



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

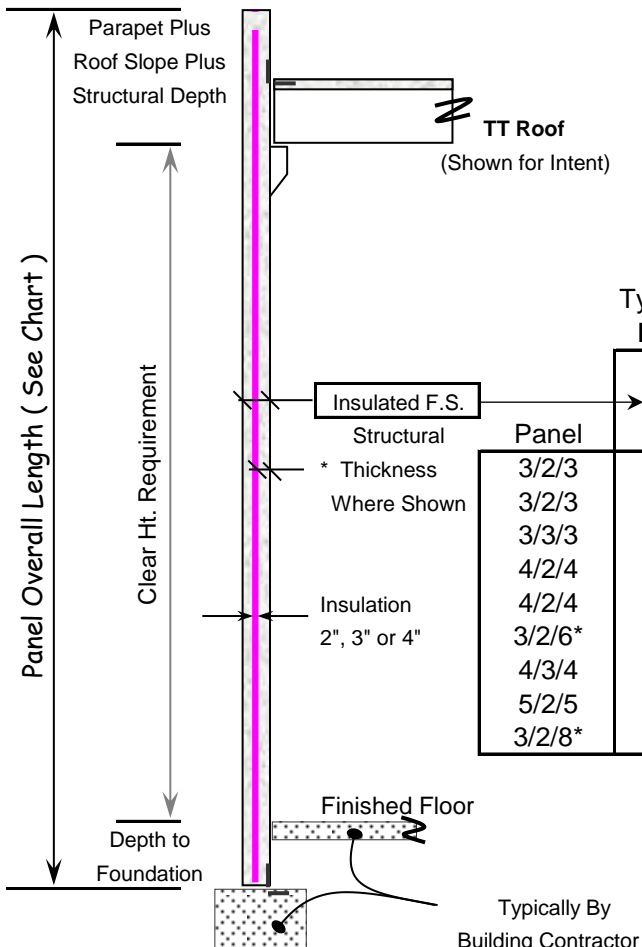
Internal Pressure Coeff. ± Gcpi = 0.18 Enclosed

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

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

Prestressed 8' Wide Insulated Flat Slab Wall Panels

Insulated F.S. Structural Panel	t inch	Panel Length feet	Roof Load Bearing Capacity	Available Panel Widths	
				Composite Design	Min. / Max. feet
* Thickness Where Shown	3/2/3	8	18 to 26	NO	8 to 10
	3/2/3	8	22 to 32	NO	8 to 10
	3/3/3	9	20 to 37	NO	8 to 10
	4/2/4	10	20 to 30	Yes	8 to 12
Insulation 2", 3" or 4"	4/2/4	10	20 to 39	Yes	8 to 12
	3/2/6*	11	20 to 34	Yes	8 to 10
	4/3/4	11	24 to 41	Yes	8 to 12
	5/2/5	12	30 to 43	Yes	8 to 12
	3/2/8*	13	30 to 37	Yes	8 to 10



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

Composite Panel Design(s) are Shown as a Design Option for Maximum Span to Height Ratio.