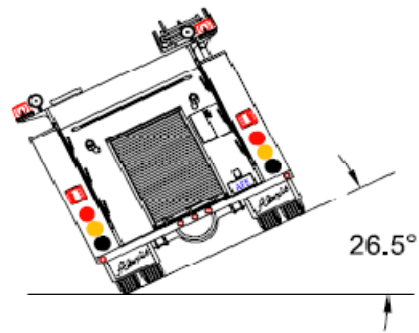
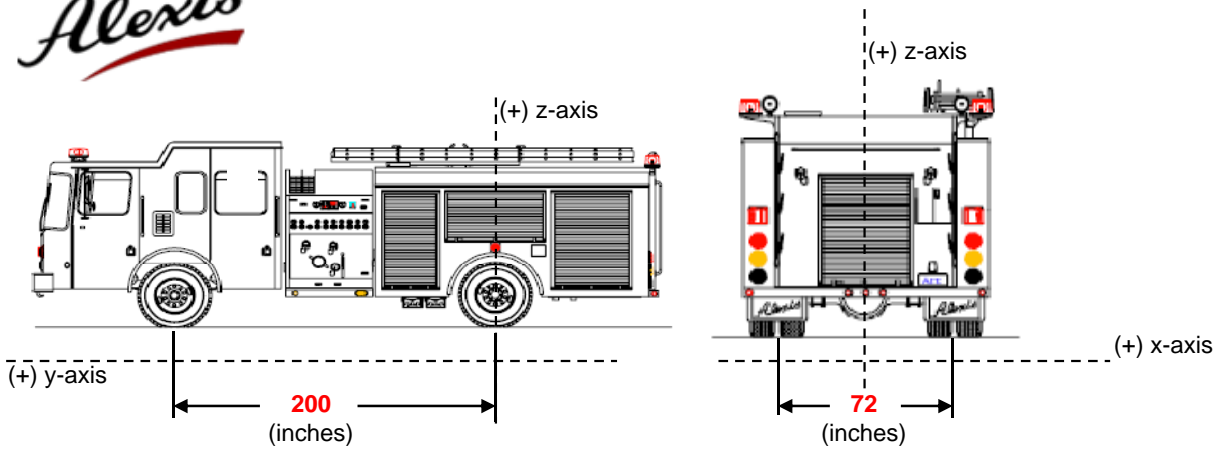


VERTICAL CENTER OF GRAVITY / WEIGHT DISTRIBUTION

4/9/2009



Contract or Proposal Name: **Alexis Fire Equipment**
 Calculated By: **Gerald Wilson**
 Approved By:
 Revision:
 Type of Chassis: **Spartan Metro Star**
 Type of Pump: **Hale DSD 150**
 Cab to Axle: **146**
 Tank Capacity: **1000**

Item	Weight (lbs)	Coordinates Local C.G. (in)			% Rear	Weight (lbs)	
		x	y	z		Front	Rear
Chassis	16200	0	153	50	24%	12360	3840
Poly Tank (w/water)	9250	0	16	65	92%	740	8510
Officer & Driver	750	0	225	65	-13%	844	-94
Men & Equip. (cab)	500	0	200	65	0%	500	0
Pump Module	750	0	111	65	45%	416	334
Pump	1600	0	100	37	50%	800	800
Body Module	4500	0	-6	62	103%	-135	4635
Hose Bed	1000	0	-10	96	105%	-50	1050
Add. Equip. front	1000	0	54	90	73%	270	730
Add. Equip. Rear	1000	0	-54	90	127%	-270	1270
Preconnects	700	0	136	65	32%	476	224
	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
	0	0	0	0	0%	0	0
	0	0	0	0	0%	0	0
Total	37250	Global Center of Gravity				15951	21299
GAWR	45000	x	y	z		18000	27000
Load as % of Total	100%	0.0	85.6	59.1		43%	57%

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