

Structure Point

CONCRETE SOFTWARE SOLUTIONS

sp slab

sp column

sp mats

sp beam

sp frame

sp wall

Work quickly.
Work simply.
Work accurately.

StructurePoint's Productivity Suite of powerful software tools for reinforced concrete analysis & design

sp wall

Finite element analysis & design of reinforced, precast ICF & tilt-up concrete walls

sp column

Design & investigation of rectangular, round & irregularly shaped concrete column sections

sp mats

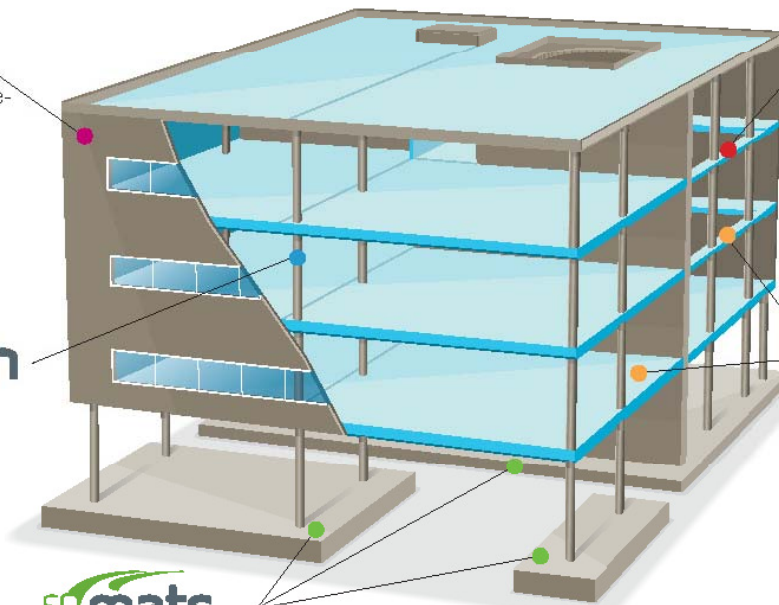
Finite element analysis & design of reinforced concrete foundations, combined footings or slabs on grade

sp beam

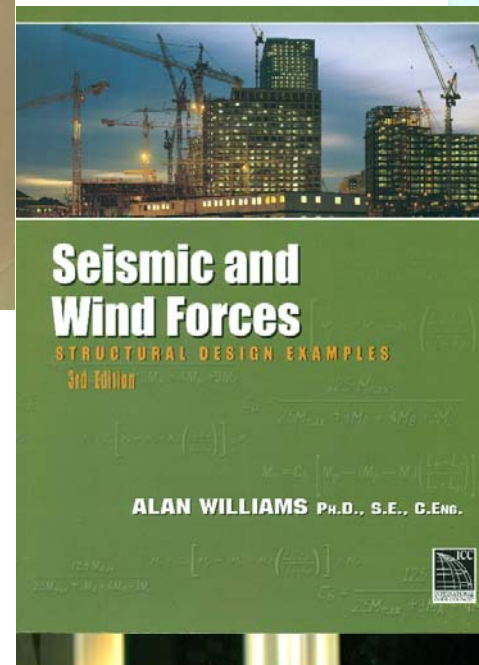
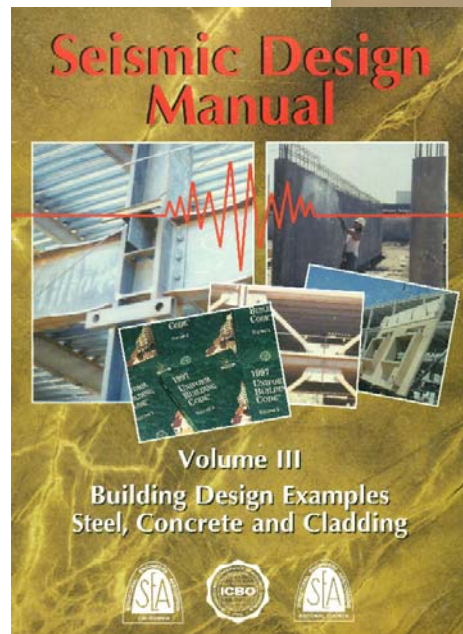
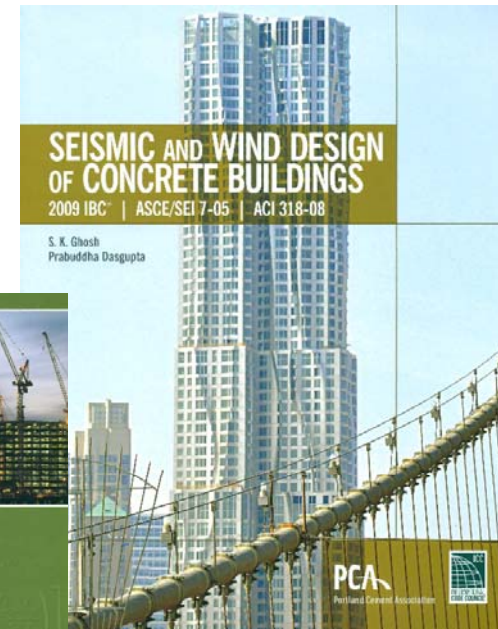
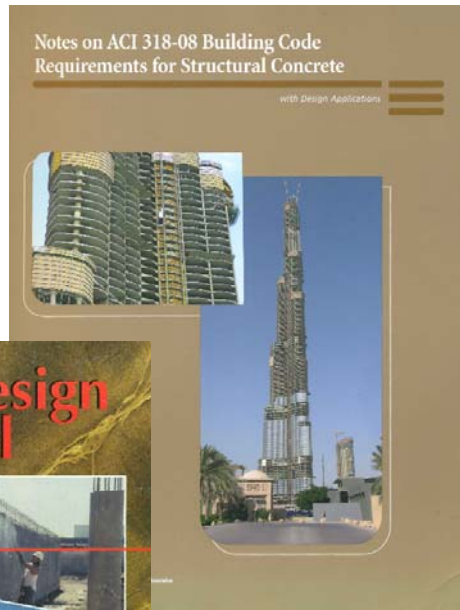
Analysis, design & investigation of reinforced concrete beams & one-way slab systems

sp slab

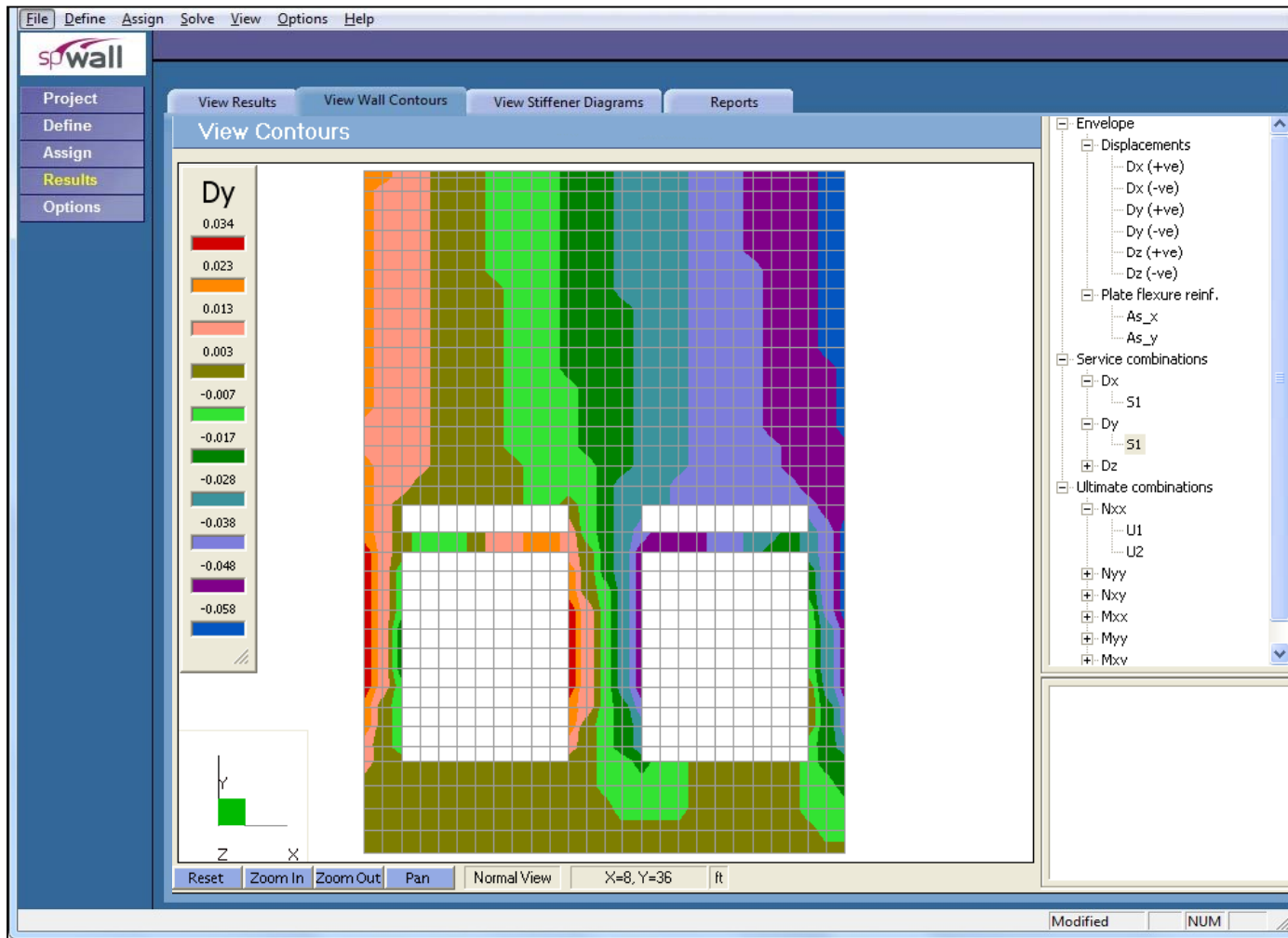
Analysis, design & investigation of reinforced concrete beams & slab systems



The Industry Standard



sp wall



Define



Project | Define | Assign | Results | Options

Properties | Supports | Loads | Load Combinations

Stiffener Section

Label: beam

Section (in):
 Type: Rectangular
 Width (in plane): 24
 Height (out of plane): 30

Flange (in):
 Projection: At the middle
 Left: 0, Right: 0
 Width: 0, 0
 Thickness: 0, 0

Label	Type	Projection	Width/Dia.	Height	Flange W-L	Flange T-L	Flang
beam	Rectangular	At the middle	24.00	30.00	0.00	0.00	

Add
Delete
Modify

- Plate Thickness
- Stiffener Section
- Plate Cracking Coefficient
- Stiffener Cracking Coeff.
- Concrete
- Reinforcement
- Plate Design Criteria
- Stiffener Design Criteria

Project | Define | Assign | Results | Options

Properties | Supports | Loads | Load Combinations

Plate Cracking Coefficients

Label: 24wall
 In plane: 0.35
 Out of plane: 0.35

Label	In plane	Out of pl...
24wall	0.350	0.350
8wall	1.000	1.000

Add
Delete
Modify

- Plate Thickness
- Stiffener Section
- Plate Cracking Coefficient
- Stiffener Cracking Coeff.
- Concrete
- Reinforcement
- Plate Design Criteria
- Stiffener Design Criteria

Assign



spWall - C:\Program Files\StructurePoint\spWall\Examples\Additional\Load Bearing Wall with Stiffeners.wa3

File Define Assign Solve View Options Help

Project Define Assign Results Options

Properties Supports Loads

Concrete

- Plate Thickness
- Plate Cracking Coefficient
- Plate Concrete
- Plate Reinforcement
- Plate Design Criteria
- Stiffener Section
- Stiffener Cracking Coeff.
- Stiffener Concrete
- Concrete
 - Concrete
- Stiffener Reinforcement
- Stiffener Design Criteria

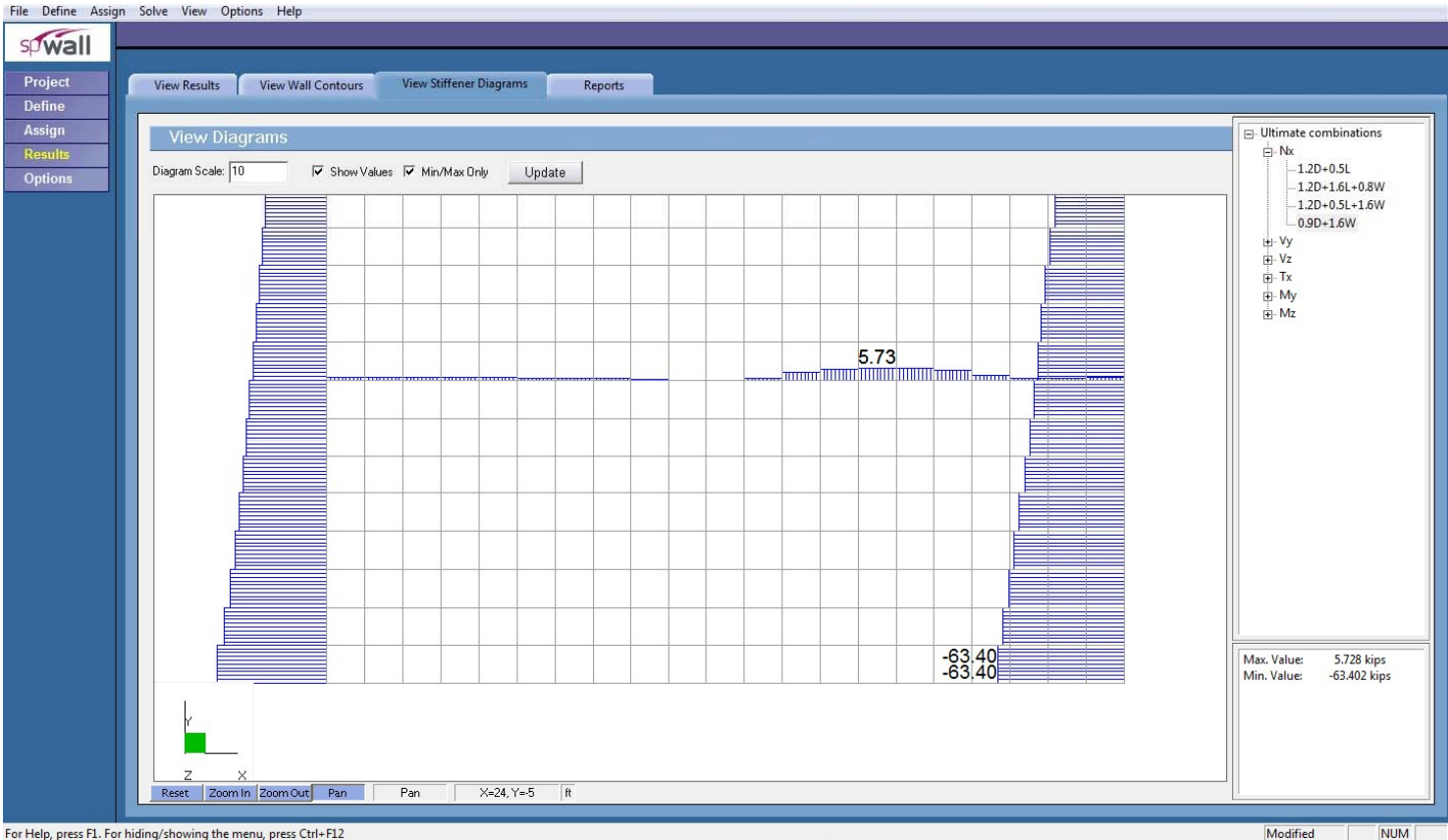
Label	Concrete
fc - Co...	4.0000 ksi
w - Unit ...	150.0000 pcf
Ec - You...	3834.2500 ksi
v - Poiss...	0.1500

Reset Zoom In Zoom Out Pan Normal View X = 57, Y = -7 ft

NUM

For Help, press F1. For hiding/showing the menu, press Ctrl+F12

Solution





Structure Point

CONCRETE SOFTWARE SOLUTIONS

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