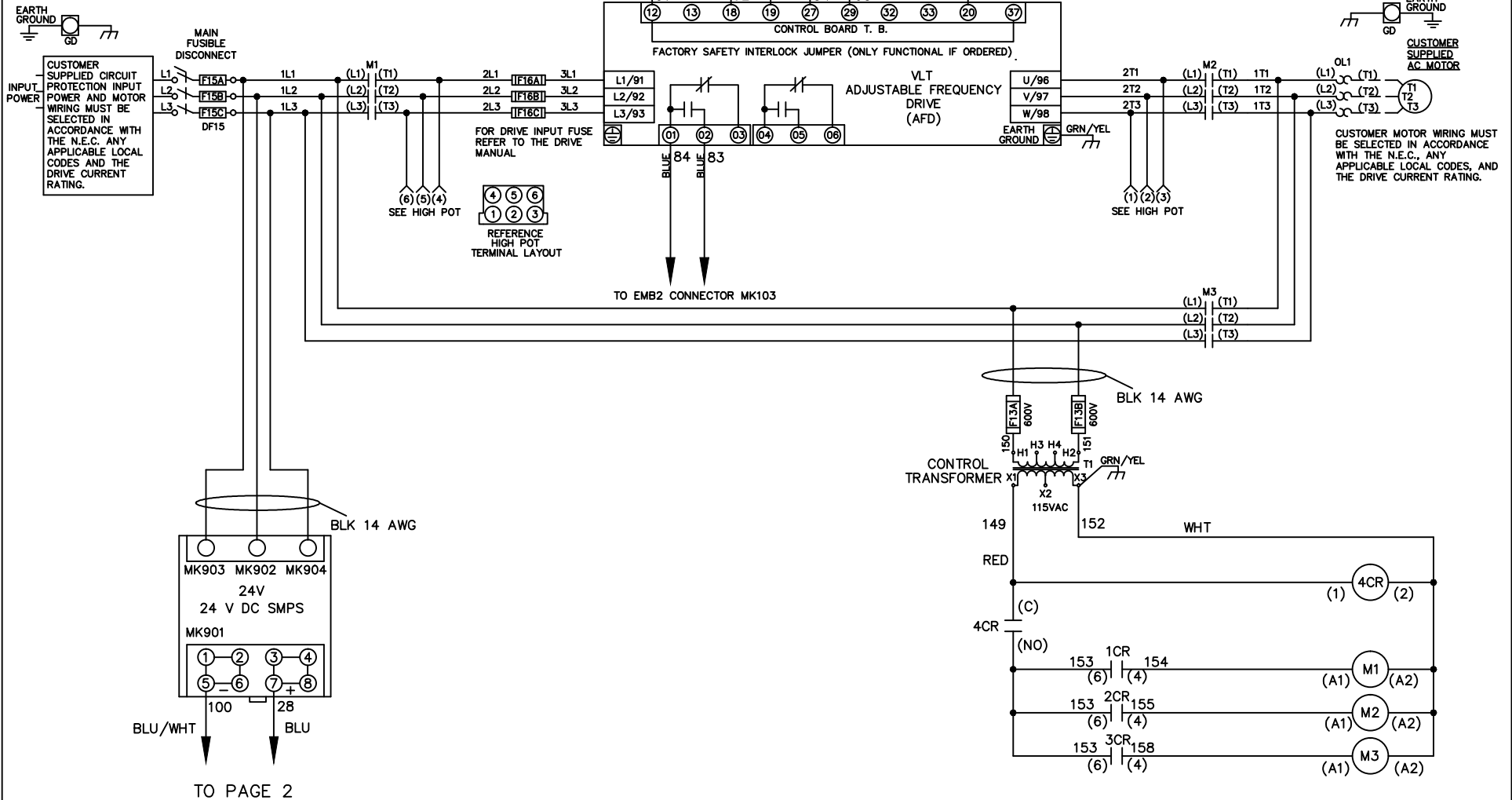


**WIRE COLOR SCHEME**  
 BLACK - LINE VOLTAGE  
 RED - AC CONTROL  
 WHITE - AC GROUNDED  
 CIRCUIT CONDUCTOR  
 BLUE - DC CONTROL  
 WHT/BLU - DC CONTROL COMMON  
 GREEN - CHASSIS GROUND



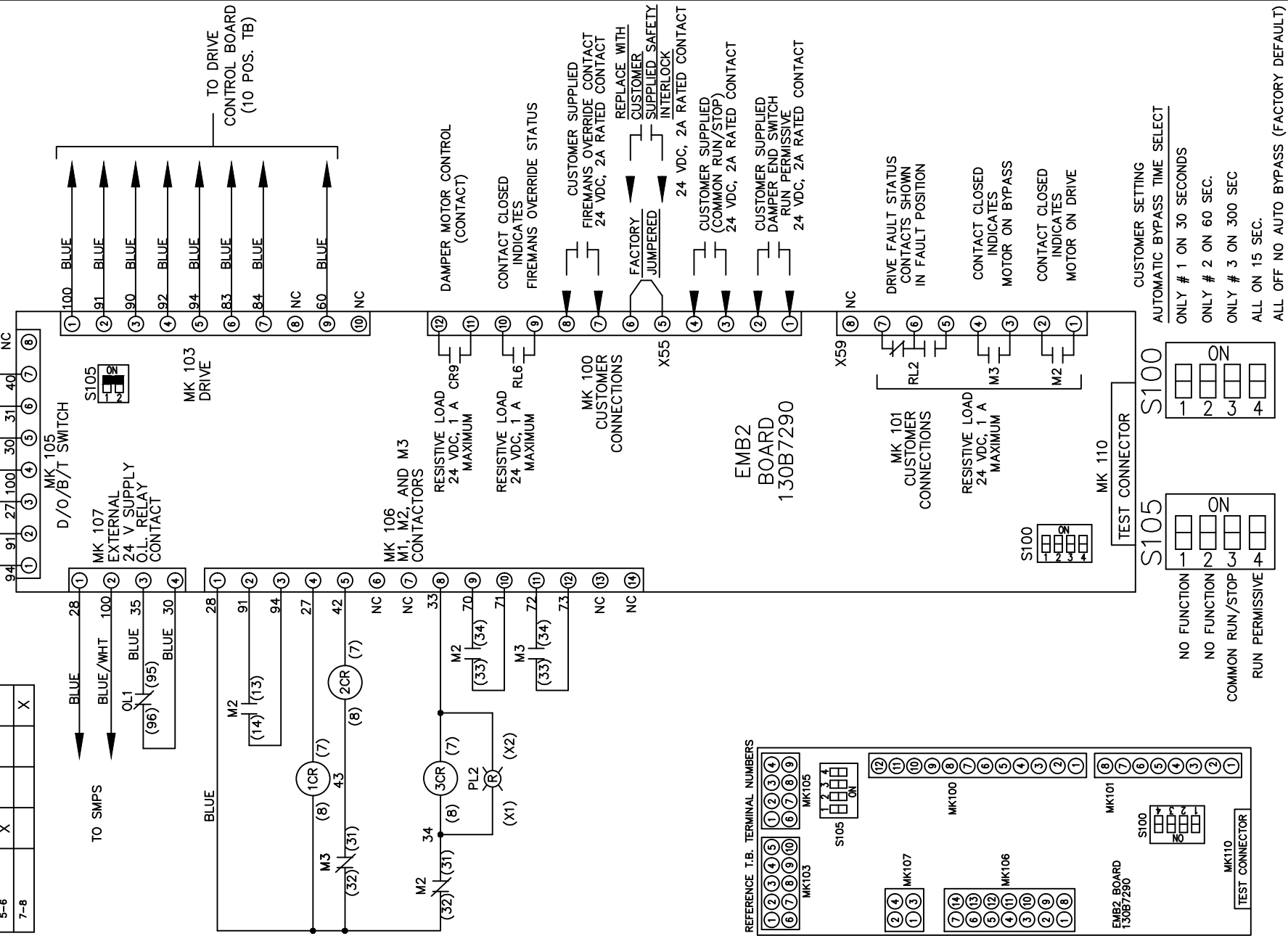
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			-NOTICE-		DRN JNW		NAMEDWG,P5,		THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC.	
			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY		3/2/11		EMB2,FD, 208V			
001					APR	MODEL	PAGE 1 OF 2	SIZE A	DWG NO.	177R0312
REV	ECN	DATE								

CONTACT SEQUENCE CHART FOR S1  
X INDICATES CONTACT CLOSED

POSITION	DRIVE	OFF	BYPASS	TEST
CONTACT				
1-2	X			X
3-4			X	X
5-6	X			
7-8				X

CUSTOMER CONNECTIONS X55, X59  
CLASS 2 POWER SOURCE  
REQUIRED FOR FIELD CONNECTION  
USE CLASS 1 CONDUCTORS  
CONDUCTOR SIZE 28-14 AWG



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DRN JNW  
3/2/11  
APR

NAMEDWG,P5,  
EMB2,FD,  
208V

THE TRANE COMPANY  
A DIVISION OF  
AMERICAN STANDARD INC.

001		
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MODEL PAGE 2 OF 2 SIZE A DWG No. 177R0312

CUSTOMER SETTING  
AUTOMATIC BYPASS TIME SELECT  
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)

NO FUNCTION  
NO FUNCTION  
COMMON RUN/STOP  
RUN PERMISSIVE

DRIVE FAULT STATUS CONTACTS SHOWN IN FAULT POSITION  
CONTACT CLOSED INDICATES MOTOR ON BYPASS  
CONTACT CLOSED INDICATES MOTOR ON DRIVE

DAMPER MOTOR CONTROL (CONTACT)  
CONTACT CLOSED INDICATES FIREMANS OVERRIDE STATUS  
CUSTOMER SUPPLIED FIREMANS OVERRIDE CONTACT 24 VDC, 2A RATED CONTACT  
REPLACE WITH CUSTOMER SUPPLIED SAFETY INTERLOCK  
24 VDC, 2A RATED CONTACT  
CUSTOMER SUPPLIED DAMPER END SWITCH (COMMON RUN/STOP) 24 VDC, 2A RATED CONTACT  
CUSTOMER SUPPLIED DAMPER END SWITCH RUN PERMISSIVE 24 VDC, 2A RATED CONTACT

DAMPER MOTOR CONTROL (CONTACT)

TO DRIVE CONTROL BOARD (10 POS. TB)

MK 105 D/O/B/T SWITCH

MK 107 EXTERNAL 24 V SUPPLY O.L. RELAY CONTACT

MK 103 DRIVE

MK 106 M1, M2, AND M3 CONTACTORS

MK 100 CUSTOMER CONNECTIONS

EMB2 BOARD 130B7290

MK 101 CUSTOMER CONNECTIONS

MK 110 TEST CONNECTOR

S100

S105

S100

MK110 TEST CONNECTOR

EMB2 BOARD 130B7290

MK107

MK106

MK100

MK103

S105

REFERENCE T.B. TERMINAL NUMBERS

TO SMPS

TO SMPS

MK 105 D/O/B/T SWITCH

MK 107 EXTERNAL 24 V SUPPLY O.L. RELAY CONTACT

MK 103 DRIVE

MK 106 M1, M2, AND M3 CONTACTORS

MK 100 CUSTOMER CONNECTIONS

EMB2 BOARD 130B7290

MK 101 CUSTOMER CONNECTIONS

MK 110 TEST CONNECTOR

S100

S105

S100

MK110 TEST CONNECTOR

EMB2 BOARD 130B7290

MK107

MK106

MK100

MK103

S105

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TO SMPS

TO SMPS

MK 105 D/O/B/T SWITCH

MK 107 EXTERNAL 24 V SUPPLY O.L. RELAY CONTACT

MK 103 DRIVE

MK 106 M1, M2, AND M3 CONTACTORS

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EMB2 BOARD 130B7290

MK 101 CUSTOMER CONNECTIONS

MK 110 TEST CONNECTOR

S100

S105

S100

MK110 TEST CONNECTOR

EMB2 BOARD 130B7290

MK107

MK106

MK100

MK103

S105

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TO SMPS

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MK 107 EXTERNAL 24 V SUPPLY O.L. RELAY CONTACT

MK 103 DRIVE

MK 106 M1, M2, AND M3 CONTACTORS

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EMB2 BOARD 130B7290

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S100

S105

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MK100

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