



PRESTRESSED CONCRETE CONSTRUCTION

Newton, Kansas

Phone (316)-283-2277

Typical Building Parameters

International Building Code 2012.

ASCE/SEI 7-10.

Basic Wind Speed : Vult = 115 mph Ultimate

Vasd = 89 mph Nominal

Exposure Category 'C'

Importance Factor, Iw = 1.0 or 1.15

Internal Pressure Coeff. $\pm G_{cpi}$ = 0.18 Enclosed

C & C Design Pressure = ± 25 psf (Typical Values)

Typical Building Wall Panel Design Chart. (See Notes Above)

Prestressed 8' Wide Solid Flat Slab Wall Panels

t inch	Panel Length feet	Roof Load Bearing Capacity	Available Panel Widths	
			Min. feet	Max. feet
4	22 to 24	NO	Up to 8	---
5	22 to 27	NO	8	10
6	24 to 34	Yes	8	12
7	25 to 35	Yes	8	12
8	26 to 38	Yes	8	12
9	26 to 41	Yes	8	12
10	27 to 42	Yes	8	12
11	30 to 44	Yes	8	10
12	30 to 44	Yes	8	10

Panel Maximum Width may be based on
Panel Weight or Selected Exterior Finish

