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mColumn 2010-5

Efficiently Optimized Design for Reinforced Prestressed / Precast Multistory Column

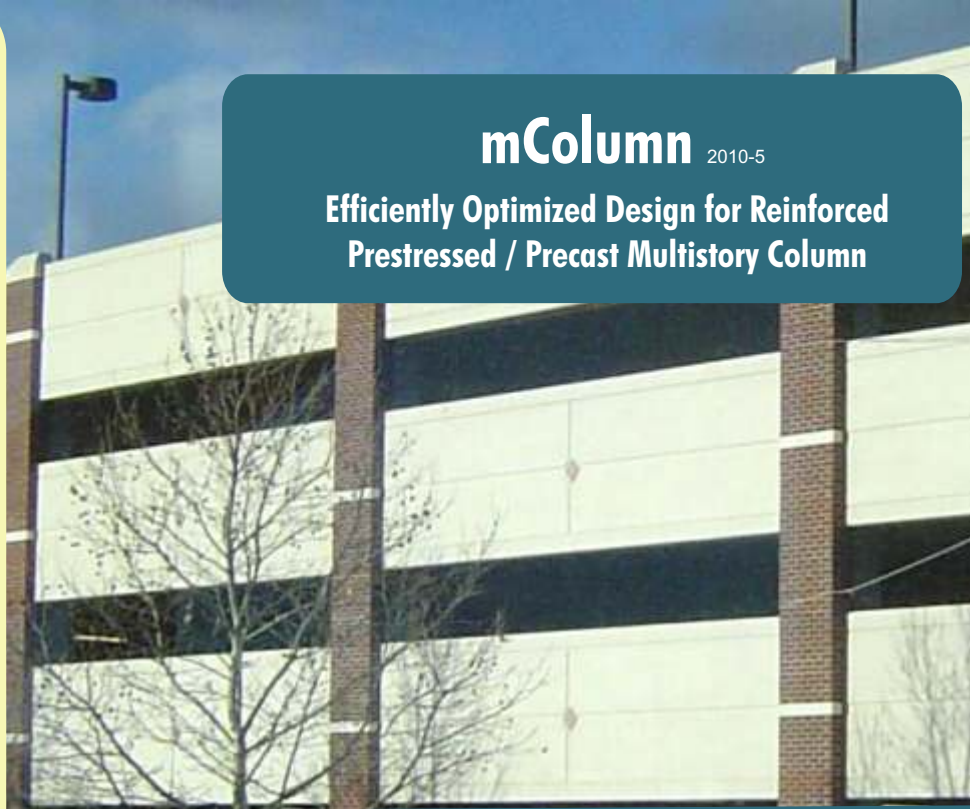## Advanced Engineering Capabilities

Choice of Interior, End, Side, Corner column

Develops interaction failure surfaces

Customized reinforcement & Strand

Optional closed Spiral Bars

Time dependent (PCI) method of prestress loss calculation

Provision for type of pre-stressing tendons

Considers Bi-Axial Bending
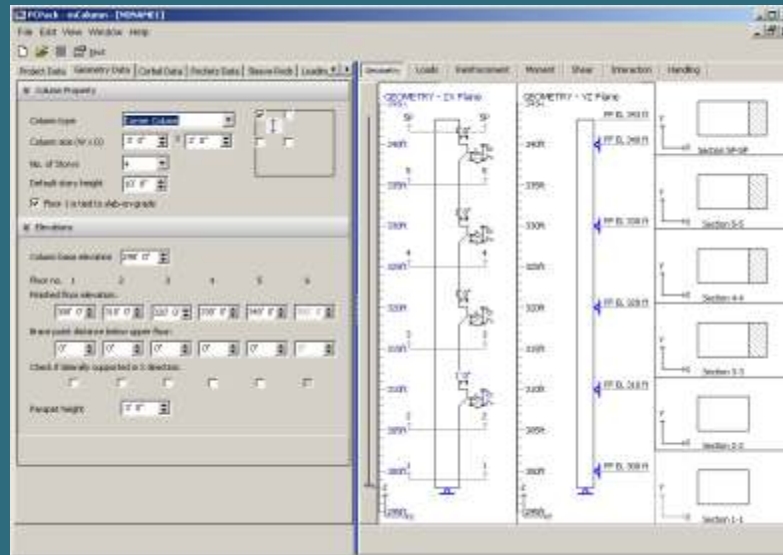
Loading Options

- Dead loads
- Live loads
- Snow loads
- Load combinations

Reinforcement Options

- Reinforcing bars
- Strands
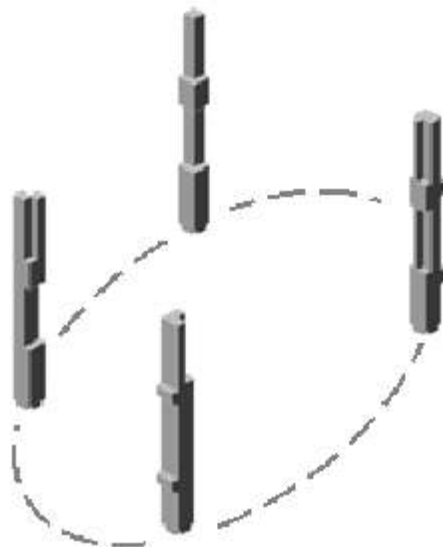- Combination of strands & reinforcing bars

Design Codes

- ACI 318-08
- PCI Design Handbook 7th Edition

Member Geometry

- Rectangular column
- Slender column
- Pockets in column
- Sleeves in column

User Friendly Features

- On-screen user manual and context sensitive help
- User friendly graphical interface
- User defined graphical cross section editor
- Alert for incorrect inputs
- Saves the latest design inputs as default
- Comprehensive summary reports
- Analysis result plot diagrams in terms of graphical output
- Export data to spreadsheet or MSWord