Niagara Mill Wet Lap Machine – 1993 Hymac rebuilt by Andritz in 2000

- Manufactured
  - Metso (Hymac) 1993
- Production
  - 200 BDSTPD

CONDITIONS D'OPERATION OPERATING CONDITIONS	
PATE STOCK	HARDWOOD SULPHITE
TONNAGE	200 BDSTPD
CONSISTANCE A L'ENTREE INLET CONSISTENCY	3.5 – 4.0% B.D.
CONSISTANCE A LA SORTIE OUTLET CONSISTENCY	42 – 47% B.D.
INDICE D'EGOUTTEMENT FREENESS	
TEMPERATURE	50°F – 120°F
PH:	7 TO 9
DIMENSION MAX. DES BALLOTS MAXIMUM BALES DIMENSION	52" LARGE X 50" HAUT X 46" PROF. (1321) WIDE X (1270) HEIGHT X (1168) DEEP

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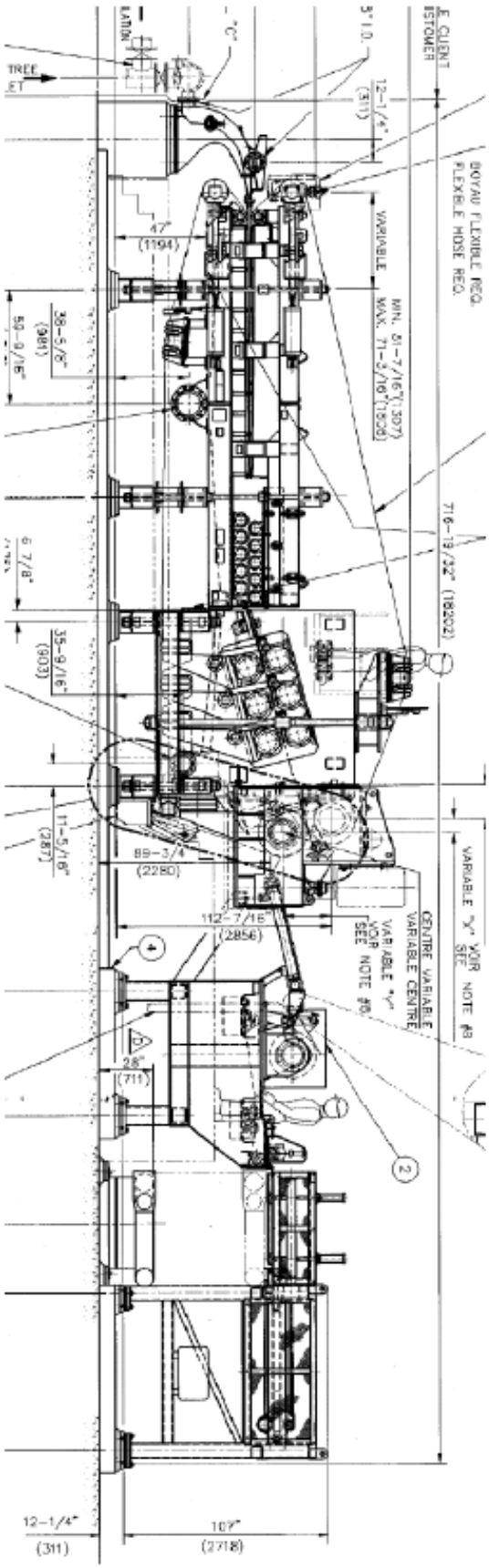

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- Vacuum System
  - Vacuum system installed on the Cutter layboy and used to convey the pulp sheet from the transfer belt to the lowering conveyor.

- Floating Wedge with Side Deckle Assembly
  - The whole upper wedge section floats on the pulp located in the wedge section
  - The wedge section continually adjust to changes in the pulp characteristics
  - Process disturbances are easily accommodated.

- Wire Tensioning Device
  - Assembly consists of a pair of pneumatic cylinders that are attached to a SST Rod
  - The tension rolls are attached at the end of the rod
  - A gear mechanism with cross shaft ensure that the tension roll is pushed/pulled evenly from one side to the other.

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- Sheet Transfer Device and Edge Trim
  - Sheet Transfer Device used to transfer the pulp sheet from TWP to Cutter Layboy
  - Adjustable edge Trim nozzles attached to the transfer doctor

- Wire Cleaning Shower
  - High pressure oscillating showers on both the top and bottom wire to keep the wire clean.
  - The shower pipes are located inside SST boxes equipped with seals to prevent leakage.

• Production	TBD
• Grade	SW, HW, Blend
• Freeness	Minimum of 620 CSF
• Feed consistency	Minimum of 4.2%+/- .2%
• Ph	7.0 +/- 0.2 units
• Ash content	Maximum of 3%
• Stock Temperature	Minimum of 140 deg F
• Dryness target	Minimum 45%
• Bale SIze	52" large x 50" high x 46" deep

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Proposed upgrades for production increase to approximately 400 bdst/day

- TWP frame extended by 78 inches.
- New frame support legs added.
- Existing S roll section relocated and 4 S rolls added.
- New independent foil section (2 segments) added.
- New saveall c/w drain (under S roll section) added.
- Top wire guide roll relocated.
- New tension roll doctors c/w lube showers added.
- New dewatering barrier added between last foil and first S roll.
- New grooved roll showers (3) added.
- New grooved roll wipers (3) added.
- HP wire clean showers (2) c/w savealls and pulp doctor.
- New outside bottom wire roll shown to increase wrap on bottom drive roll.
- New bottom wire outside roll cleaning shower
- New headbox dilution shower added.