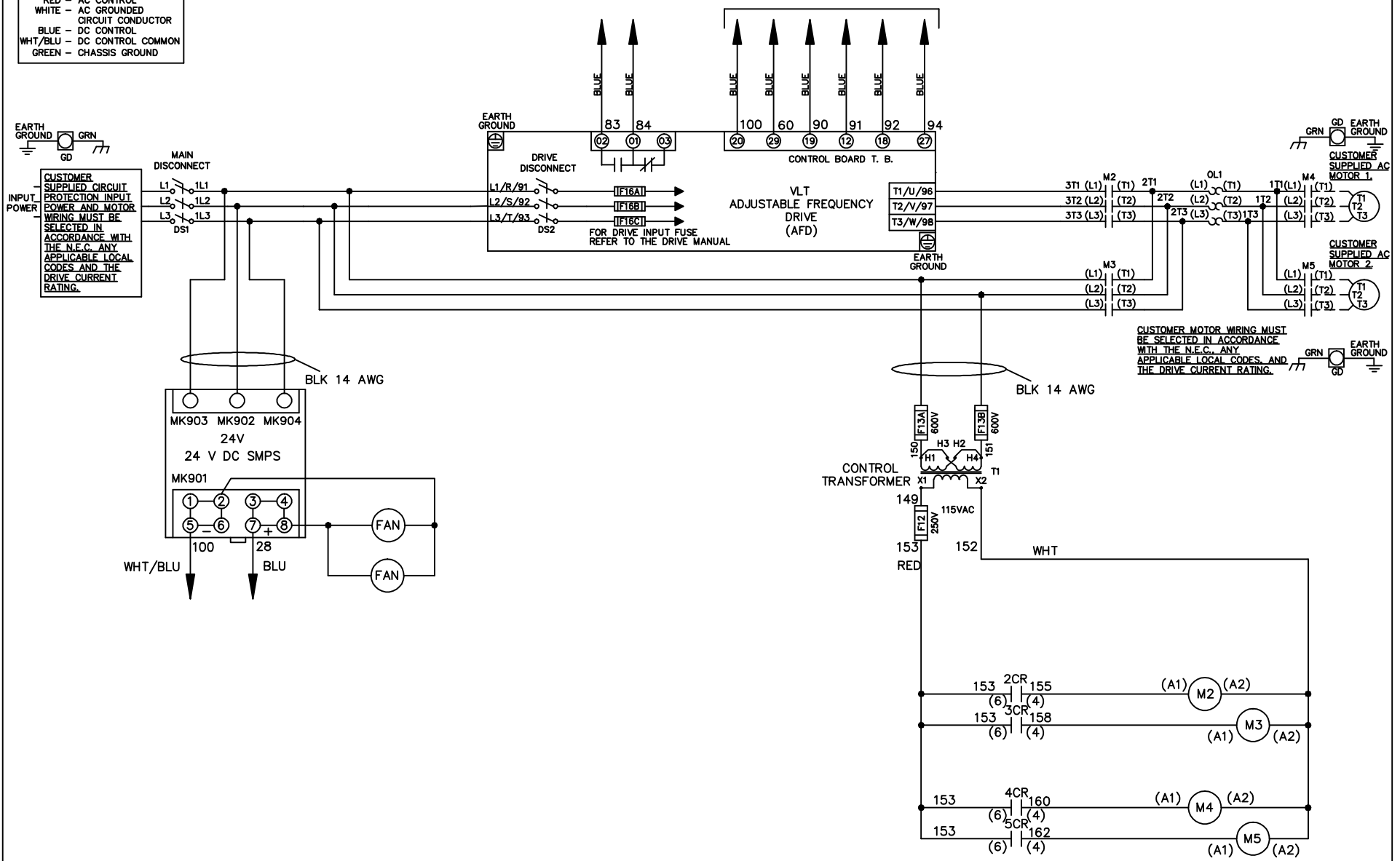


WIRE COLOR SCHEME
 BLACK - LINE VOLTAGE
 RED - AC CONTROL
 WHITE - AC GROUND
 BLUE - DC CONTROL
 WHT/BLU - DC CONTROL COMMON
 GREEN - CHASSIS GROUND

* ALL CONTROL WIRES ARE BLUE EXCEPT WHERE NOTED. TO ELECTROMECHANICAL RELAY BOARD



CUSTOMER MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C. ANY APPLICABLE LOCAL CODES, AND THE DRIVE CURRENT RATING.

-NOTICE-

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DRN JNW
2/8/07

NAME 230 VOLT, 2C, MAIN & DRIVE DISC
 , DRIVE FUSE, EMB2, FRAME C2N12
 , NO REACTOR & DVDT, CMS

THE TRANE COMPANY
 A DIVISION OF
 AMERICAN STANDARD INC.

| | | |
|-----|---------|-------|
| A | SP08061 | 10/08 |
| REV | ECN | DATE |

APR

MODEL

PAGE 1 OF 2

SIZE A

DWG NO.

174U6678

| | | | | | | | | | |
|---|---------|------|-------|--|-----|-------|--|--------|----------|
| REV | A | ECON | DATE | DRN JNW | APR | MODEL | PAGE 2 OF 2 | SIZE A | DWG NO. |
| | SP08066 | | 10/08 | 2/14/07 | | | | | 174U6678 |
| THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY | | | | NAME 230 VOLT, 2C MAIN & DRIVE DISC, DRIVE FUSE, EMB2, FRAME C2N12, NO REACTOR & DVD1, CMS | | | THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC. | | |

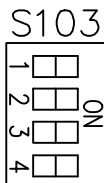
CONTACT SEQUENCE CHART FOR S1
X INDICATES CONTACT CLOSED

| CONTACT | POSITION | DRIVE | OFF | BYPASS |
|---------|----------|-------|-----|--------|
| 13-14 | | | | X |
| 23-24 | | X | | |



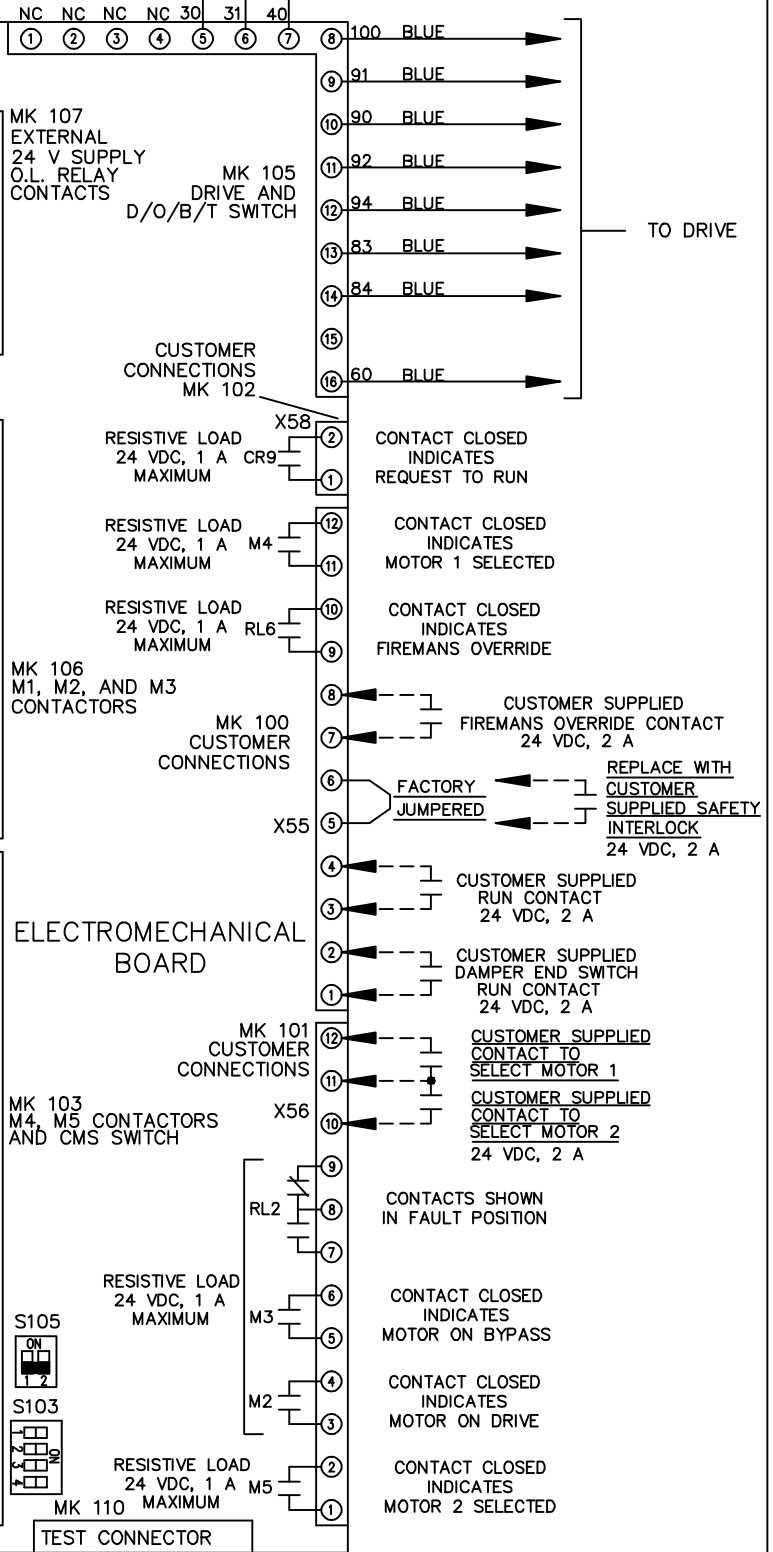
CONTACT SEQUENCE CHART FOR S2
X INDICATES CONTACT CLOSED

| CONTACT | POSITION | MOTOR 1 | AUTO | MOTOR 2 |
|---------|----------|---------|------|---------|
| 11-12 | | X | X | |
| 13-14 | | | | X |
| 21-22 | | | X | |
| 23-24 | | X | | |



ONLY # 1 ON 30 SECONDS
ONLY # 2 ON 60 SEC.
ONLY # 3 ON 300 SEC
ALL ON 15 SEC.
ALL OFF NO AUTO BYPASS (FACTORY DEFAULT)

CUSTOMER CONNECTIONS X55, X56, X58
CLASS 2 POWER SOURCE
REQUIRED FOR FIELD CONNECTION
USE CLASS 1 CONDUCTORS
CONDUCTOR SIZE 28-14 AWG



ELECTROMECHANICAL BOARD

TEST CONNECTOR

- 100 BLUE
- 91 BLUE
- 90 BLUE
- 92 BLUE
- 94 BLUE
- 83 BLUE
- 84 BLUE
- 60 BLUE
- CONTACT CLOSED INDICATES REQUEST TO RUN
- CONTACT CLOSED INDICATES MOTOR 1 SELECTED
- CONTACT CLOSED INDICATES FIREMANS OVERRIDE
- CUSTOMER SUPPLIED FIREMANS OVERRIDE CONTACT 24 VDC, 2 A
- REPLACE WITH CUSTOMER SUPPLIED SAFETY INTERLOCK 24 VDC, 2 A
- CUSTOMER SUPPLIED RUN CONTACT 24 VDC, 2 A
- CUSTOMER SUPPLIED DAMPER END SWITCH RUN CONTACT 24 VDC, 2 A
- CUSTOMER SUPPLIED CONTACT TO SELECT MOTOR 1
- CUSTOMER SUPPLIED CONTACT TO SELECT MOTOR 2 24 VDC, 2 A
- CONTACTS SHOWN IN FAULT POSITION
- CONTACT CLOSED INDICATES MOTOR ON BYPASS
- CONTACT CLOSED INDICATES MOTOR ON DRIVE
- CONTACT CLOSED INDICATES MOTOR 2 SELECTED

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DRN JNW
2/14/07

APR

NAME 230 VOLT, 2C MAIN & DRIVE DISC, DRIVE FUSE, EMB2, FRAME C2N12, NO REACTOR & DVD1, CMS

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SIZE A

DWG NO. 174U6678

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