



# 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

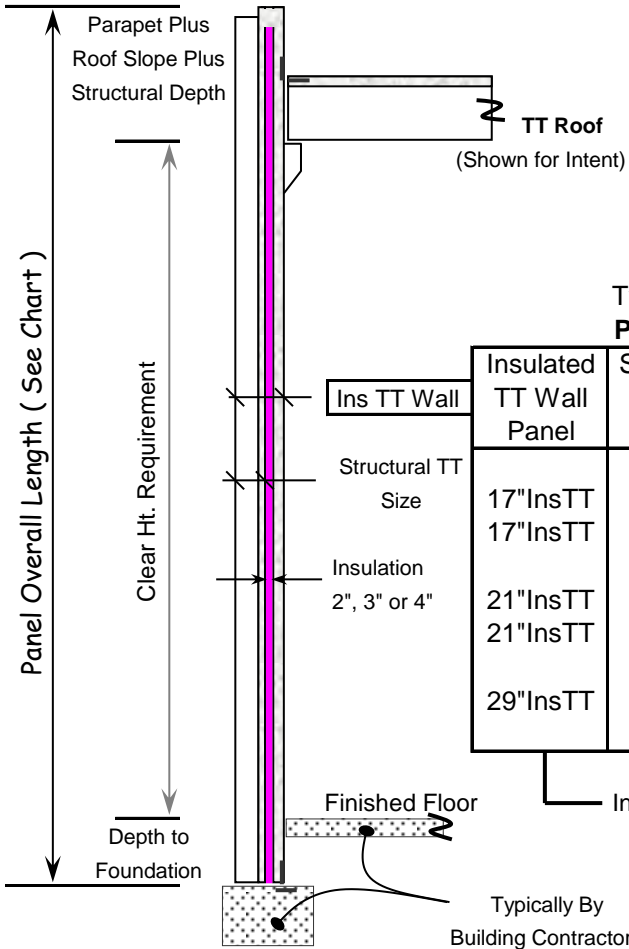
Internal Pressure Coeff. ± Gcpi = 0.18 Enclosed

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

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

### Prestressed 8' Wide Insulated Double Tee Wall Panels

Insulated TT Wall Panel	Structural TT inch	Panel Length feet	Roof Load Bearing Capacity	Available Panel Widths Max. feet	# Strand Req'd/TT
17"InsTT	12 TT	20 to 26	Yes	8	4
	12 TT	24 to 34	Yes	8	6
21"InsTT	16 TT	20 to 32	Yes	8	4
	16 TT	28 to 43	Yes	8	6
29"InsTT	24 TT	36 to 52	Yes	8	8
24 TT is a Specialty Wall Panel				( Check Availability )	



Insulated Wall TT Information is shown with 2" Insulation, 3" and 4" Insulation is available as well.

Panel Overall Length ( See Chart )

Clear Ht. Requirement

Depth to Foundation

Typically By Building Contractor