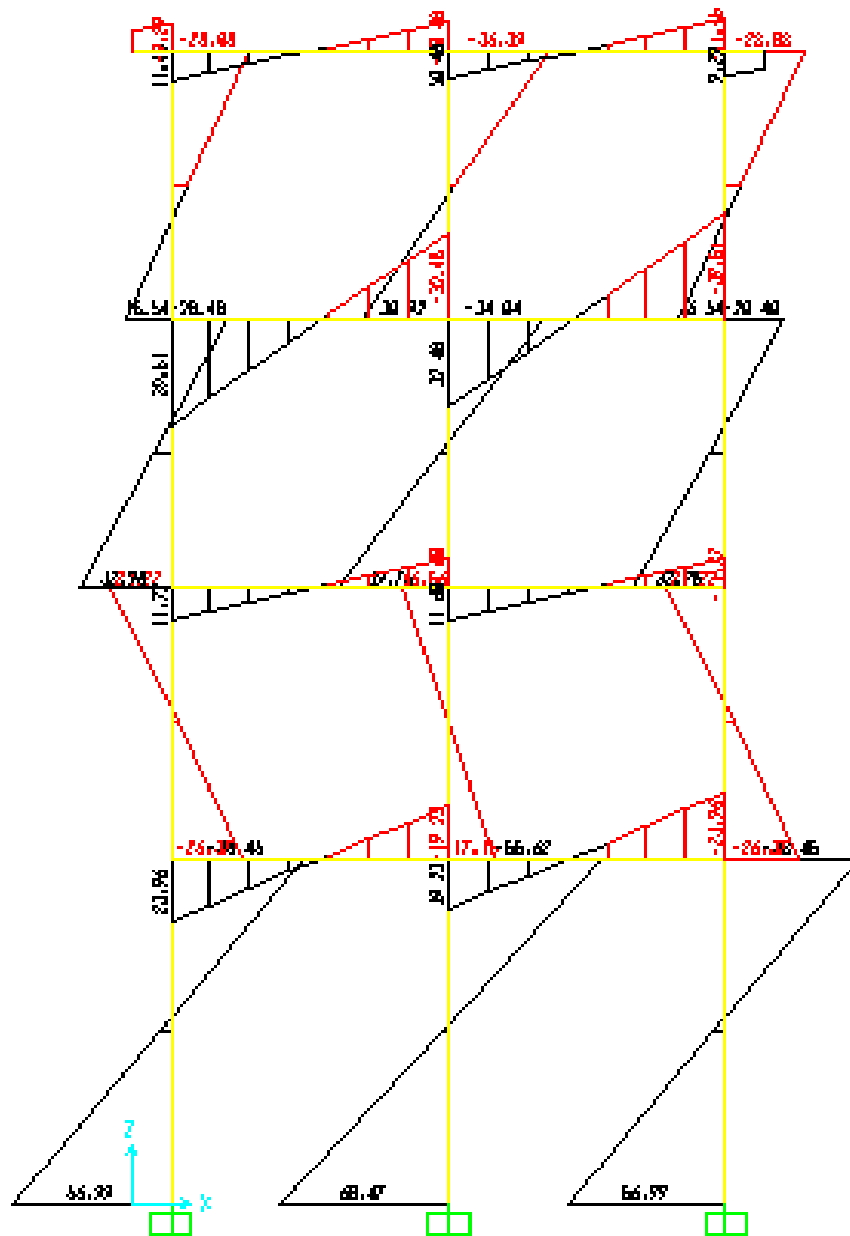


References

1. Khalil Ibrahim, "Design of reinforced concrete water tanks", Structure consultant engineer.
2. W.Domel, "Circular concrete tanks without prestressing", senior structural engineer, PCA (Portland Cement Association).
3. ACI committee 318, Building code requirements for reinforced concrete (ACI-318-14).
4. Nibedita sahoo, "Design of water tank", (B.C) National Institute of Technology Rourakela, India.
5. M.Y.H. Bangash, "Structural detailing in concrete 2 edition", London.
6. George S, "Design of circular concrete tanks".
7. Earthquake resistant building from reinforcement concrete, value (A) the art of construction and detailing.
8. H. Nilson David, Darwin Charles, W. Dolan," Design of Reinforced Concrete Structures", NY10020, The McGraw-Hill Companies, Inc., New York, 2010.
9. R.C. Hibbeler," Structural Analysis Eighth Edition", New Jersey 07458, Pearson Education, Inc., New Jersey, 2012.
10. Dr. Nasr Younis Abboushi," Reinforced Concrete", Palestine Polytechnic University, Palestine, 2013-2014.
11. ASCE/SEI 7-10, American Society of Civil Engineers, "Minimum Design Loads for Buildings and Other Structures", ISBN 978-0-7844-1085-1, USA, 2010.
12. ACI Committee 318, "Building Code Requirements for Structural Concrete (ACI 318-11) and Commentary, USA, 2011.
13. ACI Committee 318-08, "Building Code Requirements for Structural Concrete and Commentary &PCA Notes on 318-08", USA, 2008.
14. Pr. Yassin S. Sallam " Reinforcement concrete design" 0525-351.
15. Braja M. Das "Principles of foundation engineering " sixth edition.

Appendix



**Fig (A.1): Rectangular water tank- columns and bracing moment
Due to wind load**

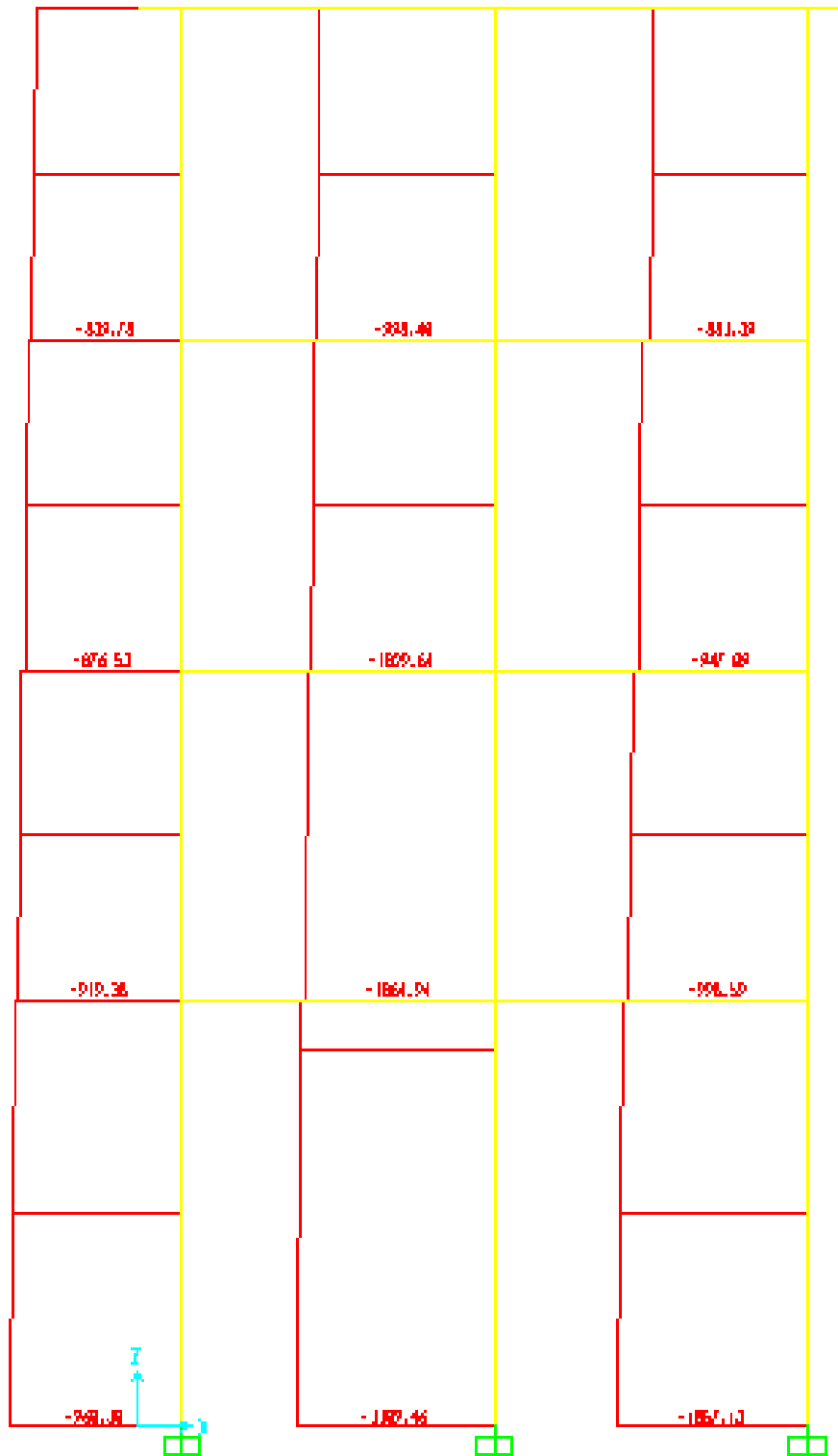


Fig (A.2): Rectangular water tank - columns axial load due to Combination (6)

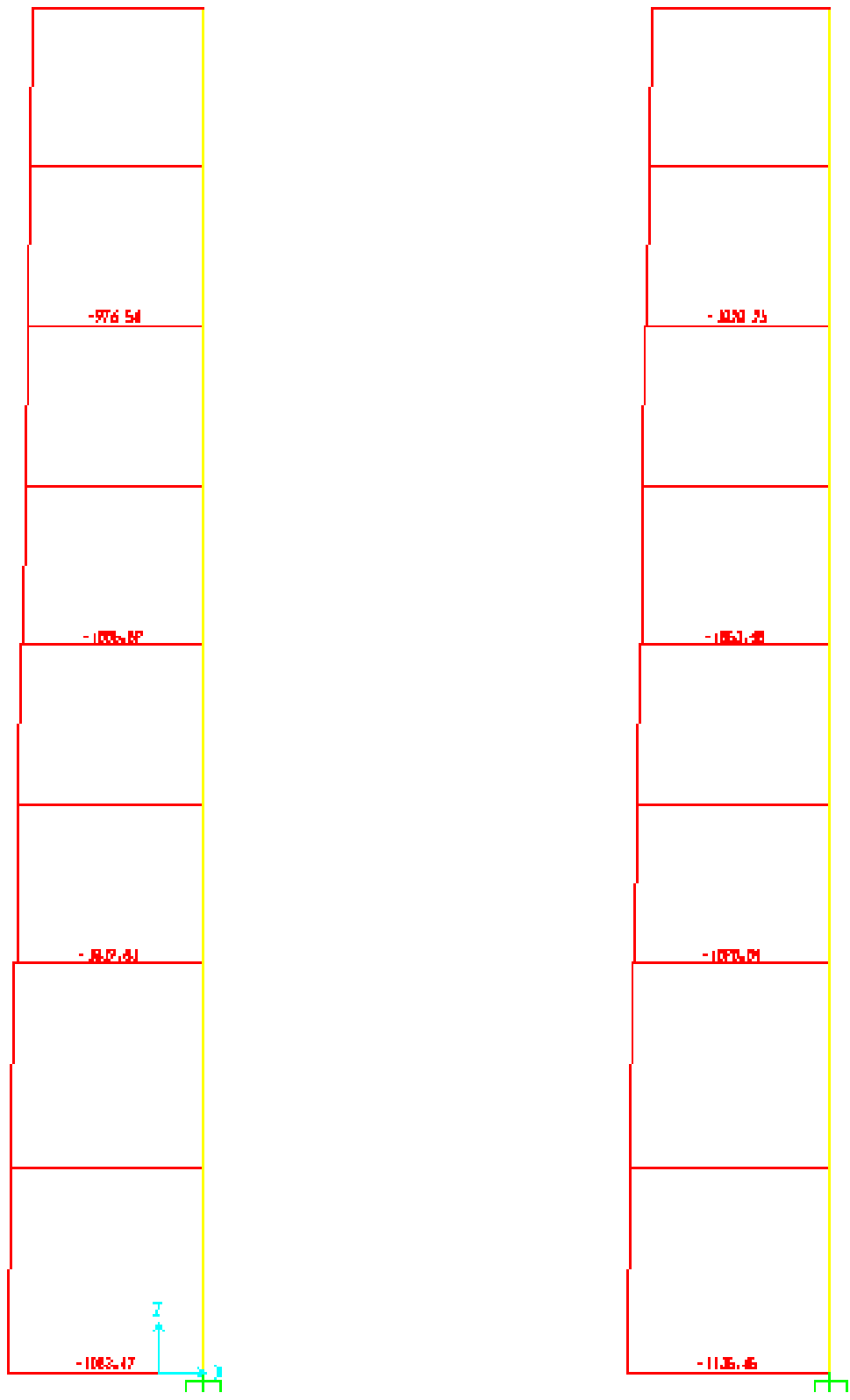


Fig (A.3): Rectangular water tank-columns axial load due to Combination (6)

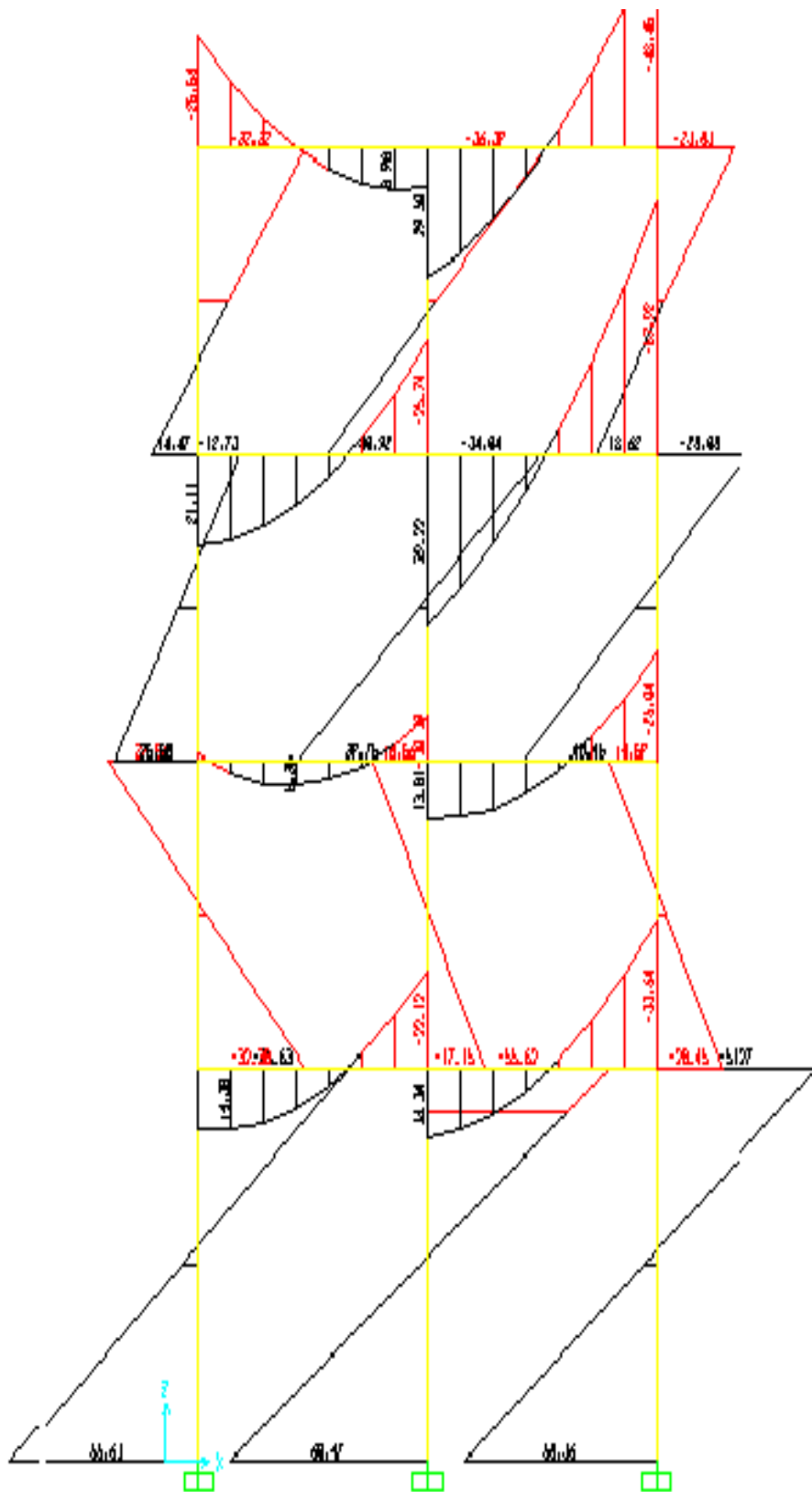


Fig (A.4): Rectangular water tank-columns moment due to combination (3)

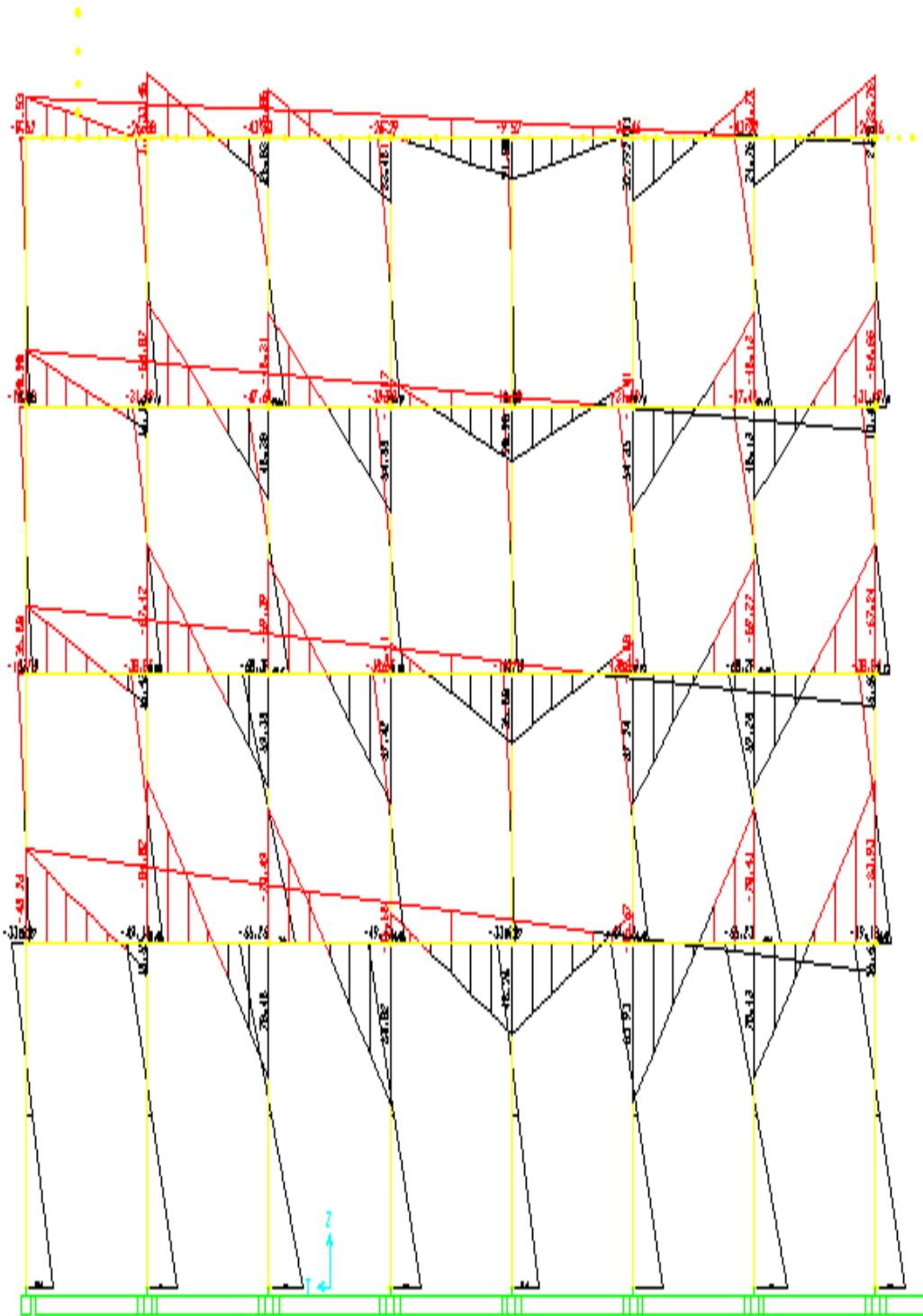


Fig (A.5): Circular water tank-columns moment due to wind load

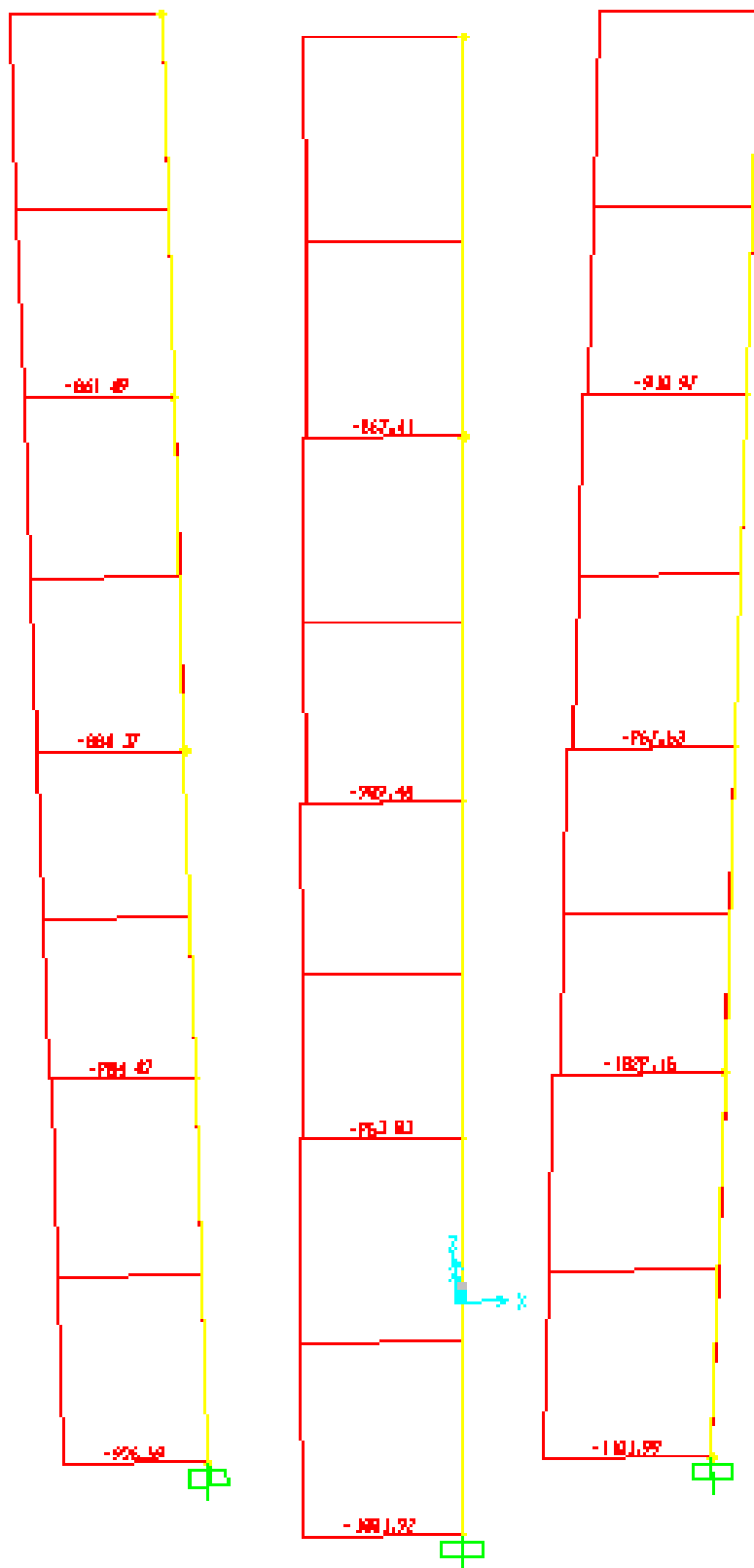


Fig (A.6): Circular water tank-columns axial load due to combination (6)

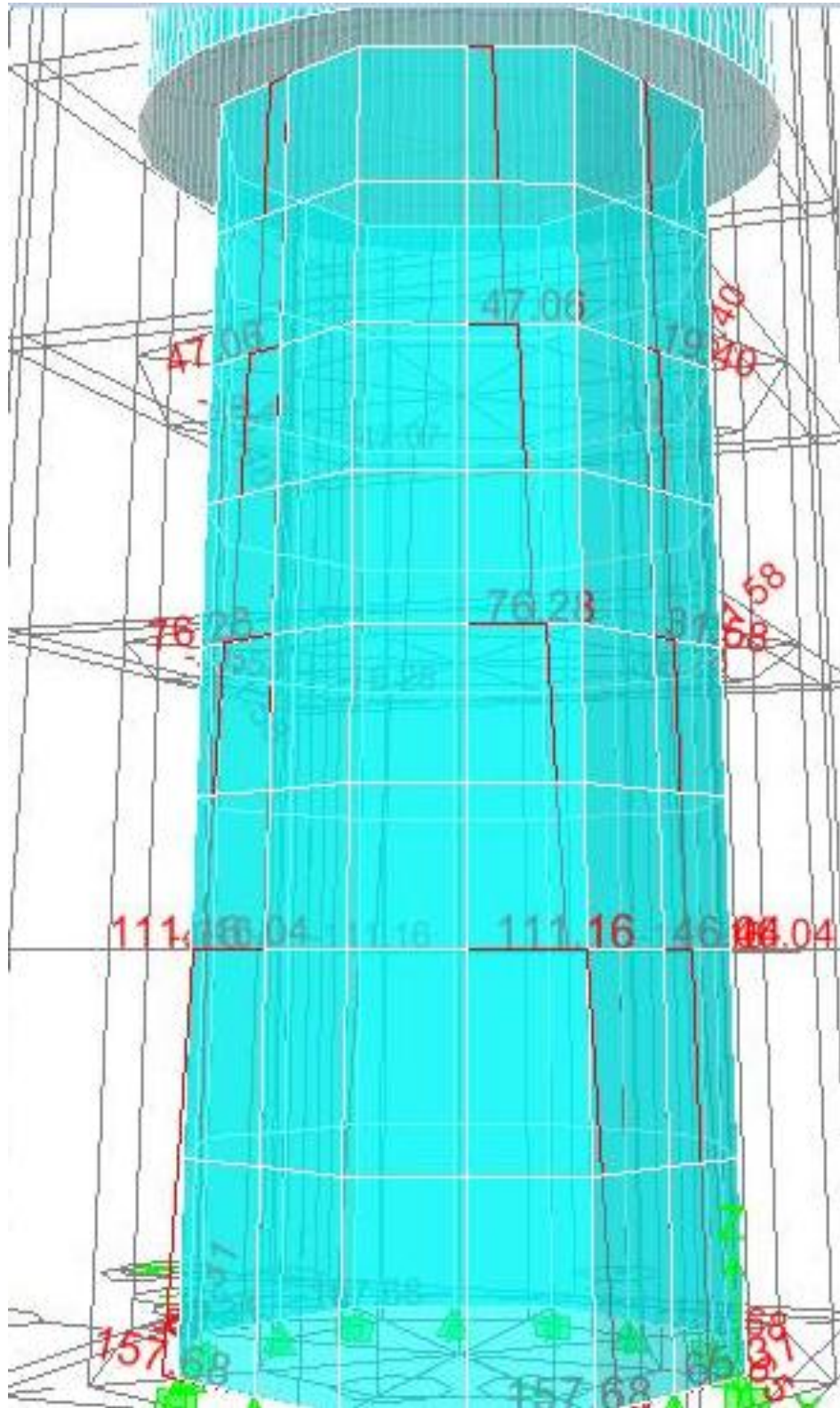


Fig (A.7): circular water tank-wall axial due to wind load

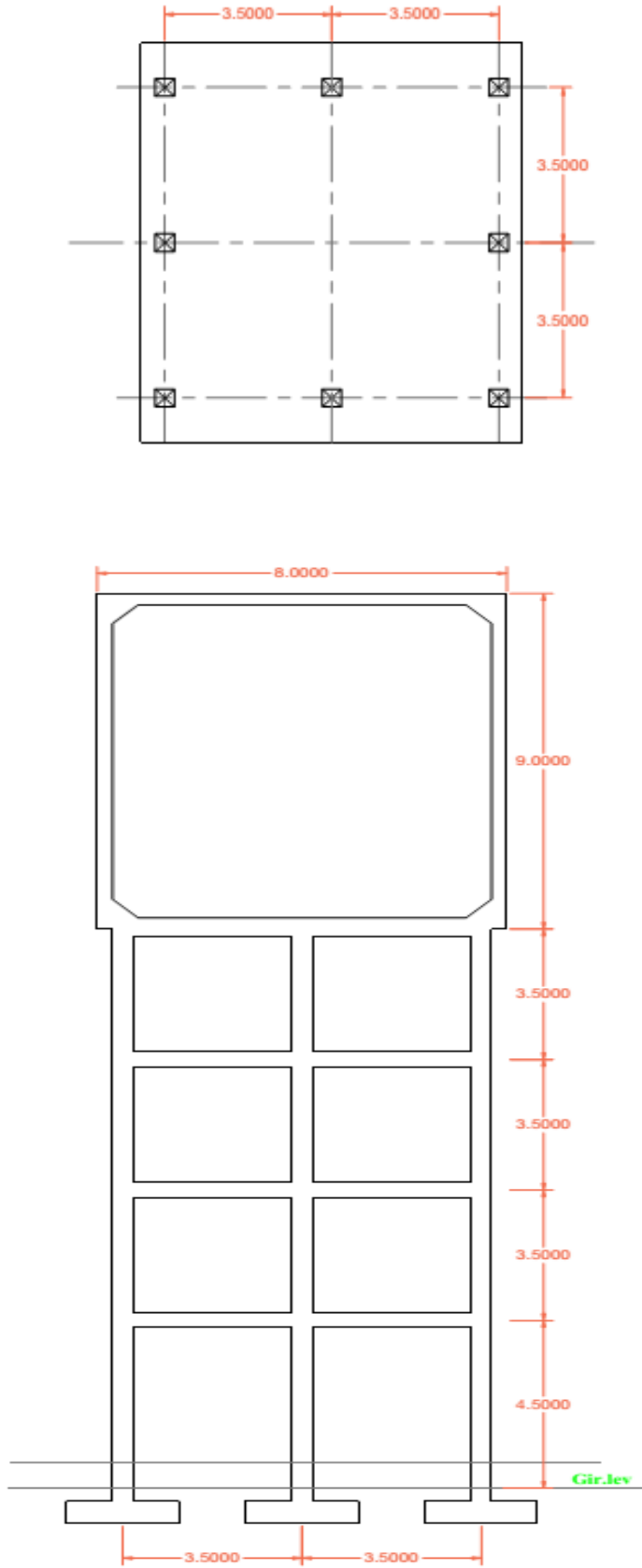
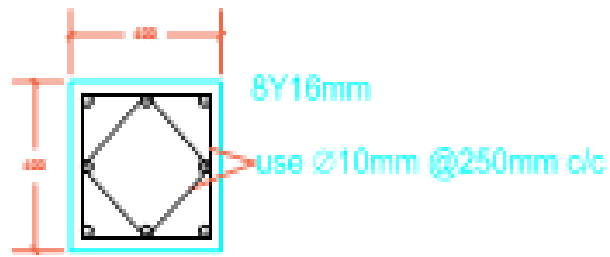
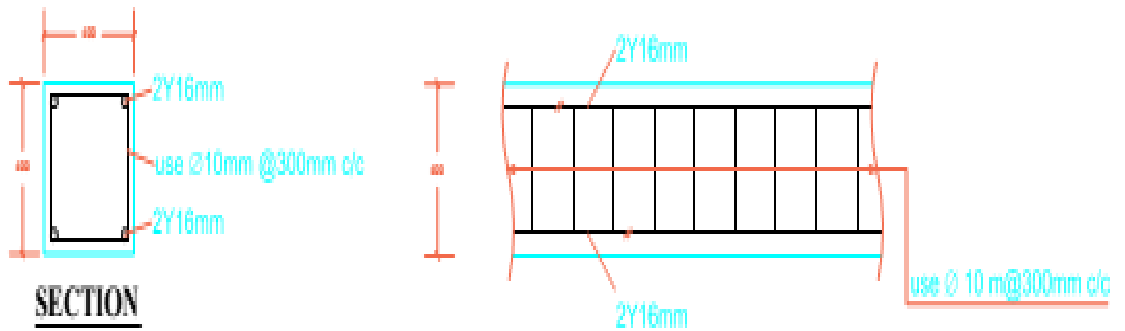


Fig (A.8): Rectangular water tank-plan & elevation

C1



Bracing beam



G.B

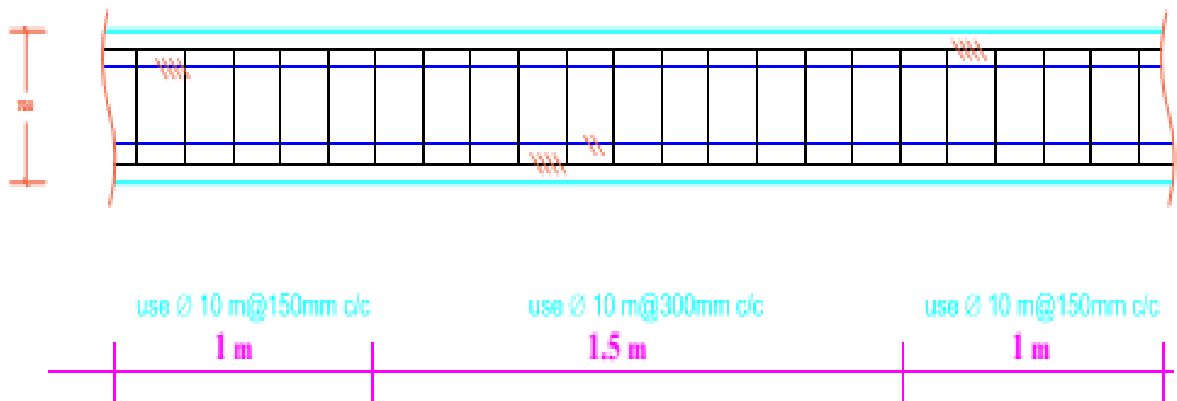
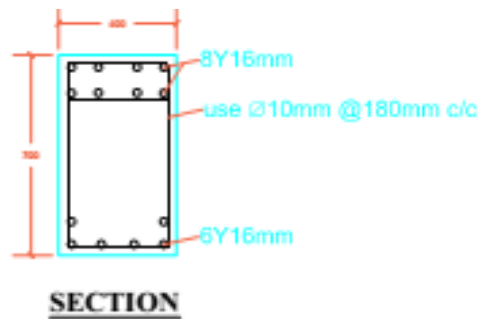


Fig (A.9): Rectangular water tank-columns & beams structure drawing

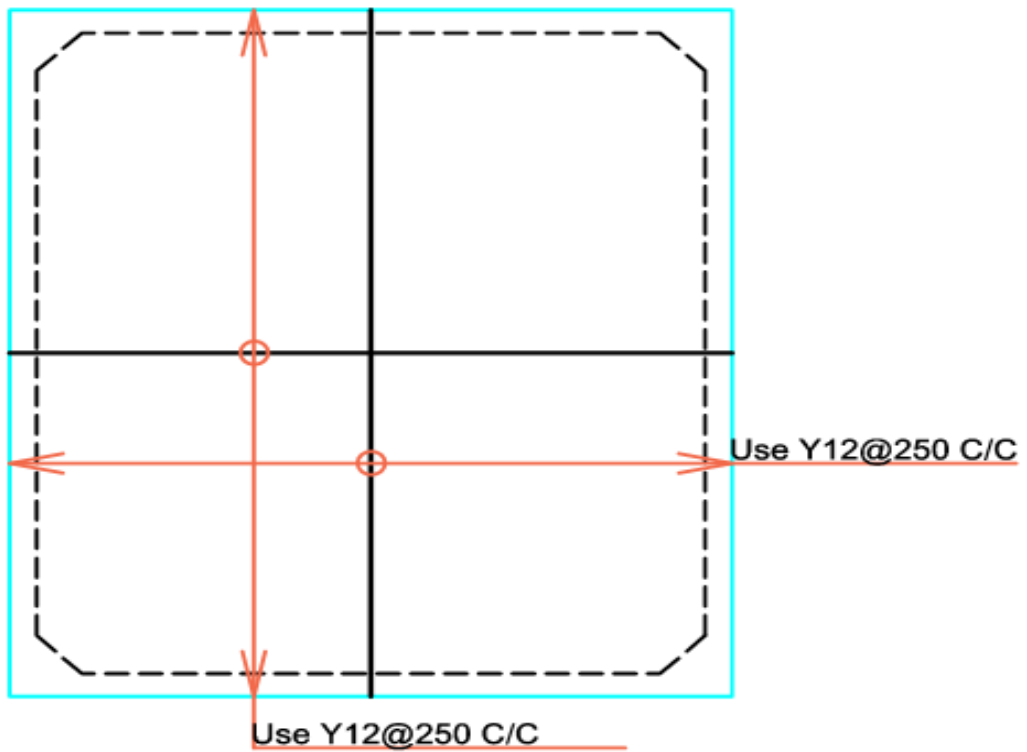


Fig (A.10): Rectangular water tank-Top slab structure drawing

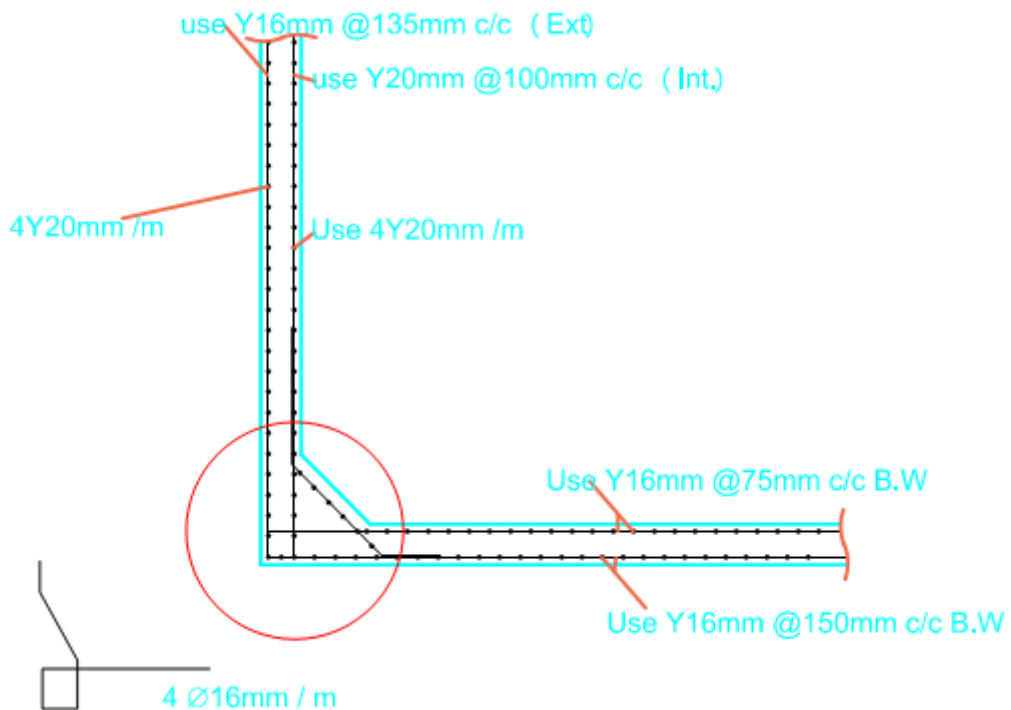


Fig (A.11): Rectangular water tank-Wall details

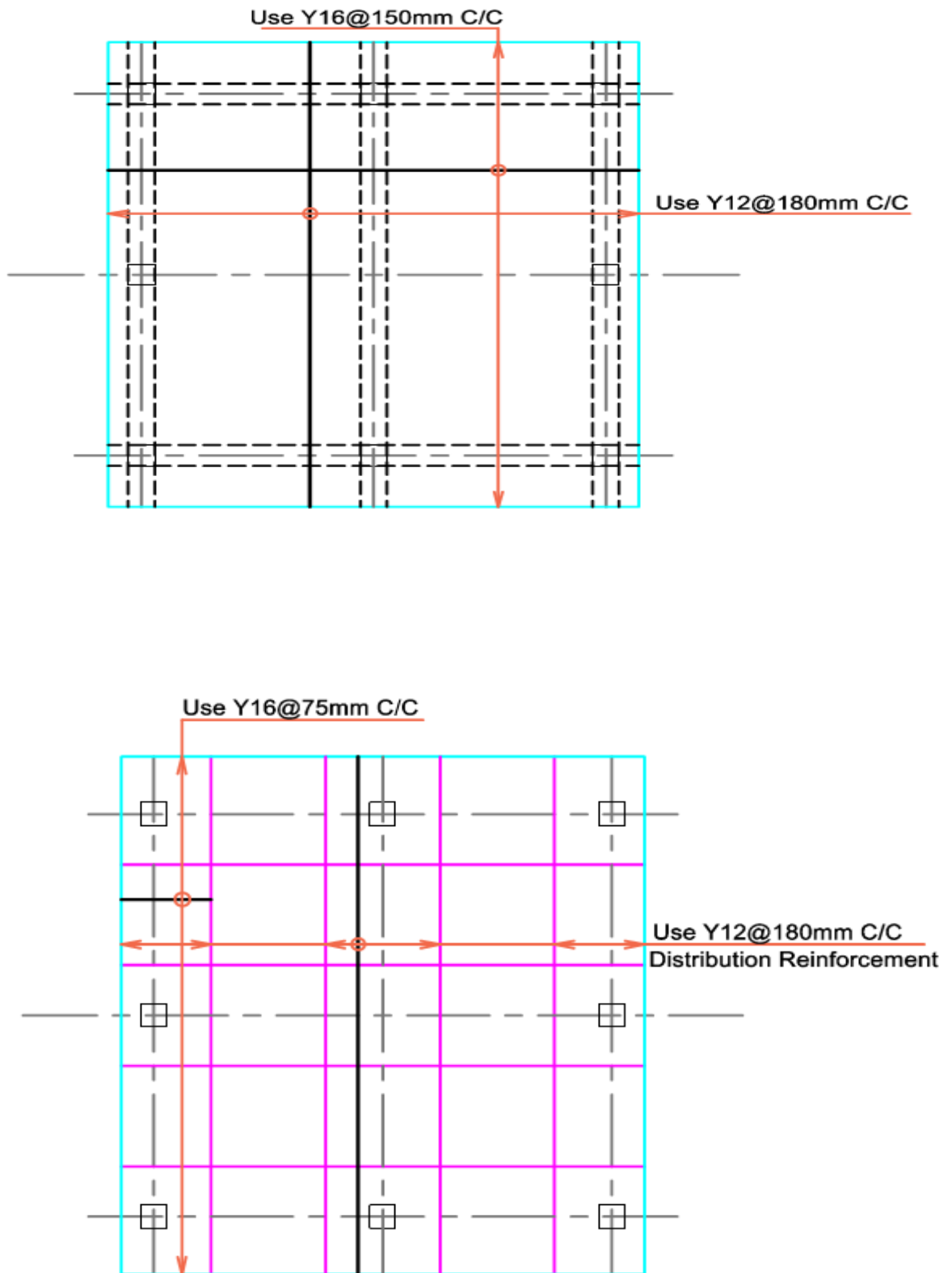


Fig (A.12): Rectangular water tank-Bottom slab structure drawing

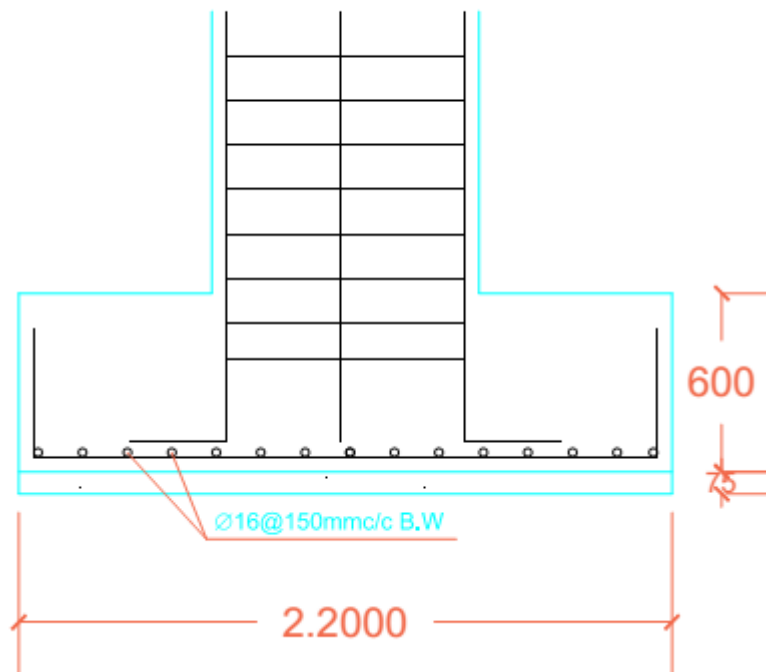
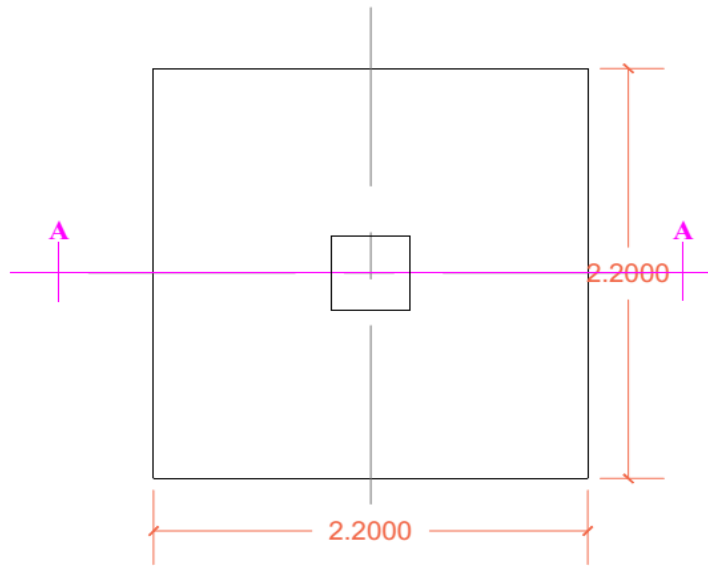


Fig (A.13): Rectangular water tank-Foundation details

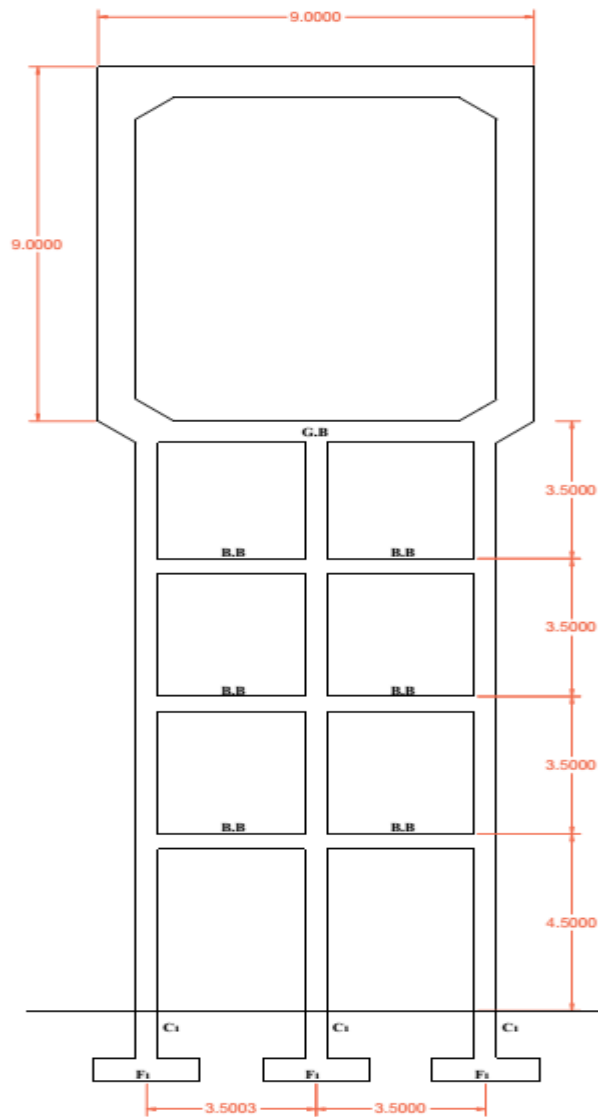
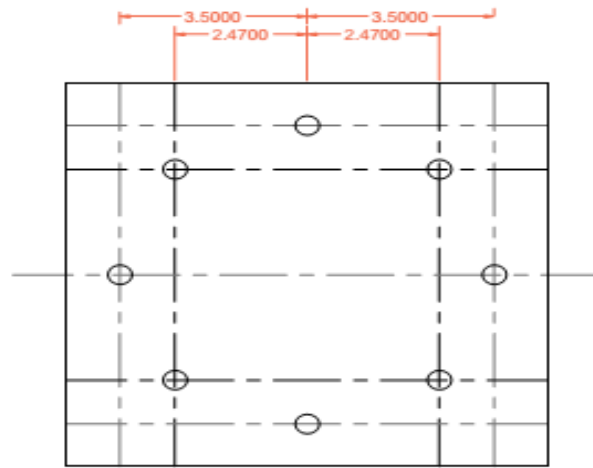


Fig (A.14): Circular water tank-plan & elevation

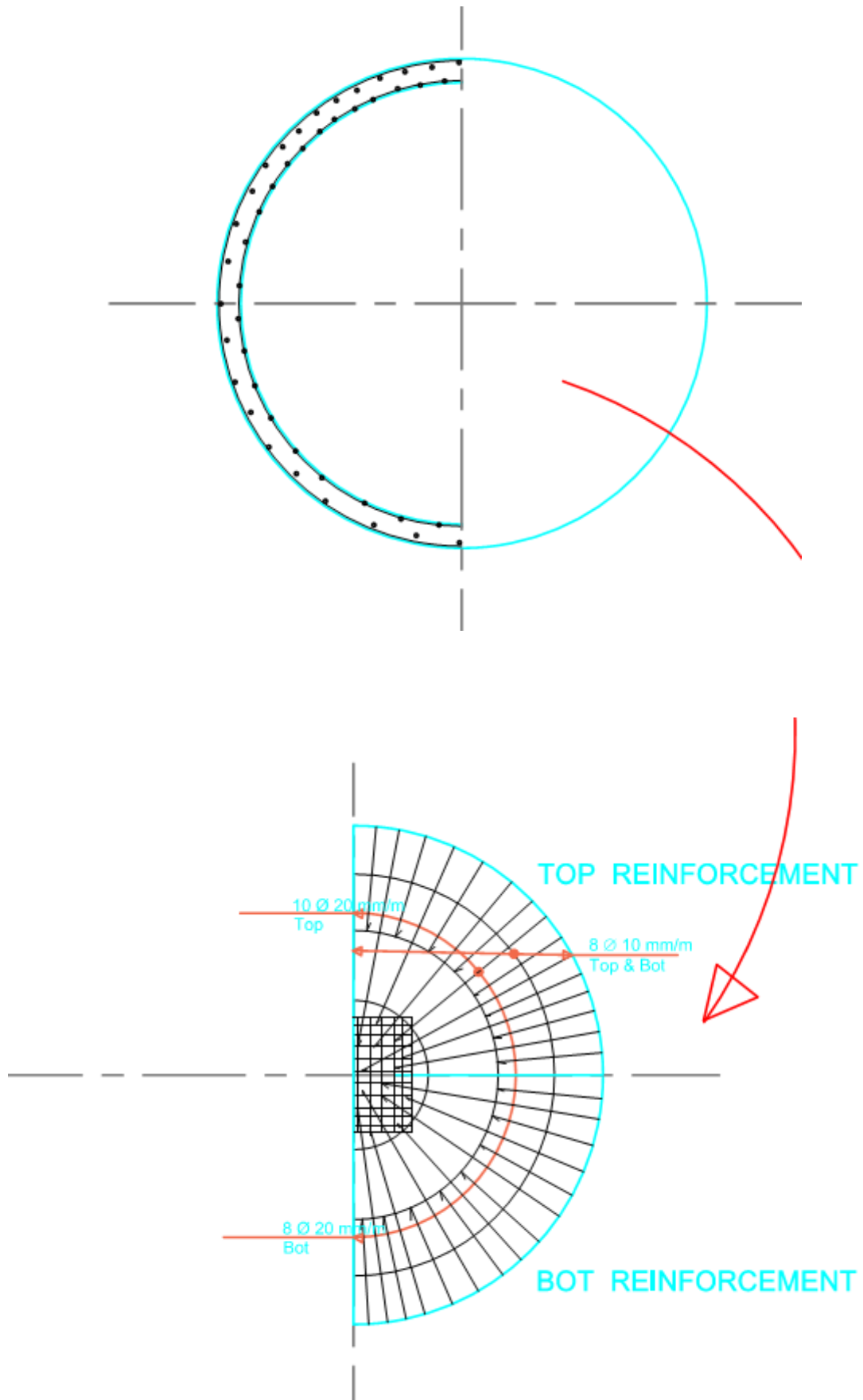


Fig (A.15): Circular water tank-Top& bottom slab reinforcement

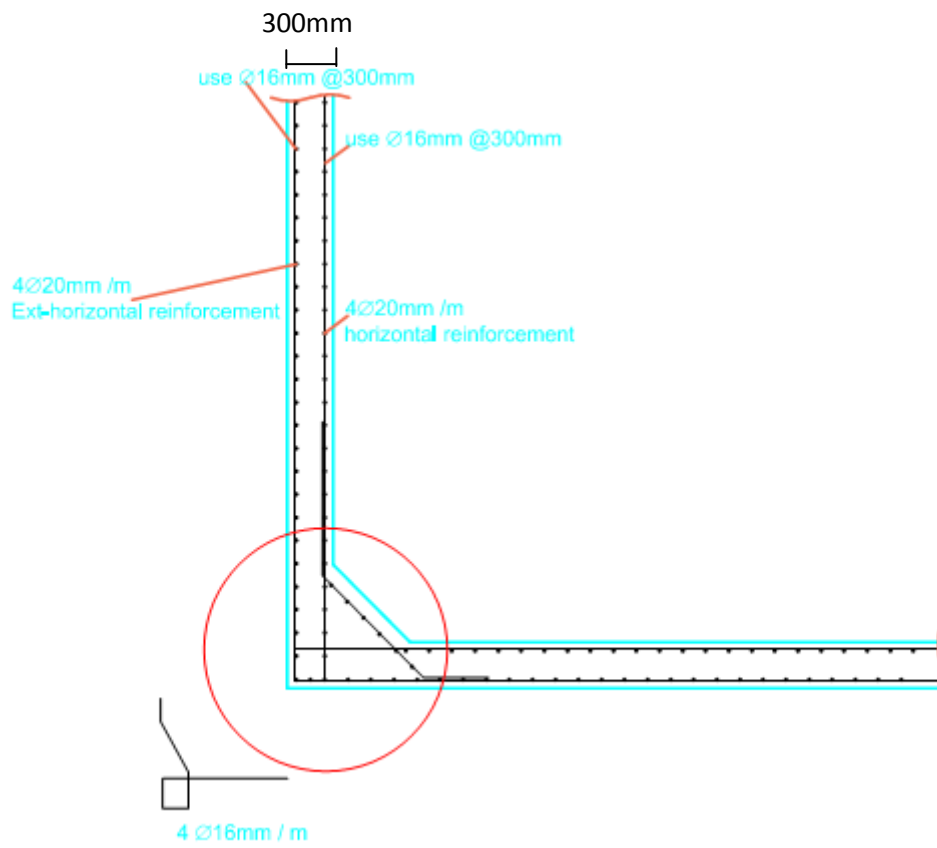
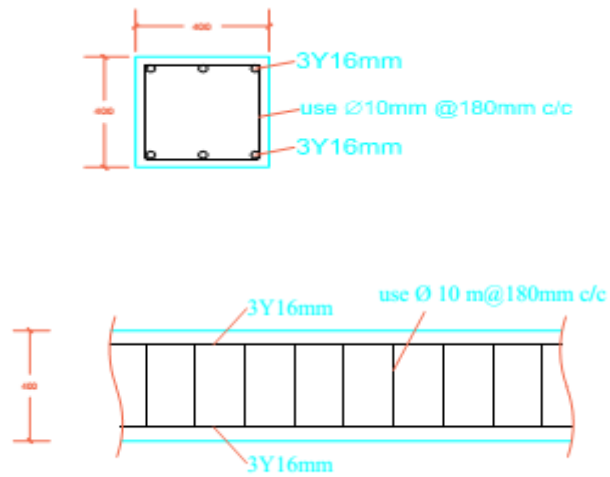
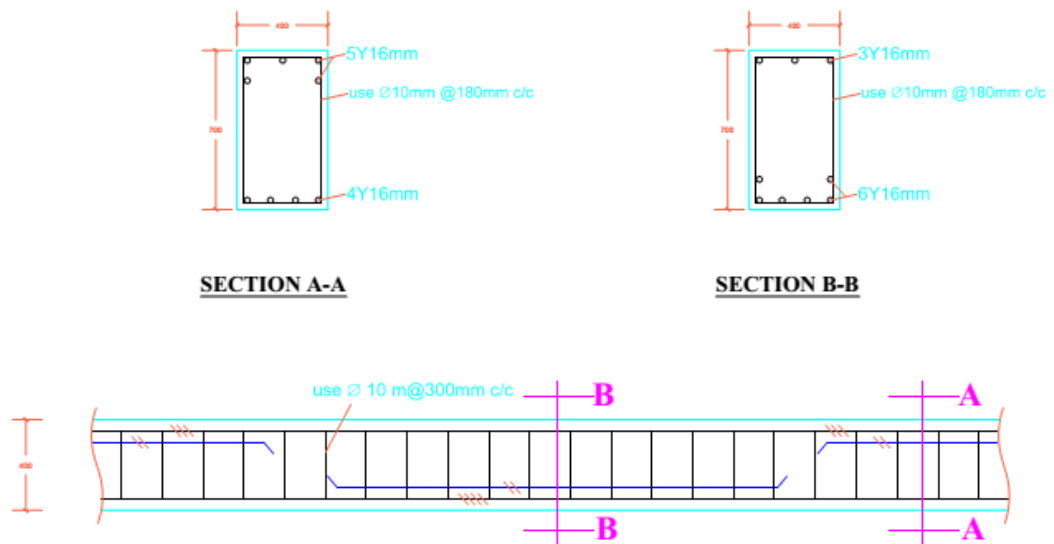


Fig (A.16): Circular water tank-Wall reinforcement

B.B



G.B



C1

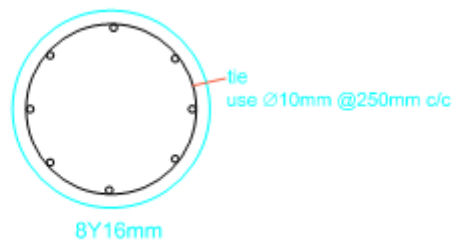
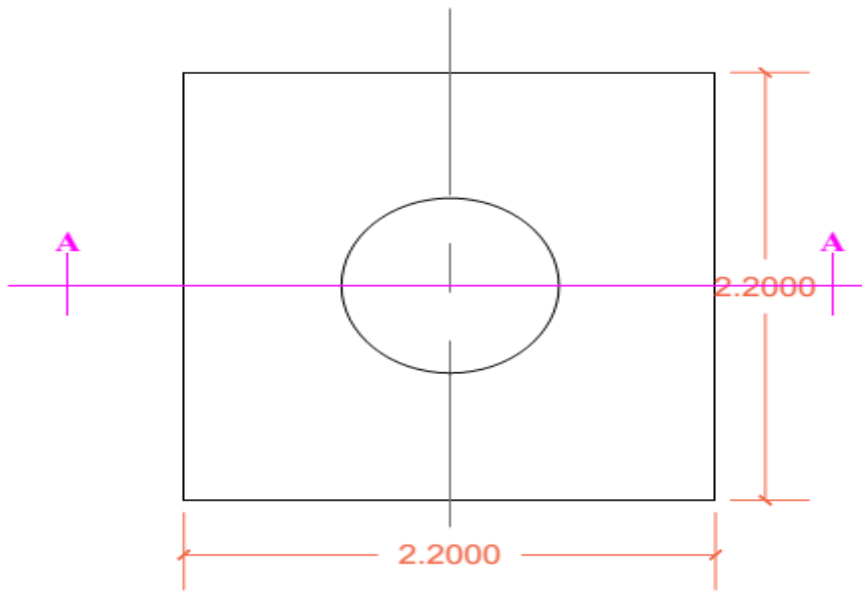


Fig (A.17): Circular water tank-Beam & Columns details



Section A-A

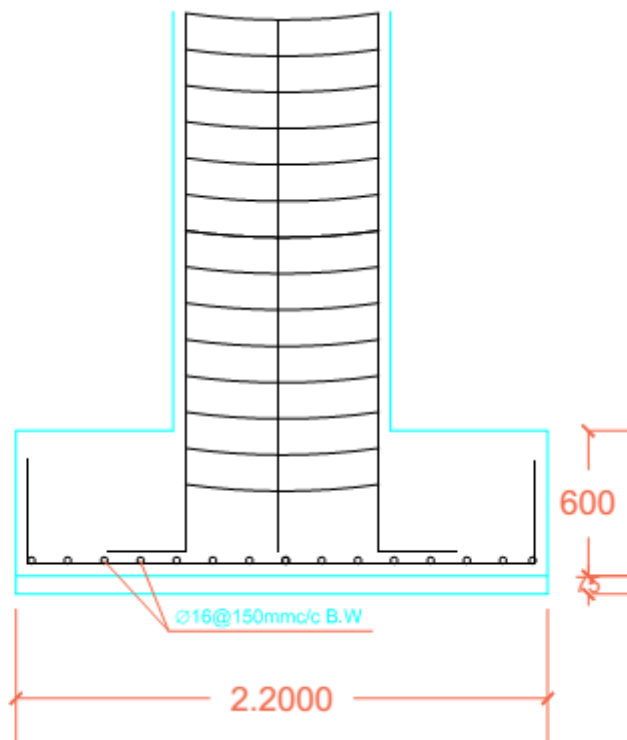


Fig (A.18): Circular water tank-Foundation details