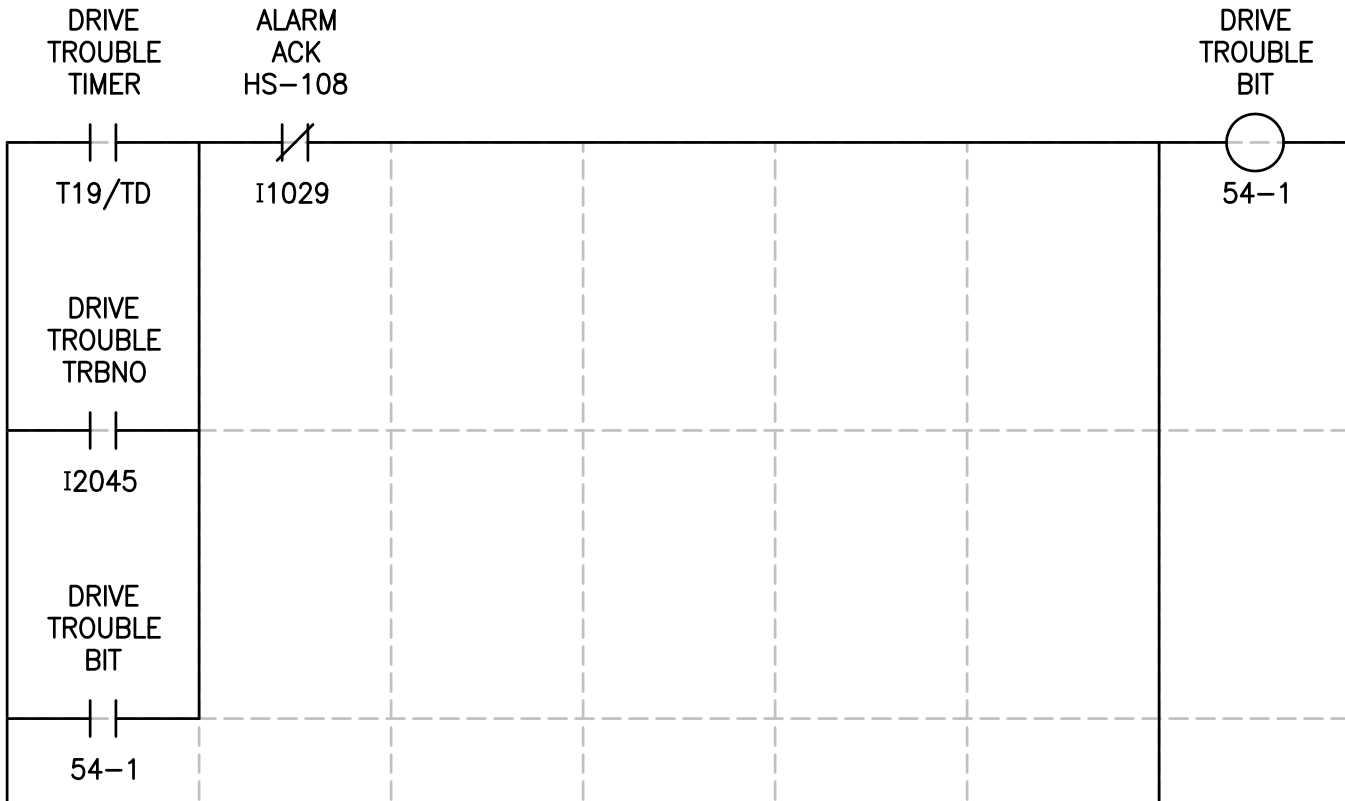


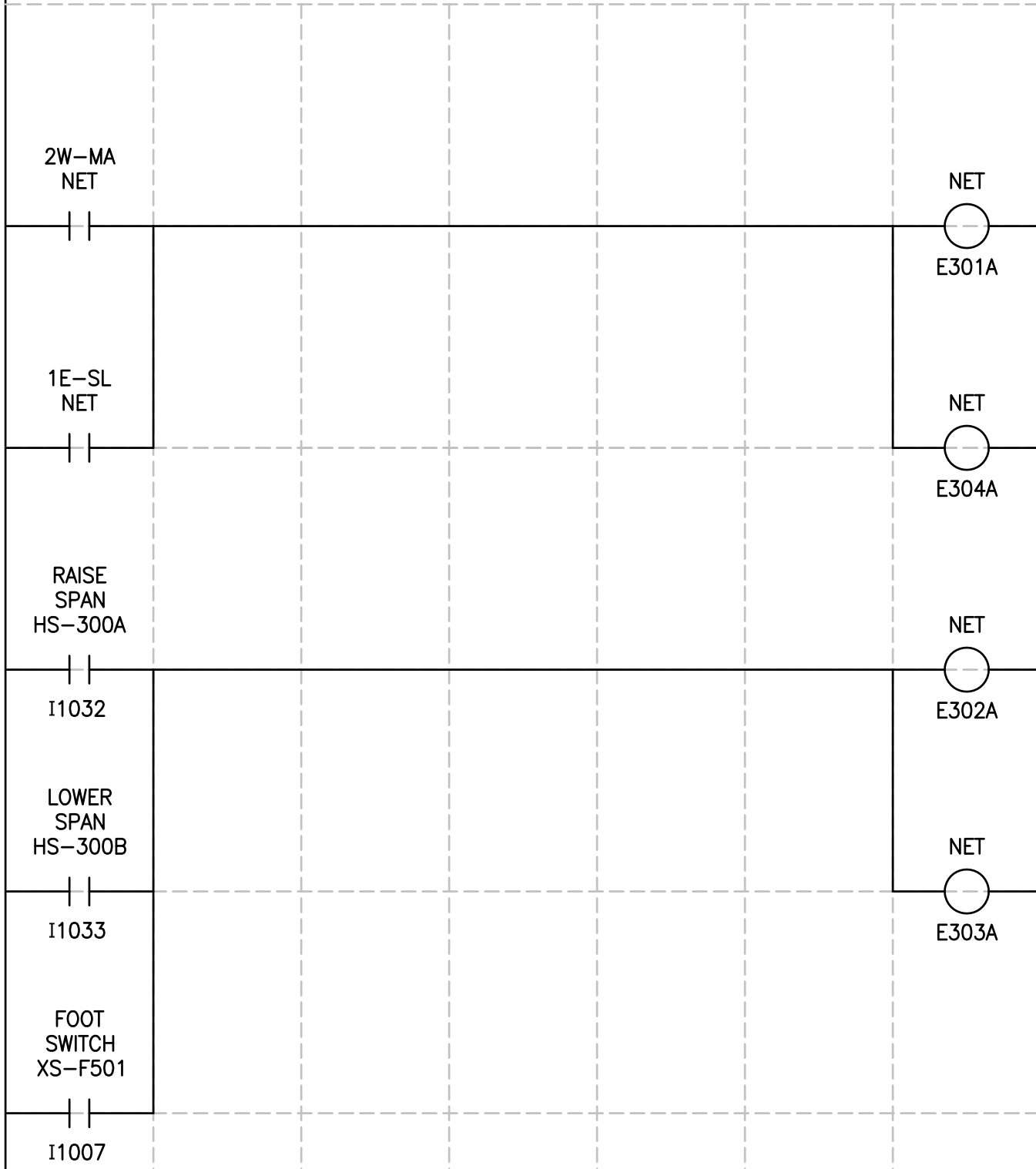
MOTOR DRIVE MONITORING CONT.



ENERGIZE LOGIC COIL IF EITHER
TIMER IS ALLOWED TO TIME OUT
OR THE DRIVE TROUBLE CONTACT
CLOSES.

"MOTOR DRIVE
2W-MA
TROUBLE"

SOUTH BRAKES SHOWN, TYPICAL OR NORTH BRAKES



MOTOR BRAKES ARE RELEASED
BY MOTOR DRIVE RUN COMMAND
AND AFTER TORQUE IS PROVEN.

MOTOR BRAKE S1
RELEASE
DEVICENET IN MCC

MOTOR BRAKE S4
RELEASE
DEVICENET IN MCC

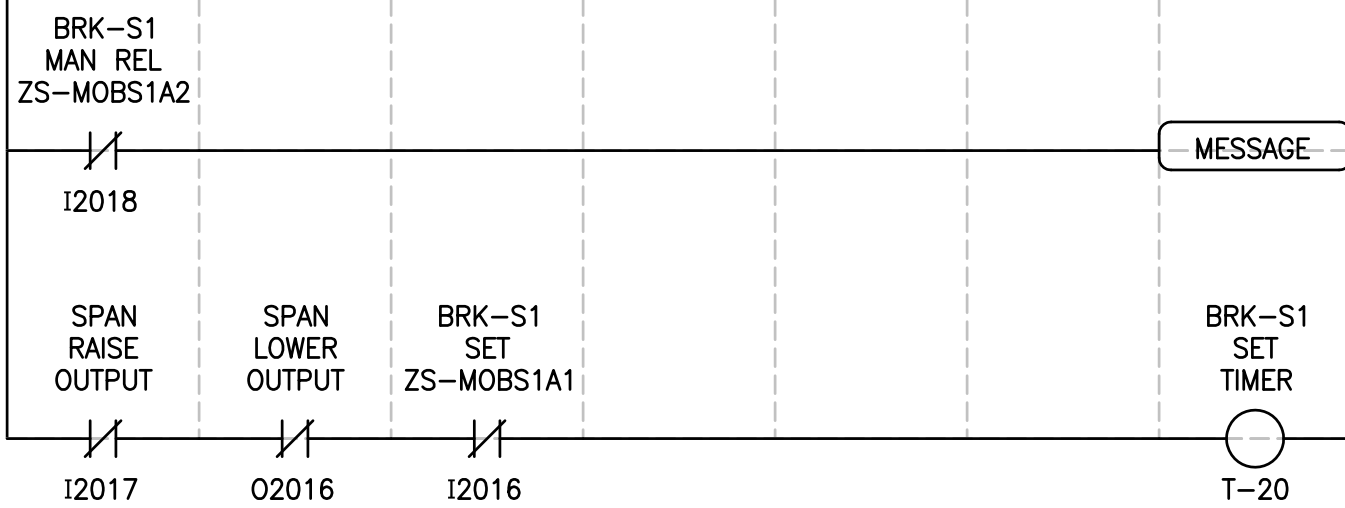
MACHINERY BRAKE ARE
RELEASED BY A SPAN RAISE
OR LOWER INPUT OR
STEPPING ON THE FOOTSWITCH

MACHINERY BRAKE S2
RELEASE
DEVICENET IN MCC

MACHINERY BRAKE S3
RELEASE
DEVICENET IN MCC

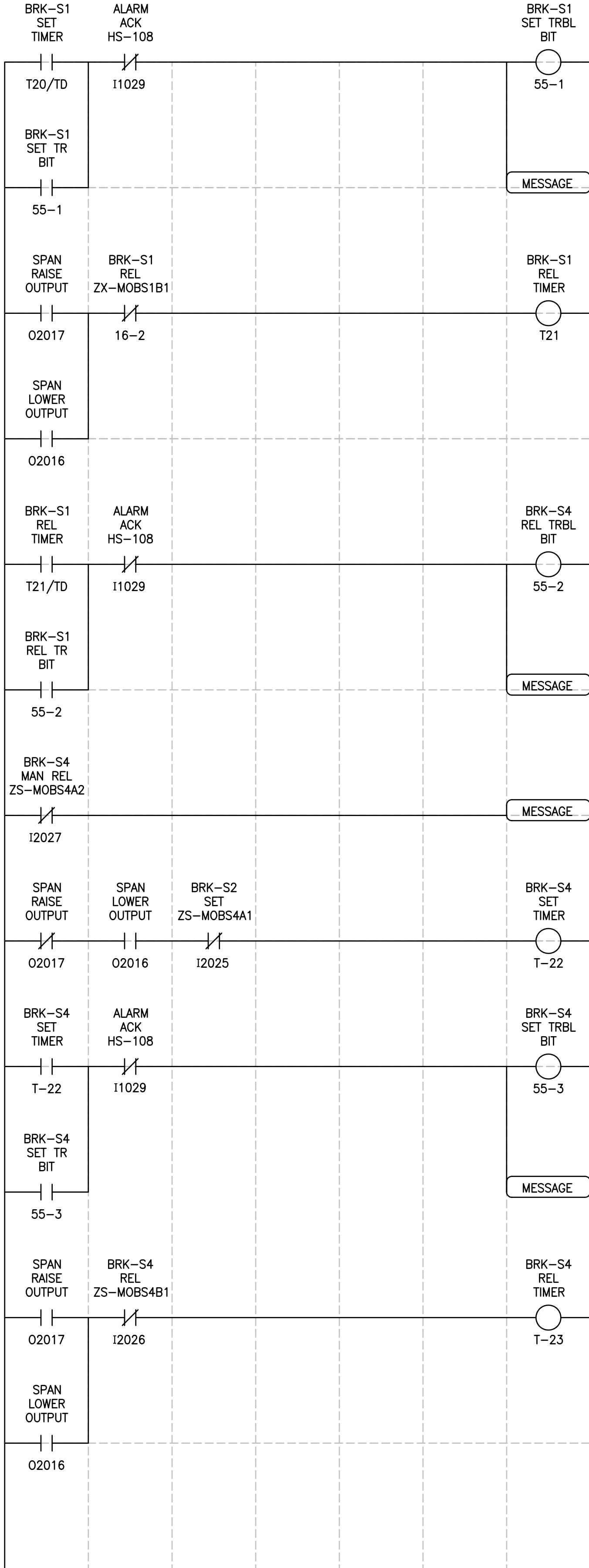
BRAKE MONITORING

SOUTH BRAKES SHOWN, NORTH SIMILAR



MOTOR BRAKE S1
MANUAL RELEASE

BRAKE MONITORING CONT.



"MOTOR BRAKE S1
FAILED TO SET"

COORDINATE TIMEOUT WITH DRIVE
LOGIC TO TRIGGER MESSAGE
BEFORE "DRIVE TROUBLE" FROM
DRIVE

"MOTOR BRAKE S4
FAIL TO RELEASE"

"MOTOR BRAKE S4
MANUAL RELEASE"

"MOTOR BRAKE S4
FAILED TO SET"

NOTE:

- THE LADDER DIAGRAMS ON THE FOLLOWING SHEETS ARE INTENDED TO SHOW TYPICAL INTERLOCK LOGIC AND STYLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DEVELOPMENT OF THE PLC PROGRAMS IN ACCORDANCE WITH THESE PLANS AND WRITTEN DESCRIPTIONS IN THE TECHNICAL SPECIAL PROVISIONS.
- MOTOR CONTROL CENTRE DEVICE NET ADDRESSING

