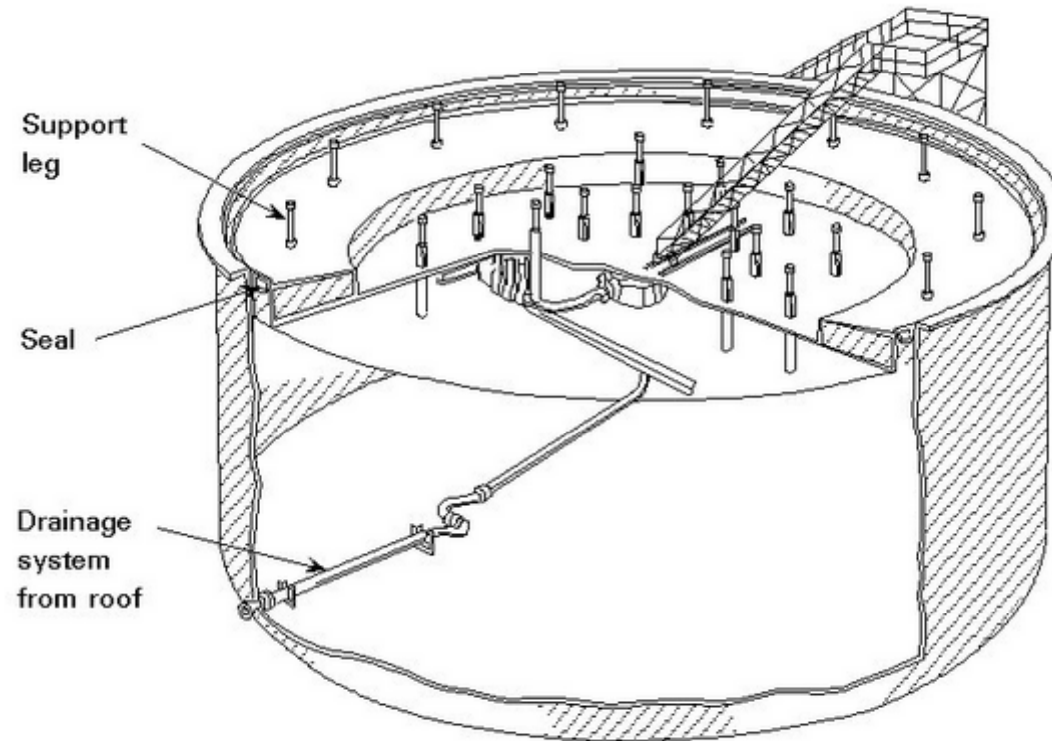


Figure 12 Pontoon type floating roof deck.

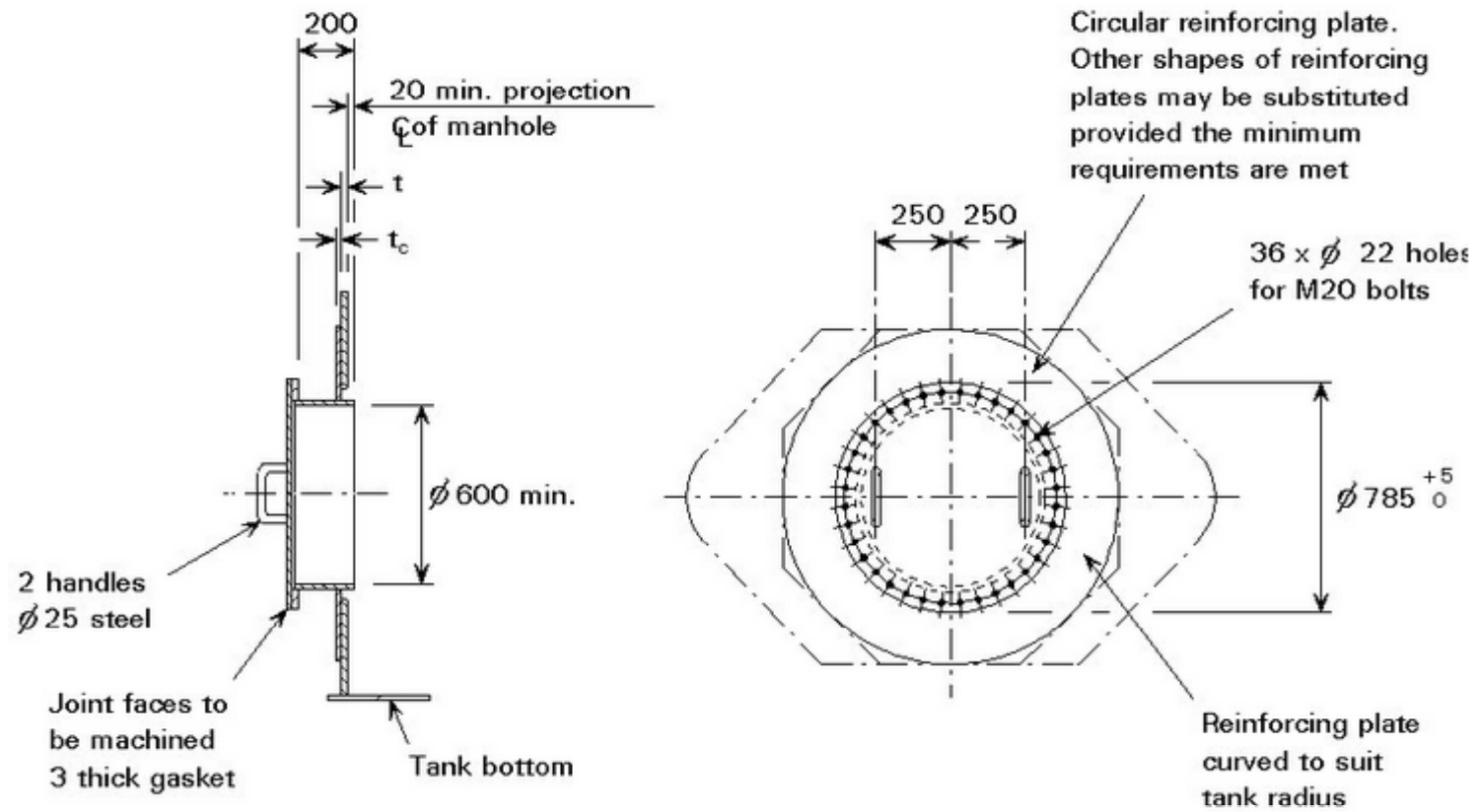


Figure 13 Typical manhole detail.

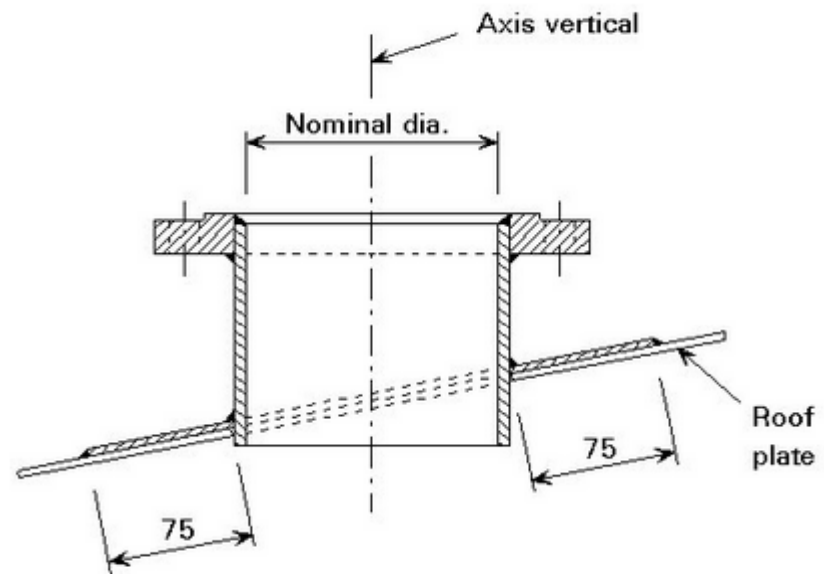
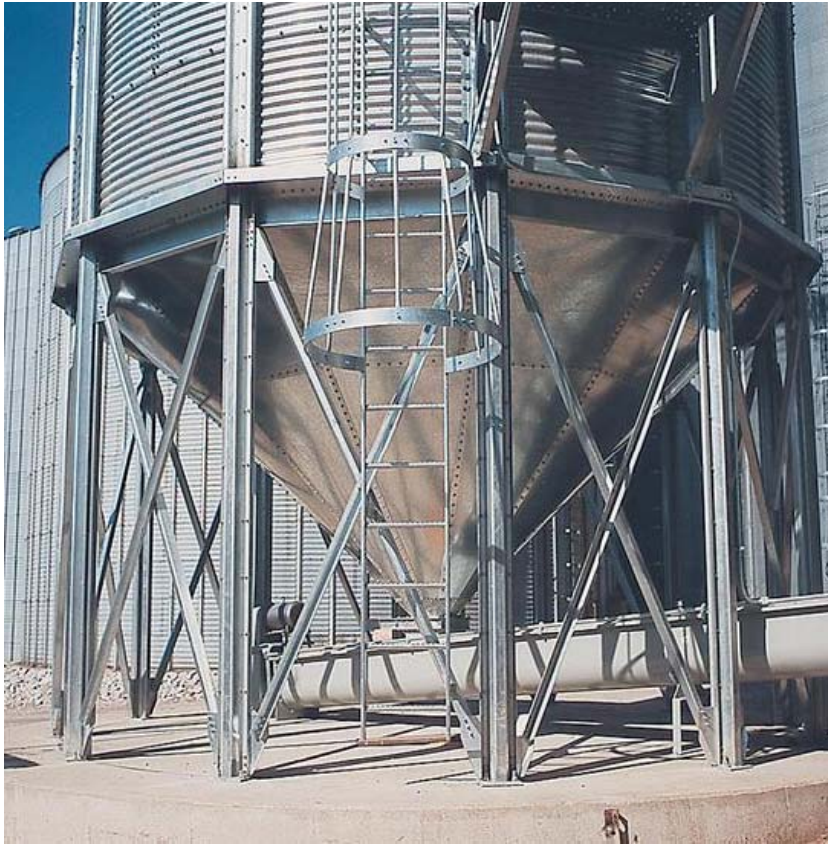
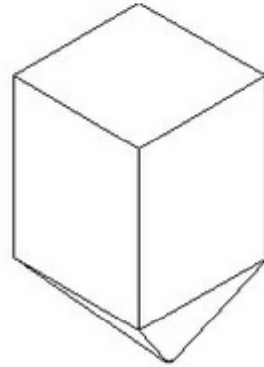


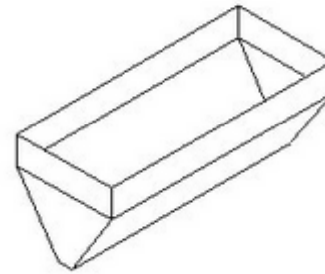
Figure 14 Typical roof nozzle

SILOSI

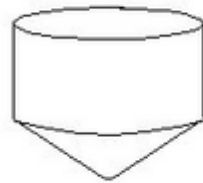




(a) Square with pyramidal hopper



(b) Trough bunker



(c) Shallow funnel flow cylindrical bin with conical hopper



(d) Deep mass flow bin

Figure 1 Typical bin geometries

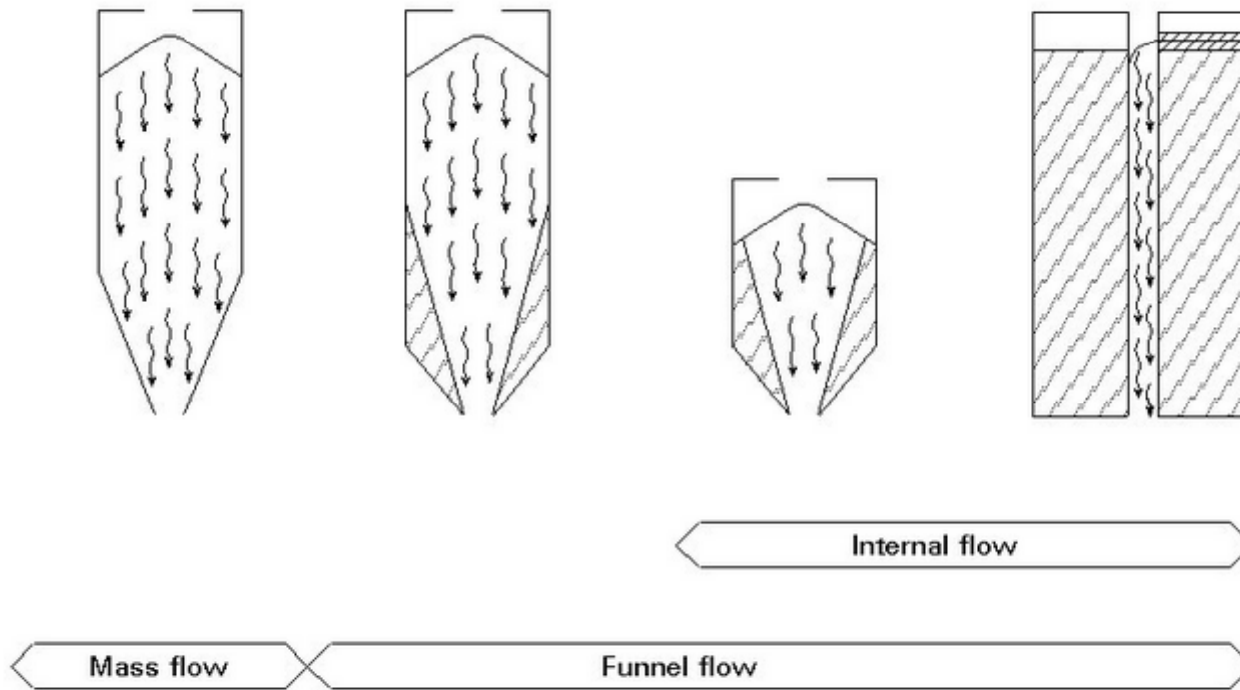


Figure 2 Flow patterns

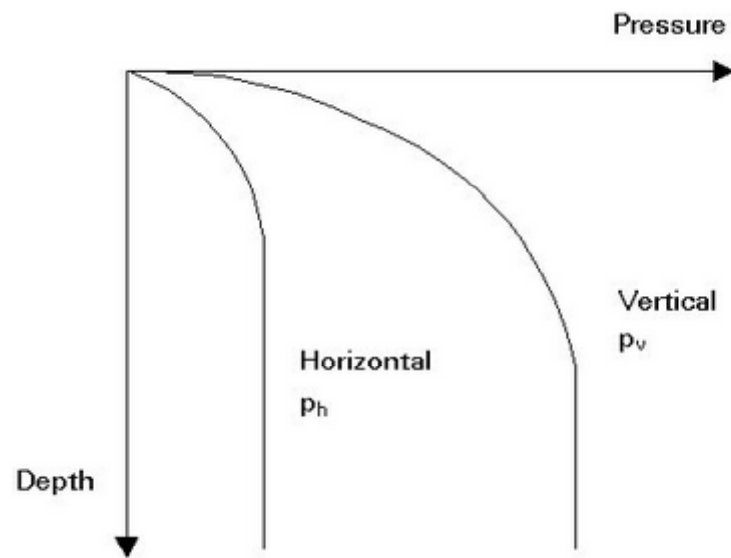


Figure 4 Distribution of horizontal and vertical pressure against depth of stored material

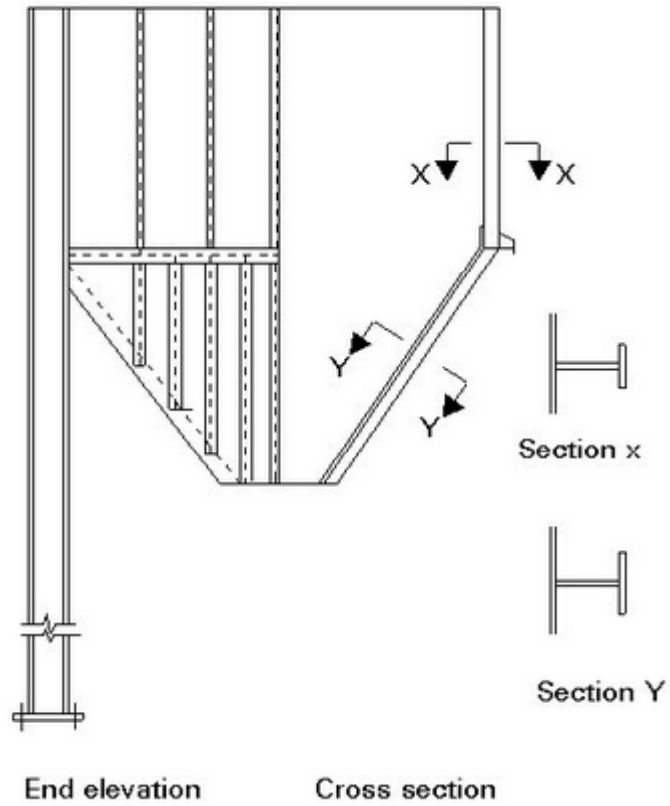


Figure 9 Typical stiffened rectangular bin : [11]

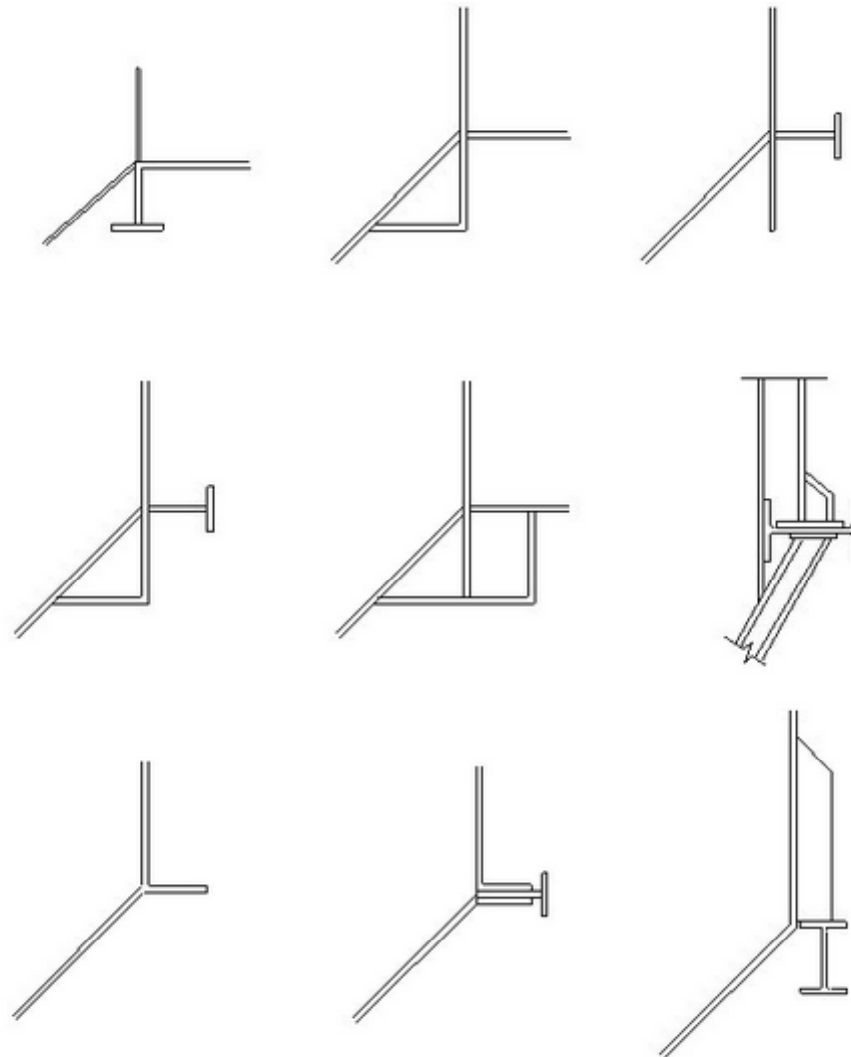
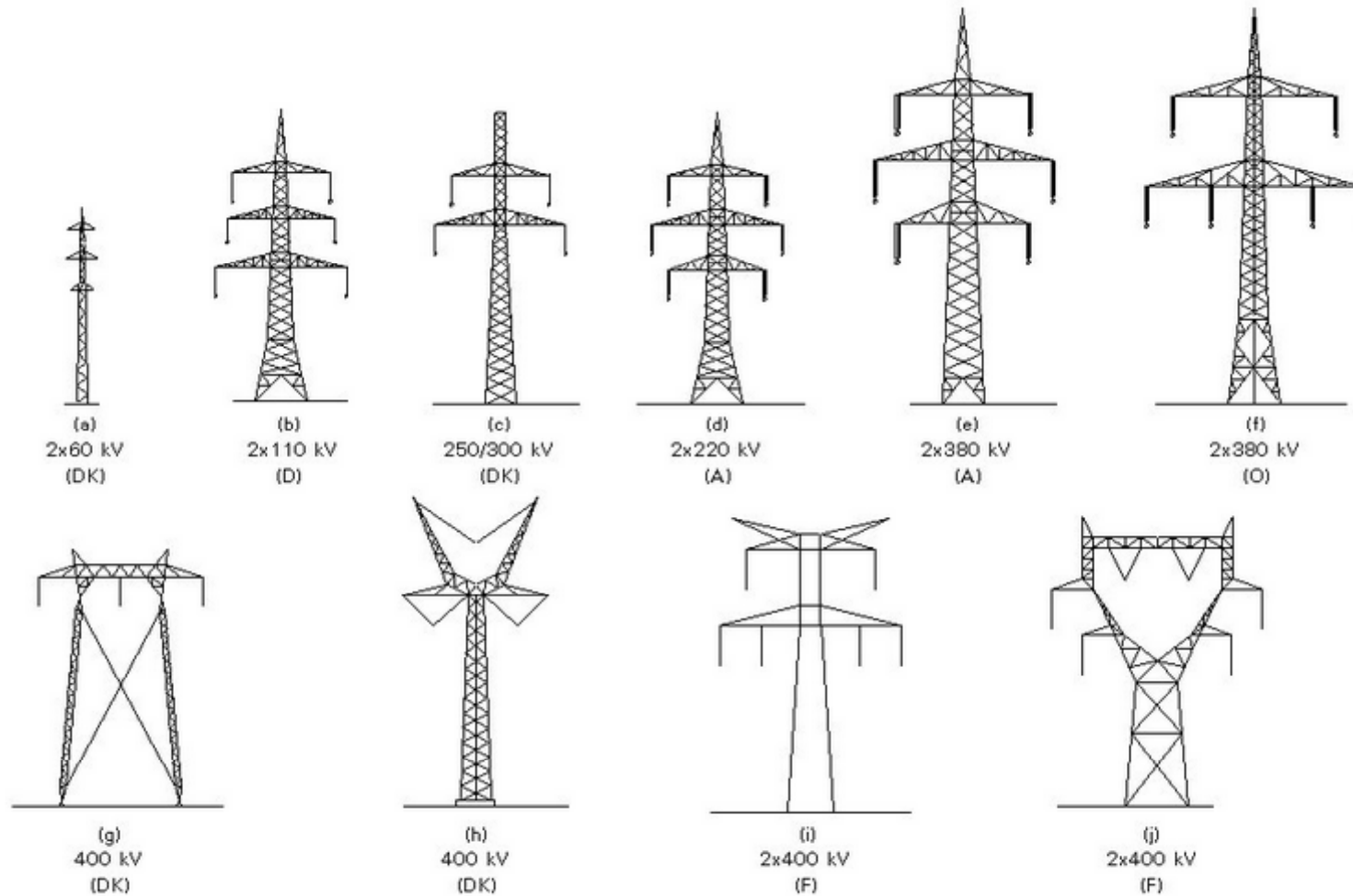


Figure 12 Typical transition ring beam details



Note: Tower (c) carries a DC transmission line. Towers drawn approximately to the same scale.

Figure 2 Examples of overall design of suspension towers from different countries.

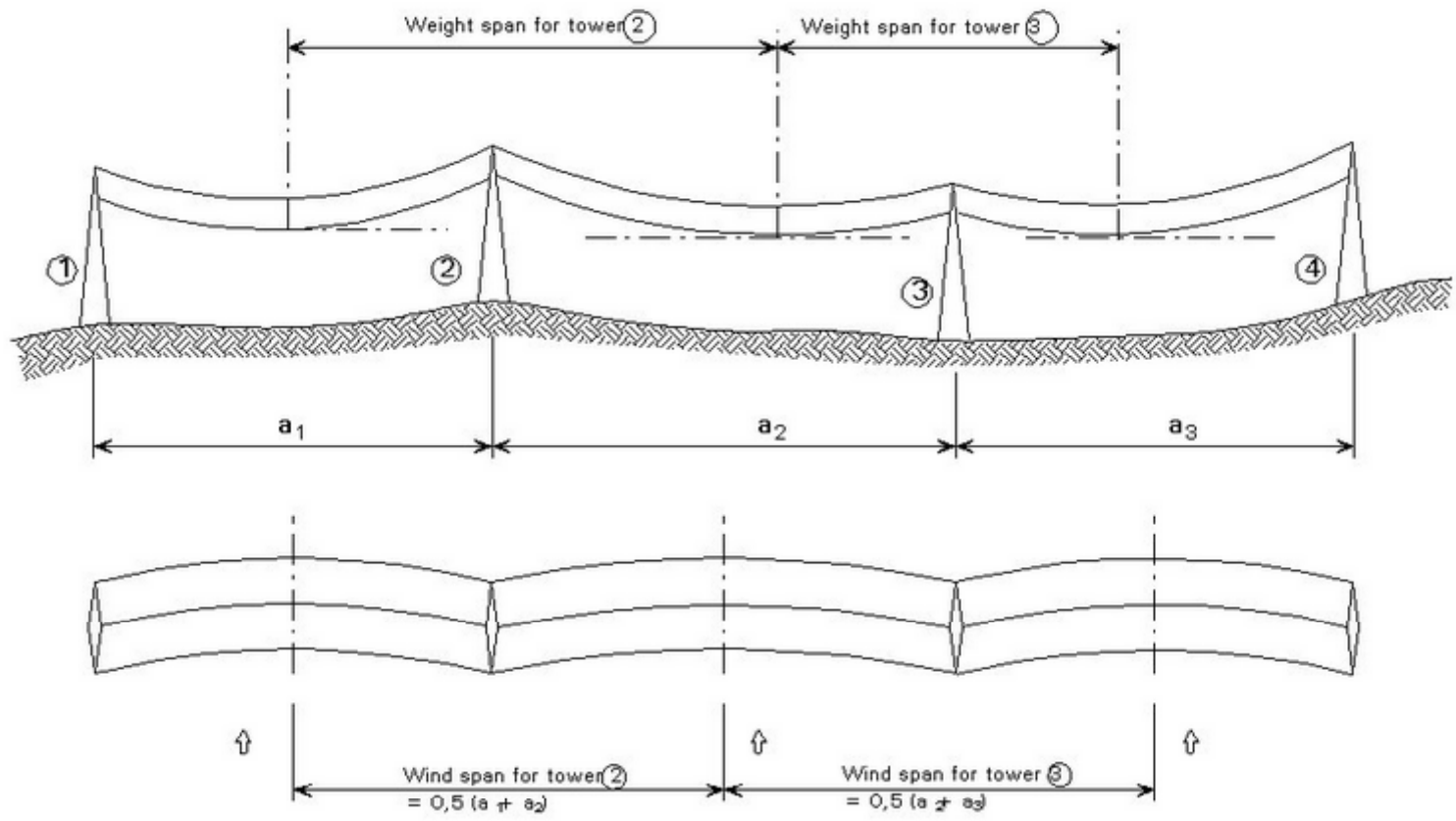


Figure 5 Weight spans and wind spans

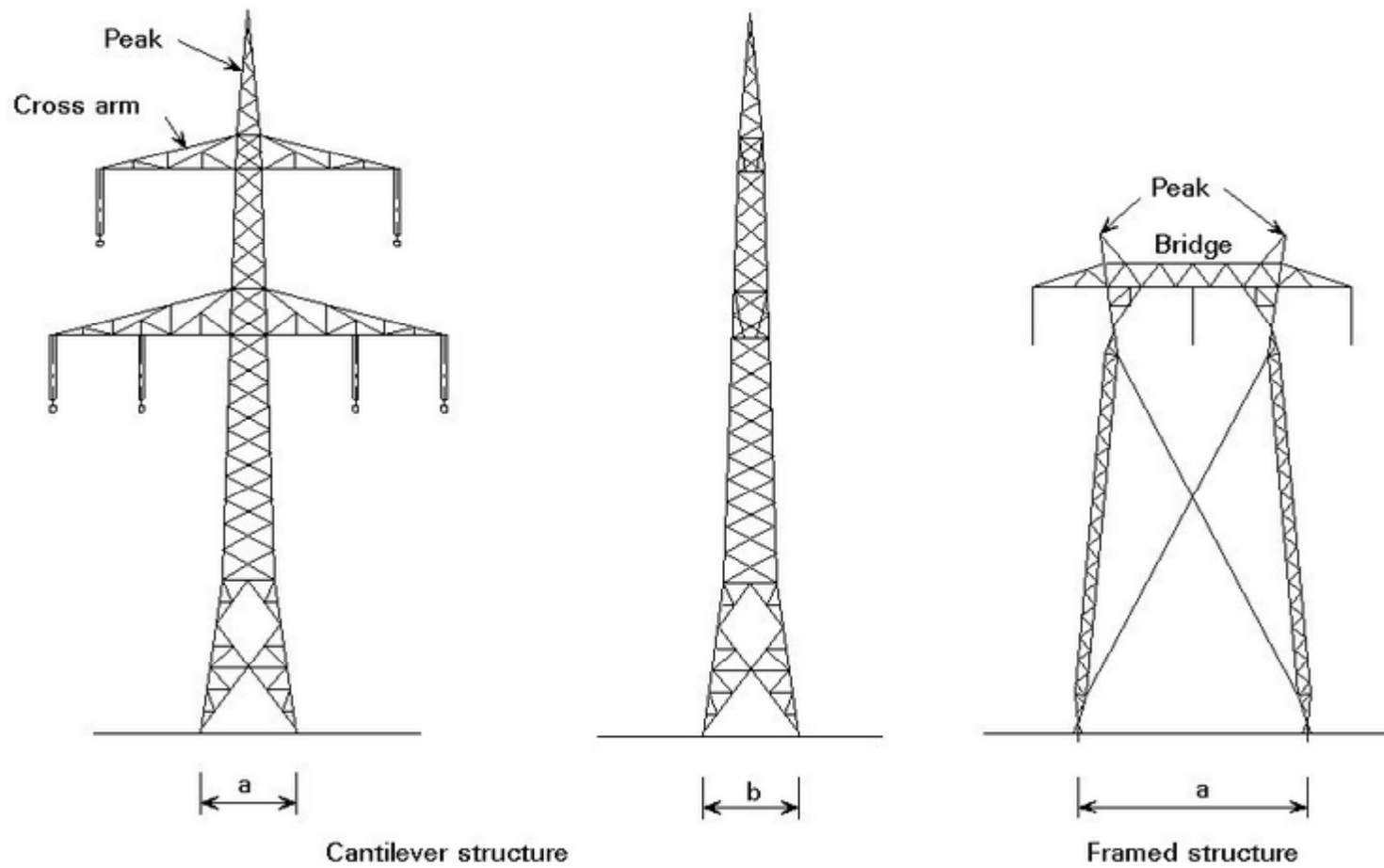
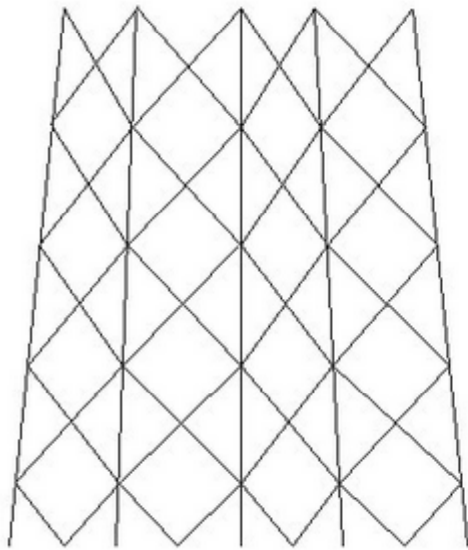
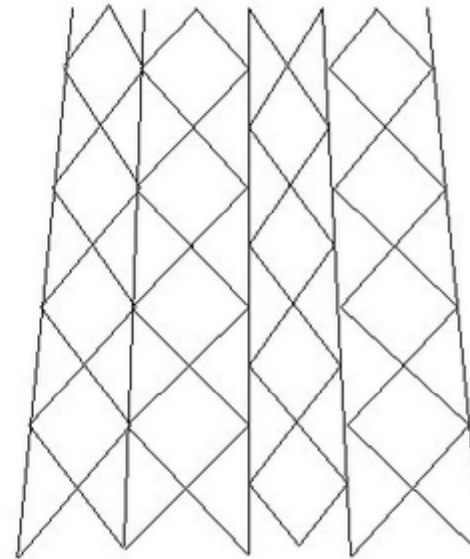


Figure 6 Suspension tower designs



Type a



Type b
Staggered bracing

Figure 7 Cross bracings (unfolded picture)

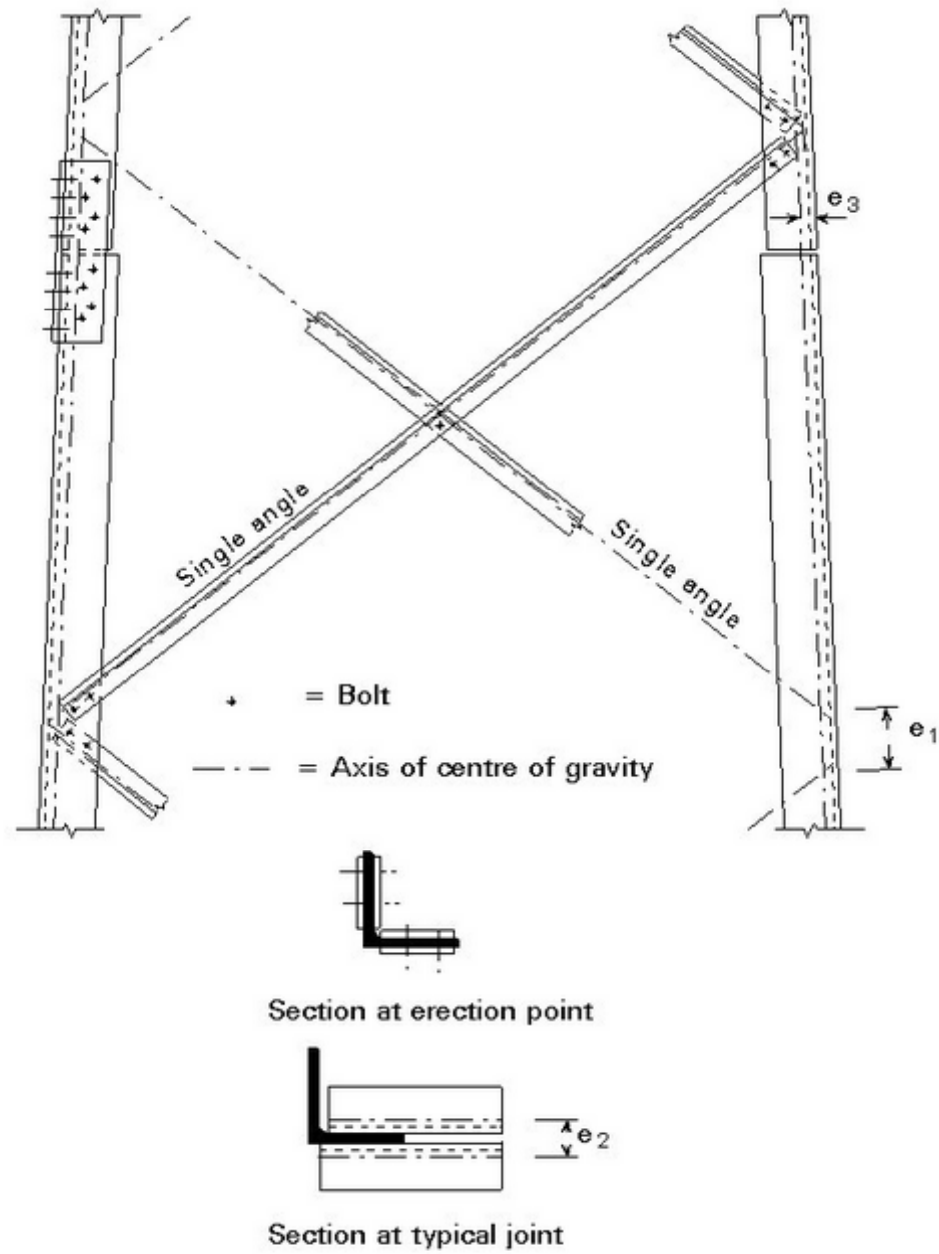


Figure 10 Segment of typical tower face

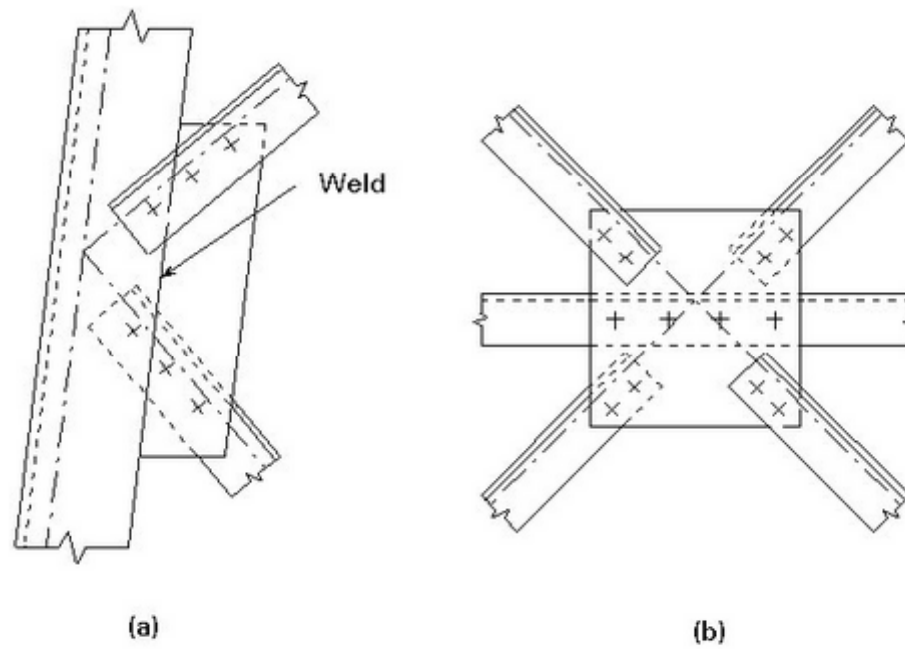


Figure 12 Joints with gusset

ANTENSKI STOLPI



DIMNIKI



JAMBORI

