



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 Double Tee Wall Panels

TT inch	Panel Length feet	Roof Load Bearing Capacity	Available Panel Widths	
			Max. feet	# Strand Req'd/TT
13 TT	20 to 26	Yes	8	4
13 TT	24 to 33	Yes	8	6
17 TT	20 to 30	Yes	8	4
17 TT	28 to 41	Yes	8	6
25 TT	36 to 50	Yes	8	8
25 TT is a Specialty Wall Panel			(Check Availability)	

