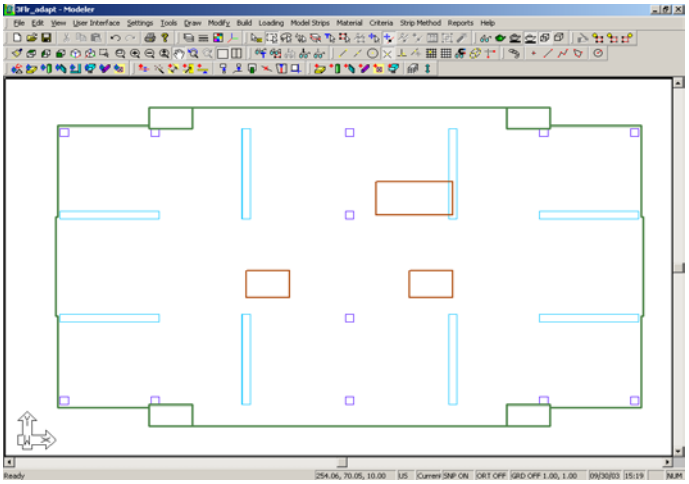
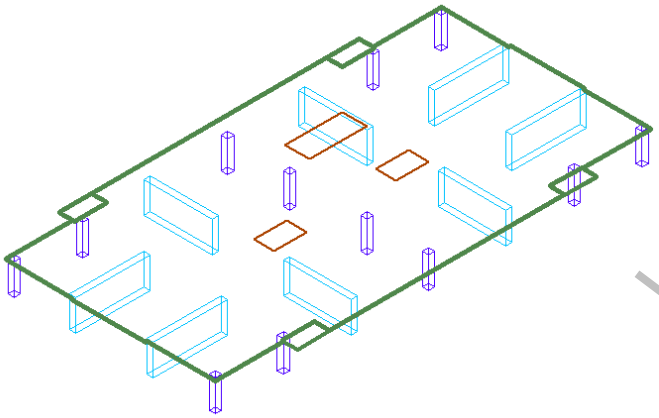
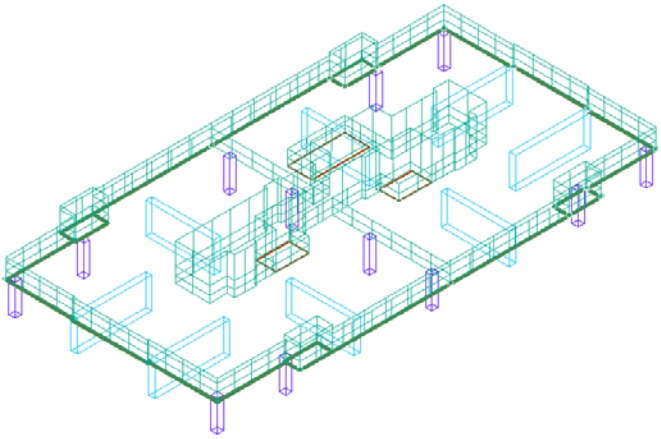
ADAPT-*MODELER/-PT* DESIGN PROCESS



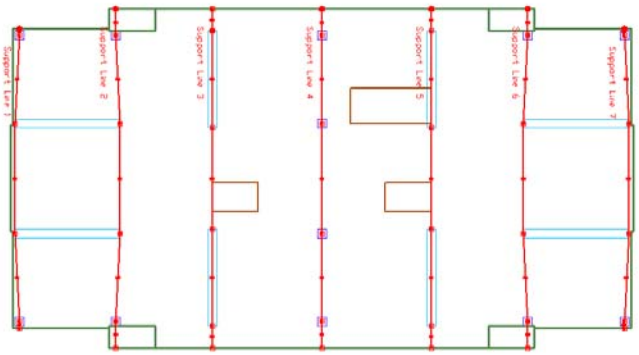
(a) ***DWG file*** is imported into ***ADAPT-Modeler***.



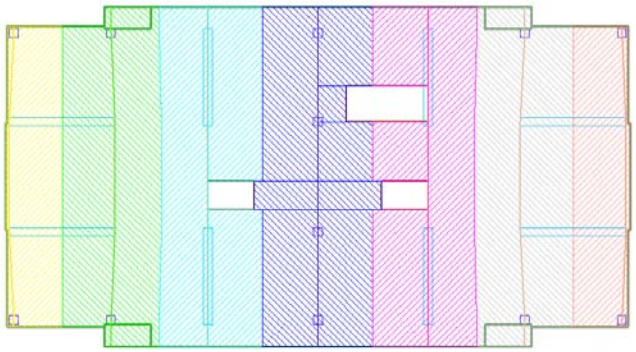
(b) Imported drawing is converted into ***structural components***.



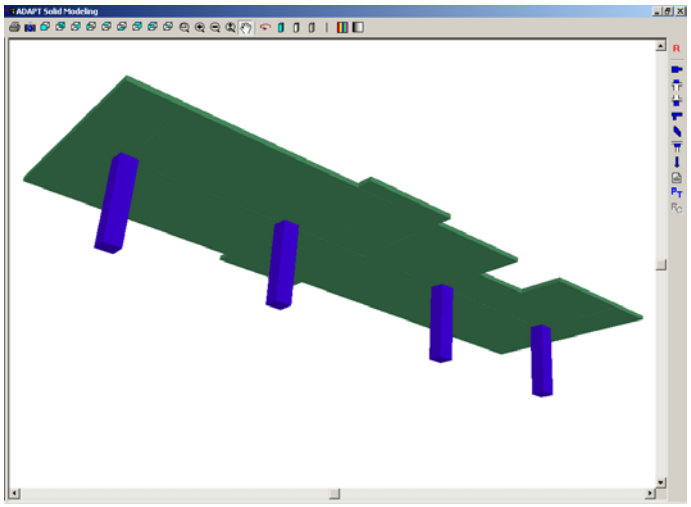
(c) ***Loads*** are applied on the structure and ***load combinations*** are created.



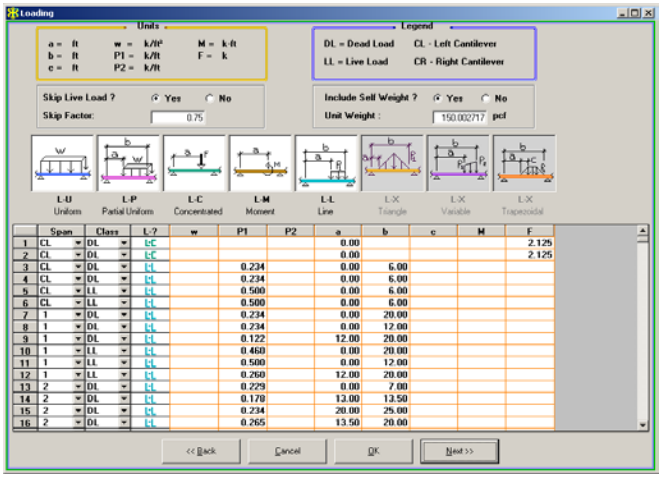
(d) ***Support*** Lines are generated in two orthogonal directions.



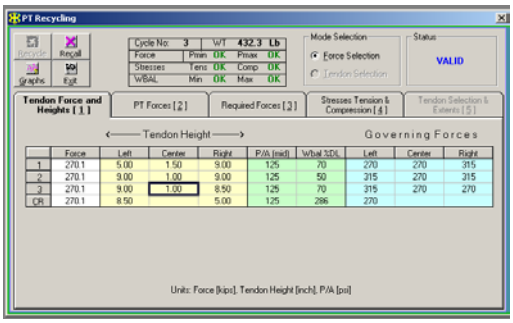
(e) ***ADAPT-Modeler*** automatically generates Design Strips (tributaries) for each user-defined ***Support Line.***



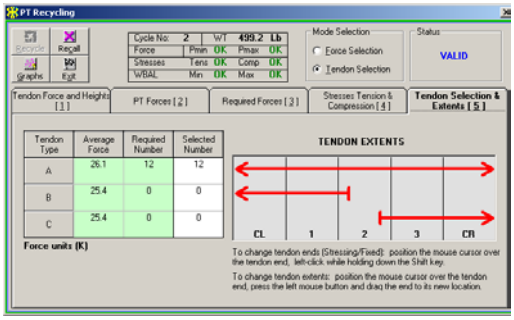
(f) ***Design Strips*** are exported to ***ADAPT-PT.***



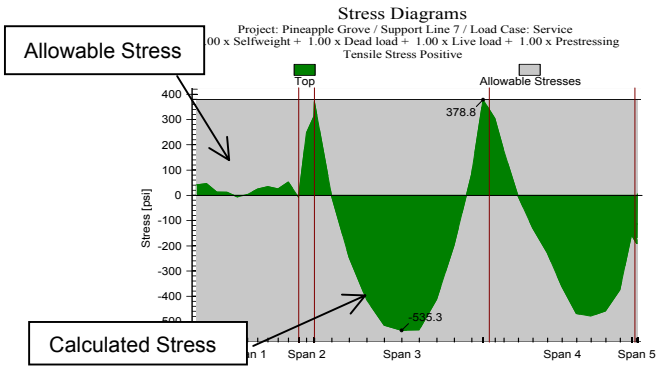
(g) All the information required to make an ***ADAPT-PT run is*** already entered in the ***Input Editor***, and the program is ready to calculate.



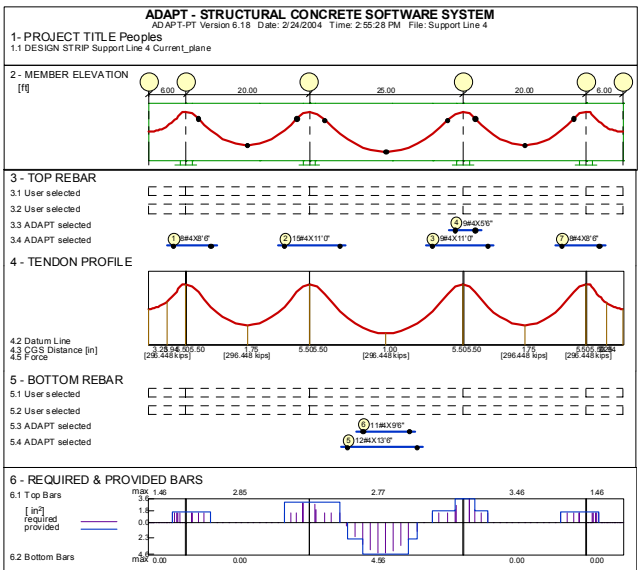
(h) The program finds a ***Post-Tensioning Solution*** based on the design parameters entered by the user. In the ***Recycling Screen***, the user can quickly adjust the provided tendon profile or force to refine the solution.



(i) The user can also find a solution by defining the ***number of tendons*** and their position along the support line.



(j) ***Calculated stresses*** along the Design Strip are displayed against the background of the ***allowable stress envelope***.



(k) ***Reinforcement*** for each design strip is automatically selected by the program and displayed, specifying the ***location***, ***number*** and ***length*** of bars.