

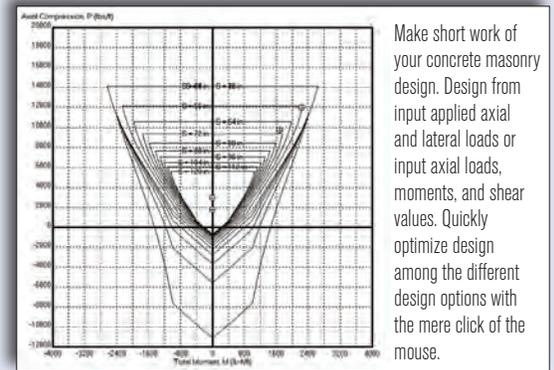
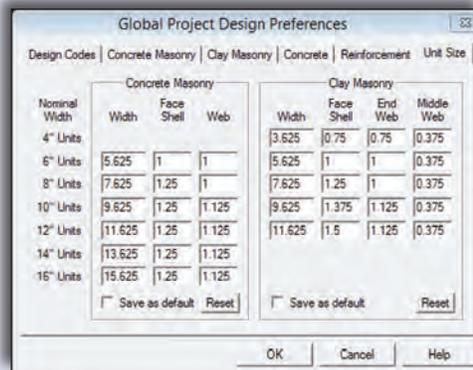
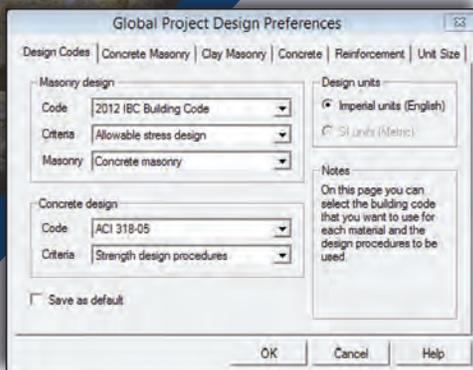
# Structural Masonry Design System Version 6.0

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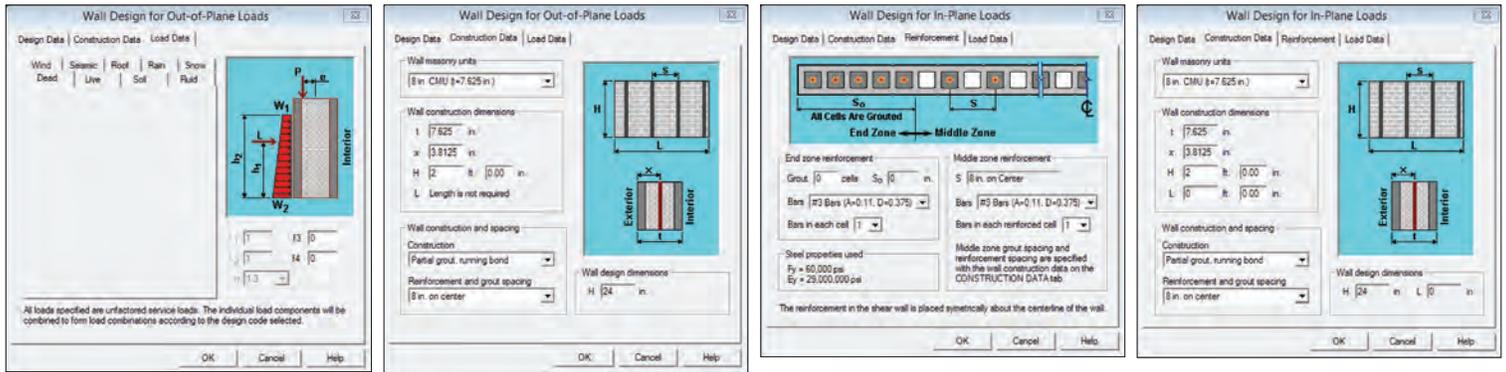
# Look What You Get!

## Added Features for Version 6.0:

- 2011 MSJC Code and 2012 IBC Code.
- Uses ASCE 7-10 Load Combinations for Allowable stress design
- Uses new, larger allowable stresses in lieu of the old 1/3 stress increase in allowable stress design
- Recognizes the beneficial effects of transverse reinforcement in reducing lapsplice lengths
- The P-delta effect is reduced due to the code permitting the use of axial compression to offset flexural tension in calculating the deflection
- New deep beam provisions are added to lintel design
- Lintel bearing stresses are computed and compared to limits
- Shearwalls can have two bars in a single cell (previously limited to a single bar)
- The effect of the wall or column inertia for seismic design
- Modify and save default values in the design basis
- Additional checks for code provisions

## Retained features from Previous Version

- design of these structural elements:
  - lintels,
  - walls loaded in-plane or out-of-plane, and columns.
- design of walls that are either reinforced or unreinforced
- design of all elements by either allowable stress or strength design
- calculation of member forces from external loads, boundary conditions and spans
- graphical illustration of interaction diagrams for walls and columns
- design for combined axial load and bending moment
- design for shear and of shear reinforcing when required
- calculation of development length and lap splices
- calculation of deflections for P-delta effect
- inclusion of special requirements for special and intermediate shear walls



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