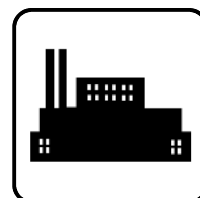


Wiring Diagrams

Automatic Transfer Switches



Models:

**KBP, KBT, KCP, KCT,
KDP, KDT, KMP, KMT**

Power Switching Device:
Standard, Bypass/Isolation, and Series-Rated
30–4000 Amperes

Electrical Controls:
MPAC 1000™

KOHLER®

POWER SYSTEMS

9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

TP-6169 9/04c

Product Identification Information

Product identification numbers determine service parts. Record the product identification numbers in the spaces below immediately after unpacking the products so that the numbers are readily available for future reference. Record field-installed kit numbers after installing the kits.

Transfer Switch Identification Numbers

Record the product identification numbers from the transfer switch nameplate.

Model Designation _____

Serial Number _____

[illegible][illegible]

This manual provides wiring diagrams for the 30–4000 amp Model KBP, KBT, KCP, KCT, KDP, KDT, KMP, and KMT automatic transfer switches.

Information in this publication represents data available at the time of print. The manufacturer of Kohler Co. products reserves the right to change this publication and the products represented without notice and without any obligation or liability whatsoever.

xin:001:002

Service Assistance

For professional advice on generator power requirements and conscientious service, please contact your nearest Kohler distributor or dealer.

- Consult the Yellow Pages under the heading Generators—Electric
- Visit the Kohler Power Systems website at KohlerPowerSystems.com
- Look at the labels and stickers on your Kohler product or review the appropriate literature or documents included with the product
- Call toll free in the US and Canada 1-800-544-2444
- Outside the US and Canada, call the nearest regional office

Headquarters Europe, Middle East, Africa (EMEA)

Kohler Power Systems
ZI Senia 122
12, rue des Hauts Flouviars
94517 Thiais Cedex
France
Phone: (33) 1 41 735500
Fax: (33) 1 41 735501

Asia Pacific

Power Systems Asia Pacific Regional Office
Singapore, Republic of Singapore
Phone: (65) 6264-6422
Fax: (65) 6264-6455

China

North China Regional Office, Beijing
Phone: (86) 10 6518 7950
(86) 10 6518 7951
(86) 10 6518 7952
Fax: (86) 10 6518 7955

East China Regional Office, Shanghai
Phone: (86) 21 6288 0500
Fax: (86) 21 6288 0550

India, Bangladesh, Sri Lanka

India Regional Office
Bangalore, India
Phone: (91) 80 3366208
(91) 80 3366231
Fax: (91) 80 3315972

Japan, Korea

North Asia Regional Office
Tokyo, Japan
Phone: (813) 3440-4515
Fax: (813) 3440-2727

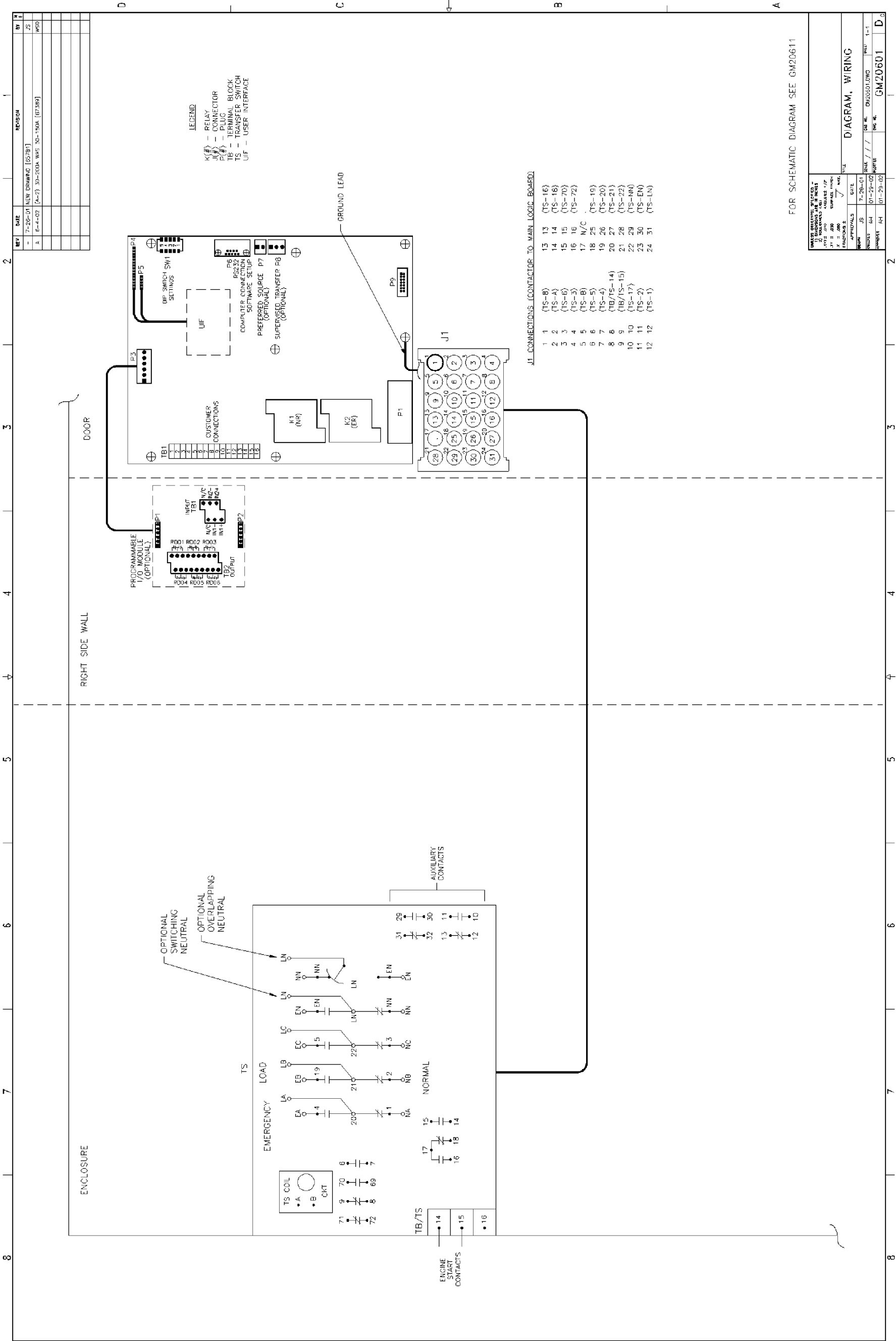
Latin America

Latin America Regional Office
Lakeland, Florida, USA
Phone: (863) 619-7568
Fax: (863) 701-7131

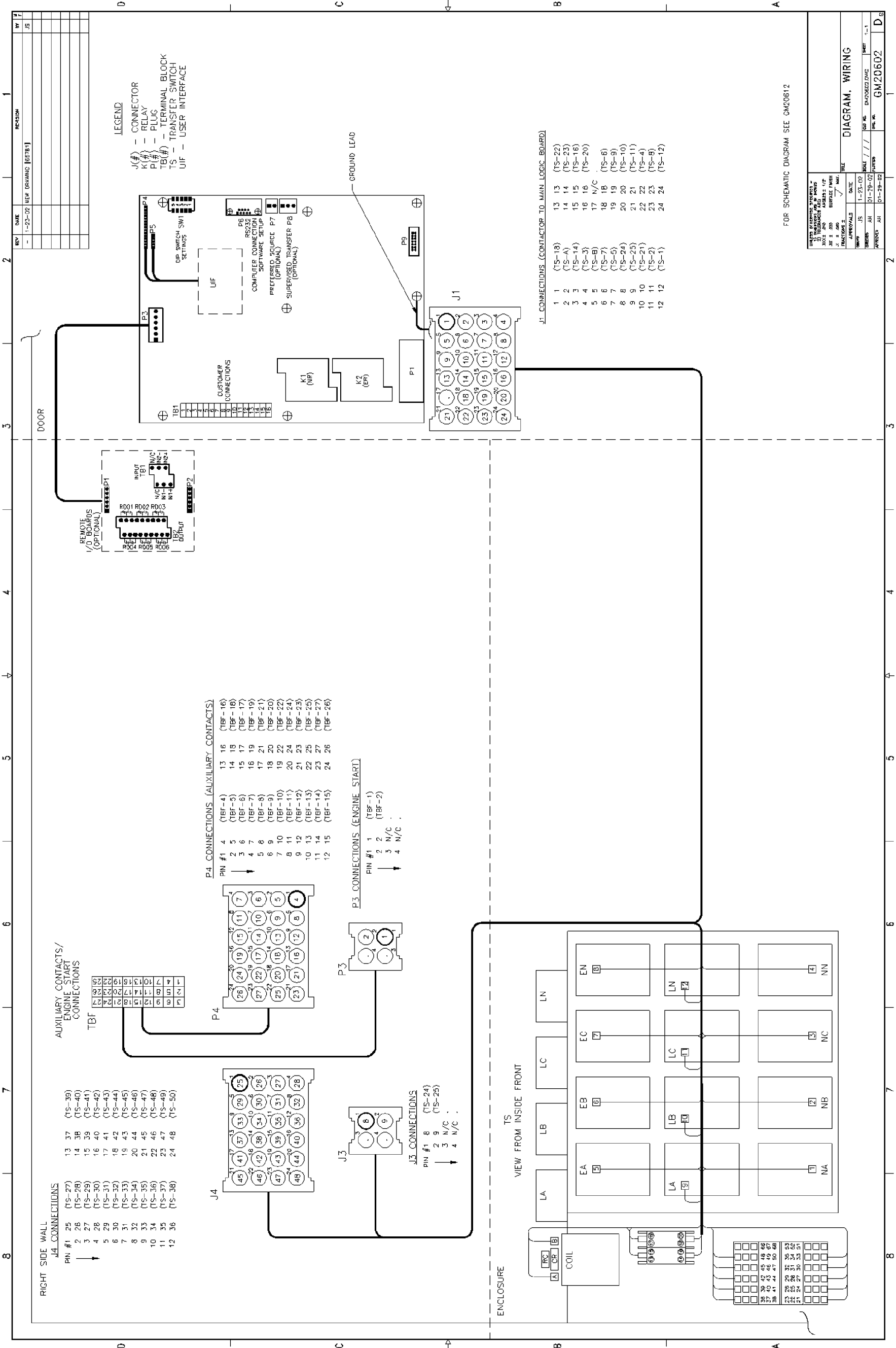
Schematics and Wiring Diagrams

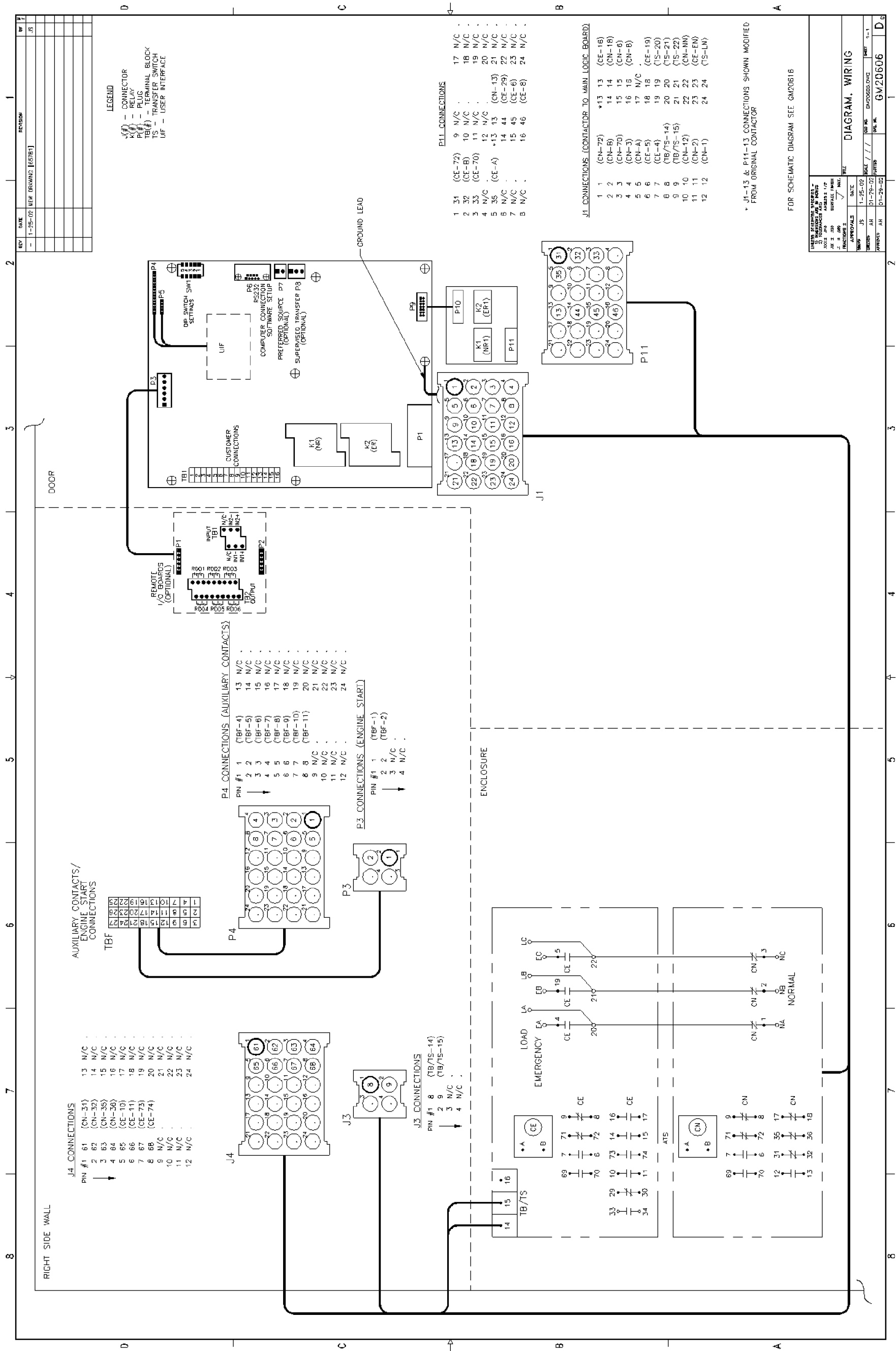
Schematics	Model	Part Number	Page
Standard, Open Transition, 30–400A	KCT	GM20611	9
Standard, Open Transition, 600–1200A	KCT	GM20612	10
Standard, Open Transition, 1600–3000A	KCT	GM20613	11
Standard, Open Transition, 4000A	KCT	GM20611	9
Standard, Programmed Transition, 150–400A, 2 and 3 Pole	KCP	GM20616-A	13
Standard, Programmed Transition, 150–400A, 4 Pole	KCP	GM20617-A	14
Standard, Programmed Transition, 600–1200A	KCP	GM20617-A	14
Standard, Programmed Transition, 1600–3000A	KCP	GM20619	15
Standard, Programmed Transition, 4000A	KCP	GM20616-A	13
Standard, Open Transition, 40–225A	KDT	GM29040-B	37
Standard, Open Transition, 260–600A	KDT	GM29039-B	36
Standard, Programmed Transition, 100–600A, 208–240V	KDP	GM29313-B	40
Standard, Programmed Transition, 100–600A, 380–480V	KDP	GM32468	41
Bypass/Isolation, Open Transition, 150–400A	KBT	GM20621	16
Bypass/Isolation, Open Transition, 600–800A	KBT	GM20622-A	17
Bypass/Isolation, Open Transition, 1000–3000A			
Page 1	KBT	GM20623A	18
Page 2	KBT	GM20623B	19
Bypass/Isolation, Open Transition, 4000A	KBT	GM20624-A	20
Bypass/Isolation, Programmed Transition, 150–400A, 2 and 3 Pole			
Page 1	KBP	GM20625A	21
Page 2	KBP	GM20625B	22
Bypass/Isolation, Programmed Transition, 150–400A, 4 Pole			
Page 1	KBP	GM20626A	23
Page 2	KBP	GM20626B	24
Bypass/Isolation, Programmed Transition, 600–800A			
Page 1	KBP	GM20626A	23
Page 2	KBP	GM20626B	24
Bypass/Isolation, Programmed Transition, 1000–3000A			
Page 1	KBP	GM20627A	25
Page 2	KBP	GM20627B	26
Bypass/Isolation, Programmed Transition, 4000A	KBP	Contact Factory	—

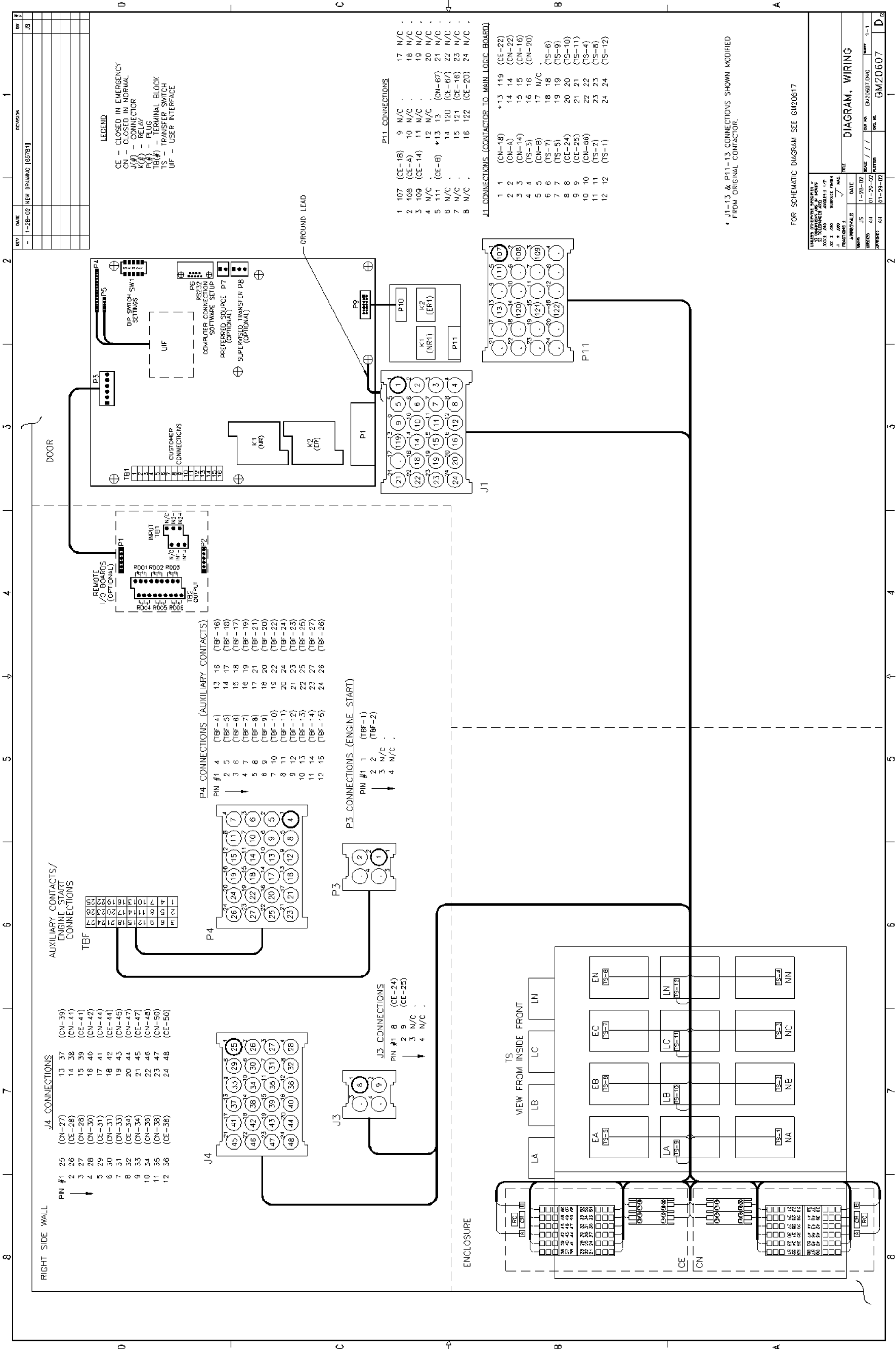
Wiring Diagrams	Model	Part Number	Page
Standard, Open Transition, 30–150A	KCT	GM20601-A	1
Standard, Open Transition, 225–400A	KCT	GM20615	12
Standard, Open Transition, 600–1200A	KCT	GM20602	2
Standard, Open Transition, 1600–3000A	KCT	GM20604	3
Standard, Open Transition, 4000A	KCT	GM20605	4
Standard, Programmed Transition, 150–400A, 2 and 3 Pole	KCP	GM20606	5
Standard, Programmed Transition, 150–400A, 4 Pole	KCP	GM20607	6
Standard, Programmed Transition, 600–1200A	KCP	GM20607	6
Standard, Programmed Transition, 1600–3000A	KCP	GM20609	7
Standard, Programmed Transition, 4000A	KCP	GM20610	8
Standard, Open Transition, 40–225A	KDT	GM29037-B	34
Standard, Open Transition, 260–600A	KDT	GM29038-B	35
Standard, Programmed Transition, 100–400A, 208–240V	KDP	GM29307-C	38
Standard, Programmed Transition, 100–400A, 380–480V	KDP	GM32469-A	42
Standard, Programmed Transition, 600A, 208–240V	KDP	GM29308-B	39
Standard, Programmed Transition, 600A, 380–480V	KDP	GM32470-A	43
Bypass/Isolation, Open Transition, 150–400A	KBT	GM20629	27
Bypass/Isolation, Open Transition, 600–800A	KBT	GM20630	28
Bypass/Isolation, Open Transition, 1000–3000A	KBT	GM20631	29
Bypass/Isolation, Open Transition, 4000A	KBT	GM20632	30
Bypass/Isolation, Programmed Transition, 150–400A, 2 and 3 Pole	KBP	GM20633	31
Bypass/Isolation, Programmed Transition, 150–400A, 4 Pole	KBP	GM20634	32
Bypass/Isolation, Programmed Transition, 600–800A	KBP	GM20634	32
Bypass/Isolation, Programmed Transition, 1000–3000A	KBP	GM20635	33
Bypass/Isolation, Programmed Transition, 4000A	KBP	Contact Factory	—

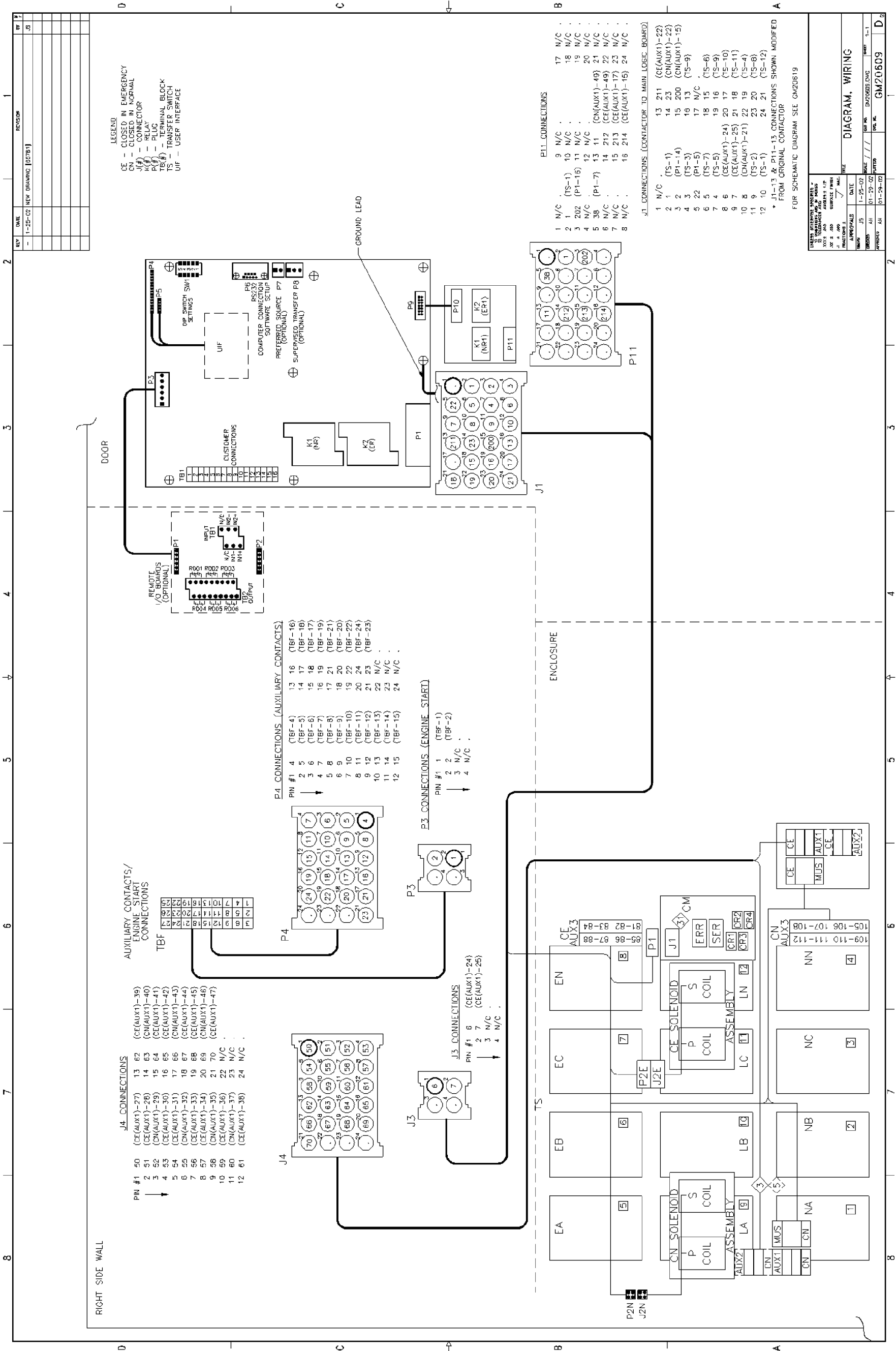


KCT Wiring Diagram, Standard, Open Transition, 30-150A, GM20601-A

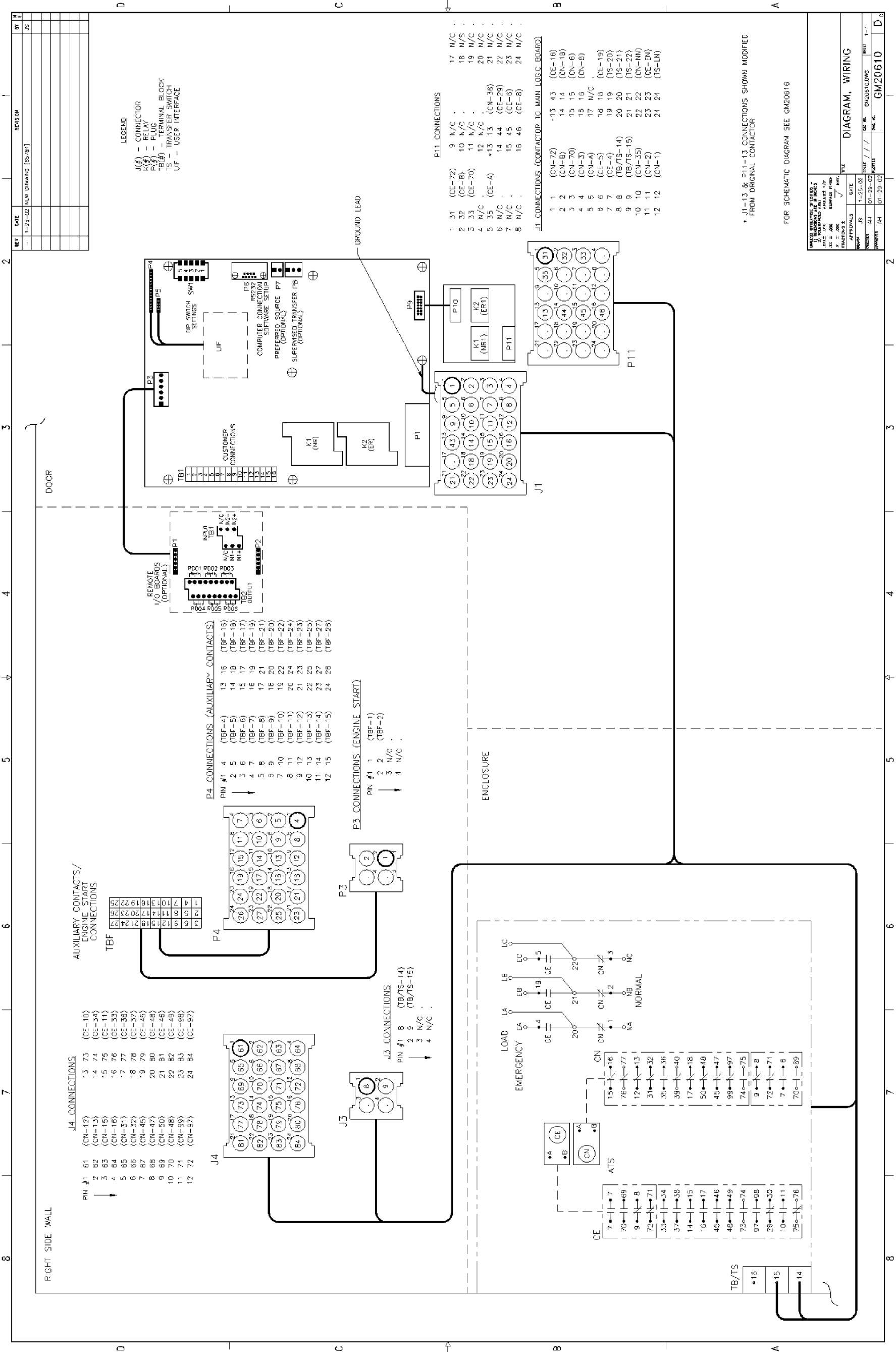


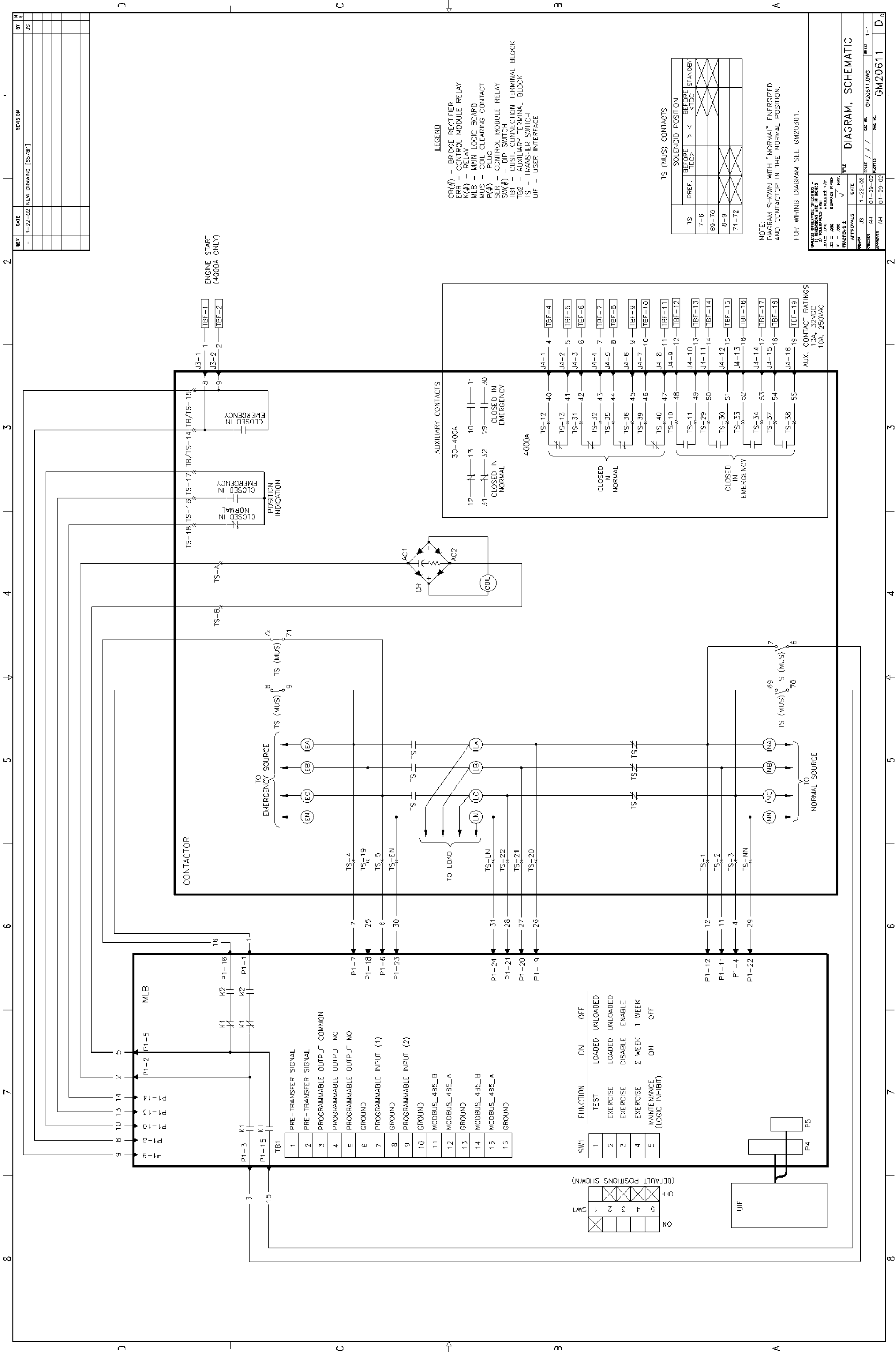




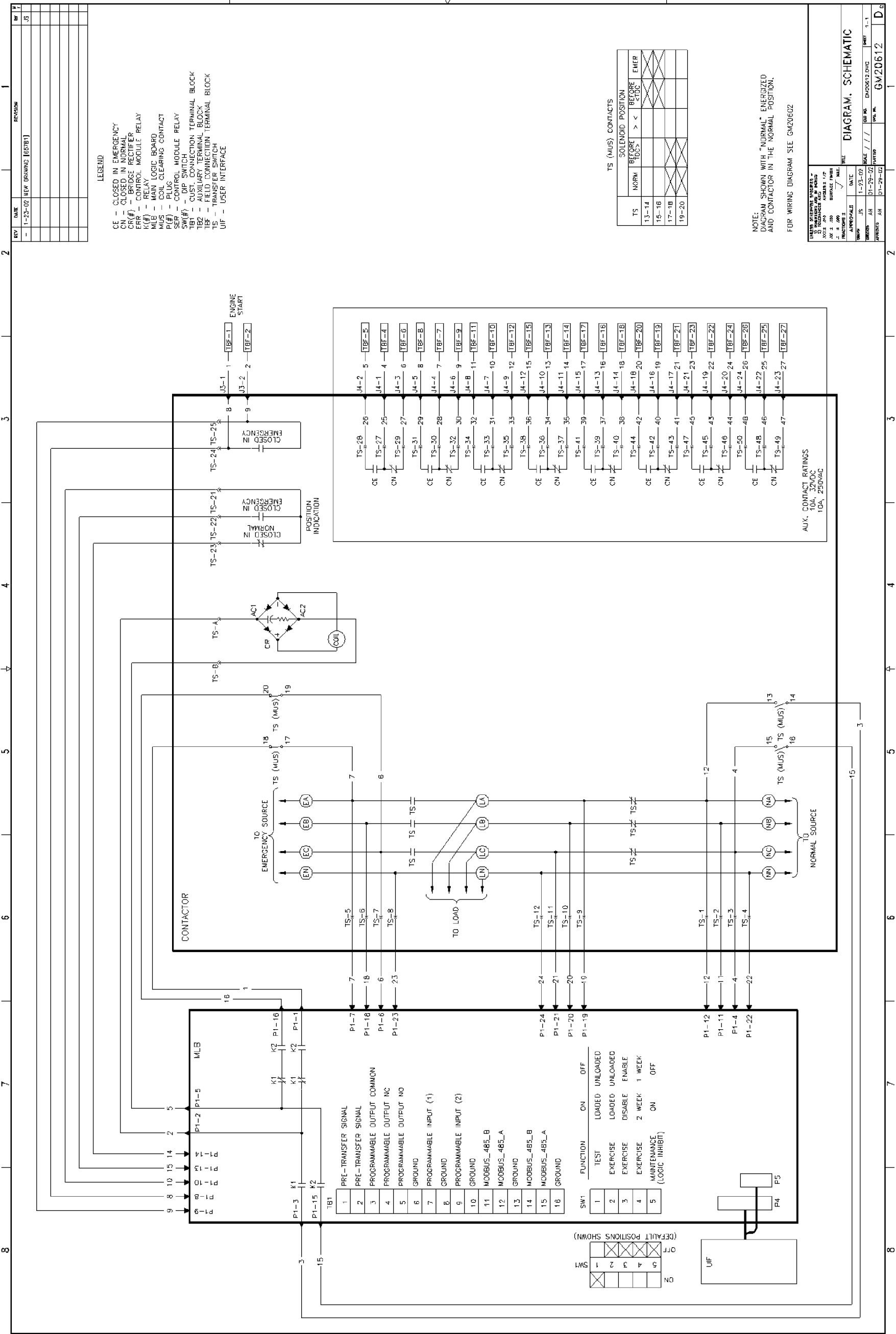


KCP Wiring Diagram, Standard, Programmed Transition, 1600-3000A, GM20609

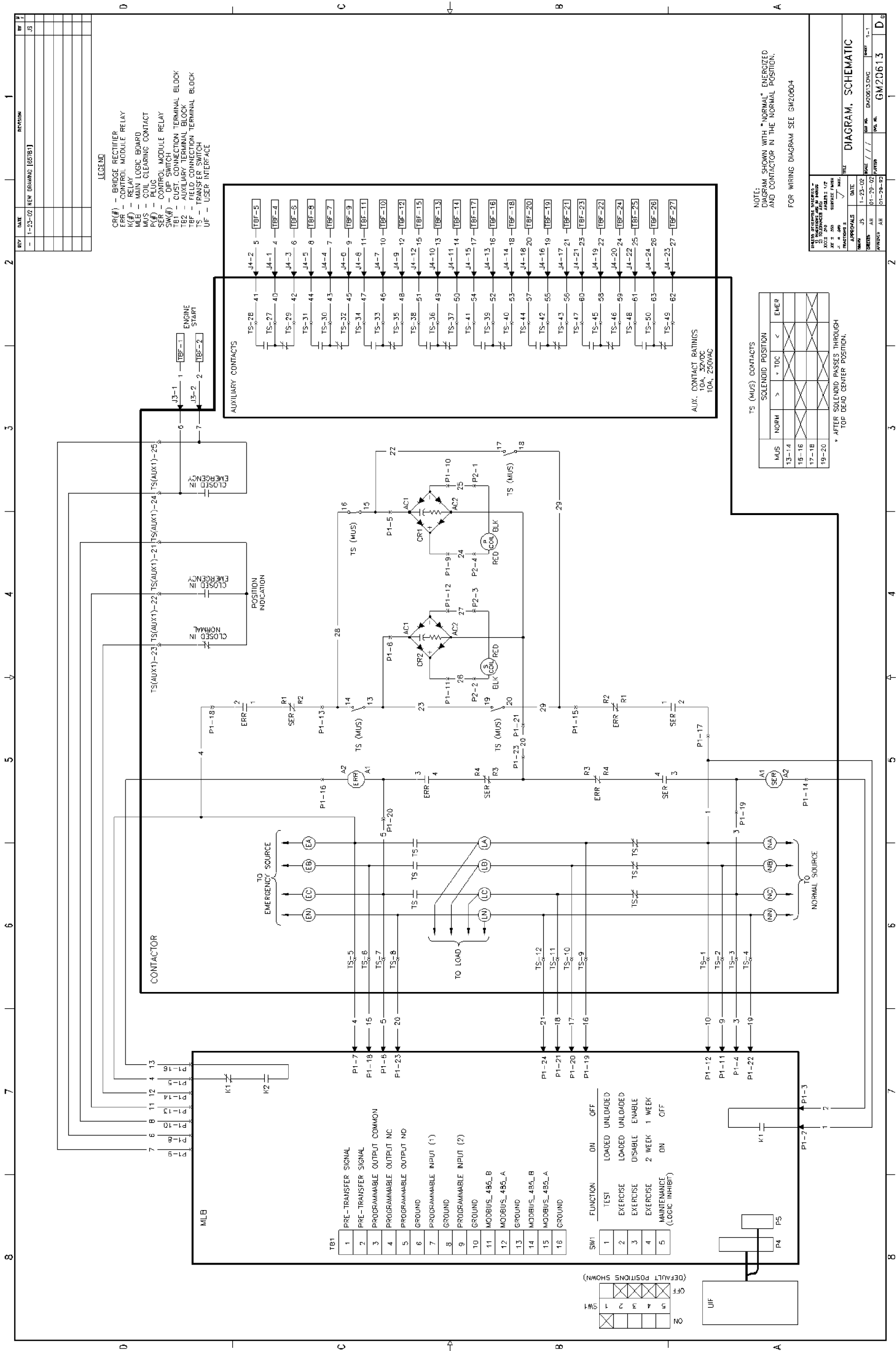




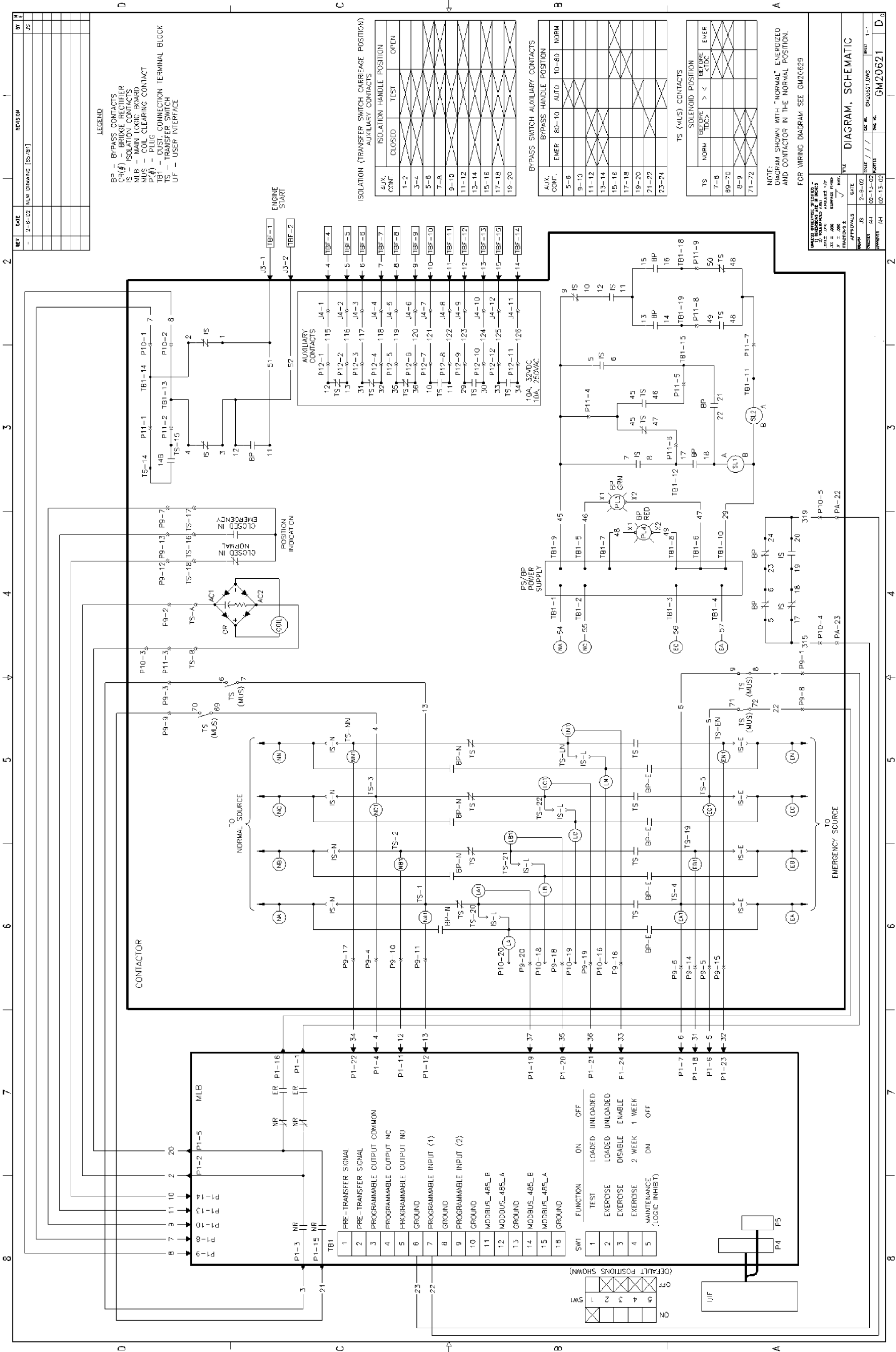
KCT Schematic Diagram, Standard, Open Transition, 30-400A and 4000A, GM20611



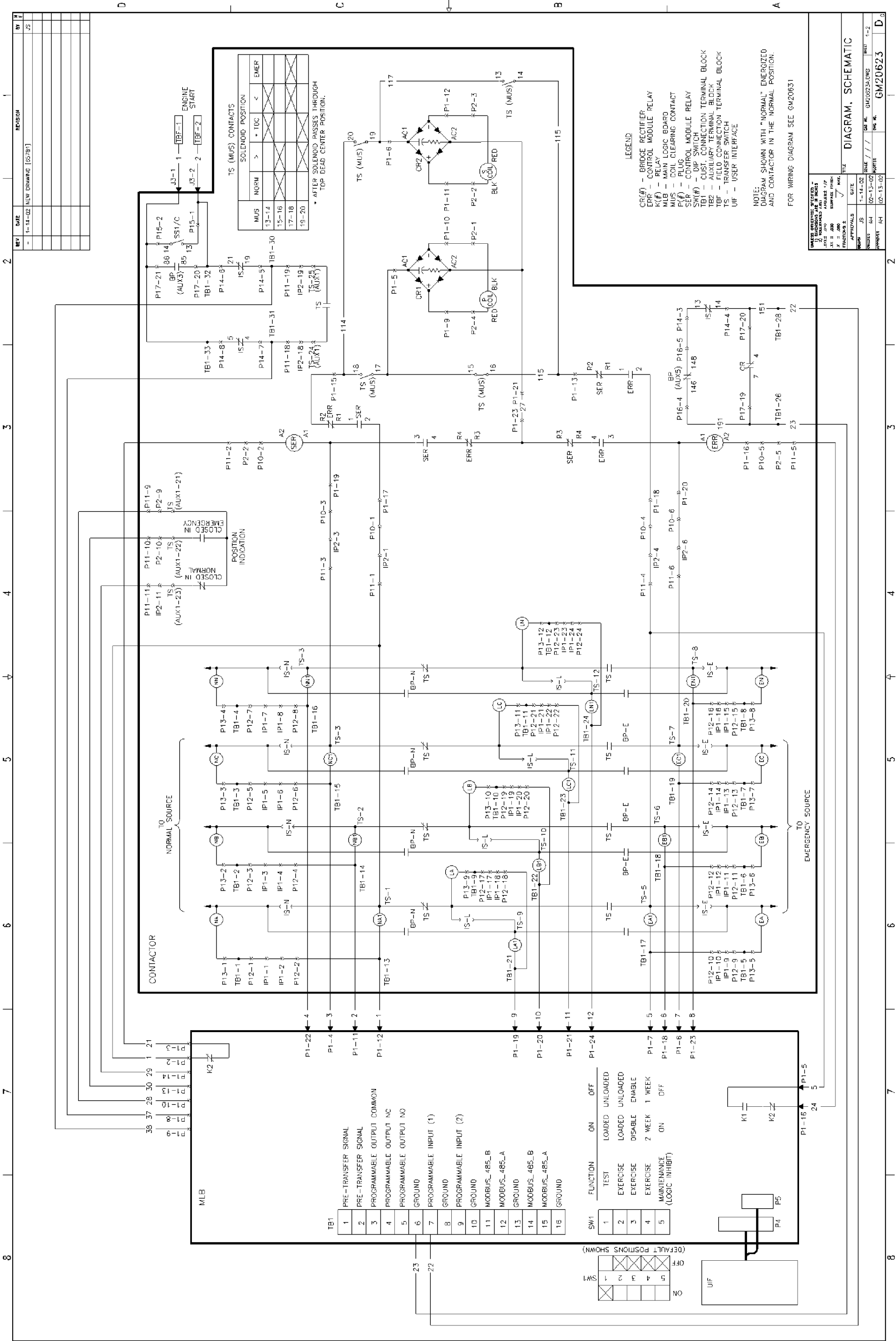
KCT Schematic Diagram, Standard, Open Transition, 600-1200A, GM20612

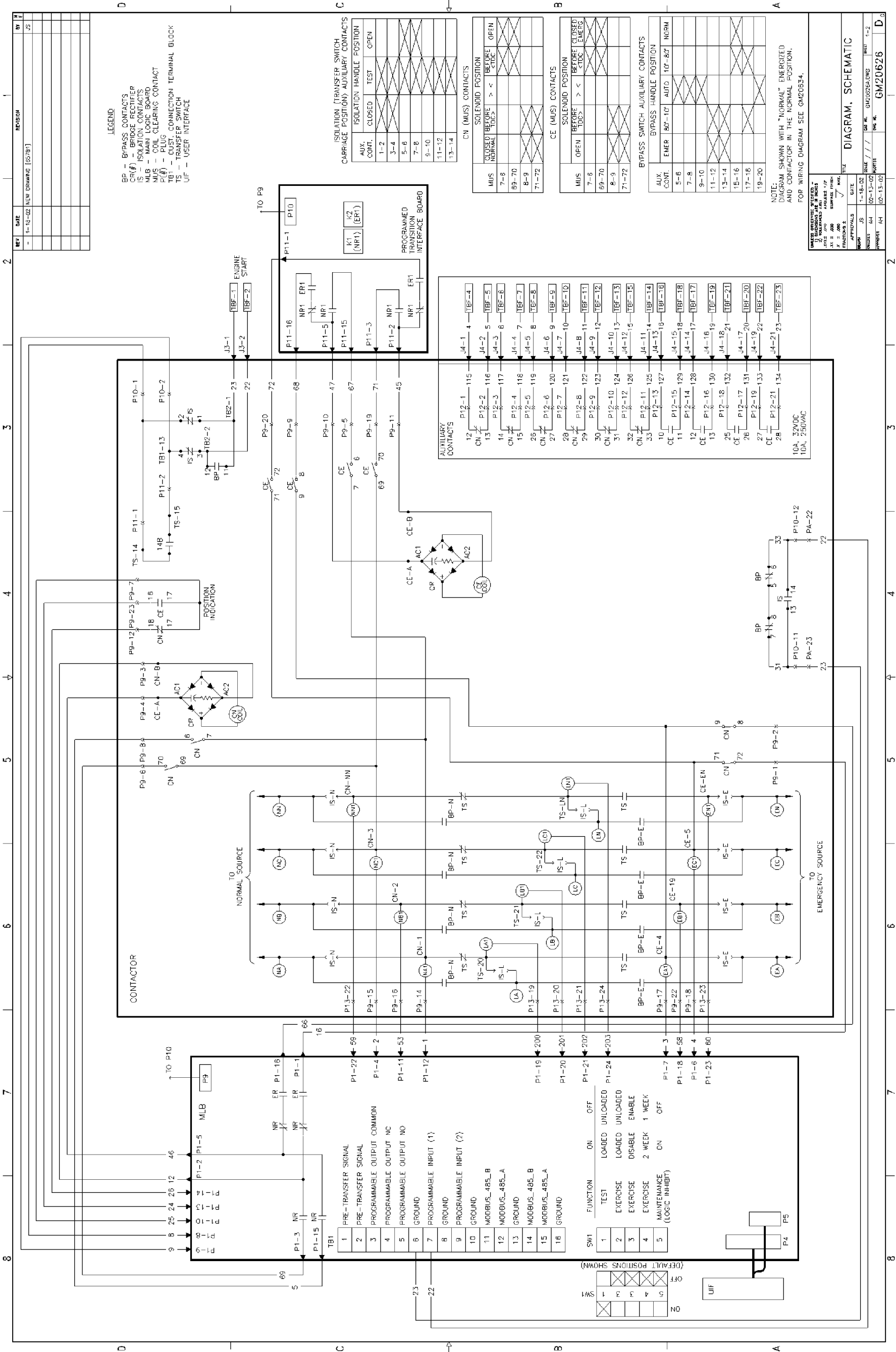


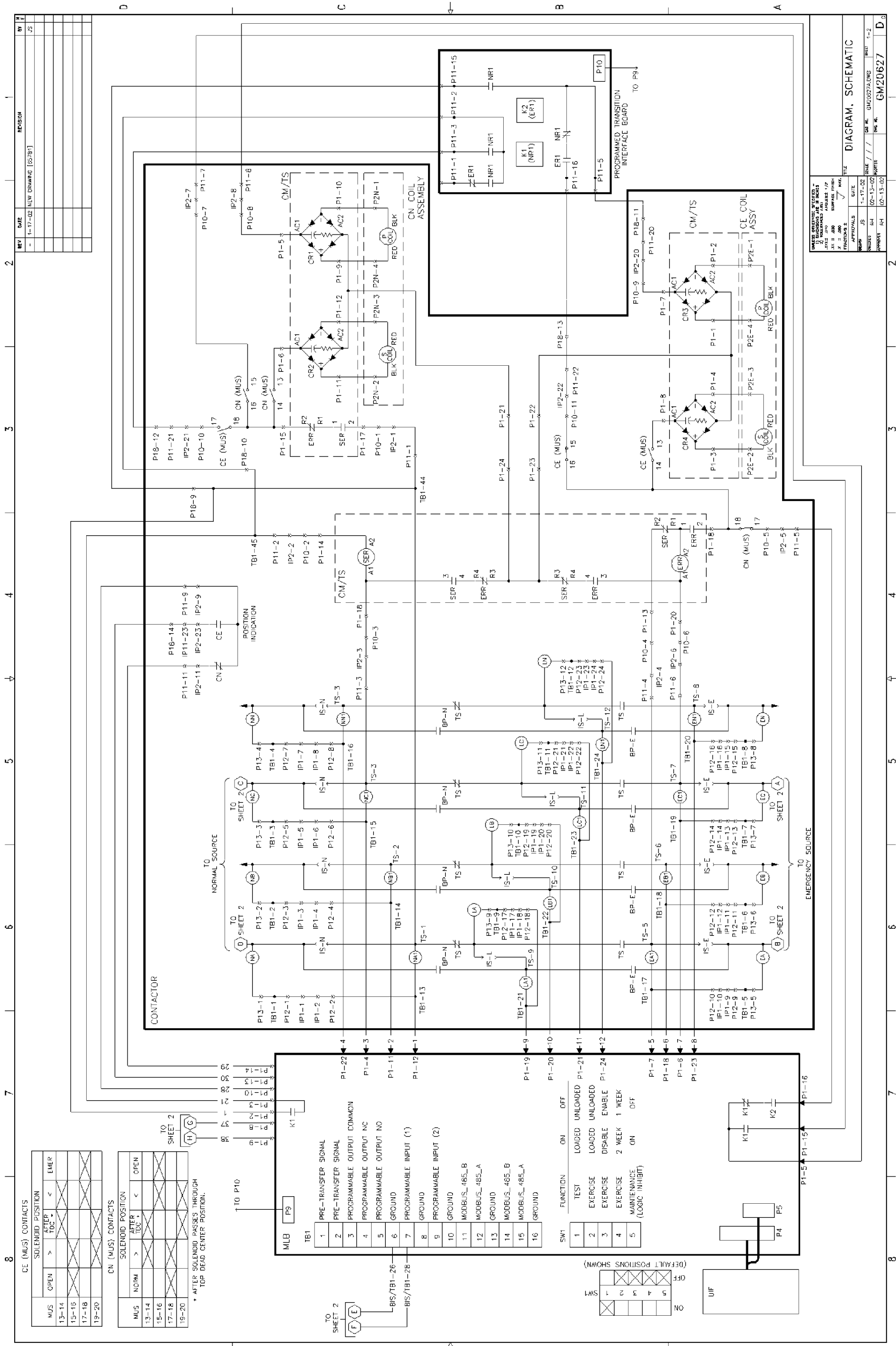
KCT Schematic Diagram, Standard, Open Transition, 1600-3000A, GM20613

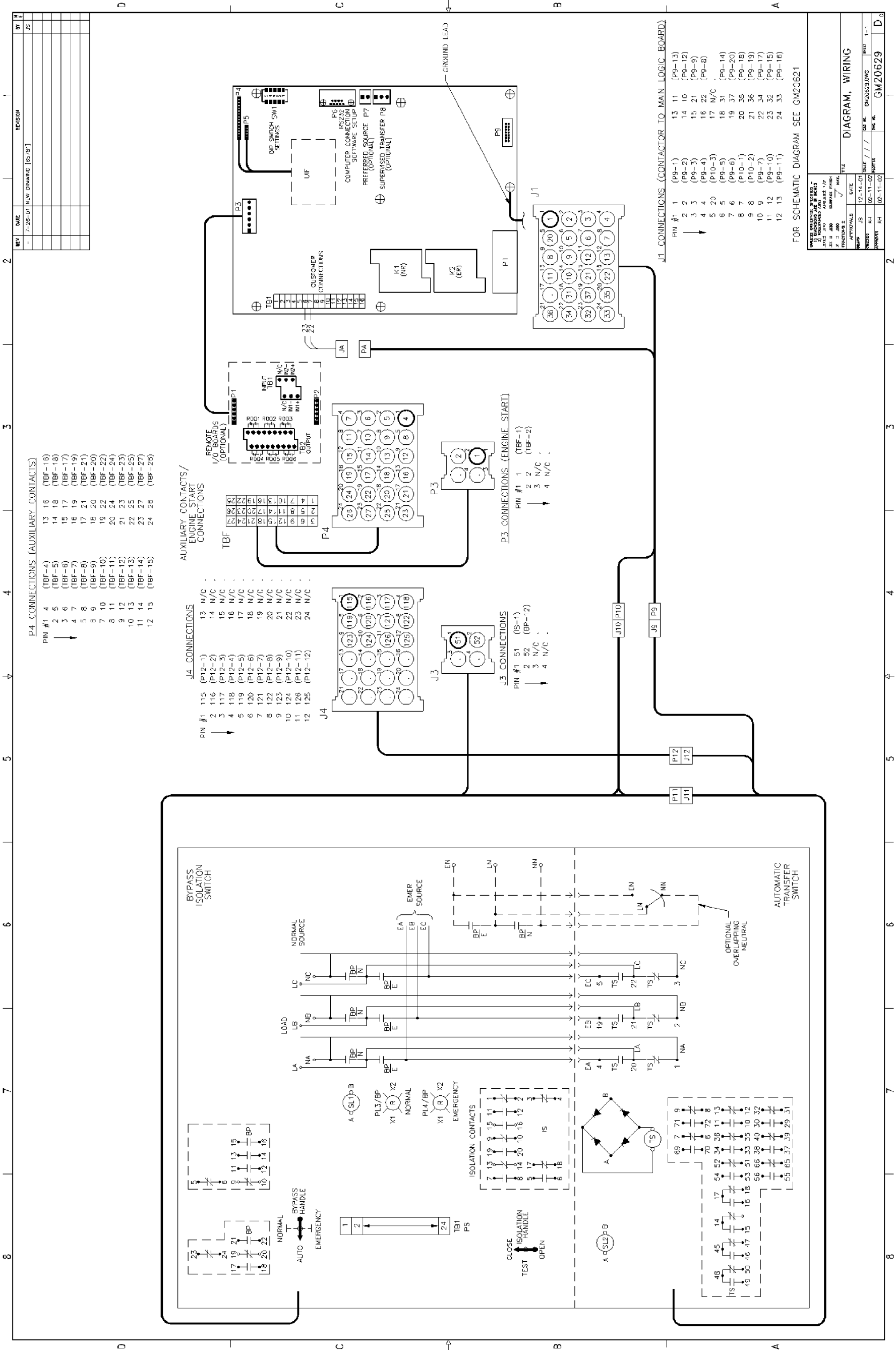


KBT Schematic Diagram, Bypass/Isolation, Open Transition, 150-400A, GM20621

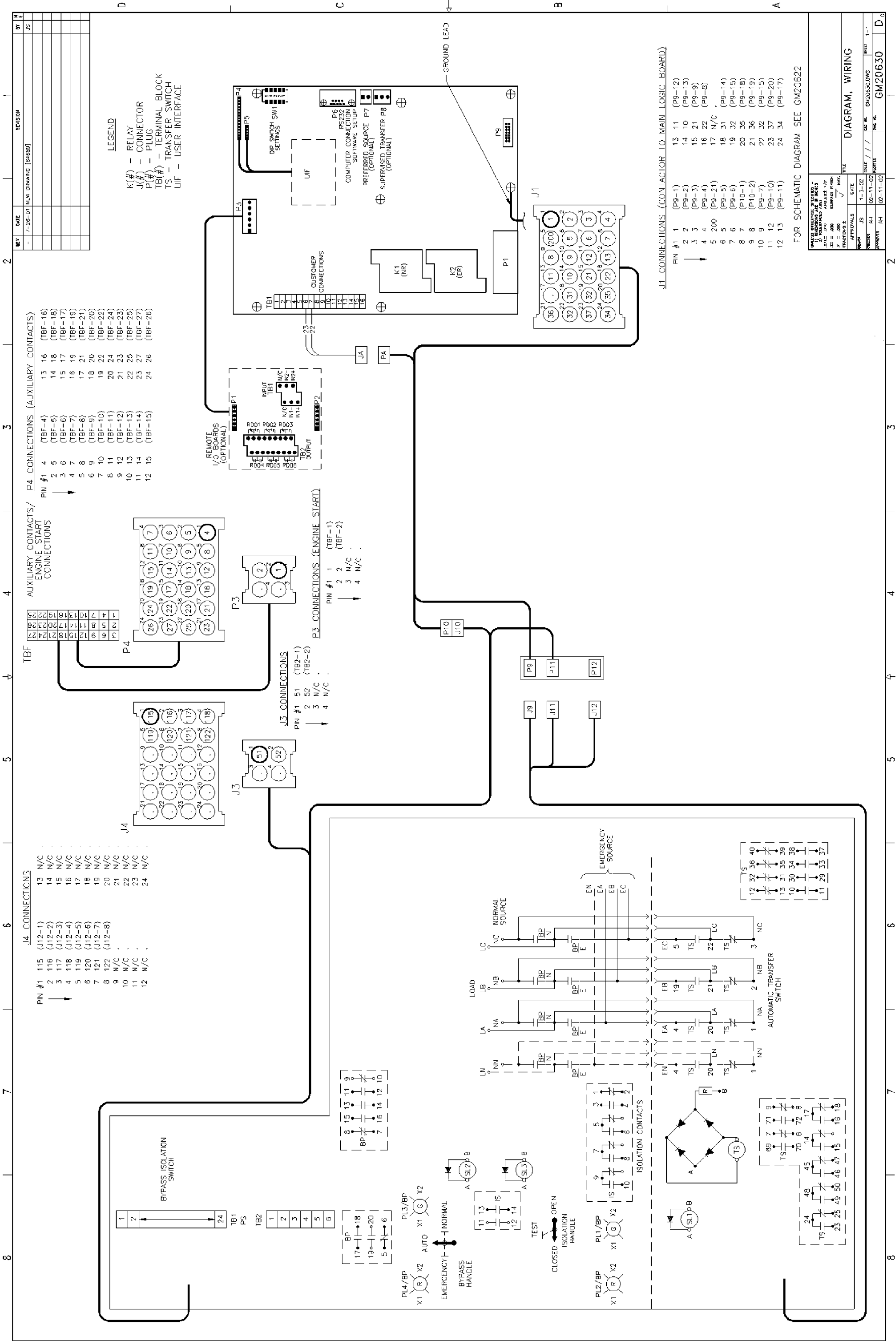




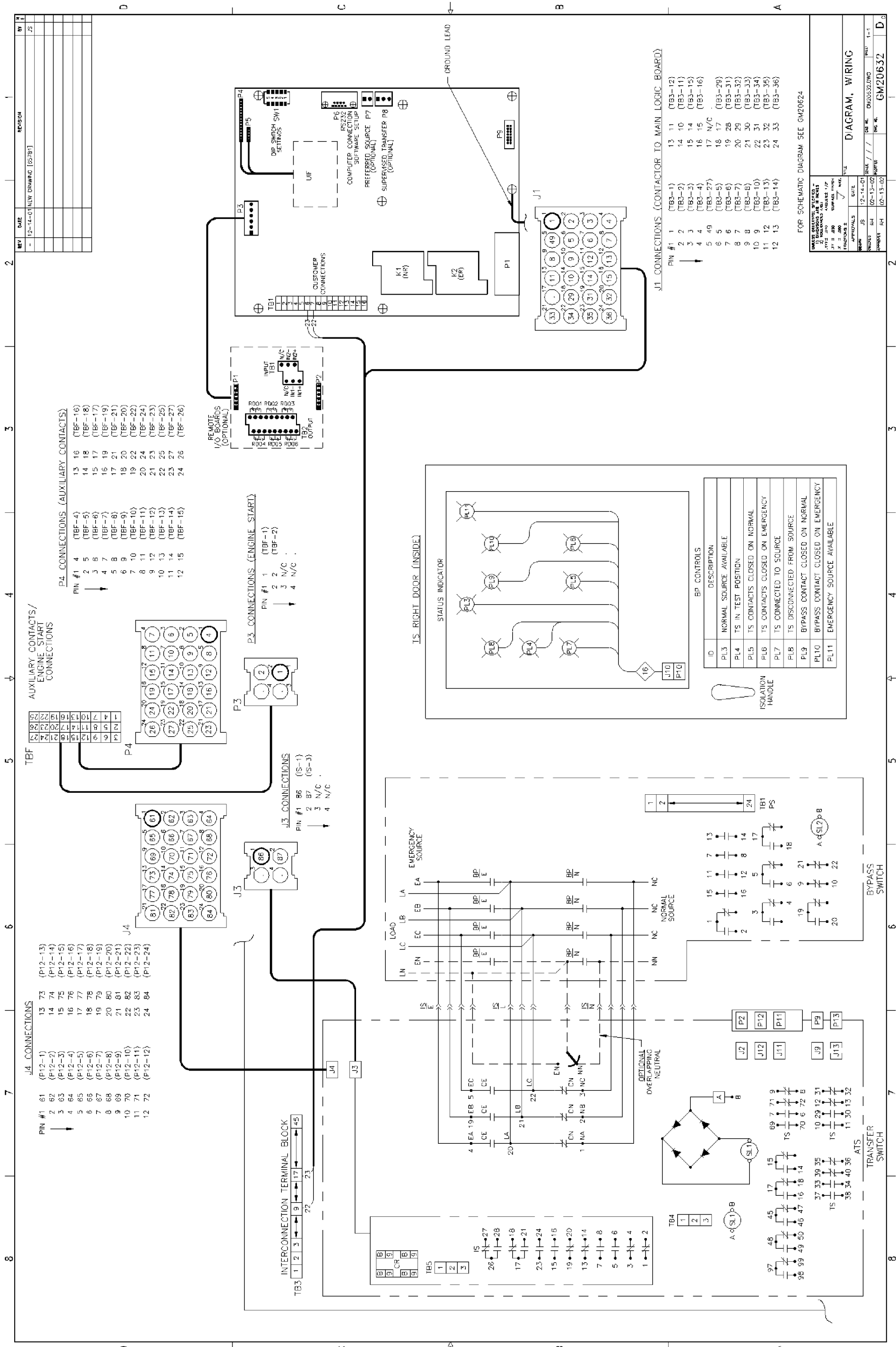


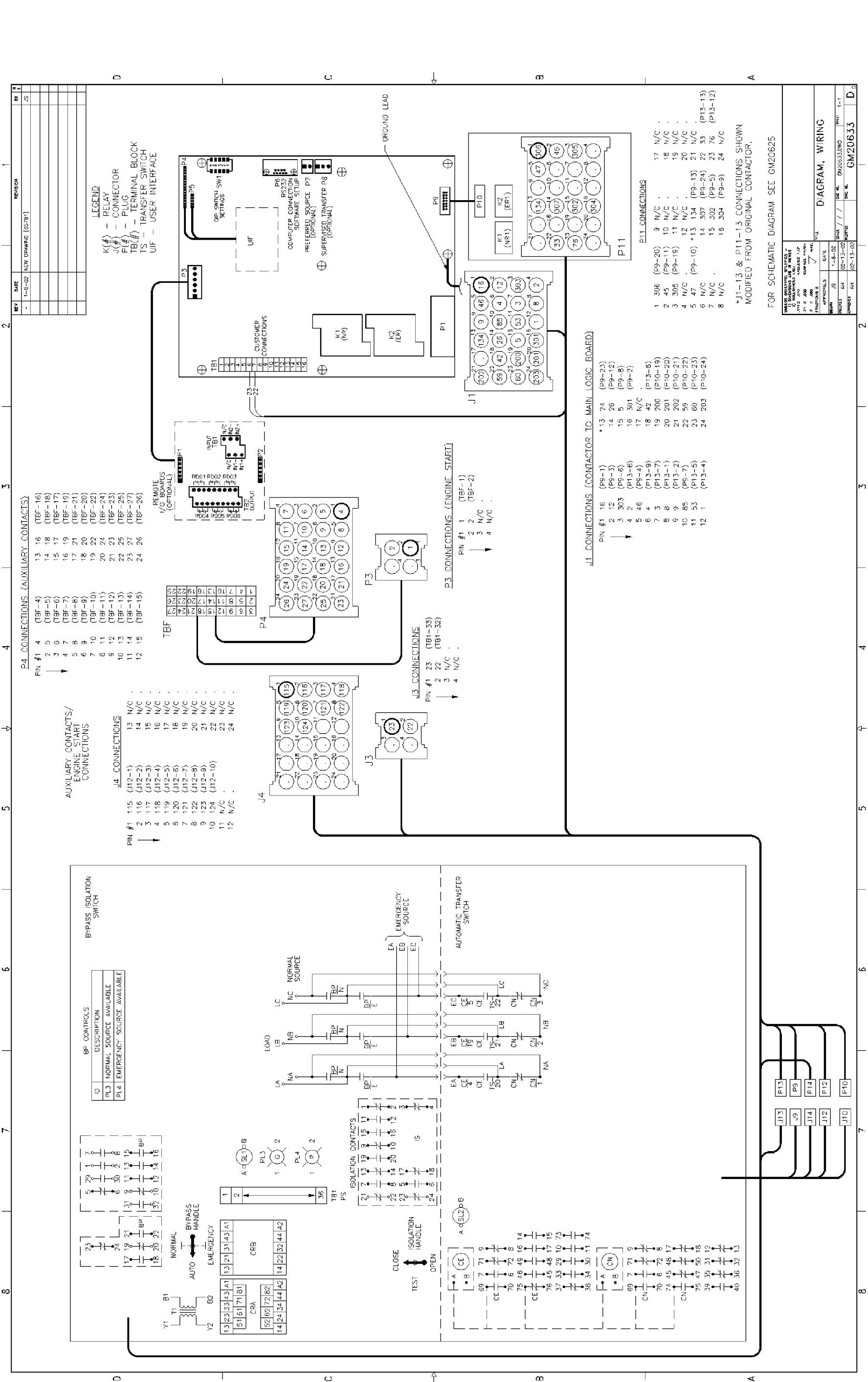


KBT Wiring Diagram, Bypass/Isolation, Open Transition, 150-400A, GM20629

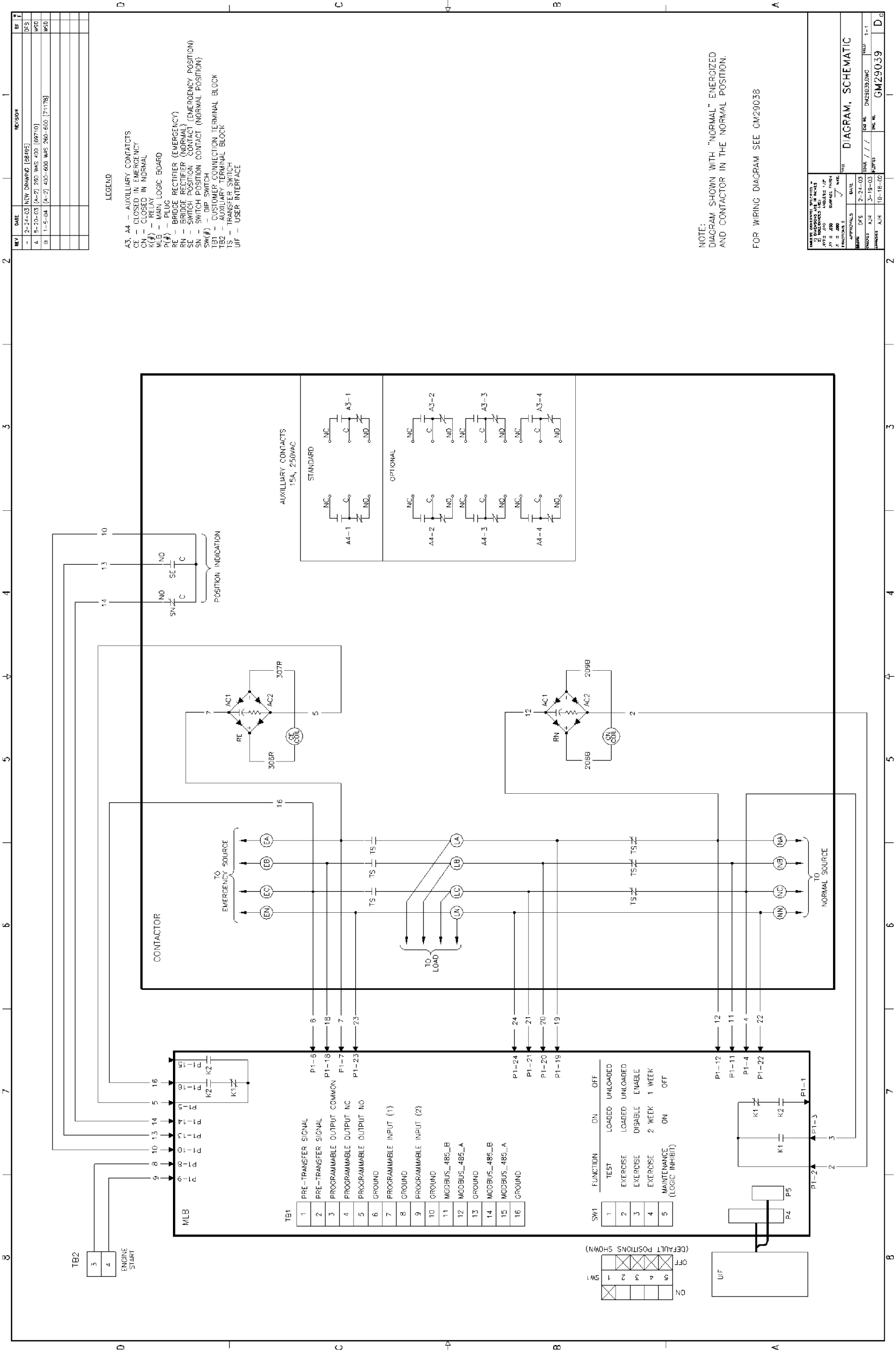


KBT Wiring Diagram, Bypass/Isolation, Open Transition, 600-800A, GM20630

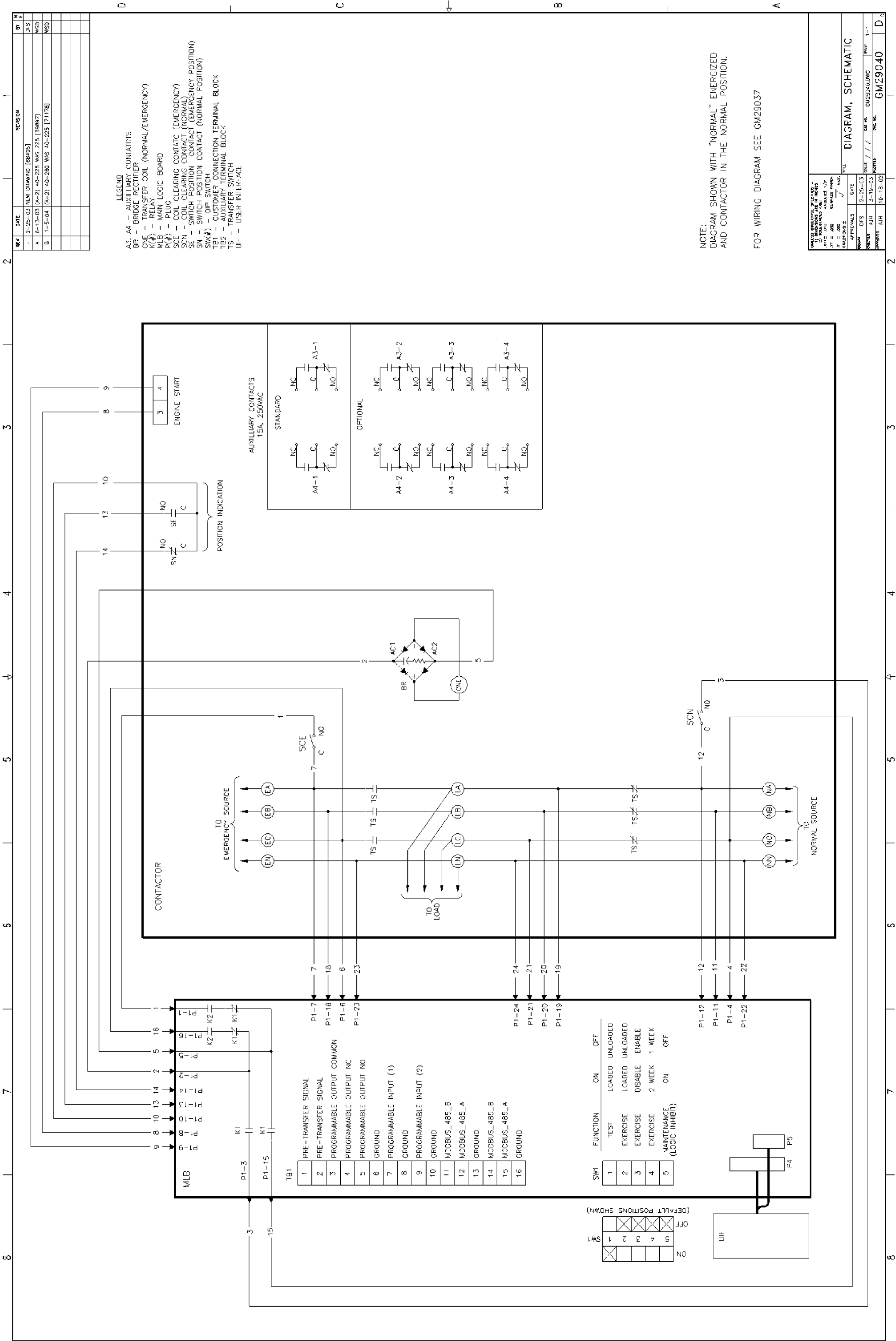




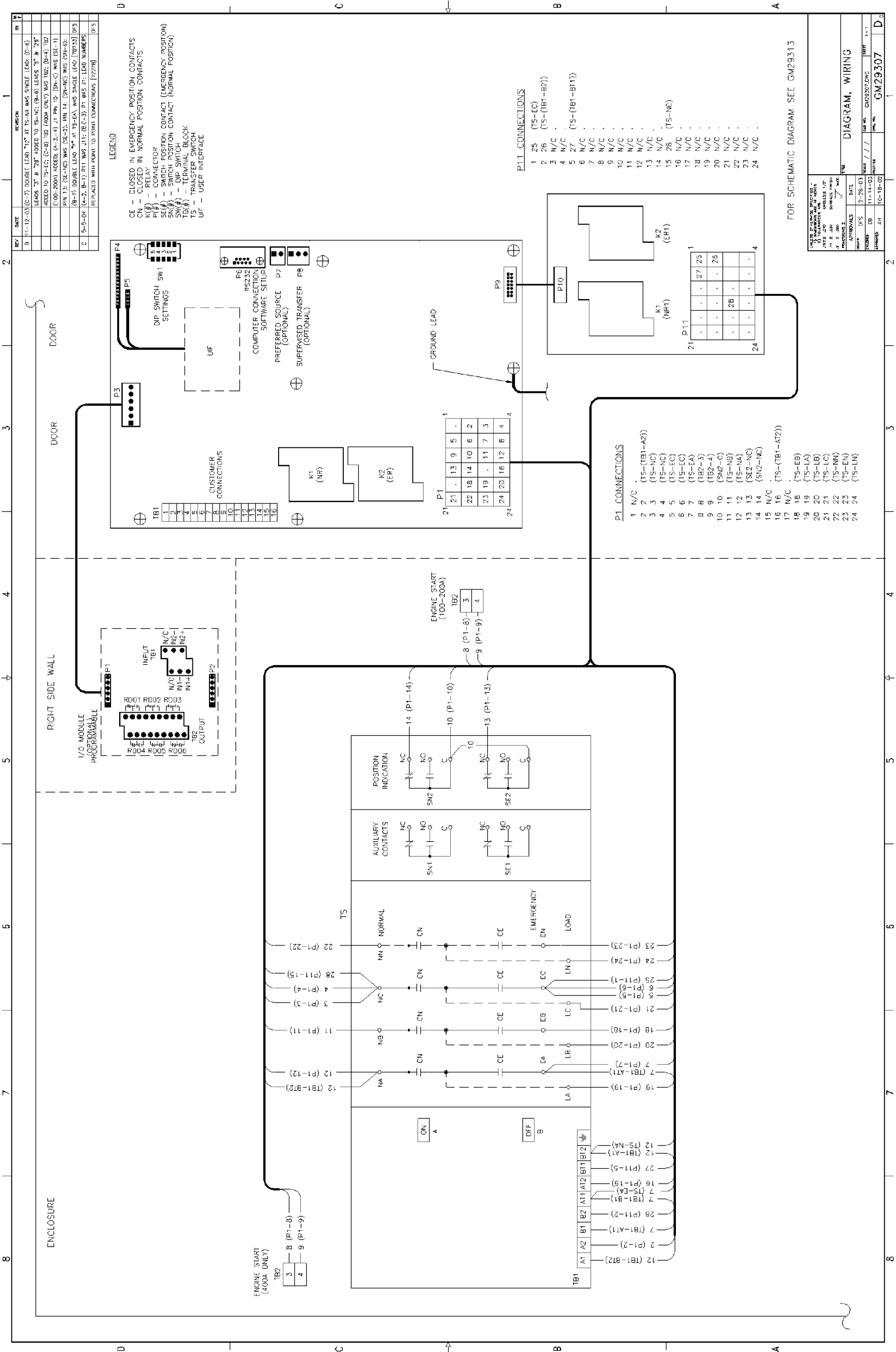
KBP Wiring Diagram, Bypass/Isolation, Programmed Transition, 150-400A 2 and 3 Pole, GM20633



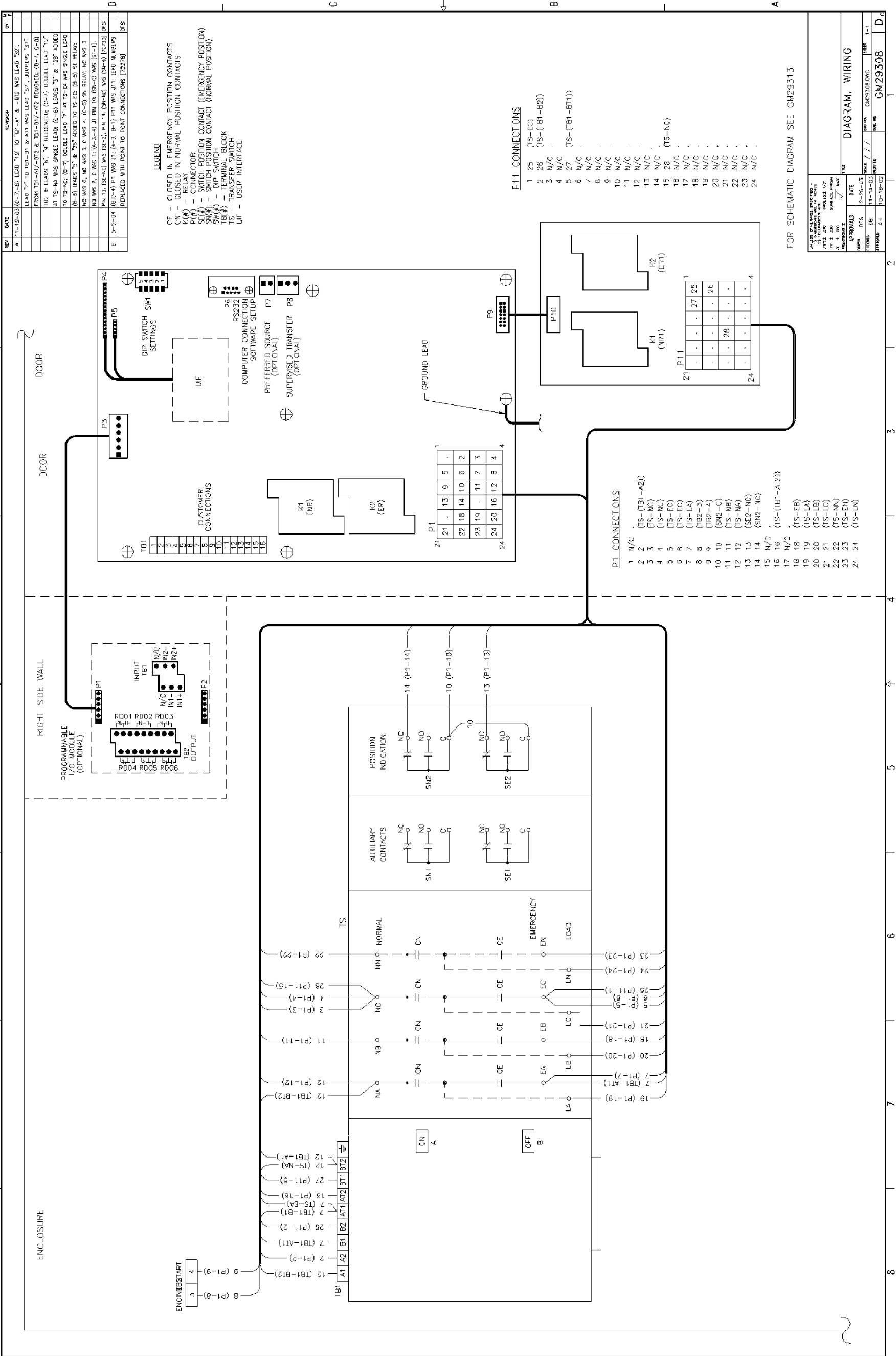
KDT Schematic Diagram, Standard, Open Transition, 260-600A, GM29039-B



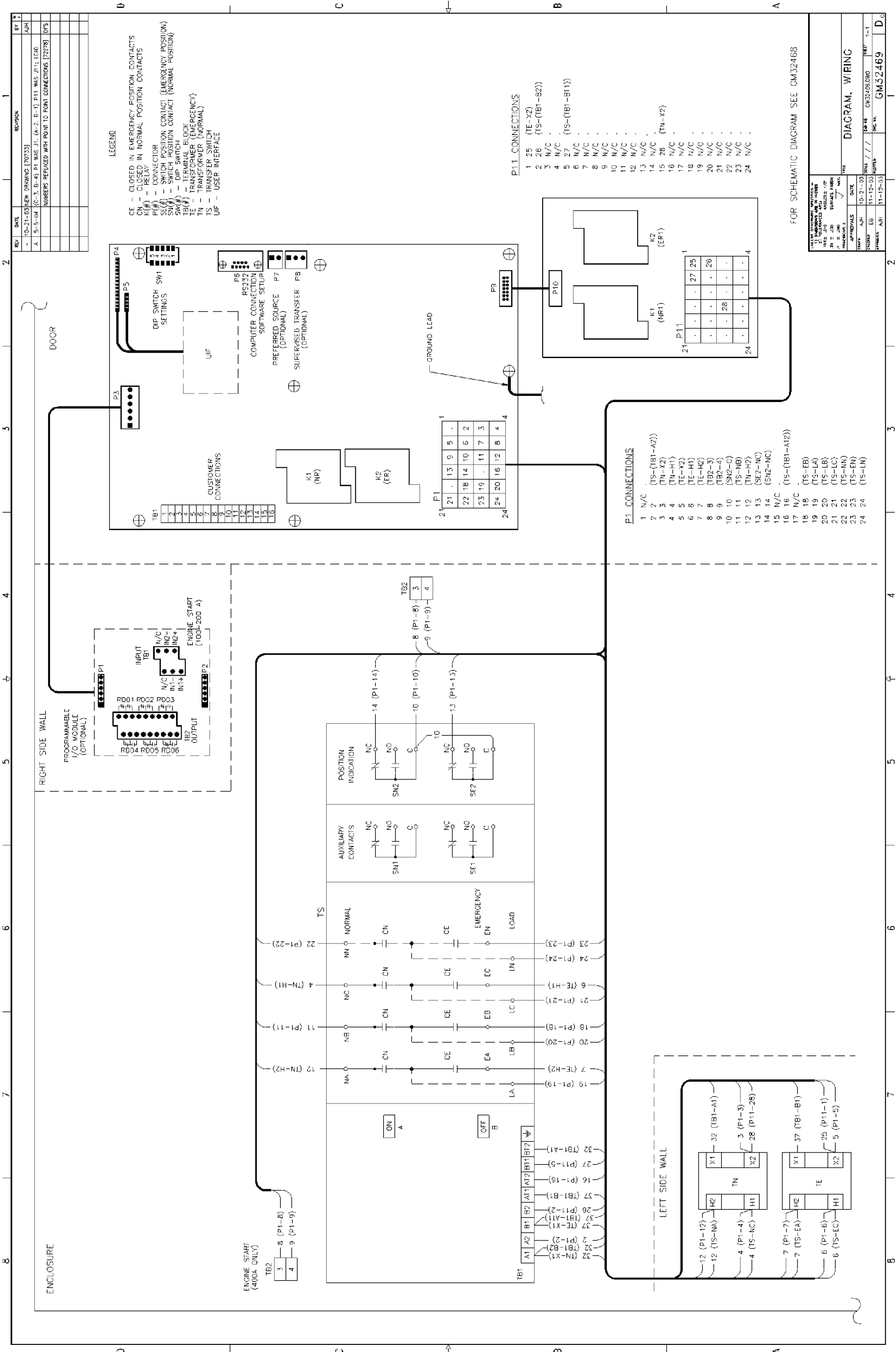
KDT Schematic Diagram, Standard, Open Transition, 40-225A, GM29040-B



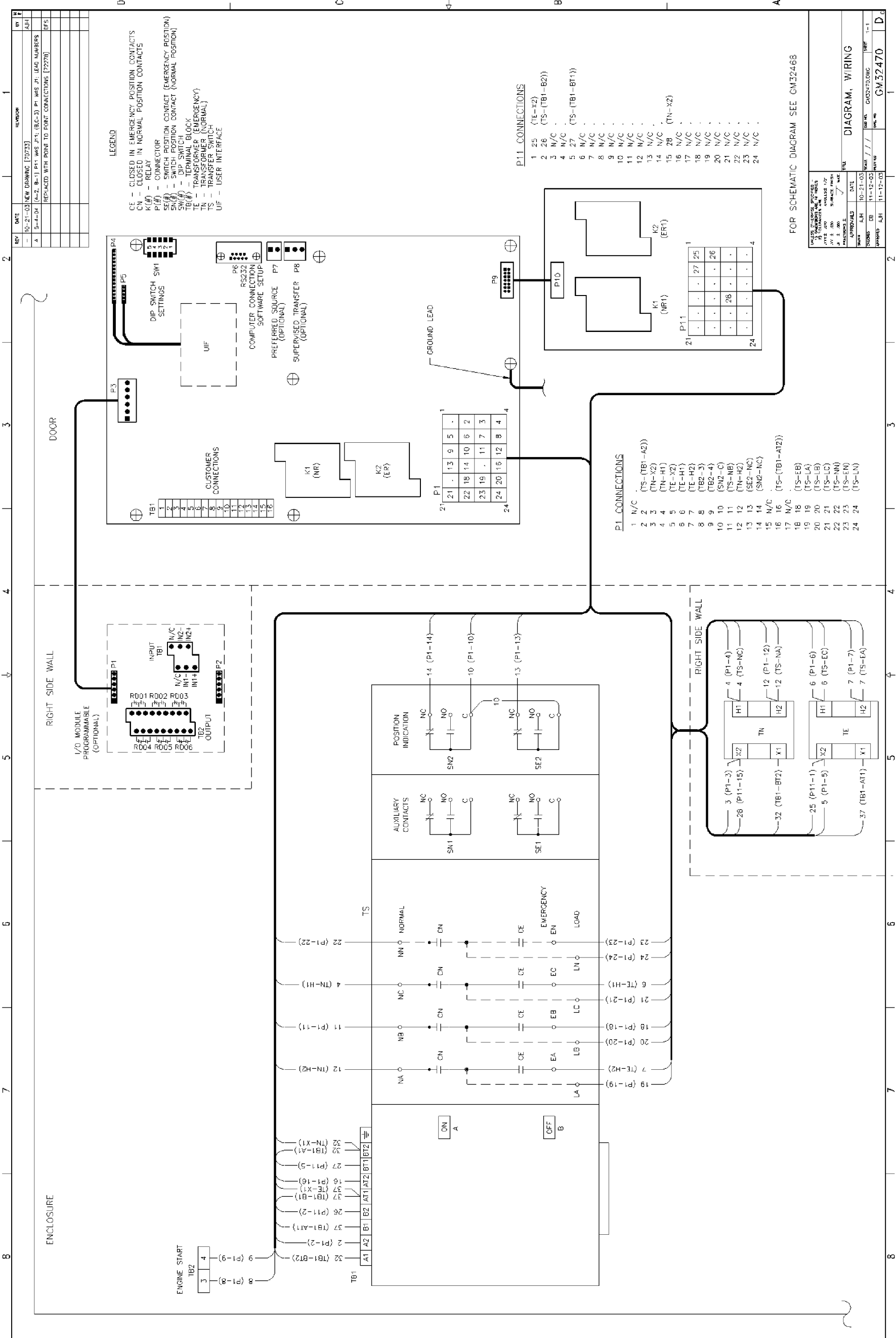
KDP Wiring Diagram, Standard, Programmed Transition, 100-400A, 208-240V, GM29307-C



KDP Wiring Diagram, Standard, Programmed Transition, 600A, 208-240V, GM29308-B



KDP Schematic Diagram, Standard, Programmed Transition, 100-400A, 380-480V, GM32469-A



KDP Wiring Diagram, Standard, Programmed Transition, 600A, 380-480V, GM32470-A

This page intentionally left blank.

TP-6169 9/04c

© 2001, 2002, 2003, 2004 by Kohler Co. All rights reserved.

KOHLER[®] POWER SYSTEMS

KOHLER CO. Kohler, Wisconsin 53044
Phone 920-565-3381, Fax 920-459-1646
For the nearest sales/service outlet in the
US and Canada, phone 1-800-544-2444
KohlerPowerSystems.com

Kohler Power Systems
Asia Pacific Headquarters
7 Jurong Pier Road
Singapore 619159
Phone (65) 6264-6422, Fax (65) 6264-6455