Reference/Quote _____ Date _____ Phone _____

Customer _____ Email _____

Address _____

TIDLAND AIR BRAKE APPLICATION FORM

EXISTING BRAKE INFO

Size _____

Make _____

○ Disk ○ Drum

Number of Calipers _____

Cooling Method

○ Air Cooled ○ Water Cooled

Air Pressure Used During Run

_____ PSI

EXISTING EQUIPMENT

Make _____

Type _____

○ Shaftless Backstand ○ Shaft-type Backstand

○ Brake Both Sides ○ Brakes One Side

Dancer Roll Installed?

○ Yes ○ No

Space Limitations?
(Submit drawing or sketch)

APPLICATION DATA

Type of Application _____

Material to be Unwound _____

Web Width _____

Core O.D. _____

Roll O.D.

Min _____ Max _____ _____

Roll Weight

Min _____ Max _____ _____

H.P. of Machine Drive

_____ H.P.

Max Web Speed

_____ FPM

Sheet Tension Desired

Min _____ PLI Max _____ PLI

Paper Basis Weight

_____ lb/Ream, 3000 ft²

Number of Stops per Hour

_____

Duration of Stop

_____ min.

Normal Stop:
Time Required to Stop Roll

_____ min.

Emergency Stop:
Time Required to Stop Roll

_____ sec.

TYPICAL MATERIAL TENSION

Paper	PLI
15# / Ream	0.5
20# / Ream	0.75
30# / Ream	1.0
40# / Ream	1.5
60# / Ream	2.0
80# / Ream	2.5

Paperboard	
8 pt	3.0
12 pt	4.0
15 pt	5.0
20 pt	7.0
25 pt	9.0
30 pt	11.0

Non-Paper (per mil)	
Aluminum Foils	0.5 - 1.5 (1.0 Avg)
Mylar (Polyesther)	0.5 - 1.0 (0.75 Avg)
Polyethylene	0.25 - 0.3
Polypropylene	0.25 - 0.3
Pulystyrene	1.0
Cellophanes	0.5 - 1.0
Acetate	0.5
Saran/Vinyl	0.05 - 0.2 (0.1 Avg)

Substrates

Mylar and Oriented Propylene	
0.0005" - 0.001"	0.12
0.0011" - 0.002"	0.25

Nylon and Castpropylene (non-Oriented)	
0.00075"	0.15
0.001"	0.25
0.002"	0.5

Laminations	
25# paper / 0.0005 PE / 0.00035 Foil / 0.001 PE	3.0
0.001 Cello / 0.0005 PE / 0.001 Cello	1.5

***Substrates coated with PE, Nylon, PP add:**

Coating Thickness	
0.0005" - 0.001"	0.12
0.0011" - 0.002"	0.25

ADDITIONAL COMMENTS