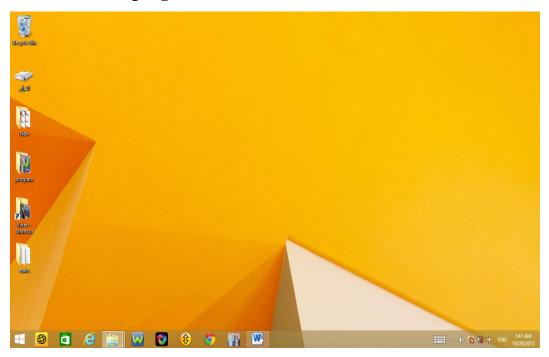
Explanation images for the work procedure by ETABS program:

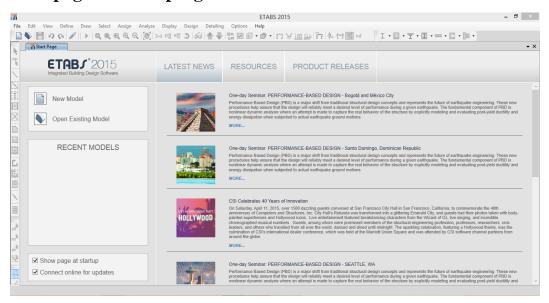
click the Etabs program icon



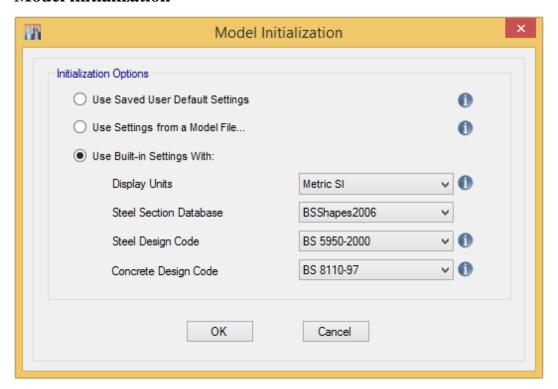
Etabs Program opening page



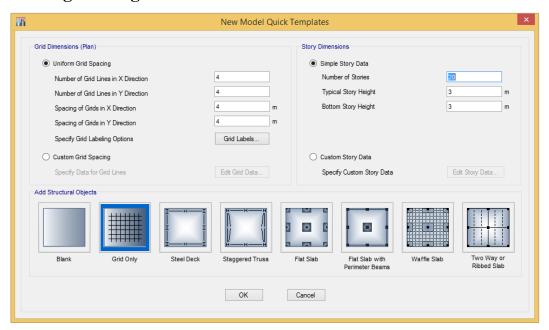
First page in Etabs program



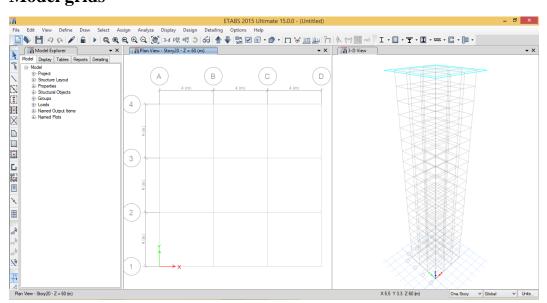
Model initialization



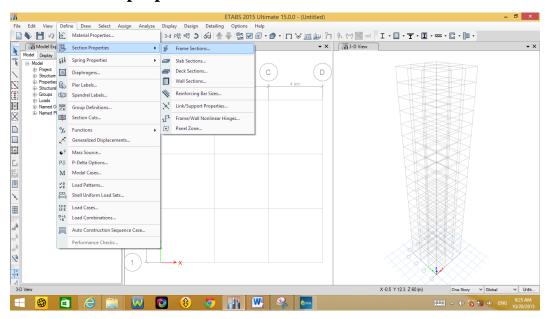
Making model grids



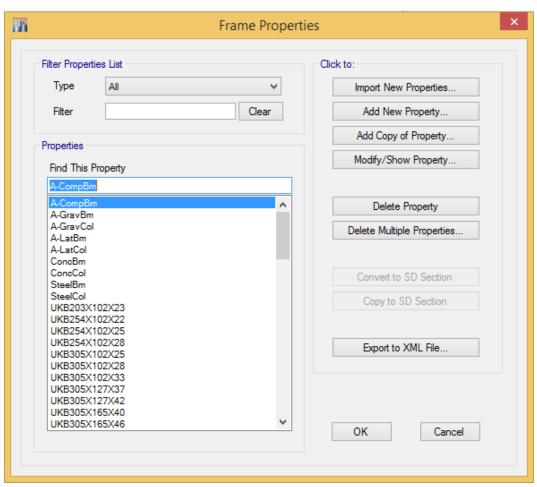
Model grids



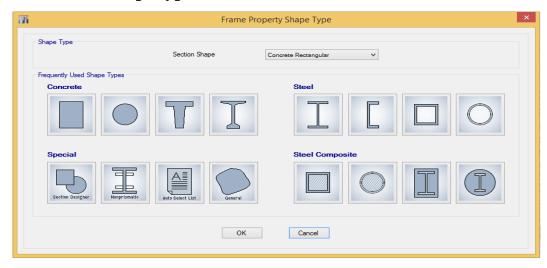
Define section properties



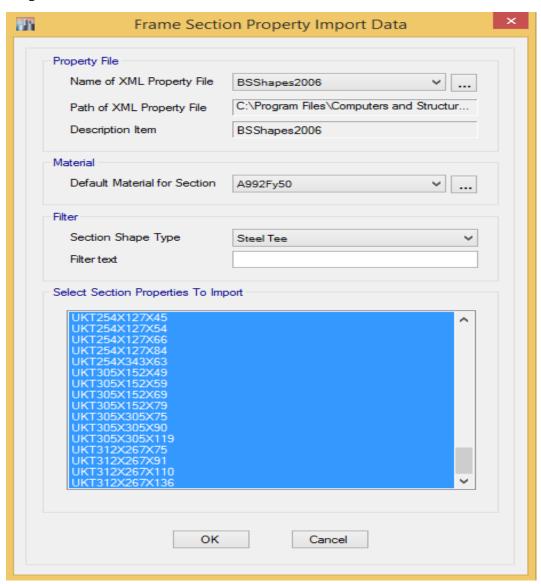
Import new properties



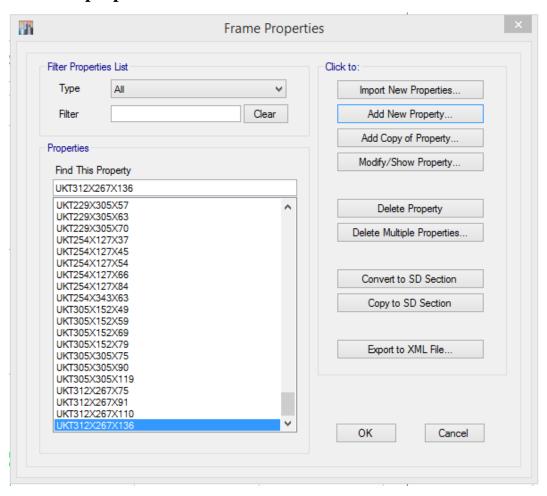
Selection of shape type



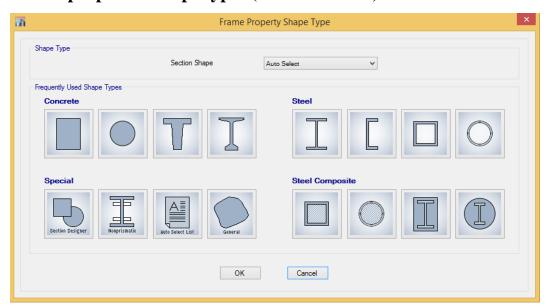
Import data



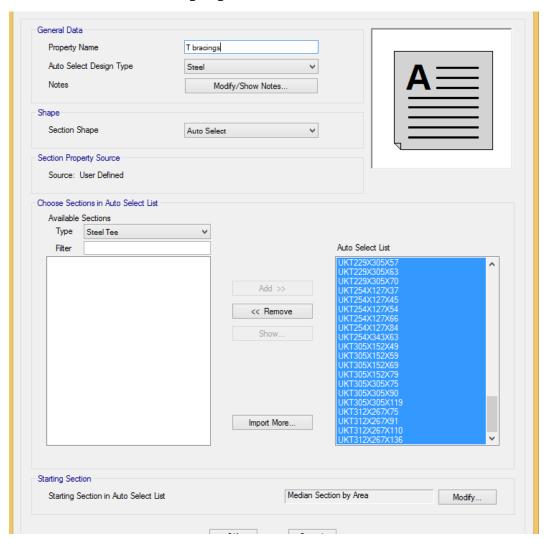
Add new properties



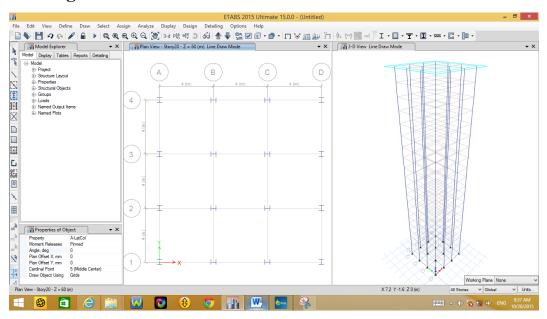
Frame properties shape types (auto selections)



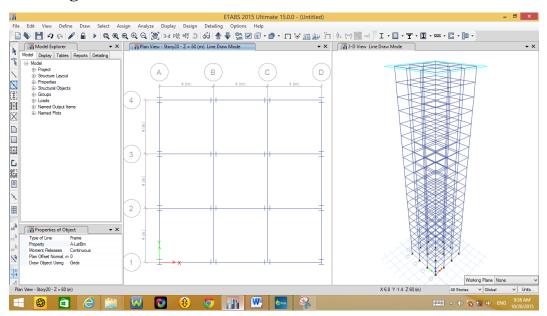
Data of Frame section properties



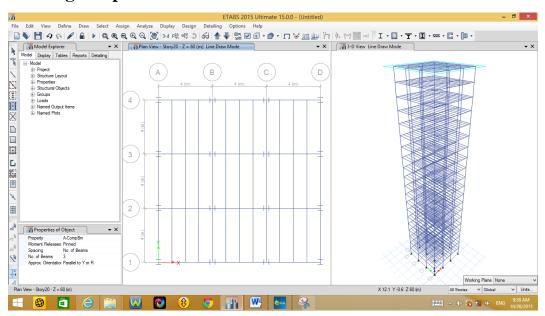
drawing Columns



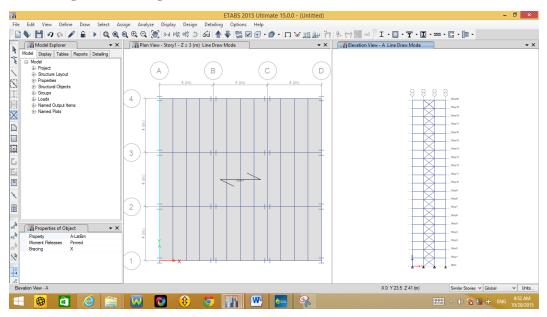
Drawing Beams



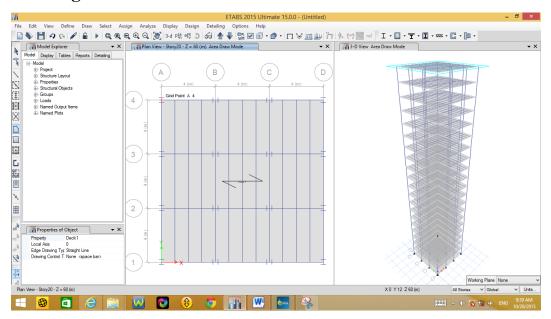
drawing composite beams



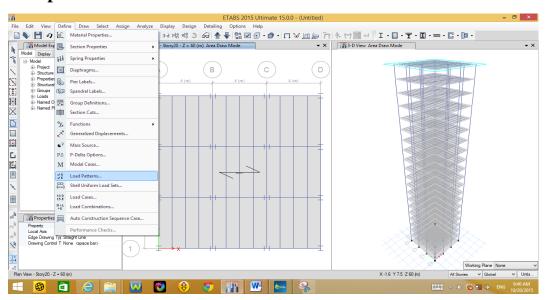
Drawing of bracing



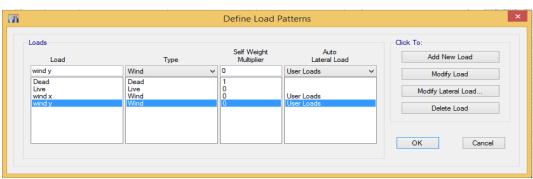
Drawing of decks



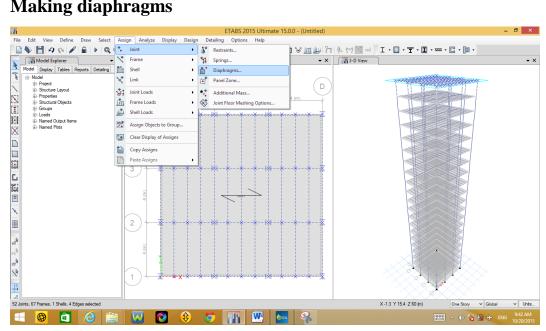
load pattern define



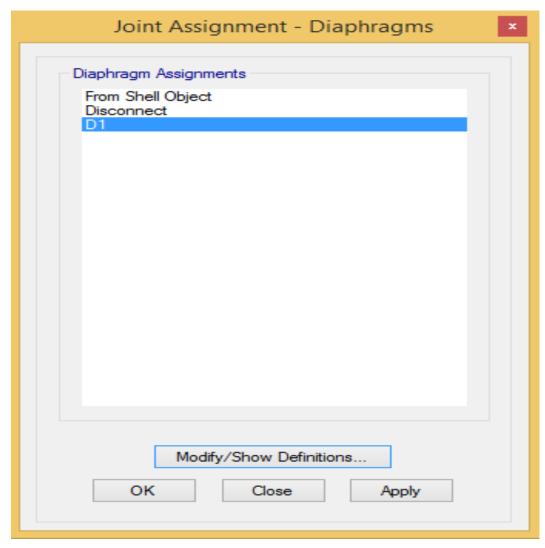
Load pattern



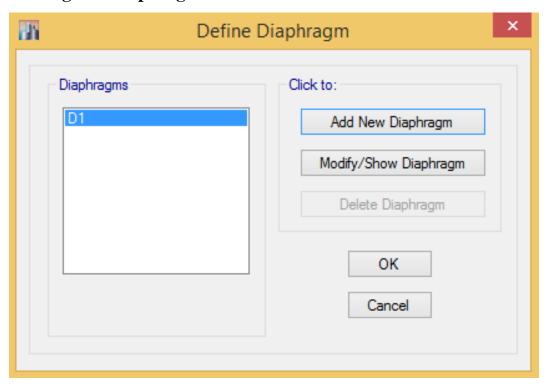
Making diaphragms



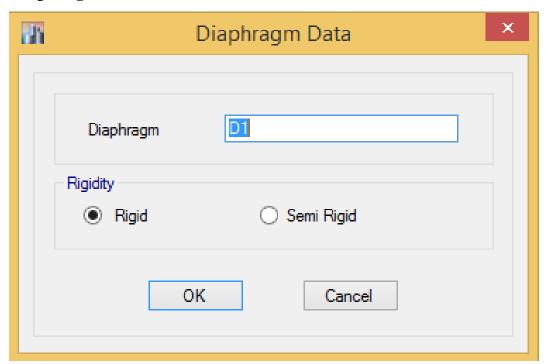
joint diaphragms assignment



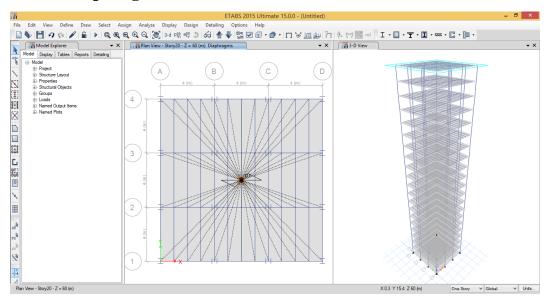
Making new diaphragms



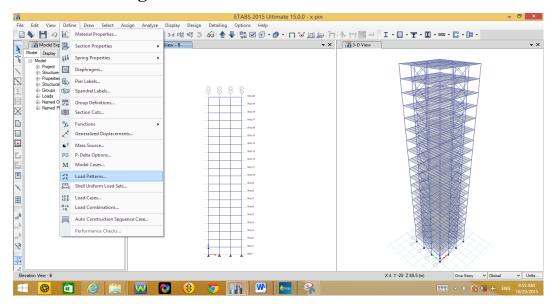
Diaphragm data



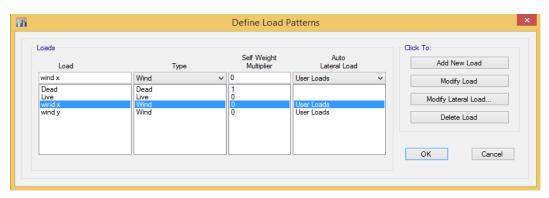
Frame diaphragms



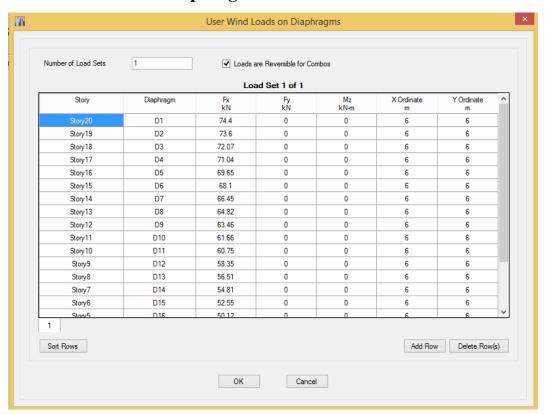
Wind loads assignment



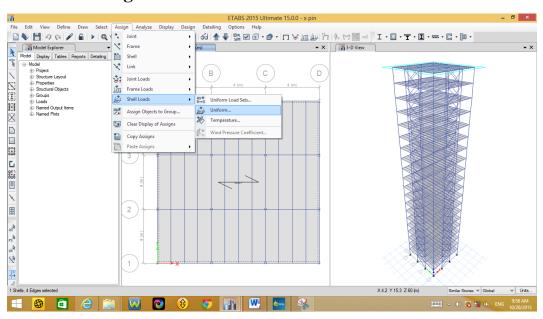
define of wind load



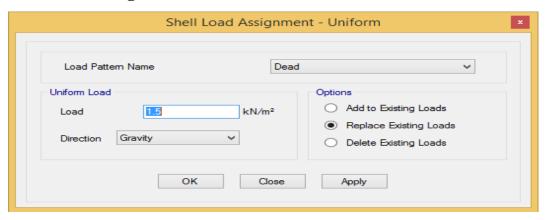
User wind loads on diaphragms



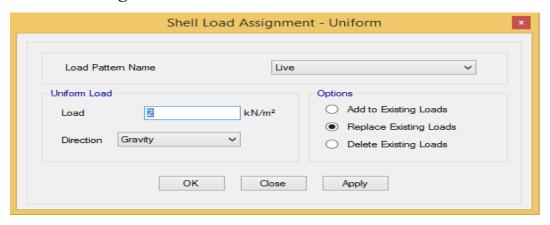
shell loads assignment



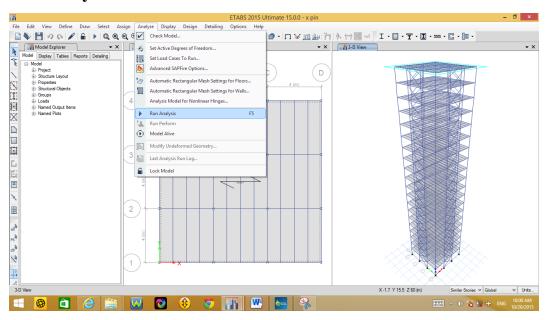
dead loads assignment



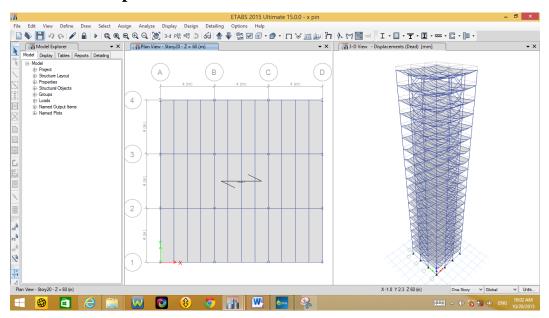
live loads assignment



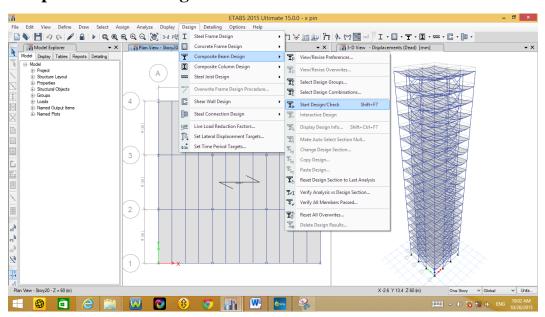
Run analysis



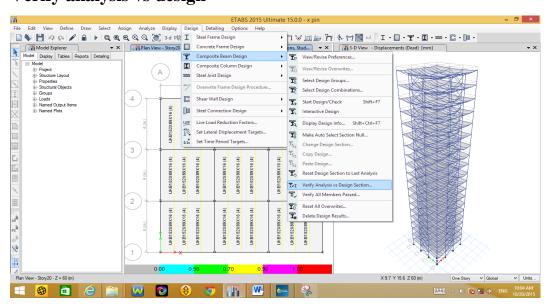
Deformed shape

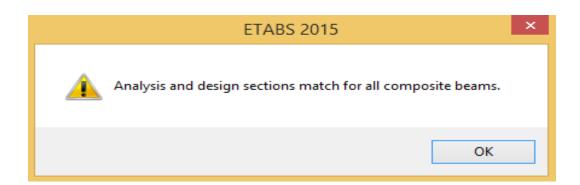


composite beams design

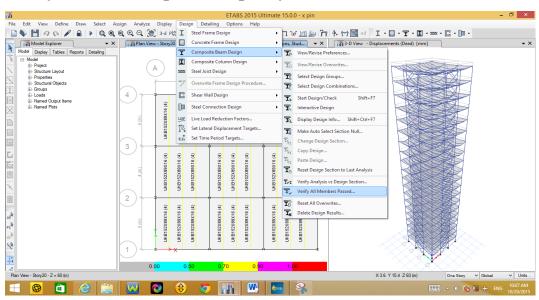


Verify analysis vs design

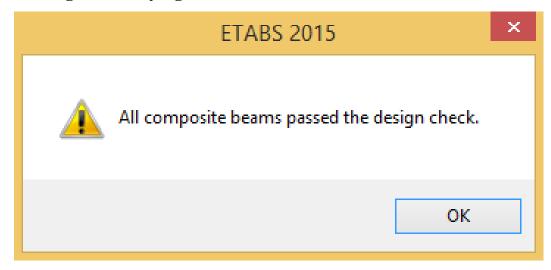




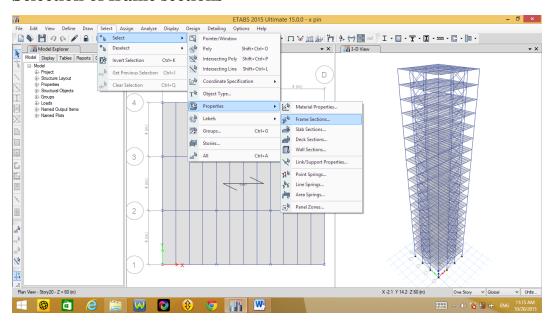
Verify all members passed capacity check



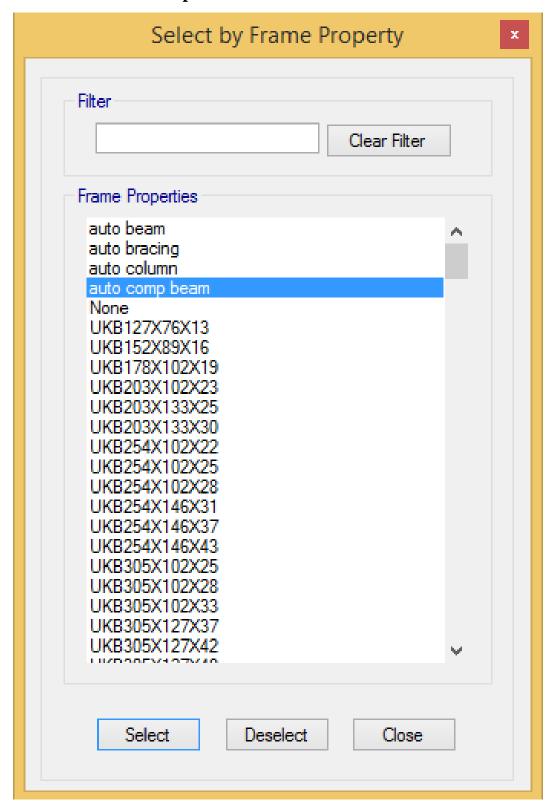
Massage of satisfying the check



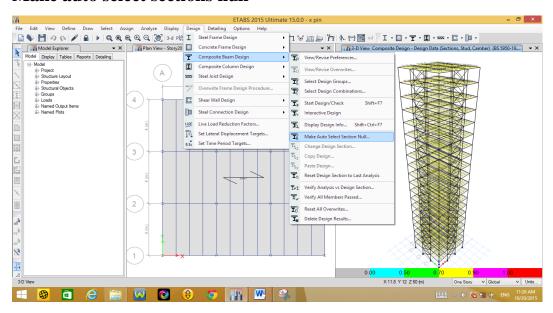
Selection of frame sections



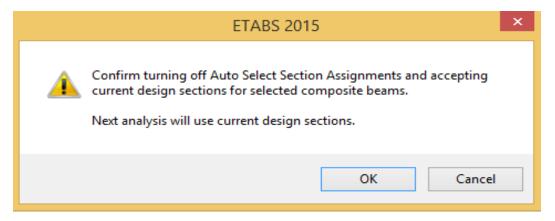
Selection of auto composite beams



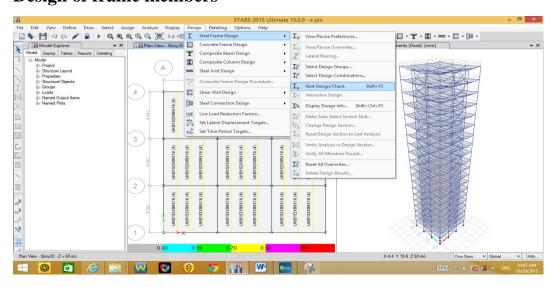
Make auto select sections null



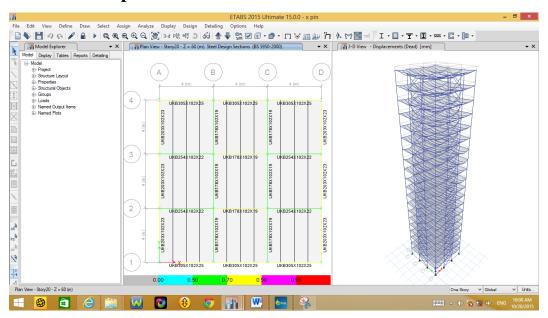
Massage of agreement



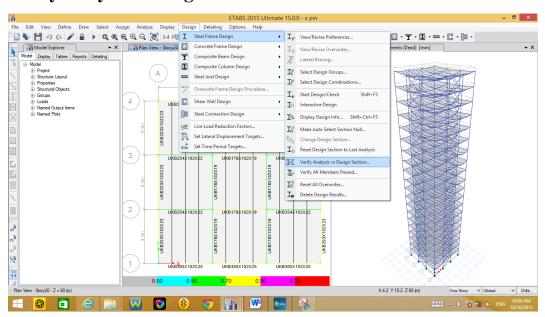
Design of frame members



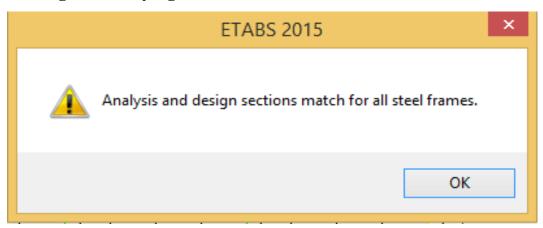
Deformed shape



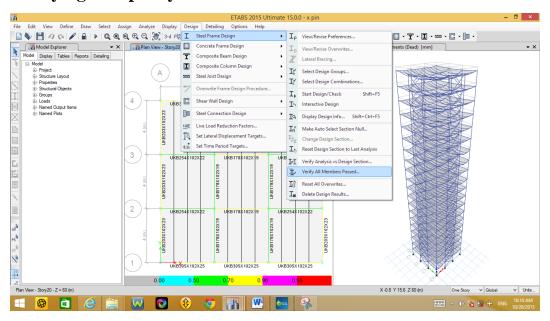
Verify analysis vs design



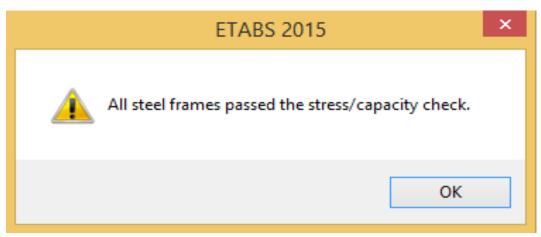
Massage of satisfying the check



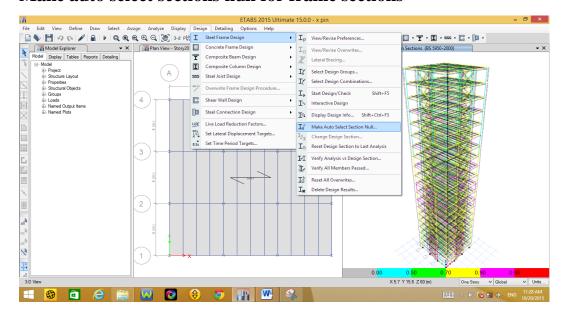
Verifying of capacity



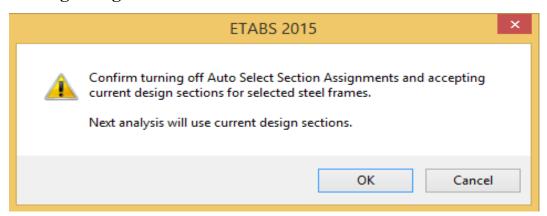
Massage of satisfying the check



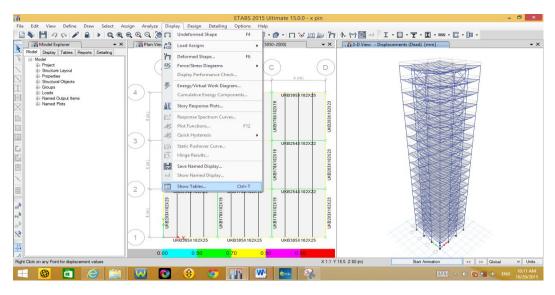
Make auto select sections null for frame sections



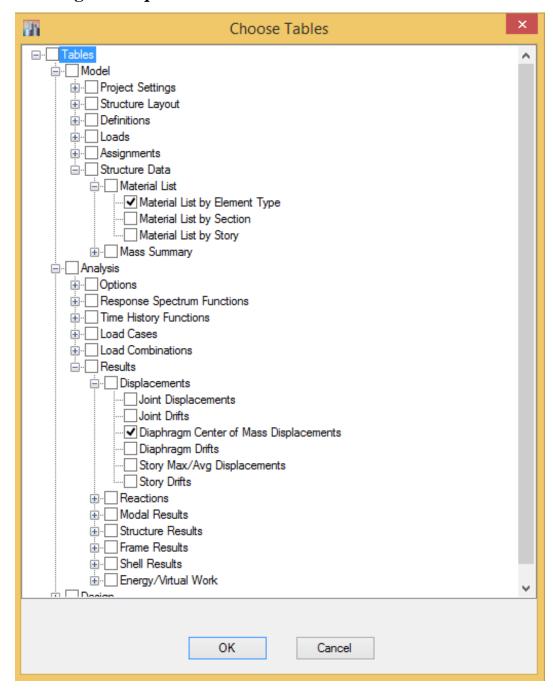
Massage of agreement



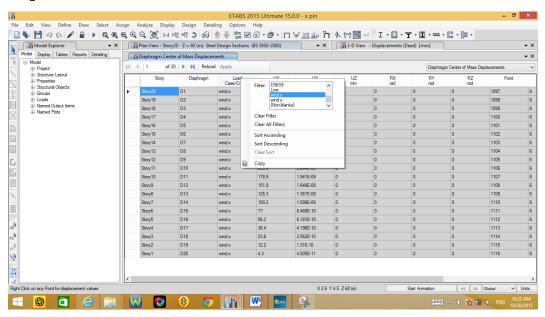
Show the tables of results



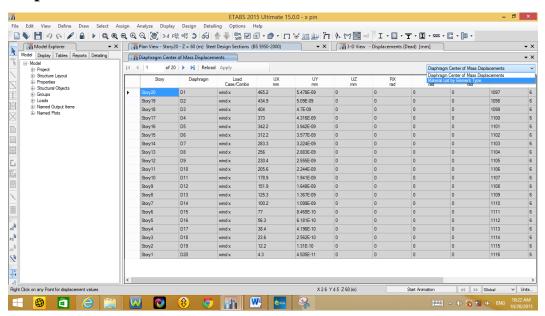
Showing the required results in tables



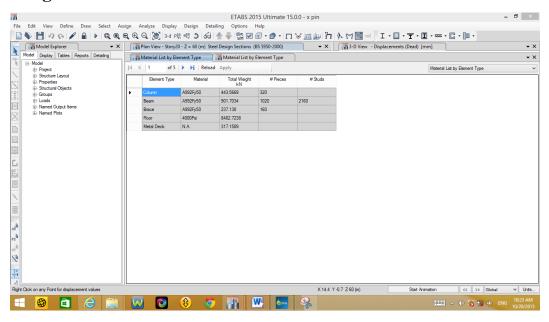
required results selection



Displacement results



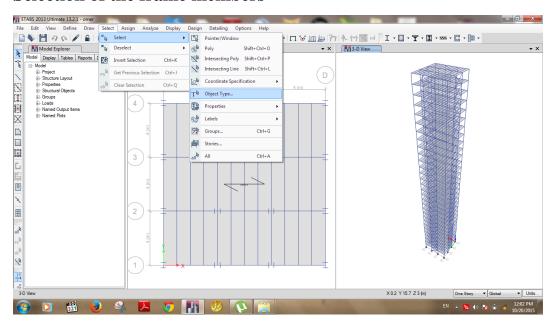
Weights results



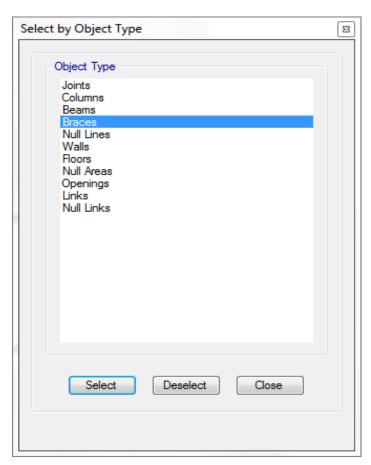
In comparison:

Redrawing the braced frames:

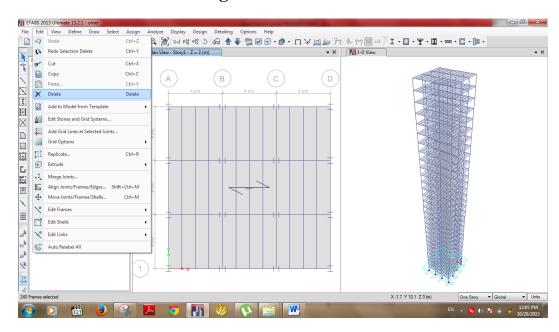
Selection of the frame members



Selection of bracing



Elimination of the bracing



Drawing of the new bracing types

