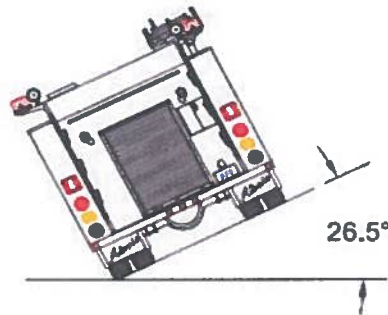
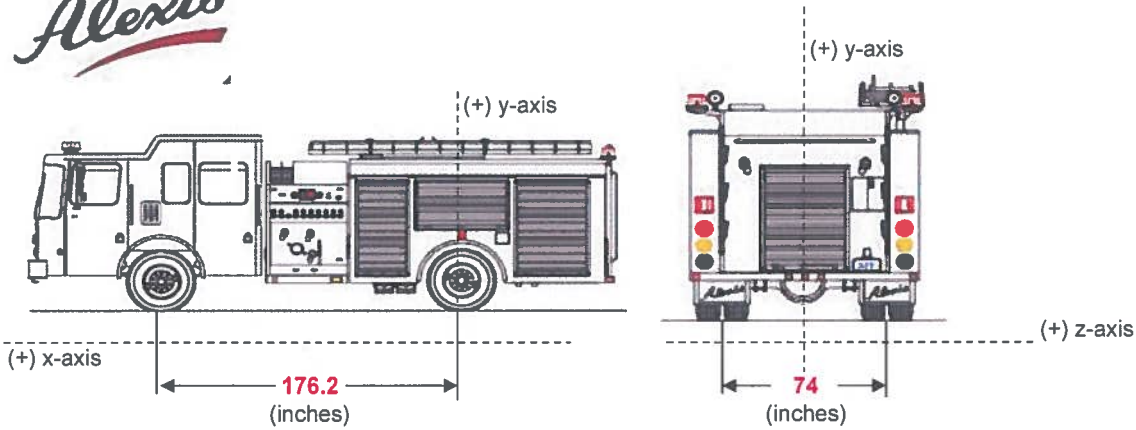


VERTICAL CENTER OF GRAVITY / WEIGHT DISTRIBUTION

3/2/2016



Contract No: **SK821**
 Proposal Name: **AFE DEMO SKID**
 Calculated By: **Melissa Tinkham**
 Approved By:
 Revision:
 Type of Chassis: **Ford F-550 4-dr 4x4**
 Type of Pump: **Darley 1/5AGE 20H**
 Cab to Axle: **60**
 Tank Capacity: **300**

Item	Weight (lbs)	Coordinates Local C.G. (in)			% Rear	Weight (lbs)	
		z	x	y		Front	Rear
Chassis	8576	0	103	36	42%	4997	3579
Poly Tank (w/water)	2775	0	12.5	61.75	93%	197	2578
Officer & Driver	500	0	108	45	39%	306	194
Men & Equip. (cab)	750	0	72	45	59%	306	444
	0	0	0	0	0%	0	0
Pump	500	0	-32.5	65	118%	-92	592
Body Module	1200	0	3	51	98%	20	1180
Hose Trays	600	0	-9.5	71.5	105%	-32	632
Add. Equip.	1000	0	-9.5	56	105%	-54	1054
Booster Reel	200	0	15	89	91%	17	183
	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
	0	0	0	0	0%	0	0
Total	16101	Global Center of Gravity				5666	10435
GAWR	19500	x	y	z		7000	14700
Load as % of Total	100%	0.0	62.0	46.4		35%	65%
						OK	OK

Truck Tipping Angle: **39** degrees (Full Water Tank) **OK**
 Maximum vertical center of gravity "z" = **59.20** **OK**
 (Maximum "z" is 80% of the rear axle track width)

