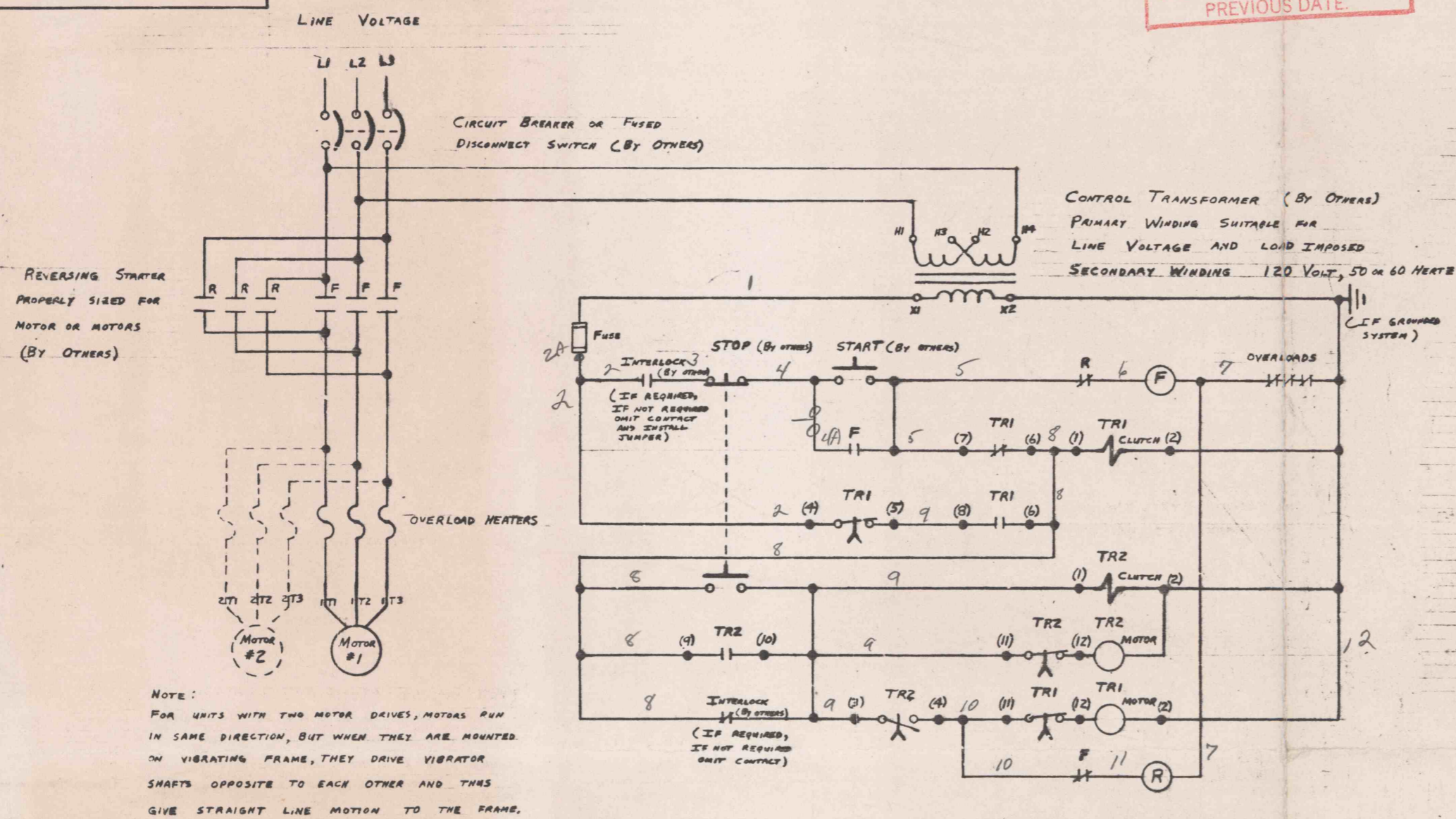


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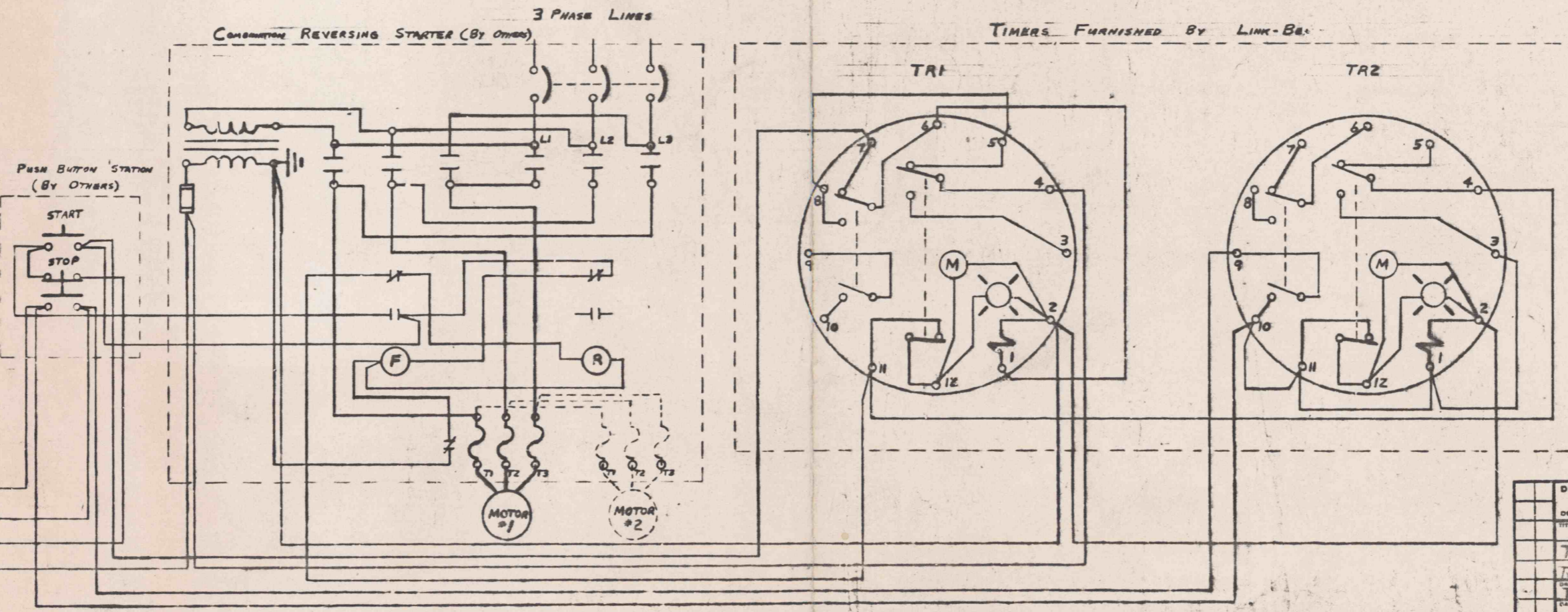
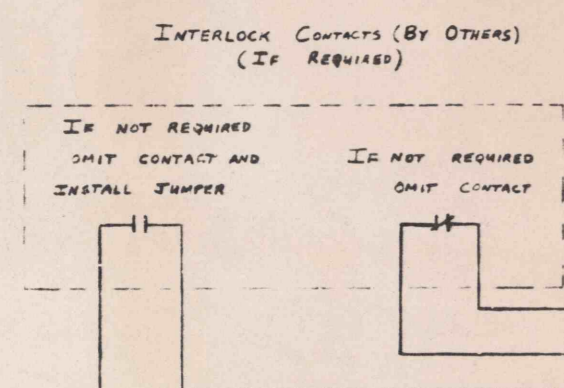


SCHEMATIC DIAGRAM

ON DELAY TIMER
ENERGIZED CLUTCH COIL STARTS TIMING.
DE-ENERGIZED CLUTCH COIL RESETS TIMER.
TIMER RESETS ON POWER FAILURE.
X - CLOSED OR ON
O - OPEN OR OFF

CONTACTS	RESET (Power Off)		TIMING		TIMED OUT	
	CLUTCH	MOTOR	OFF	ON	ON	OFF
9-10	O	O	X	X	X	X
6-8	O	O	X	X	X	X
6-7	X	X	O	O	O	O
4-5	X	X	X	X	O	O
4-3	O	O	O	X	X	O
11-12	X	X	X	X	O	O

NOTE:
TIMERS AND MOUNTING BRACKETS FURNISHED BY LINK-BELT TO BE INSTALLED BY OTHERS
IN AN ENCLOSURE FURNISHED BY OTHERS SUITABLE FOR ENVIRONMENTAL
CONDITIONS AT THE JOB SITE.



WIRING DIAGRAM

DESCRIPTION OF CONTROLS

PURPOSE
THE PURPOSE OF THE CONTROLS IS TO PREVENT POSSIBLY DAMAGING VIBRATIONS AS THE UNIT GOES THRU RESONANCE DURING STOPPING. TO ACCOMPLISH THIS THE UNIT IS DE-ENERGIZED AND THE UNIT IS ALLOWED TO COAST FOR A TIMED PERIOD, THEREBY PERMITTING A LARGE AMOUNT OF ENERGY TO BE DISSIPATED. AFTER THE TIMED COASTING PERIOD THE UNIT IS ENERGIZED IN THE REVERSE DIRECTION FOR A TIMED PERIOD. THIS BRINGS THE UNIT THRU RESONANCE QUICKLY, THUS PREVENTING ANY LARGE AMPLITUDE VIBRATIONS. THE UNIT IS THEN DE-ENERGIZED AGAIN UPON COMING TO A STOP, PREVENTING STARTING IN THE REVERSE DIRECTION.

IN BRIEF FORM THIS MEANS, THE UNIT COASTS AND THEN IS PLUGGED TO A STOP.

ADJUSTMENT
TO ACCOMPLISH THE ABOVE, START WITH THE FOLLOWING INITIAL TIMER SETTINGS: FOR TWO OR FOUR SMART (STRAIGHTLINE MOTION) UNITS, SET TIMER TR1 AT 4 SECONDS AND TIMER TR2 AT 10 SECONDS; FOR ONE SMART (CIRCULAR MOTION) UNITS, SET TIMER TR1 AT 1 SECONDS AND TIMER TR2 AT 12 SECONDS.

- 1) START THE UNIT AND ALLOW TIME FOR UNIT TO OBTAIN NORMAL OPERATING SPEED.
- 2) STOP UNIT AND OBSERVE UNIT DURING STOPPING.
- 3) TIMER TR1 SETS THE TIME THE UNIT IS TO BE PLUGGED. TIMER TR2 SETS THE TIME THE UNIT WILL COAST PRIOR TO BEING PLUGGED.
- 4) IF THE UNIT COASTS THRU A PERIOD OF VIGOROUS VIBRATIONS PRIOR TO THE PLUGGING OF THE UNIT, REDUCE TIMER TR2 SETTING IN SMALL INCREMENTS UNTIL THE PLUGGING OCCURS JUST PRIOR TO THE TIME THE UNIT VIBRATES VIGOROUSLY.
- 5) IF THE UNIT COASTS, IS PLUGGED, COASTS, AND THEN COASTS THRU A PERIOD OF VIGOROUS VIBRATIONS, INCREASE TIMER TR2 SETTING IN SMALL INCREMENTS UNTIL THE PLUGGING OCCURS JUST PRIOR TO THE TIME THE UNIT VIBRATES VIGOROUSLY.
- 6) IF THE UNIT IS PLUGGED JUST PRIOR TO THE VIGOROUS VIBRATIONS BUT STILL VIBRATES VIGOROUSLY BEFORE STOPPING, INCREASE TIMER TR1 SETTING IN SMALL INCREMENTS UNTIL THE PLUGGING TIME IS SUFFICIENT TO STOP THE VIGOROUS VIBRATIONS WITHOUT ACTUALLY REVERSING THE UNIT.
- 7) IF THE UNIT IS PLUGGED JUST PRIOR TO THE VIGOROUS VIBRATIONS BUT PLUGS TO A STOP AND STARTS UP IN THE REVERSE DIRECTION, REDUCE TIMER TR1 SETTING IN SMALL INCREMENTS UNTIL THE PLUGGING TIME IS SUFFICIENT TO STOP THE VIGOROUS VIBRATIONS WITHOUT ACTUALLY REVERSING THE UNIT.

IDENTIFICATION		MATERIAL LIST		REFERENCE	STANDARD
GROUP	PIECE	QTY	SPECIFICATION		
			For 60 HERTZ POWER		
A	1	2	EAGLE SIGNAL BULLETIN 125 CYCL-FLEX RESET TIMER HPS SERIES ON DELAY DIAL RANGE .5 TO 15 SEC FOR 120 VOLT, 60 HERTZ CATALOG No. HPS125A6 COMPLETE WITH MOUNTING BRACKETS CATALOG No. H-5391		
			BUY FROM: KELBURN ENG. CO. 6545 N. OLNEY RD. CHICAGO, ILLINOIS		
	3	4	POINTS OF D800406		
B			For 50 HERTZ POWER		
	2	2	EAGLE SIGNAL BULLETIN 125 CYCL-FLEX RESET TIMER HPS SERIES ON DELAY DIAL RANGE .5 TO 15 SEC FOR 120 VOLT, 50 HERTZ CATALOG No. HPS125A5 COMPLETE WITH MOUNTING BRACKETS CATALOG No. H-5391		
			BUY FROM: KELBURN ENG. CO. 6545 N. OLNEY RD. CHICAGO, ILLINOIS		
	3	4	POINTS OF 1661227B		

ELECTRICAL OPERATION

START UNIT BY DEPRESSING START BUTTON. THIS WILL ENERGIZE FORWARD CONTACTOR WHICH WILL START THE MOTOR. AT THE SAME TIME TIMER CLUTCH TR1 IS ENERGIZED, WHICH OPENS TR1 CONTACTS 6-7 AND CLOSSES TR1 CONTACTS 6-8 SEALING IN TIMER CLUTCH TR1 THRU TIMER TR1 TIMED CONTACT 4-5.

STOP UNIT BY DEPRESSING STOP BUTTON. THIS WILL DE-ENERGIZE THE FORWARD CONTACTOR AND ENERGIZE TIMER TR2 CLUTCH AND MOTOR. TIMER TR2 CLUTCH THRU CLOSING SEALING IN TIMER TR2 CLUTCH AND MOTOR THRU TIMER TR2 TIMED CONTACT 4-5. TIMER TR2 STARTS TIMING. AT THE END OF THE TIMED SETTING ON TR2, TIMER TR2 TIMED CONTACT 3-4 CLOSURE ENERGIZING TIMER TR1 MOTOR AND REVERSE CONTACTOR. TIMER TR2 TIMED CONTACT 11-12 OPENS DE-ENERGIZING TIMER TR2 MOTOR. TIMER TR1 STARTS TIMING. AT THE END OF THE TIMED SETTING ON TIMER TR1, TIMER TR1 TIMED CONTACT 4-5 OPENS, WHICH DE-ENERGIZES TIMER TR1 CLUTCH, TIMER TR2, AND REVERSE CONTACTOR. BOTH TIMERS RESET.

DIMENSION TOLERANCES EXCEPT AS SPECIFIED:		FRACTIONAL		DECIMAL	
1/16"	1/32"	1/16"	1/32"	1/16"	1/32"
ELECTRICAL DIAGRAMS FOR THIS UNIT					
TIMERS PLUGGING TO A STOP ONE OF THE					
THIS MOTOR VIBRATING UNIT DRIVES					
LINK-BELT COMPANY					
D800406					

Tipple Dwg.
Hold

PLUGGING CONTROL FOR
NEW 116 SCREENS