HOME STATE OF ROTATE SOLENOID FOR R–L CONFIGURATION

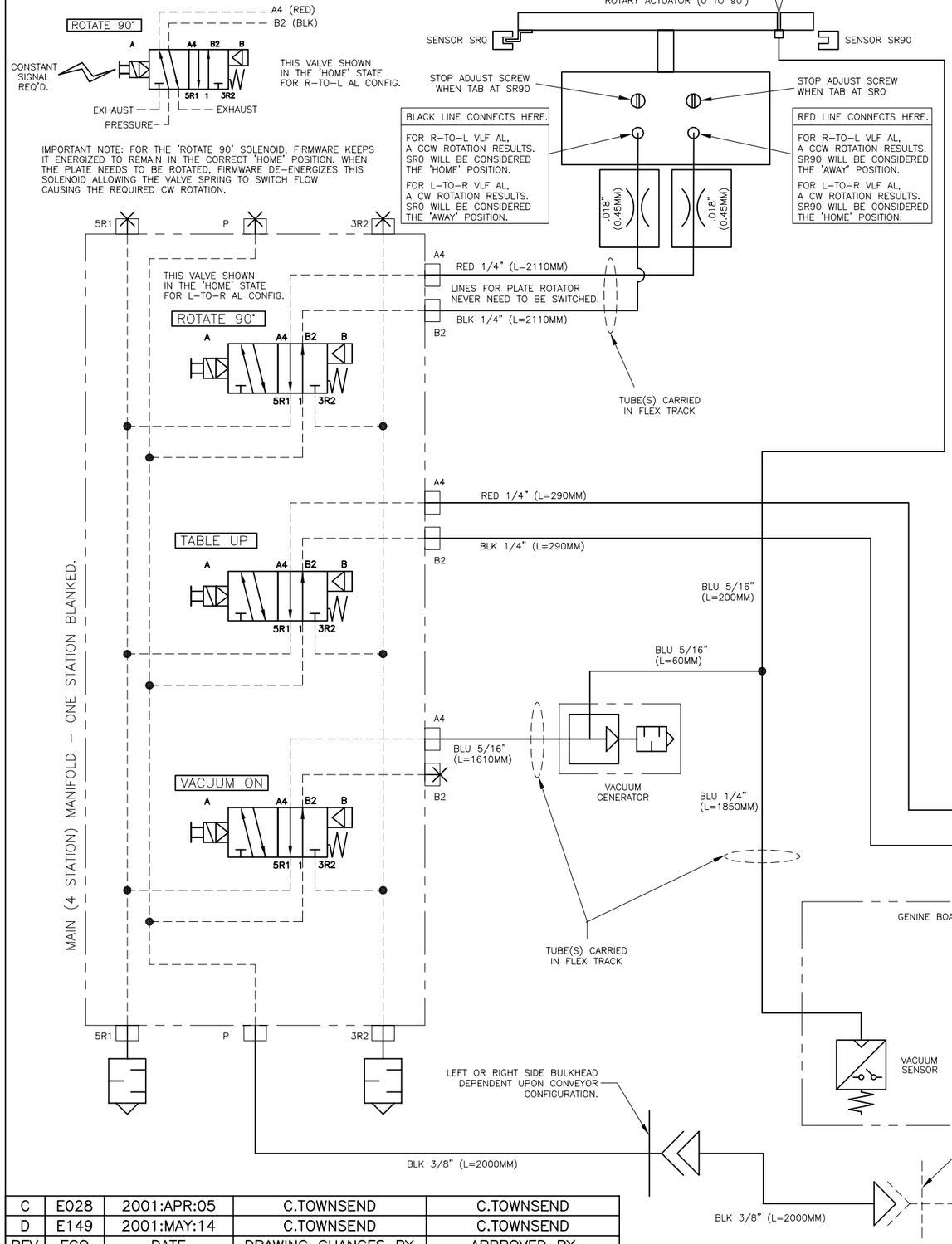


PLATE ROTATION

THE DIRECTION OF THE ROTATOR DEPENDS UPON WHICH CONFIGURATION OF AUTOLOADER IS INSTALLED. FOR A LEFT–TO–RIGHT CONFIGURATION, THE CONVEYOR IS LOCATED ON THE RIGHT SIDE AND THE ROTATOR MUST ROTATE THE PLATE CCW. FOR A RIGHT–TO–LEFT CONFIGURATION, THE CONVEYOR IS LOCATED ON THE LEFT SIDE AND THE ROTATOR MUST ROTATE THE PLATE CW.

THE LINES AT THE MANIFOLD AND ROTATOR SHOULD ALWAYS BE CONNECTED TO PORTS SHOWN.

FIRMWARE AUTOMATICALLY DETERMINES HOME–AWAY POSITIONS AND CONTROLS DIRECTION OF ROTATION. IN EARLY BETA MACHINES FIRMWARE DID NOT PROVIDE THIS FEATURE AND CROSS–CONNECTING AIR AND SENSOR CABLES WAS REQUIRED.

REFER ALSO TO WIRING DIAGRAM 72–3474A.

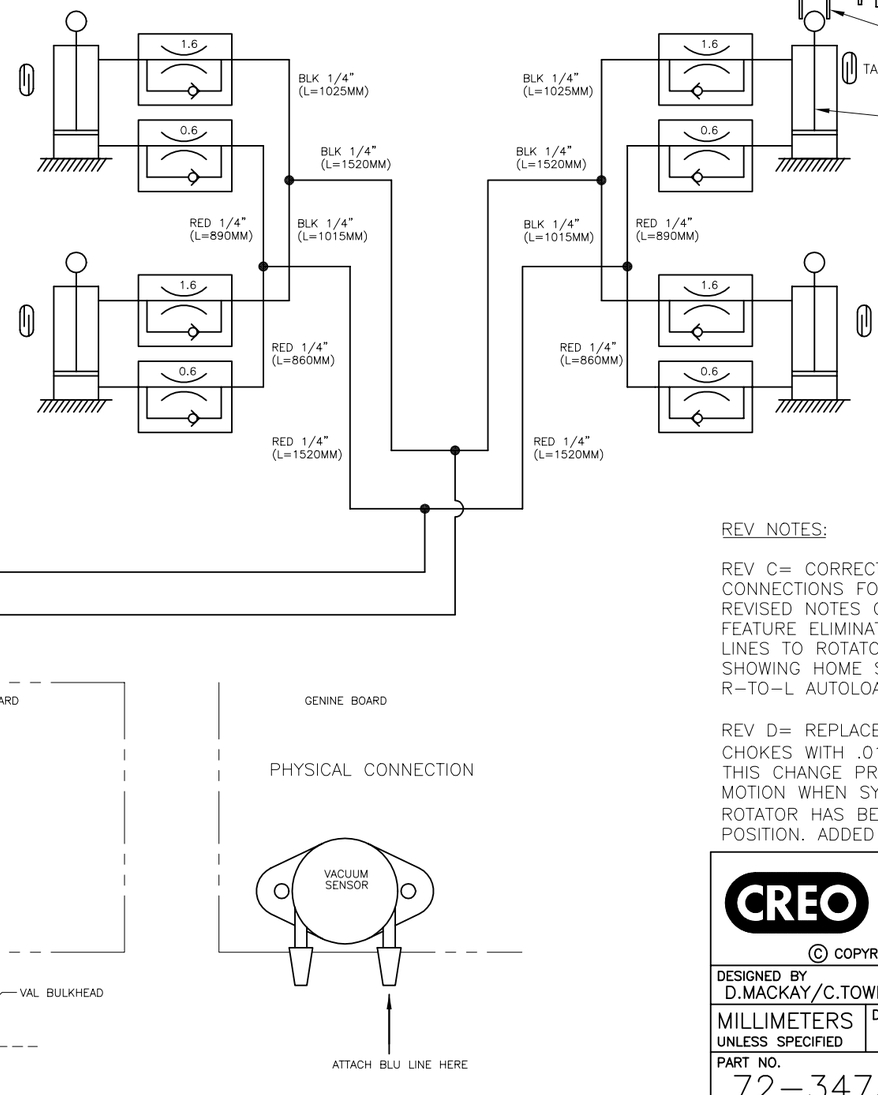


TABLE LIFTING

WHEN PROCESSOR HEIGHT MATCHES RESTING HEIGHT OF THE CONVEYOR, TABLE LIFTING IS NOT REQUIRED. EARLY FIRMWARE DOES NOT FEATURE AN NVS PARAMETER TO TURN LIFT ON OR OFF – CYLINDER ALWAYS EXTENDS. UNTIL FIRMWARE IS UPDATED, THE TABLE CAN BE PREVENTED FROM LIFTING, BY ADJUSTING SCREW CUPS FULLY UPWARD SO EXTENDED ROD–KNOB CANNOT CONTACT CUP.

MANUAL OVERRIDE BUTTON
SOLENOID ACTUATED
AIR PILOT

INDICATES OPTICAL INTERUPTOR SWITCH

INDICATES OPTICAL REFLECTOR SWITCH

INDICATES REED SWITCH

GENINE BOARD

PHYSICAL CONNECTION

REV NOTES:

REV C= CORRECTED AIR LINE LENGTHS AND CONNECTIONS FOR TABLE CYLINDER CIRCUIT. REVISED NOTES CONCERNING FIRMWARE FEATURE ELIMINATING NEED TO CROSS–CONNECT LINES TO ROTATOR. ADDED NOTES AND DIAGRAM SHOWING HOME STATE OF ROTATOR FOR R–TO–L AUTOLOADER.

REV D= REPLACED 0.4 'FREE FLOW RETURN' CHOKES WITH .018" FIXED TYPES AT ROTATOR. THIS CHANGE PREVENTS UNCONTROLLED RAPID MOTION WHEN SYSTEM AIR TURNED ON AND ROTATOR HAS BEEN SITTING IN THE 'AWAY' POSITION. ADDED NOTE ABOUT TABLE LIFTING.

REV	ECO	DATE	DRAWING CHANGES BY	APPROVED BY
C	E028	2001:APR:05	C.TOWNSEND	C.TOWNSEND
D	E149	2001:MAY:14	C.TOWNSEND	C.TOWNSEND

CREO

PNEUMATIC SYSTEM L–CONVEYOR, VAL SYSTEM DIAGRAM

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DESIGNED BY	DRAWN BY		
D.MACKAY/C.TOWNSEND	C.TOWNSEND		
MILLIMETERS UNLESS SPECIFIED	DATE 2000:AUG:22	SIZE B	SCALE N/A

PART NO.	REV	DOC	SHEET	OF
72–3473A–D		SD	1	1