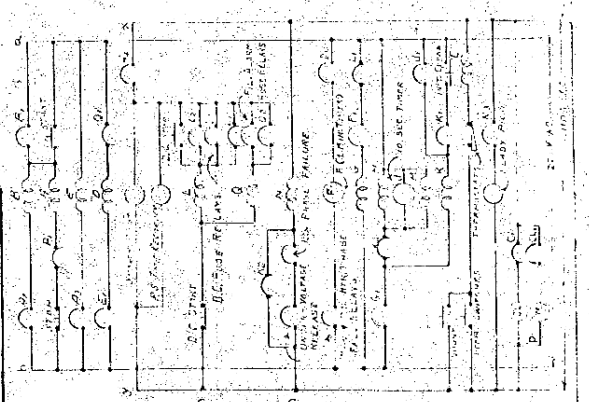
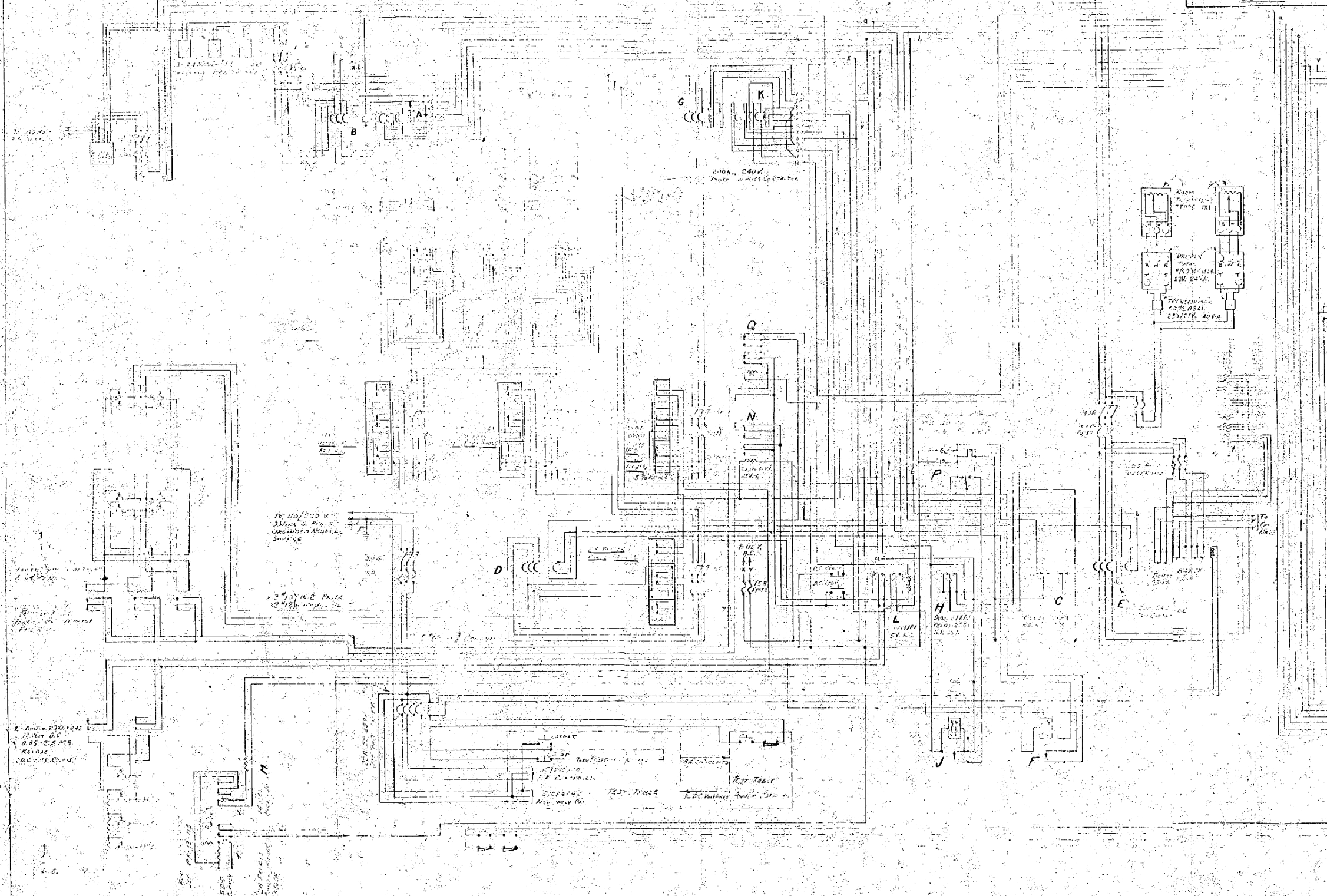


1. Auxiliary Relay Control
 2. Main Relay Control
 3. Motor Control
 4. Power Supply Control
 5. Alarm Control
 6. Interlocking Control
 7. Safety Control
 8. Emergency Stop Control
 9. Start Control
 10. Stop Control
 11. Reset Control
 12. Lockout Control
 13. Test Control
 14. Maintenance Control
 15. Diagnostic Control
 16. Monitoring Control
 17. Reporting Control
 18. Archiving Control
 19. Configuration Control
 20. Security Control
 21. Backup Control
 22. Restore Control
 23. Upgrade Control
 24. Patch Control
 25. Firmware Control
 26. Calibration Control
 27. Verification Control
 28. Validation Control
 29. Acceptance Control
 30. Release Control
 31. Hold Control
 32. Abort Control
 33. Cancel Control
 34. Refresh Control
 35. Revert Control
 36. Rollback Control
 37. Revert to Defaults Control
 38. Restore Defaults Control
 39. Factory Defaults Control
 40. Default Settings Control
 41. Default Configuration Control
 42. Default Parameters Control
 43. Default Values Control
 44. Default States Control
 45. Default Modes Control
 46. Default Profiles Control
 47. Default Templates Control
 48. Default Presets Control
 49. Default Recipes Control
 50. Default Programs Control
 51. Default Scripts Control
 52. Default Macros Control
 53. Default Functions Control
 54. Default Procedures Control
 55. Default Processes Control
 56. Default Operations Control
 57. Default Tasks Control
 58. Default Jobs Control
 59. Default Batches Control
 60. Default Cycles Control
 61. Default Sequences Control
 62. Default Flows Control
 63. Default Paths Control
 64. Default Routes Control
 65. Default Schedules Control
 66. Default Timers Control
 67. Default Delays Control
 68. Default Intervals Control
 69. Default Rates Control
 70. Default Frequencies Control
 71. Default Periods Control
 72. Default Durations Control
 73. Default Times Control
 74. Default Durations Control
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 99. Default Times Control
 100. Default Times Control



- CONTROL CIRCUITS**
- A - AUXILIARY RELAY
 - B - EA AC MAINS CONTACTOR
 - C - AUXILIARY RELAY
 - D - POWER SUPPLY CONTACTOR
 - E - FAN CONTACTOR
 - F - 1 HOUR TIMER
 - G - POWER SUPPLY CONTACTOR
 - H - 10 MINUTE TIMER
 - I - 10 MINUTE TIMER
 - J - 10 MINUTE TIMER
 - K - AUXILIARY RELAY
 - L - UNDER-VOLTAGE RELEASE RELAY (DC FAILURE)
 - M - UNDER-VOLTAGE RELEASE PICK UP RELAY (M)
 - N - AUXILIARY RELAY
 - P - DC EA AC SUPPLY TIE
 - Q - POWER SUPPLY CONTACTOR (EA AC FAIL)



1. Power Supply Unit
2. Main Relay
3. Motor Control
4. Alarm Control
5. Interlocking Control
6. Safety Control
7. Emergency Stop Control
8. Start Control

PUMP FAILURE RELAYS ARE
 ADJUSTED TO DROP OUT AT
 AT 60-65% OF RATED VOLTAGE

MOORE SCHOOL OF ELECTRICAL ENGINEERING UNIVERSITY OF PENNSYLVANIA		
MATERIAL	FINISH	SCALE
Drawn by:	Checked by:	Approved by:
		PX-101