

Prestige
TILT-UP
CONSULTING, INC.

Prestige Tilt-Up Consulting, Inc.

Lifting & Bracing Design
Concrete Tilt-Up Panels

Contractor: FLORIDA TILT INC.

Dealer: WHITE CAP / TAMPA, FL

Project: MARLINS PARKING GARAGE / P3

Location: MIAMI, FLORIDA

Job No. (PTCI): 10-189

Salesperson: MICHAEL TATE

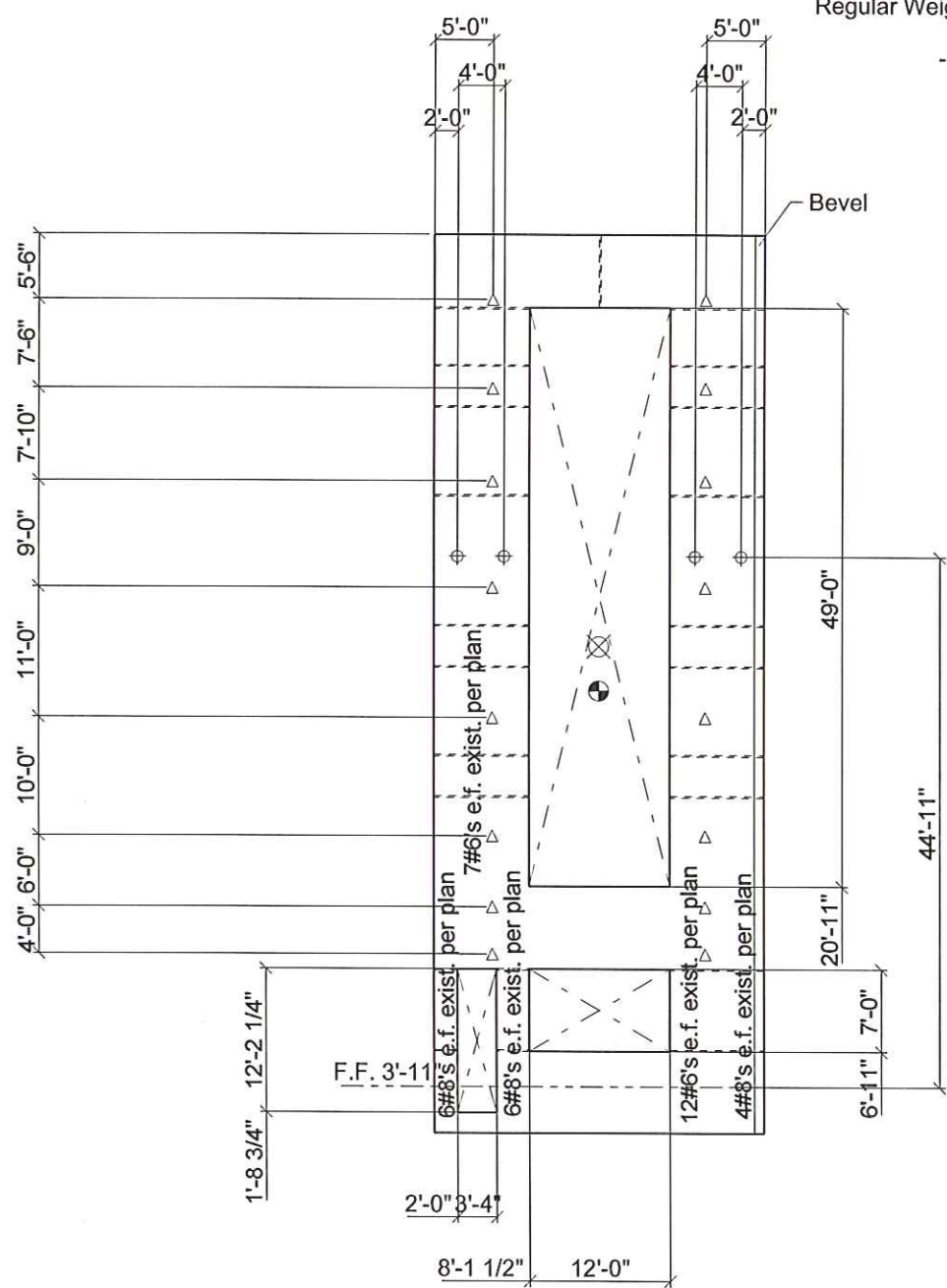
NOTE: The panel contractor must review the project plans and specifications to ensure that the panel dimensions shown in the Prestige Tilt-Up Consulting booklet are correct prior to casting the panels.

*Panel Contractor must also refer to manufacturing product's handbook for instructions and information on proper use of products prior to construction of precast concrete Tilt-Up wall panels.

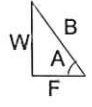
NON STR. THK.	STRUCT. THK.	WEIGHT	WIDTH	HEIGHT	NO. REQ'D.	PANEL NUMBER OR TYPE
	10"	162.2 kips	28'-2 1/2"	76'-1"	1	P3-22A

Regular Weight conc. 138.75 pcf = 162.20 kips
 Panel Reinforcing = 16.16 kips

 Total Panel Weight = 178.36 kips



BRACE TO DEADMAN, ELEV. 3'-11" ABOVE FIN. FLR.



Special Brace: A52B-K0

VERIFY ALL DIMENSIONS PRIOR TO POURING PANEL

MINIMUM COMPRESSIVE STRENGTH REQ'D.= 3,000 PSI

Construction Period	Design Wind Speed 72 mph	Center of Lift	X 14'-1 1/16" Y 41'-2 5/8"	CY= 43.2	This drawing is furnished solely for the purpose of clarifying the proper use, installation and application of lifting and bracing products. Prestige Tilt-up does not assume any responsibility for the correctness of structural designs or dimensions furnished by others. These drawings are intended merely to supplement the architectural and structural drawings and are to be used only in conjunction with them. In no way are these drawings to be intended as shop drawings for panel fabrication.	
TOTAL BRACE LOAD	35,394 lbs.	Center of Gravity	X 14'-1 1/16" Y 37'-5 11/16"	GROSS AREA		2146.2
A= 52.04	B= 52'-0"	CG Shift	ΔX .02 ← ΔY .57 ↓	NET AREA		1433.6
W= 41'-0"	F= 32'-0"	SCALE: 1/16"	CHECKED BY	REINFORCING STEEL GRADE		60
BRACE REQUIRED:	4 - Spcl - K0	RIGGING DETAILS	R82	LAYOUT BY		EII
		DATE	5/9/11	PANEL VIEWED FROM:	INSIDE	
		JOB NO.	10-189	SHEET	OF	

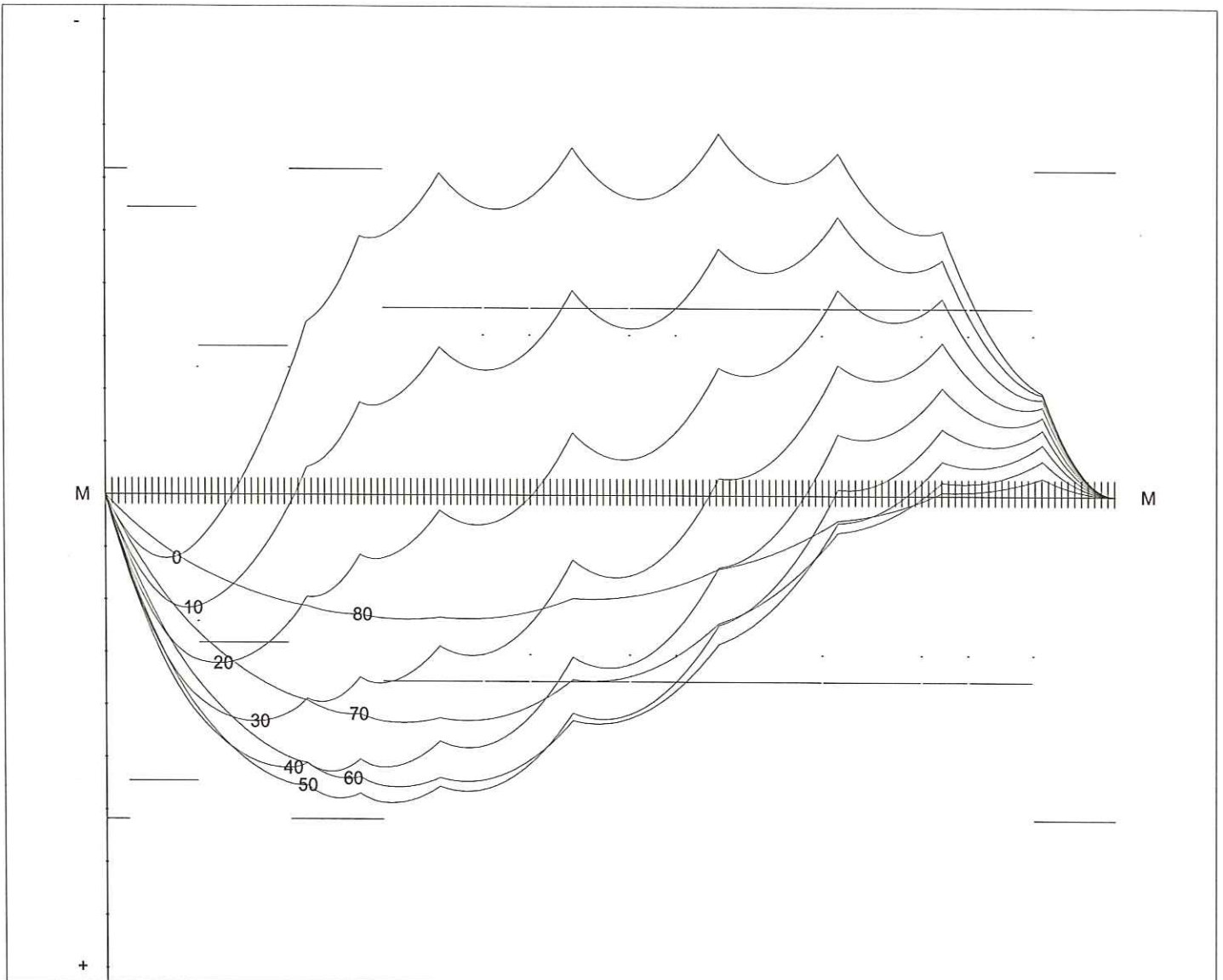
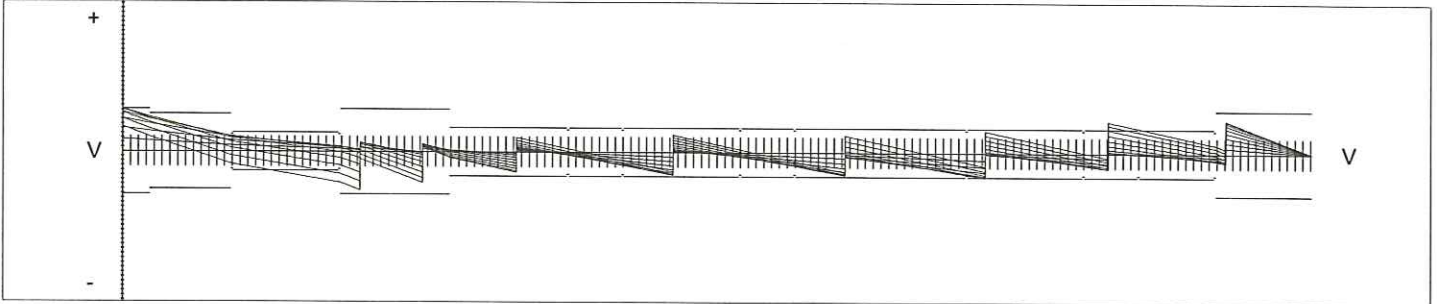
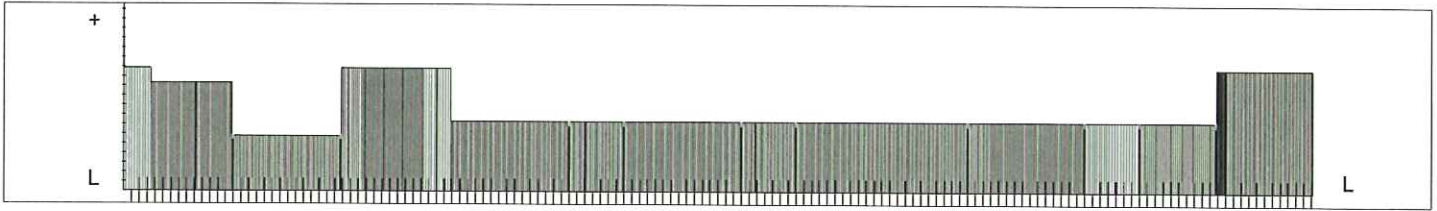


PRESTIGE TILT-UP CONSULTING INC.

***** TILT-UP 3 SYSTEM Analysis *****

Operator : EII
Job no.: 10-189
Pnl no.: P3-22A
Date : 5/9/2011

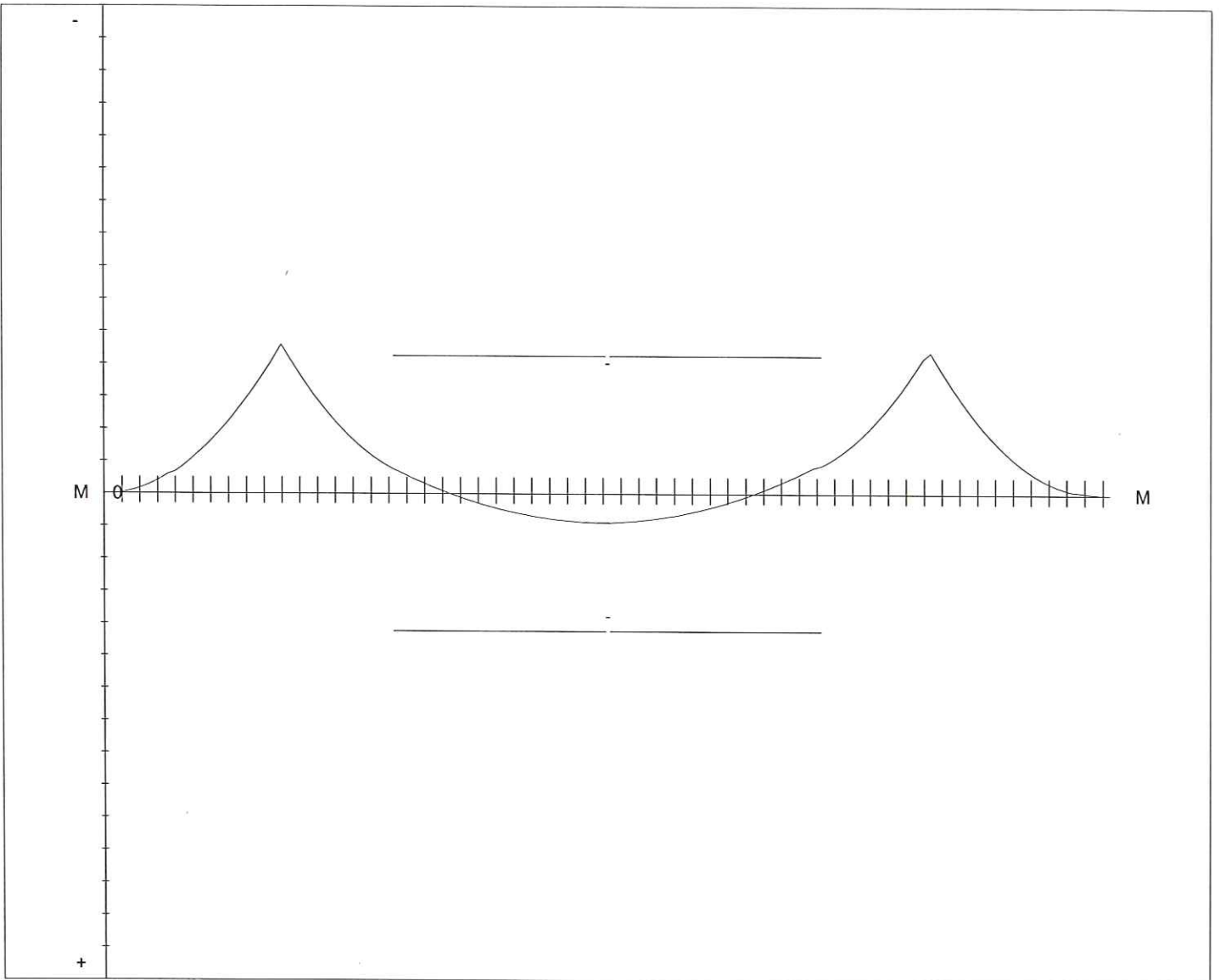
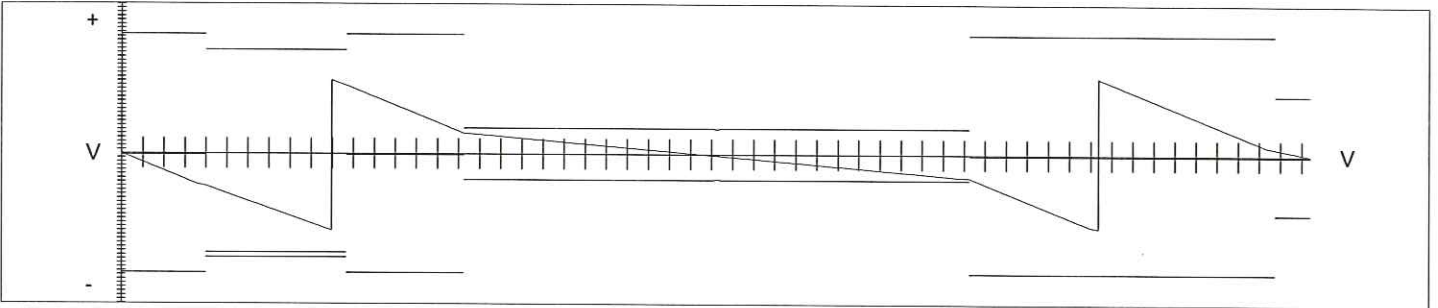
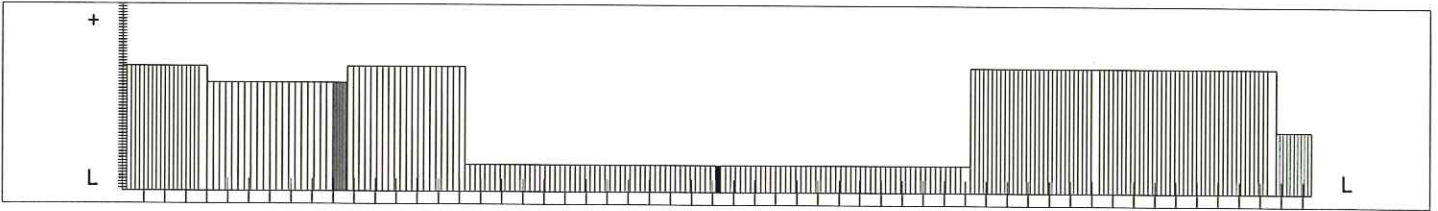
VERTICAL ANALYSIS



***** TILT-UP 3 SYSTEM Analysis *****

Operator : EII
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HORIZONTAL ANALYSIS



70 43.04 B 0283 00076253 00088777 03.04 00.00 00488.02 00045.75
Insert loads

Maximum tension load = 9965.28 lbs per insert.
Maximum shear load = 7738.94 lbs per insert.
Maximum ground reaction = 13653.44 lbs
Maximum positive stress (Bottom) = 749 psi @ 13.92 ft. and 50°
Minimum bottom steel required = 6.31 sq. in.
Maximum negative stress (Top) = 673 psi @ 54.04 ft. and 0°
Minimum top steel required = 6.35 sq. in.

Strongback req'ments (Applicable only if printout shows add'l steel req'd.)

Wood: 35 single 2X12's or equivalent.
15 single 4X12's or equivalent.
Steel: 12 double C6X8.2 or equivalent.
7 double C8x11.5 or equivalent.