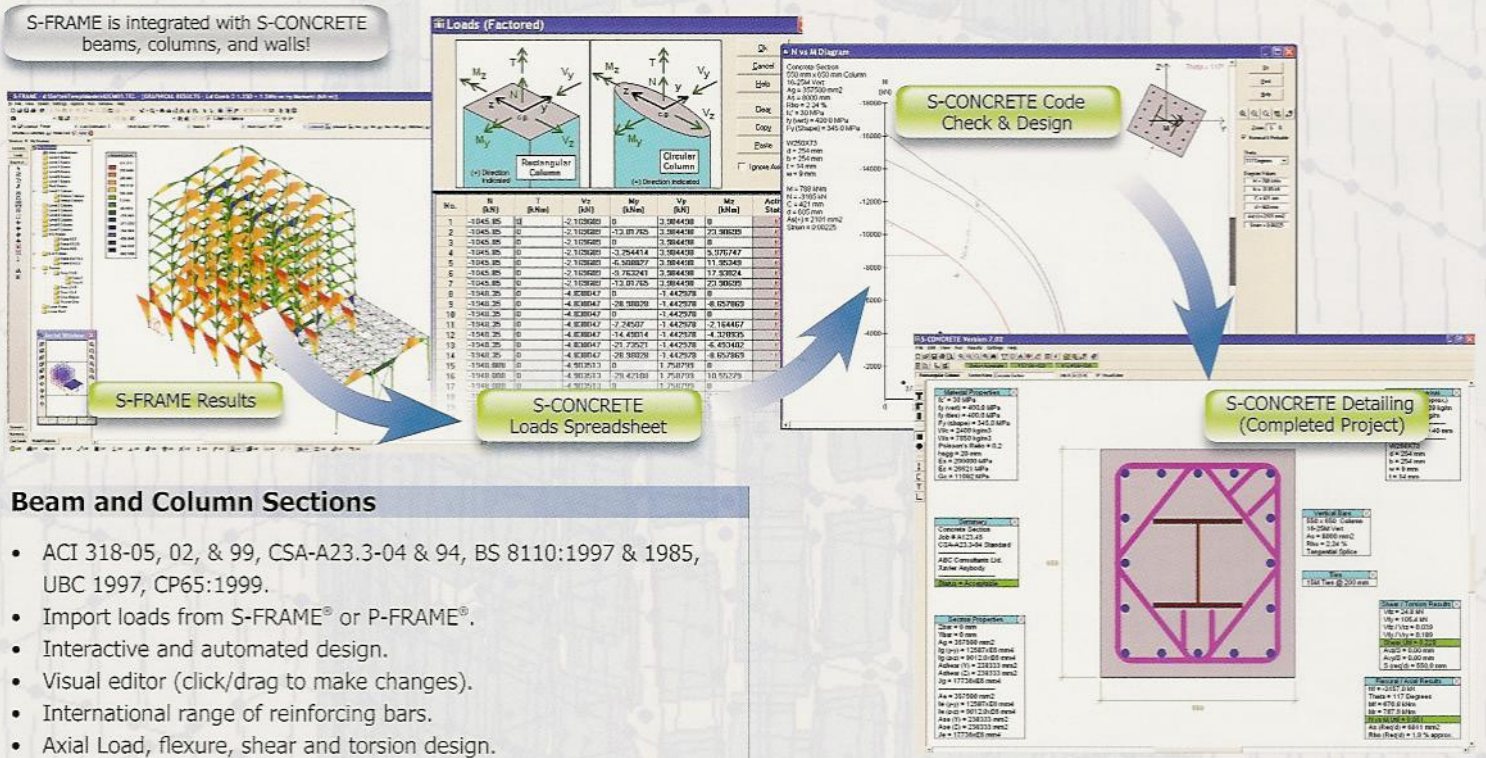
S-CONCRETE™

Reinforced Concrete Section Design and Detailing

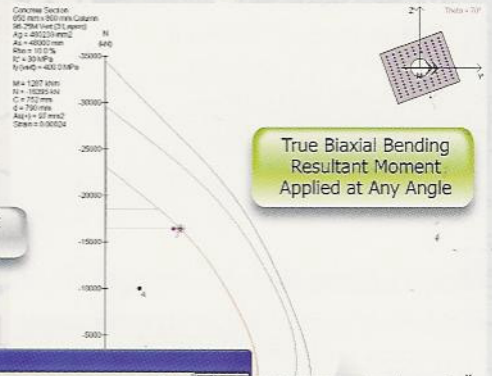
SOFTEK STRUCTURAL OFFICE

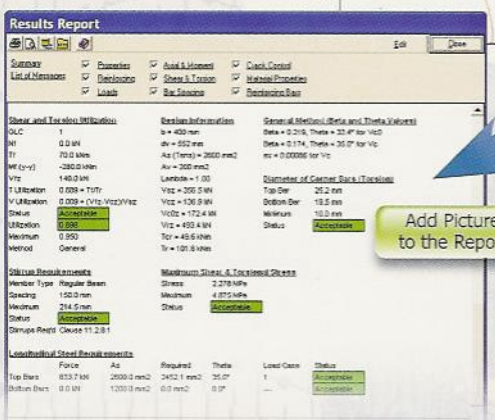
S-FRAME is integrated with S-CONCRETE beams, columns, and walls!



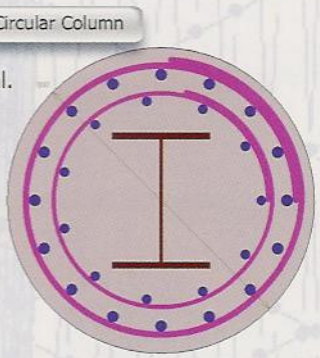
Beam and Column Sections

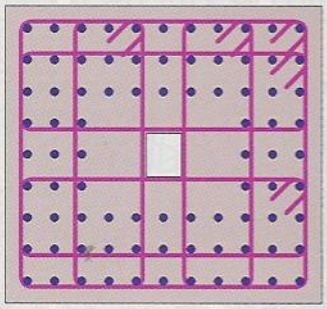
- ACI 318-05, 02, & 99, CSA-A23.3-04 & 94, BS 8110:1997 & 1985, UBC 1997, CP65:1999.
- Import loads from S-FRAME® or P-FRAME®.
- Interactive and automated design.
- Visual editor (click/drag to make changes).
- International range of reinforcing bars.
- Axial Load, flexure, shear and torsion design.
- Slenderness effects calculations (if applicable).
- CSA shear & torsion (simple or general method).
- Generate reports with pictures & numerical results.
- Export detailed drawings to AutoCAD®.
- Export drawings and numerical results to Microsoft Word® and TEDDS®.



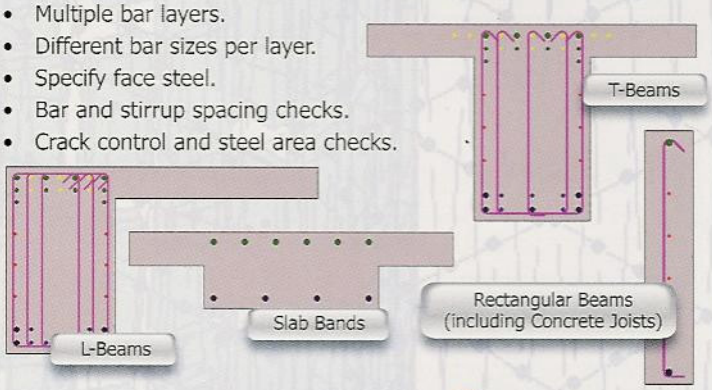


- Columns with holes.
- Composite columns.
- Rectangular or circular ties or spiral.
- Multiple bar layers.
- Bar spacing and steel area checks.





- Beams with any number of stirrup legs.
- Multiple bar layers.
- Different bar sizes per layer.
- Specify face steel.
- Bar and stirrup spacing checks.
- Crack control and steel area checks.



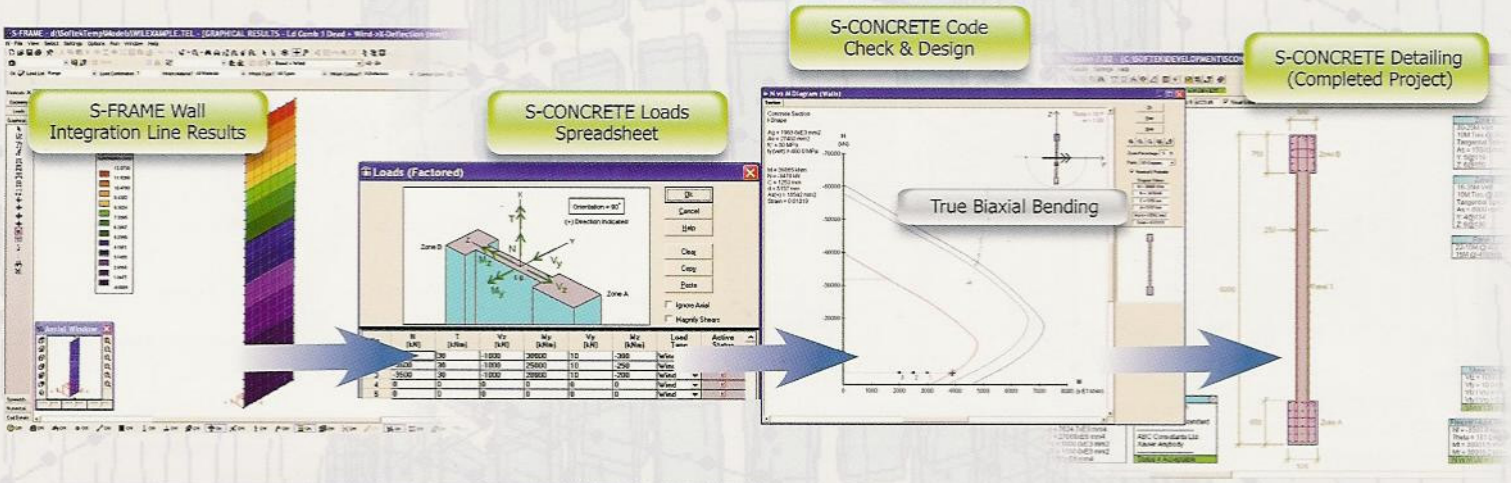
www.s-frame.com

Complete your SOFTEK Structural Office Suite with S-FRAME (3D Analysis) and S-STEEL (Steel Design).
Please visit our website at www.s-frame.com or call us for additional information

S-CONCRETE™

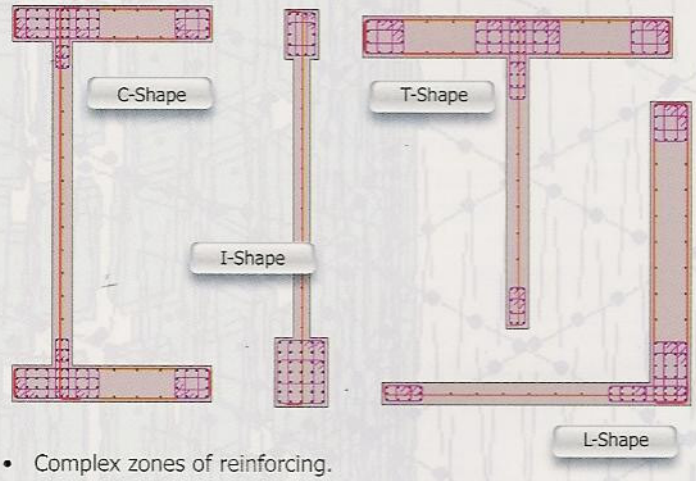
Reinforced Concrete Section Design and Detailing

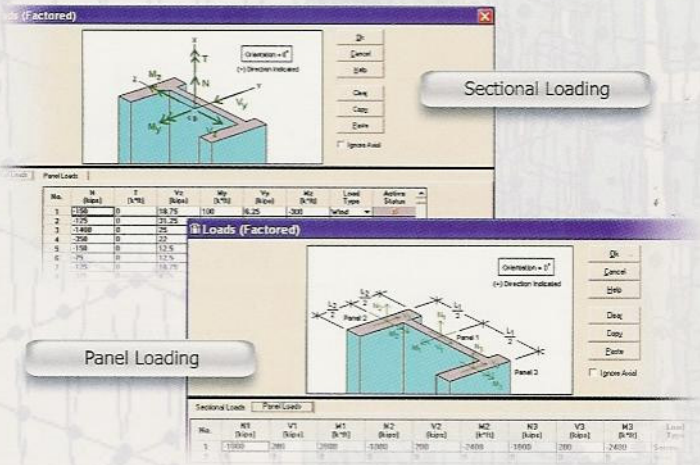
SOFTEK STRUCTURAL OFFICE



Shear Wall Sections

- ACI 318-05, 02, & 99, CSA-A23.3-04 & 94, BS 8110:1997 & 1985, UBC 1997, CP65:1999.
- Import loads from S-FRAME® or P-FRAME®.
- Interactive and automated design.
- Visual editor (click/drag to make changes).
- International range of reinforcing bars.
- Axial Load, flexure, shear and torsion design.
- Slenderness effects calculations (if applicable).
- CSA shear & torsion (simple or general method).
- Generate reports with pictures & numerical results.
- Export detailed drawings to AutoCAD®.
- Export drawings and numerical results to Microsoft Word® and TEDDS®.





- Complex zones of reinforcing.
- Sectional and panel loading.
- Zone reinforcing checks.
- Panel reinforcing checks.
- Bar spacing checks.
- Anchorage checks.

Earthquake resistant design (ACI and UBC)

- Boundary element size and detailing evaluation.
- Concrete confinement (zone ties and configuration).
- Curtains of reinforcing, steel area and steel ratios.
- Anchorage conditions (i.e. hooks).
- Bar spacing requirements.

Seismic Provisions CSA-A23.3 (R_d=1.0, 1.5, 2.0 or 3.5)

- Ductility/stability requirements.
- Curtains of reinforcing, steel area and steel ratios.
- Anchorage and development length including hooks.
- Simplified or general method of shear design.
- Concrete confinement (zone ties & configuration).
- Bar spacing requirements.

For inquires, please contact:

ENSOFT, INC.

3003 West Howard Ln. Tel. 512-244-6464
Austin, Texas 78728 Fax. 512-244-6067
e-mail: ensoft@ensoftinc.com

www.ensoftinc.com