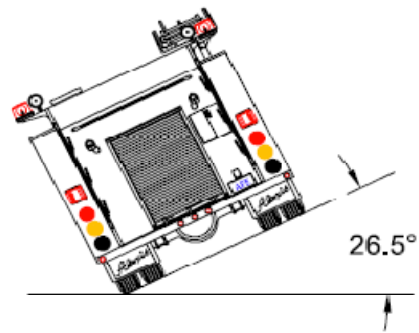
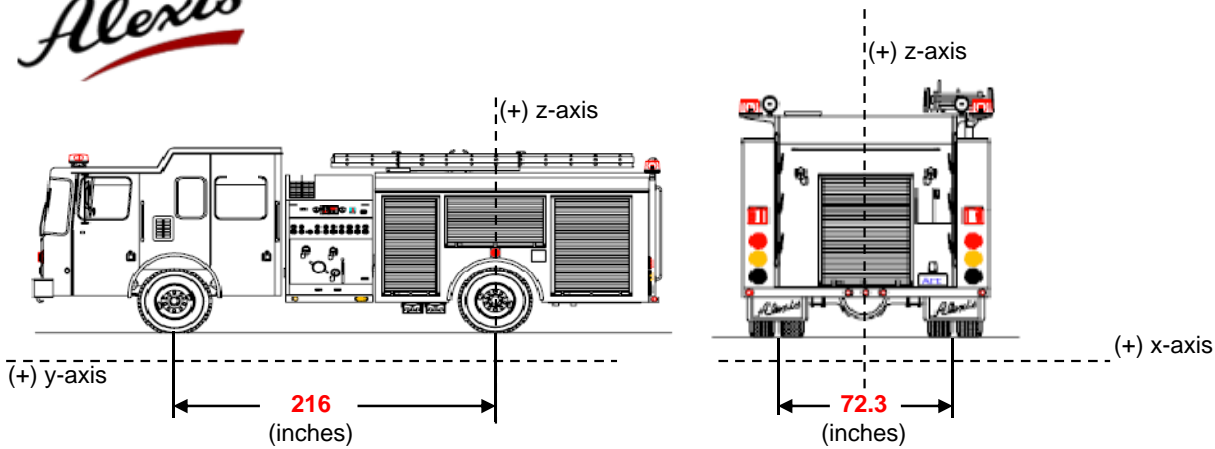


VERTICAL CENTER OF GRAVITY / WEIGHT DISTRIBUTION

2/11/2009



Contract or Proposal Name: **Alexis Fire Equipment (P-P89)(2)**
 Calculated By: **Melissa Bowling**
 Approved By:
 Revision:
 Type of Chassis: **Peterbilt 340 2-dr**
 Type of Pump: **Hale QMAX 150**
 Cab to Axle: **146.2**
 Tank Capacity: **1000**

Item	Weight (lbs)	Coordinates Local C.G. (in)			% Rear	Weight (lbs)	
		x	y	z		Front	Rear
Chassis	11740	0	133	48	38%	7240	4500
Poly Tank (w/water)	9250	0	9	69	96%	385	8865
Officer & Driver	500	0	163	73	25%	377	123
Men & Equip. (cab)	0	0	0	0	0%	0	0
Pump Module	750	0	106	60	51%	368	382
Pump	1400	0	90	43	58%	583	817
Body Module	6000	0	-9	65	104%	-250	6250
Hose Bed	1000	0	-16	102	107%	-74	1074
Add. Equip. front	1000	0	48	56	78%	222	778
Add. Equip. Rear	1000	0	-54	56	125%	-250	1250
Preconnects	400	0	115	58	47%	213	187
Ladders	400	27	5	71	98%	9	391
Suction Hose	250	-27	-11	65	105%	-13	263
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
Total	33690	Global Center of Gravity				8812	24878
GAWR	38000	x	y	z		12000	26000
Load as % of Total	100%	0.1	56.5	59.8		26%	74%

Truck Tipping Angle: **31** degrees (Full Water Tank) **OK**