

MEMORANDUM

POWER REQUIREMENTS - EXPERIMENTAL MILL

C. P. P. R. C. Building.

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The total power requirements of the mill may best be divided by Departments as follows:-

1) Groundwood Department -

Wood Pulp Grinder 150 K.W.

2) Paper Making Department -

Beaters, jordan, stock chests, pumps, paper machine etc. 50 K.W.

3) Screening Department -

Knotter, decker, Rotary screen, centrifugal screen wet machines, pumps, etc. 38.1 K.W.

4) Wood Room Department -

Chipper and chip screen. 22.35 K.W.

5) Machine shop -

Machine shop tools. 4.47 K.W.

The groundwood department has been designed to investigate the mechanical grinding of wood over a wide range of conditions and to accomplish this great latitude must be allowed in power demand. It is estimated that the demand of the grinder motor will vary from 100 K.W. to 225 K.W. with a normal operating demand of 150 K.W.