Design Considerations

Z axis

ø axis

Y axis

X axis

Name _____ **Date** _____

Company _____ **State** _____

Phone ( ) _____ **Email** _____

System Requirements

Budget *(per system)* _____

Axis	X	Y	Z	ø	Axis	X	Y	Z	ø
Load Dimensions length x width (in or mm)					**Maximum Accel** (in/sec² or m/sec²)				
Load Weight (lbs or kg)					**Duty Cycle** (%)				
Travel Length (in or mm)					**Table Life** (millions of inches or Km)				
Repeatability (in or mm)					**Motor Frame Size** (NEMA 23, 34, 42, other)				
Accuracy (Overall - in or mm)					**Limit Switch Type** (mech, reed, hall, prox)				
Maximum Speed (in/sec or mm/sec)					**Waycovers** (Yes or No)				
Most Difficult Move Profile — Distance (in or mm)					**Encoder** (linear, rotary, & resolution)				
Most Difficult Move Profile — Time (sec)					**Power-off Brake** (Yes or No)				

Special Requirements	☐ High Temperature	☐ Clean Room	☐ Maximum Smoothness	☐ Motor Wrap
	☐ Vacuum Rated	☐ High Moisture	☐ Low Audible Noise	☐ Other (explain below)

Moment Loads

Horizontal Application

W

d_4 = _____

d_3 = _____

Side Mounted Application

d_4 = _____

W

d_3 = _____

W

Vertical Application

d_4 = _____

W

d_3 = _____

Load Weight (W) _____ (lbs or kg)

Application Details