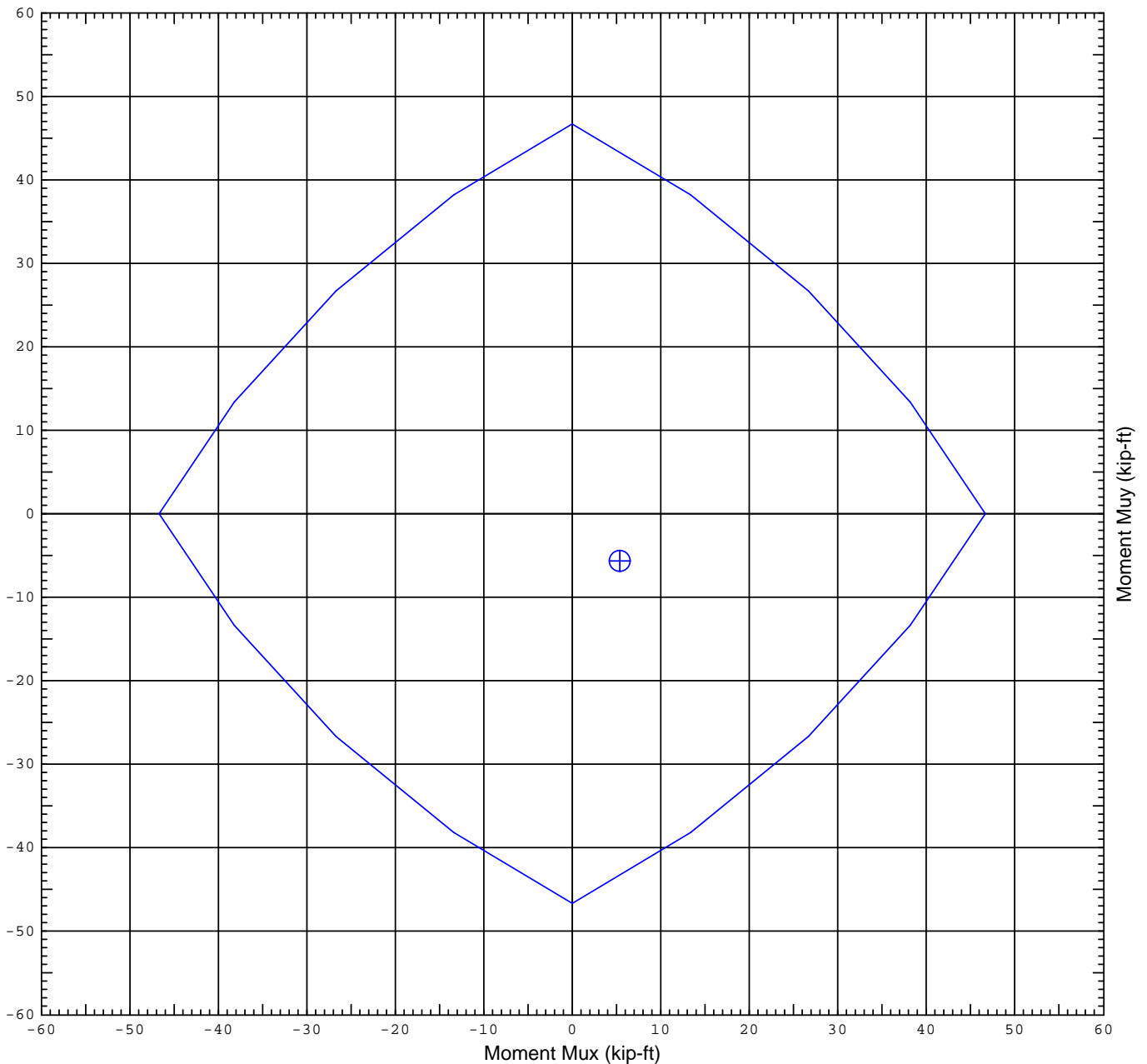


Project/Job:		<b>VersaFrame V2.0 (379.0)</b> (C) Digital Canal Corp.
Engineer:	Date/Time: 03/06/06 14:12:57	

Member: 1	Node-1: 1	Node-2: 2
Material: Default	Cracking Factor: 1.000	Modulus: 3.6e+003 (kip/in <sup>2</sup> )
Fc: 3.000 (kip/in <sup>2</sup> )	Fy: 60.000 (kip/in <sup>2</sup> )	Fys: 60.000 (kip/in <sup>2</sup> )
Section: Rect12x12	Cover to tie: 2.50 (in)	c.c. Cover: 3.38 (in)
Section Type: Rectangular	b x h: 12.00 x 12.00 (in)	
Length: 10.000 (ft)	KLx: 10.000 (ft)	KLy: 10.000 (ft)
Tie legs: 2	Tie size: #3	Confinement: Tied
Pu: 67.103 (kip)	Mux: 5.368 (kip-ft)	Muy: 5.368 (kip-ft)
Cmx: 1.000	Cmy: 1.000	Beta_d: 0.000
Mux magnification: 1.000	Muy magnification: 1.055	
Neutral axis steps: 50	Biaxial angle steps: 16	Excl. displ'd concrete: Yes
RC Design Section: Rect_BH12x12_fc3_fy60_Bars004#8_NX002_NY002_cc3.375		
Total Bars: 4-#8	Bars on width side: 2-#8	Bars on depth side: 2-#8
Ag: 144.00 in <sup>2</sup>	As: 3.16 in <sup>2</sup>	Roh: 2.19%
Load Comb: ACI-2005_Eq9-4d	Code: ACI 318-05	Unit Check: 0.235

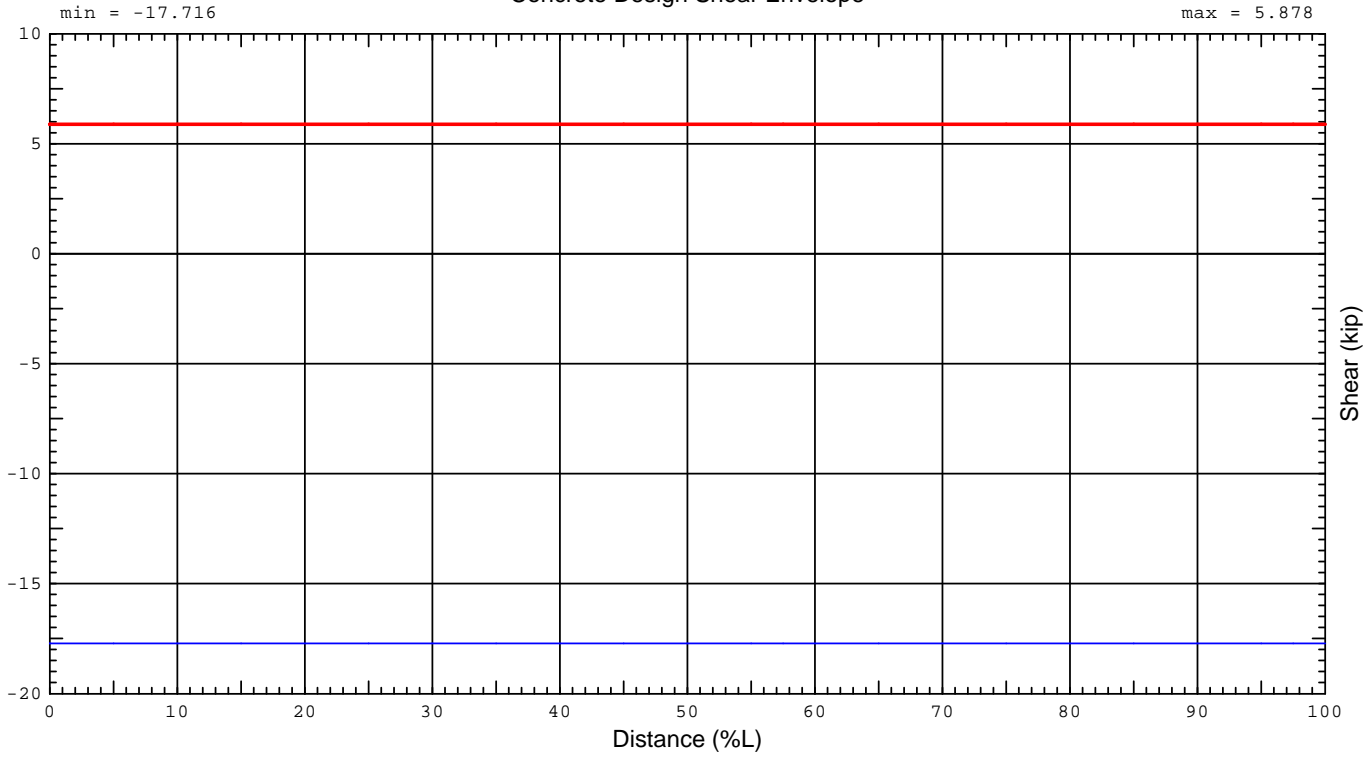
Concrete Column Mux-Muy Interaction Diagram (Pu = 67.1 kip)



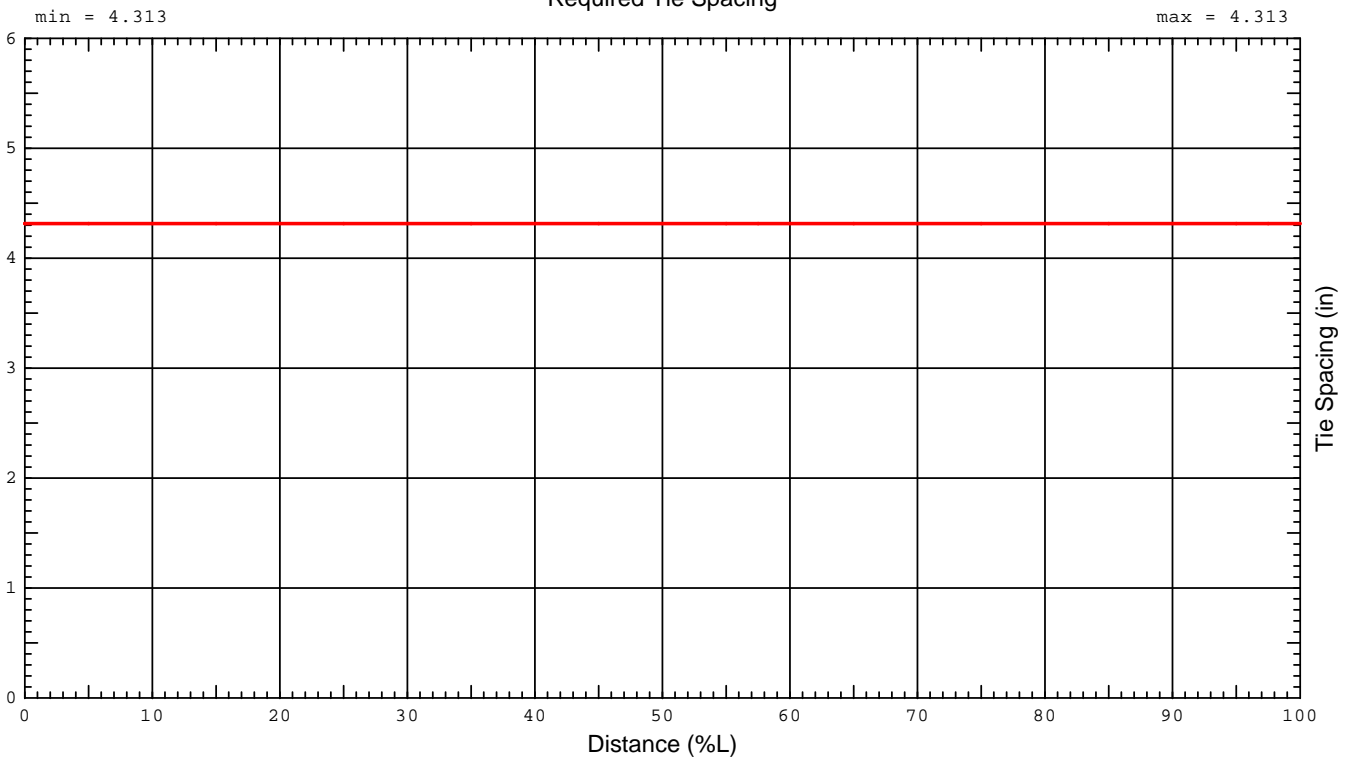
Project/Job:		<b>VersaFrame V2.0 (379.0)</b> (C) Digital Canal Corp.
Engineer:	Date/Time: 03/06/06 14:12:58	

Member: 1	Node-1: 1	Node-2: 2
Material: Default	Cracking Factor: 1.000	Modulus: 3.6e+003 (kip/in <sup>2</sup> )
Fc: 3.000 (kip/in <sup>2</sup> )	Fy: 60.000 (kip/in <sup>2</sup> )	Fys: 60.000 (kip/in <sup>2</sup> )
Section: Rect12x12	Cover to tie: 2.50 (in)	c.c. Cover: 3.38 (in)
Section Type: Rectangular	b x h: 12.00 x 12.00 (in)	
Length: 10.000 (ft)	KLx: 10.000 (ft)	KLy: 10.000 (ft)
Tie legs: 2	Tie size: #3	Confinement: Tied

Concrete Design Shear Envelope



Required Tie Spacing



Project/Job:

**VersaFrame V2.0 (379.0)**  
(C) Digital Canal Corp.

Engineer:

Date/Time: 03/06/06 14:12:58

Member: 3

Node-1: 2

Node-2: 4

Material: Default

Cracking Factor: 1.000

Modulus: 3.6e+003 (kip/in<sup>2</sup>)

Fc: 3.000 (kip/in<sup>2</sup>)

Fy: 60.000 (kip/in<sup>2</sup>)

Fys: 60.000 (kip/in<sup>2</sup>)

Section: Rect12x20

Bottom Cover: 2.50 (in)

Top Cover: 2.50 (in)

Section Type: Rectangular

b x h: 12.00 x 20.00 (in)

Length: 18.000 (ft)

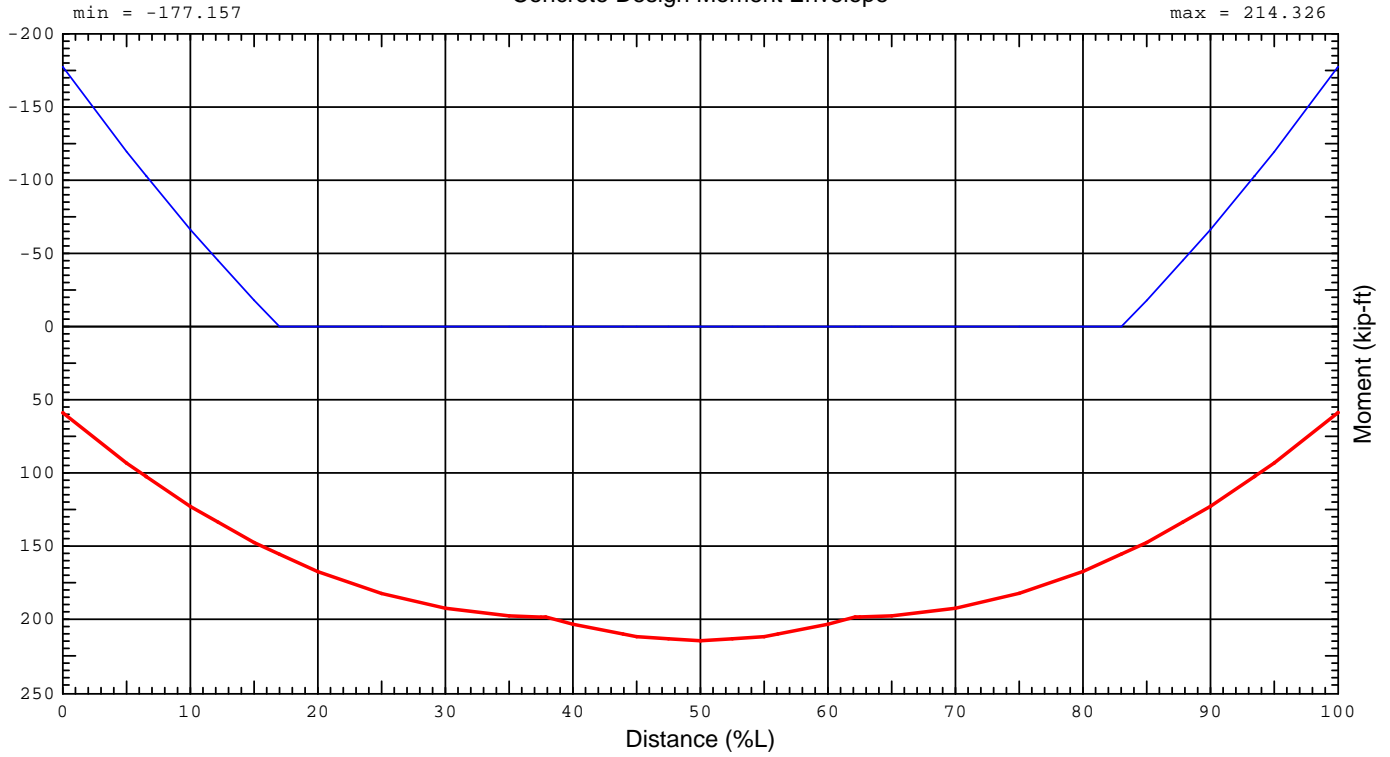
Supt Face-1: 0.500 (ft)

Supt Face-2: 0.500 (ft)

Stirrup legs: 2

Stirrup size: #3

Concrete Design Moment Envelope



Required Flexural Reinforcement

