

TECHNICAL SPECIFICATION

10. DRYER SECTION:

The dryer section will consist of a combination of single tier and double tier dryer configurations. The design will allow for no basement being under the dryer section. A minimum of 36 inches under any cross machine component will be maintained for broke collection and manual removal.

Dryers groups:

First Group	7 Dryers in single tier design, with grooved rolls
Second Group	10 Dryers, double felted
Third Group	10 Dryers, double felted
Fourth Group	10 Dryers, double felted

Design Data

Maximum Operating Steam Pressure	150 PSI
Test Steam Pressure	300 PSI
Felt Tension	25 PLI

QTY.	ITEM	DESCRIPTION
Lot	Framework	cast iron and/or carbon steel fabrications
Lot	Enclosed gearing	semi-silent type drive design, with cast iron gears, fabricated gear cases, bearings and oil lubrication nozzles
37	Drying cylinders	72 in. diameter, cast iron shell, with bearings and housings where required, with rope rings and insulating sleeves
37	Steam joints and syphons	stationary syphons, with flexible hoses, sight glass and mounting brackets
6	Grooved dryer rolls	39.4 in. diameter, grooved cast iron shell, with bearings and housings, with rope rings

TECHNICAL SPECIFICATION

10. DRYER SECTION (Cont.):

QTY.	ITEM	DESCRIPTION
73	Felt rolls	11.5 in. diameter, steel shell, with bearings and housings
1	Paper roll	11.5 in. diameter, steel shell, with bearing and housings
1	Tension roll mechanism	carbon steel mounting and pivot arms, pneumatic operated
7	Automatic felt guides	on tending side, pneumatic operated
7	Manual felt guides	on tending side, manual operated
7	Felt stretchers	pneumatic cylinder/cable operated
9	Dryer doctors	carbon steel, oscillating, gravity loaded for all single tier drying cylinders and the first drying cylinder of each double tier group
24	Dryer doctors	carbon steel, stationary, gravity loaded
4	Dryer doctor	carbon steel, oscillating, DST type loading, heavy duty design for last drying cylinder of each group
1	Tail cutter	remote manually operated, rotating saw blade with pneumatic drive
6	Sheet support boxes	stainless steel, with one (1) blower system for all support boxes
4	Rope systems	2-rope design, for each dryer group, with pneumatic loaded stretchers, bearing mounted rope sheaves and supports
Lot	Footwalks	carbon steel, with handrails, mountings and ladders, tending side only

TECHNICAL SPECIFICATION

11. DRYER SECTION (Cont.):

QTY.	ITEM	DESCRIPTION
Lot	Safety guards	per OSHA regulations
Lot	Shop pre-erection	one (1) short section for verification of component fit
Lot	Painting	components not made of stainless steel will be painted per Builders standard paint specifications, Purchaser to select color
4	Operating & maintenance manuals	for mechanical and instrumentation sections; the manuals will include descriptions for each function, with assembly drawings, parts lists, consumption lists and illustrations of each major component