SERIAL NO. J-1099

CALENDER DESIGNED

FOR

BYRON WESTON COMPANY

DALTON, MASSACHUSETTS- MACHINE #2

Manchester F.O. No.	0857-300
Customer Order No.	4094
Roll Face Length	120"
Top Roll Diameter	24"
Bottom Roll Diameter	16"
Frame Center Distance	144"
Bearing Center Distance	144"

ELECTRICAL CHARACTERISTICS:

Volts [MOTOR/CONTROLS]	575/115
Phase [MOTOR/CONTROLS]	3/1
Hz.	60

DESIGN LIMITS

Max. Nip Pressure [PLI]	700
Max. Speed [FPM]	750

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DALTON, MASS.

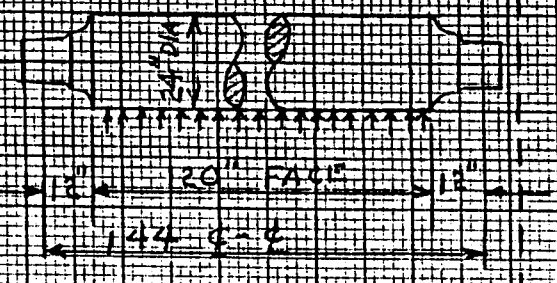
J-1099

NIP LOAD VS. DEFLECTION FOR TOP CALENDER ROLL

MAXIMUM DESIGN LIMIT

800
700
600
500
400
300
200
100

NIP LOAD - P.L.I.



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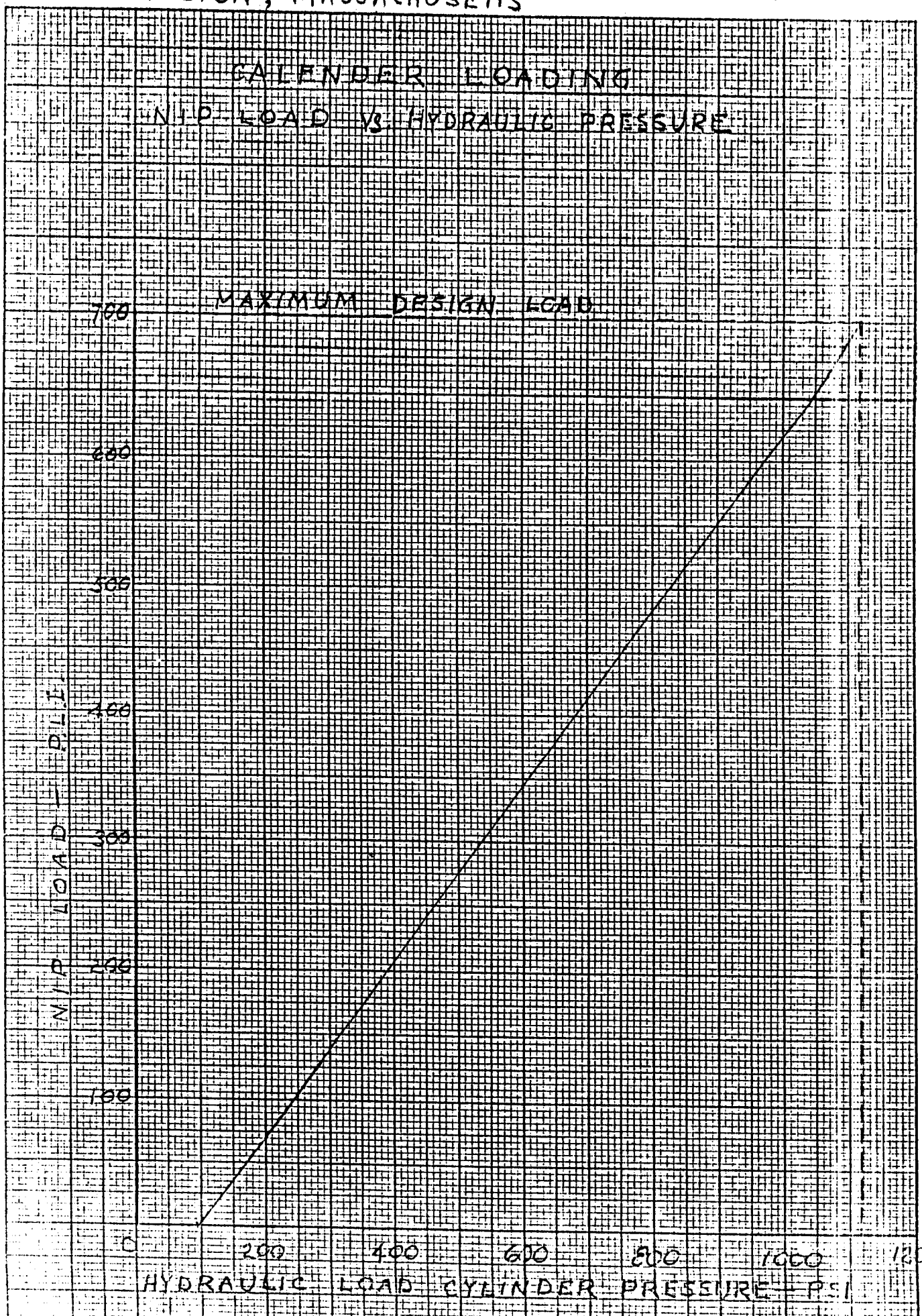
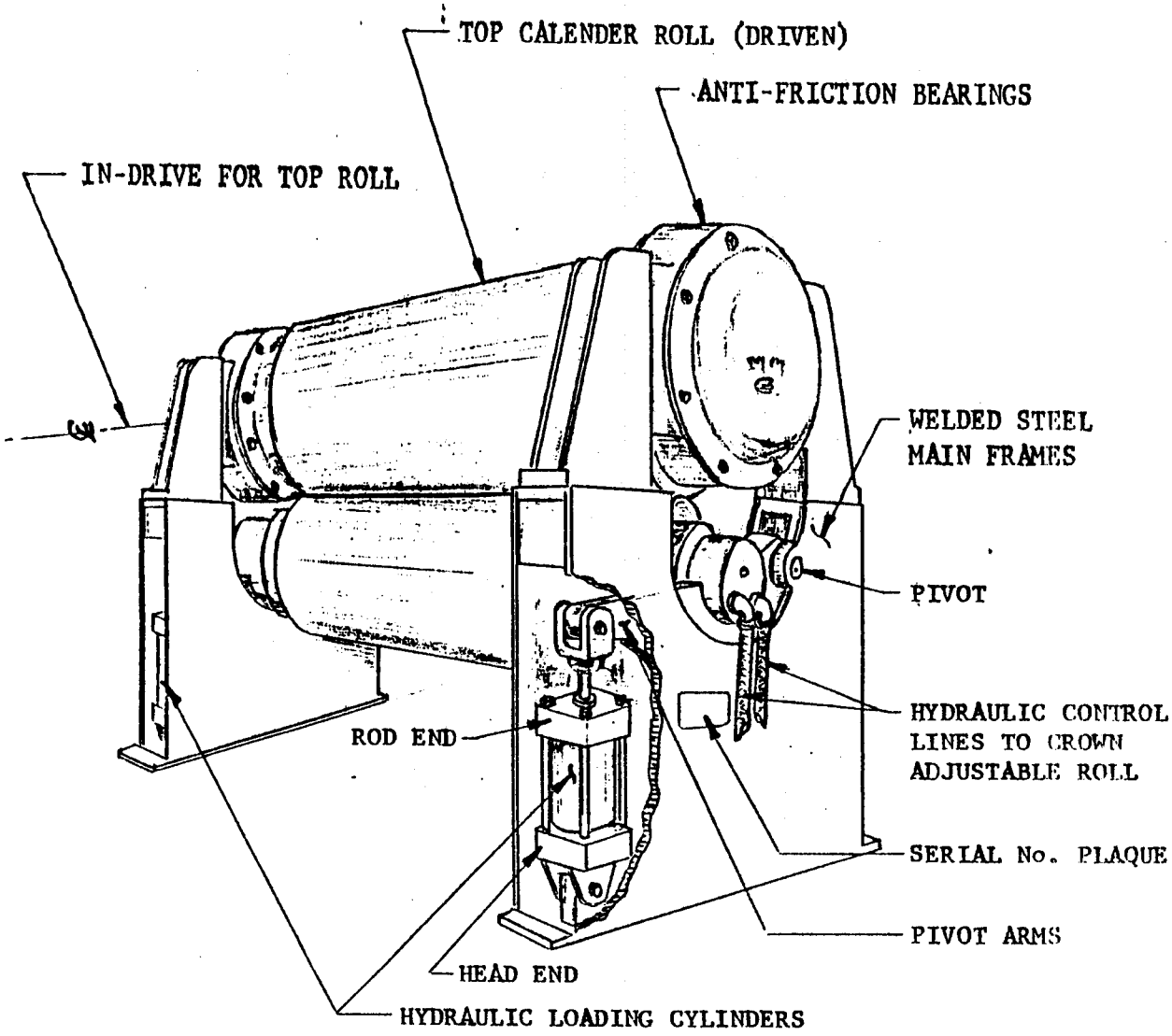
ROLL DEFLECTION - INCHES

BYRON - WESTON COMPANY
DALTON, MASSACHUSETTS

J-1099





SUMMARY OF BASIC MACHINE

The single nip calender consists of a driven top roll with anti-friction bearings mounted on frames of welded steel construction. The bottom roll (Swimming Roll) is a hydraulically controled variable crown roll. (See manual under separate cover). This roll has self-contained anti-friction bearings and is driven thru contact with the top roll.

The bottom roll rests in pivoted arms on its stationary center shaft. Hydraulic cylinders raise the pivoted arms to bring the bottom roll into contact and load against the top roll.

SECTION I - GENERAL INFORMATION