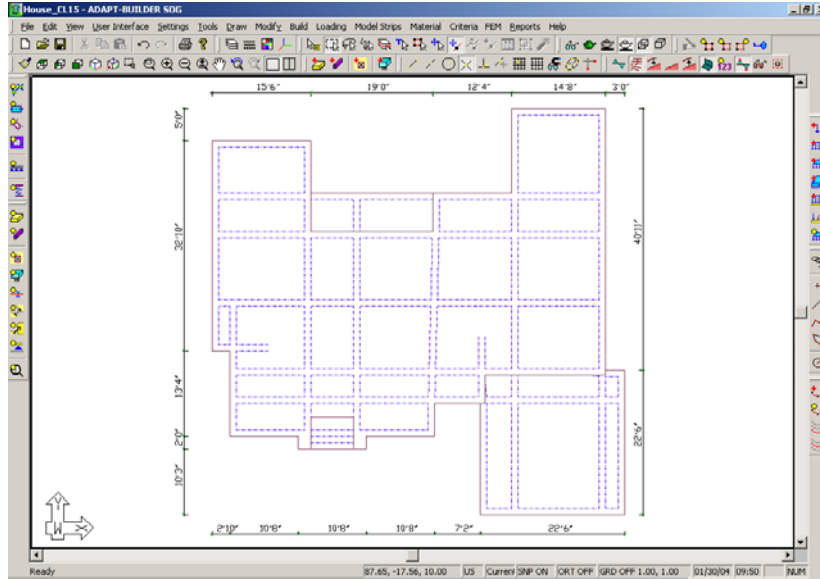
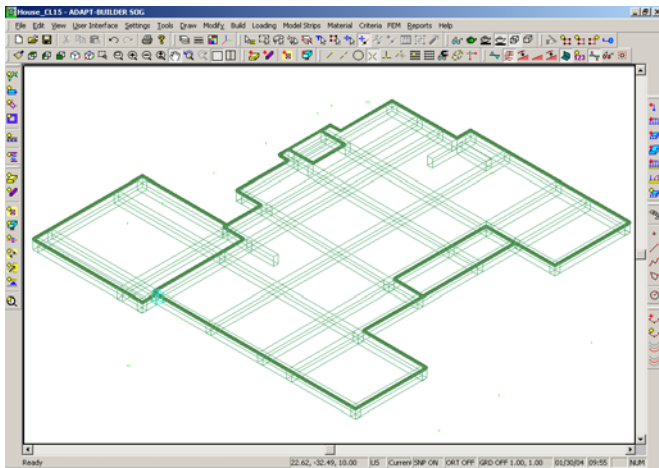


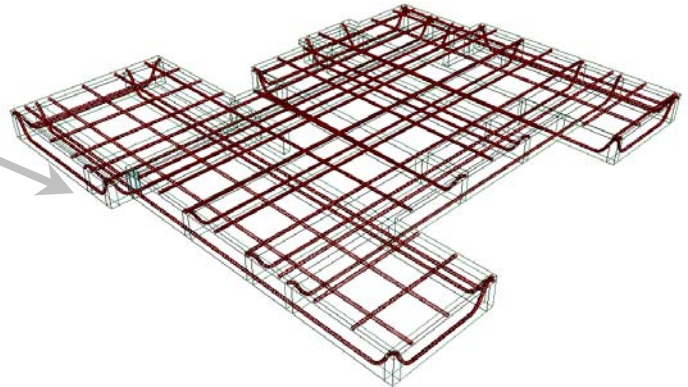
ADAPT -Slab-on-Grade DESIGN PROCESS



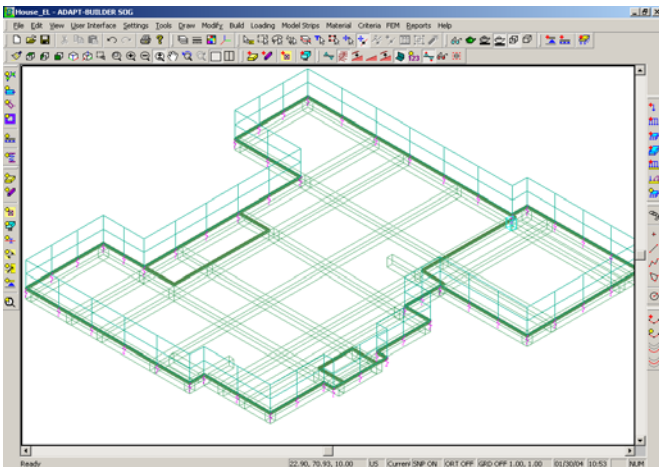
(a) DWG file imported into **ADAPT-SOG**.



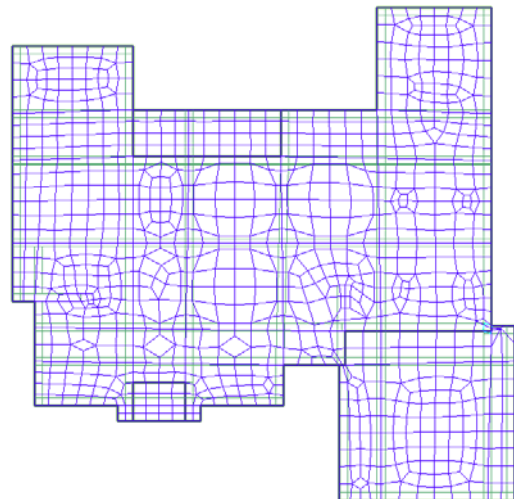
(b) Imported drawing is converted into **structural components**.



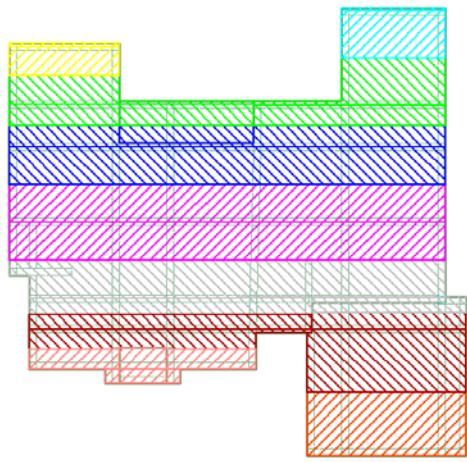
(c) Post-tensioning **tendons** are generated.



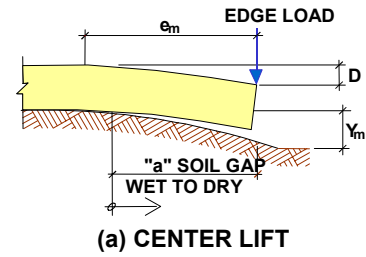
(d) **Loads** are applied on the structure and soil properties specified.



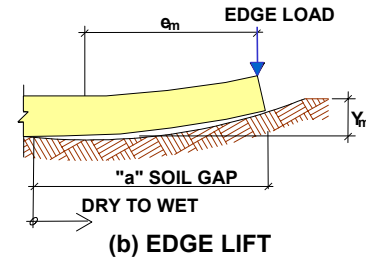
(e) **Finite Element mesh** is generated.



(f) **Design Strips** are generated in two orthogonal directions.

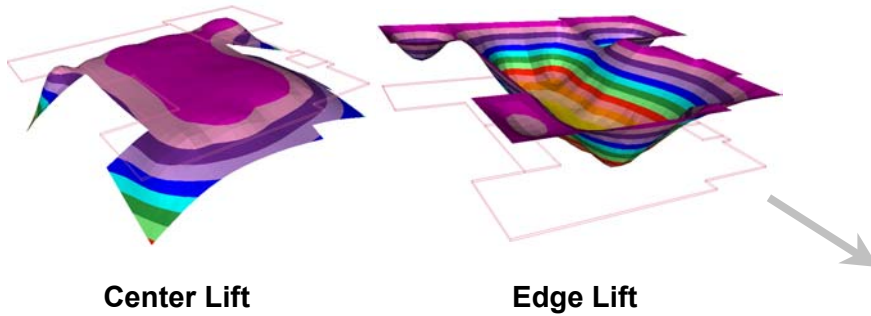


(a) **CENTER LIFT**

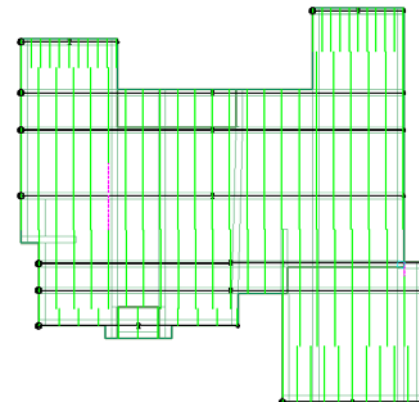


(b) **EDGE LIFT**

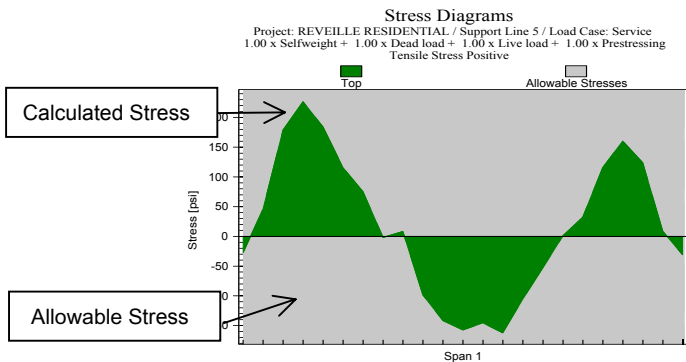
(g) The file is broken into two separate models to represent both edge lift and center lift conditions.



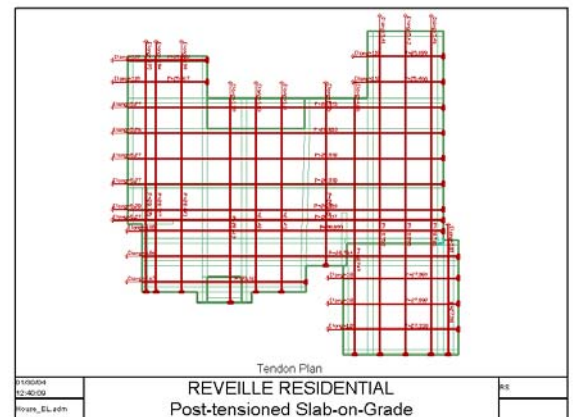
(h) **Deflection contours** from Finite Element Method (FEM) demonstrate the response of structure for both swell modes.



(i) Design Sections are generated automatically for **stress check**. Locations, where stresses do not meet the allowable values, are shown in red (broken line).



(j) **Calculated bending and shear stresses** for each Design Strip can be superimposed on the **allowable stress envelope**.



(k) Structural drawings can be either printed directly from the program or exported to AutoCAD.