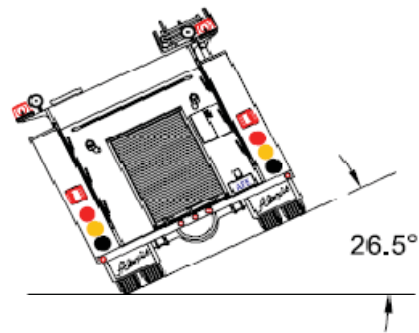
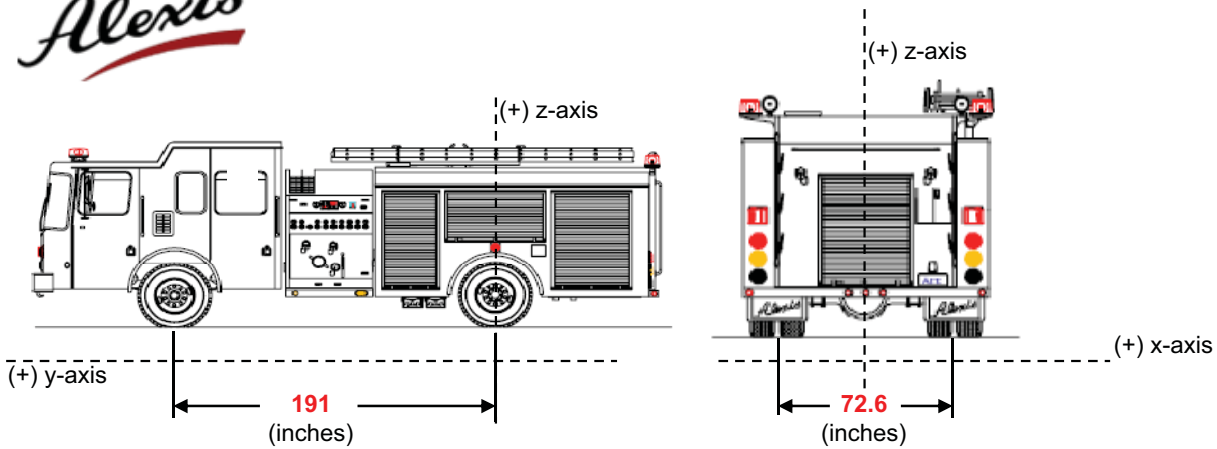


VERTICAL CENTER OF GRAVITY / WEIGHT DISTRIBUTION

4/3/2009



Contract or  
 Proposal Name: **Alexis Fire Equip. T1-B48**  
 Calculated By: **Gerald Wilson**  
 Approved By:  
 Revision:  
 Type of Chassis: **International 7400 2dr**  
 Type of Pump: **Waterous CLVK 500 gpm**  
 Cab to Axle: **123.9**  
 Tank Capacity: **2000**

Item	Weight (lbs)	Coordinates Local C.G. (in)			% Rear	Weight (lbs)	
		x	y	z		Front	Rear
Chassis	11820	0	116	48	39%	7160	4660
Poly Tank (w/water)	18500	0	36	77	81%	3487	15013
Officer & Driver	500	0	144	68	25%	377	123
Men & Equip. (cab)	0	0	0	0	0%	0	0
Pump Module	0	0	0	0	0%	0	0
Pump	500	-18	107	26	44%	280	220
Body Module	2500	0	32	37	83%	419	2081
Hose Bed	1000	0	25	100	87%	131	869
Add. Equip. front	1000	0	75	38	61%	393	607
Add. Equip. Rear	500	0	-42	38	122%	-110	610
2100 Gal Folding Tank	600	-44	32	76	83%	101	499
Dump	450	0	-63	23	133%	-148	598
Ladders	450	44	35	75	82%	82	368
Suction Hose	250	0	32	95	83%	42	208
	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	38070	<b>Global Center of Gravity</b>				12213	25857
GAWR	44000	x	y	z		14000	30000
Load as % of Total	100%	-0.4	61.3	63.1		32%	68%

Truck Tipping Angle: **30** degrees (Full Water Tank) **OK** **OK**