

Wiring Diagrams

DETROIT DIESEL



Industrial Generator Sets

Models:

400-800GSW (Waukesha Powered)

Controller:
Digital 550



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.

Generator Set Identification Numbers

Record the product identification numbers from the generator set nameplate(s).

Model Designation _____

Specification Number _____

Serial Number _____

Accessory Number	Accessory Description
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Controller Identification

Record the controller description from the generator set operation manual, spec sheet, or sales invoice.

Controller Description _____

Engine Identification

Record the product identification information from the engine nameplate.

Manufacturer _____

Model Designation _____

Serial Number _____

This manual provides wiring diagrams for the 400–800GSW Waukesha engine-powered generator sets equipped with the following controller:

- Digital 550

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Service Assistance

For professional advice on generator power requirements and conscientious service, please contact your nearest DDC/MTU Power Generation distributor.

- Consult the Yellow Pages under the heading Generators—Electric
- Visit the DDC/MTU Power Generation website at ddcmtupowergeneration.com
- Look at the labels and stickers on your DDC/MTU Power Generation product or review the appropriate literature or documents included with the product

Wiring Diagrams

Use the Wiring Diagram Cross-Reference chart to determine the wiring diagram version number for a given model number and spec number. Then find that version number and the controller type on the Controller

Wiring Diagrams Reference chart to determine the wiring diagram numbers for your unit. Refer to the generator set operation manual for controller type identification, if necessary.

Wiring Diagram Cross-Reference

Generator Set Model No.	Hz	Generator Set Spec No.	Wiring Diagram Version No.
400GSW	50/60	GM22173-GA1S, 2S, 3S, 4S	1-1
400GSW	50/60	GM22173-GA5S, 6S, 7S, 8S	1-2
600GSW	50/60	GM22193-GA1S, 2S, 3S, 4S	2-1
800GSW	50/60	GM22207-GA1S, 2S, 3S, 4S	2-1

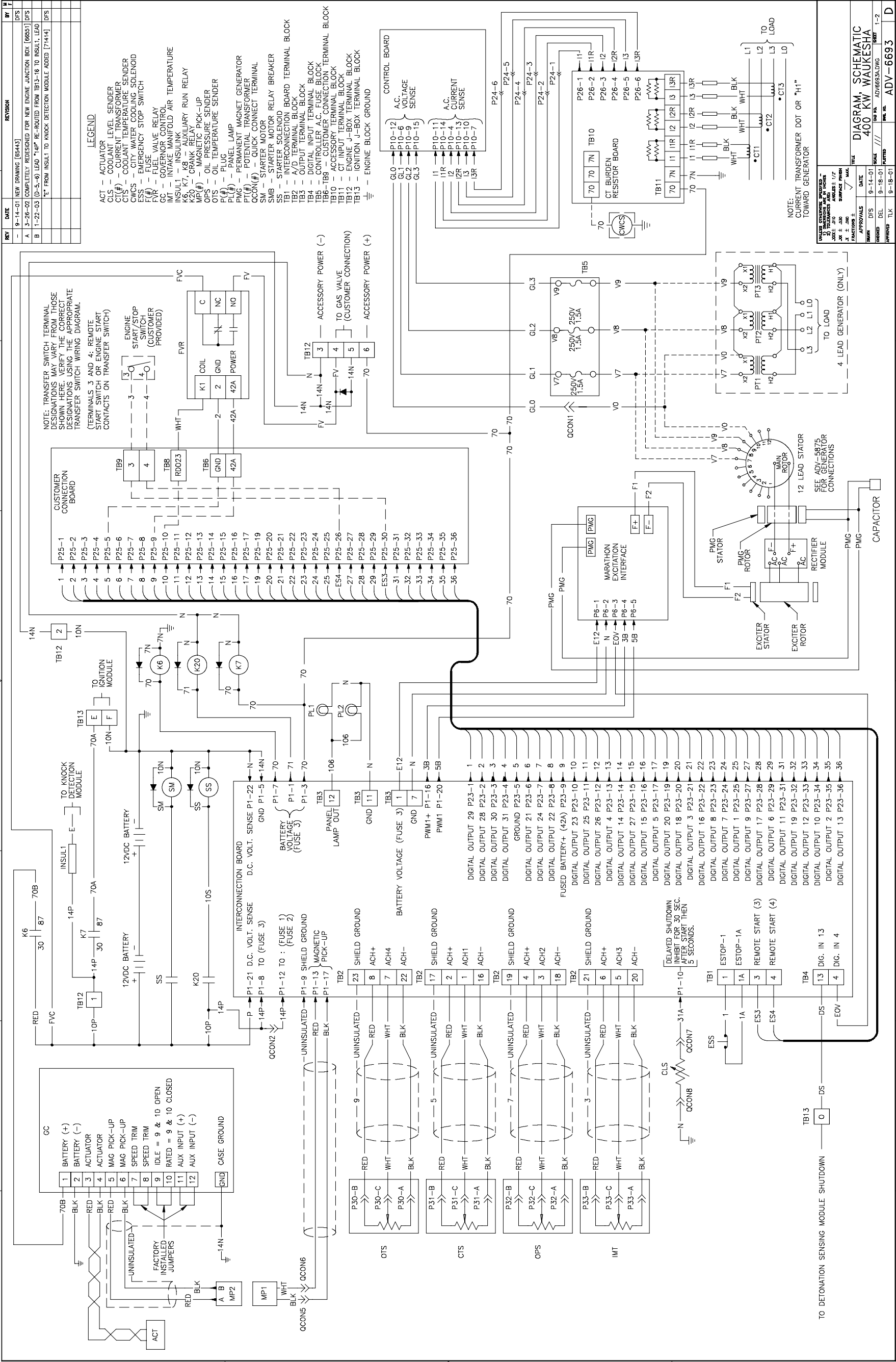
400GSW Controller Wiring Diagrams Reference

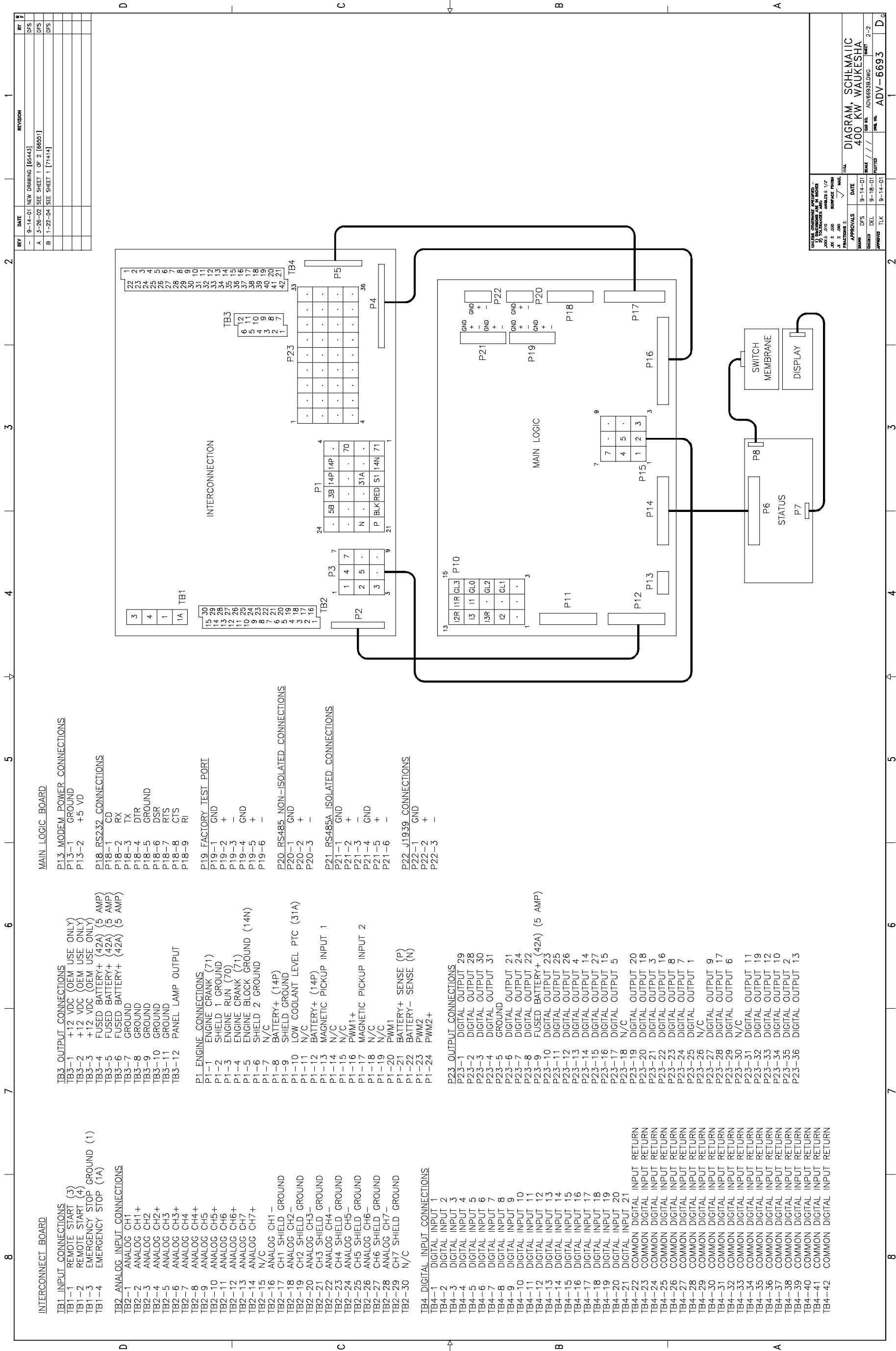
Controller Description	Version 1-1	Page	Version 1-2	Page
Digital 550				
Point-to-Point Wiring Diagram				
Sheet 1	GM22291A-B	14	GM47120A-	22
Sheet 2	GM22291B-B	15	GM47120B-	23
Schematic Diagram				
Sheet 1	ADV-6693A-B	6	ADV-7123A-	10
Sheet 2	ADV-6693B-B	7	ADV-7123B-	11
Accessory Connections				
Sheet 1	GM16088A-F	12	GM28632B-G	18
Sheet 2	GM16088B-F	13	GM28632C-G	19
Sheet 3	—		GM28632D-G	20
Sheet 4	—		GM28632E-G	21
Generator Reconnections	ADV-5875C-G	5	ADV-5875C-G	5

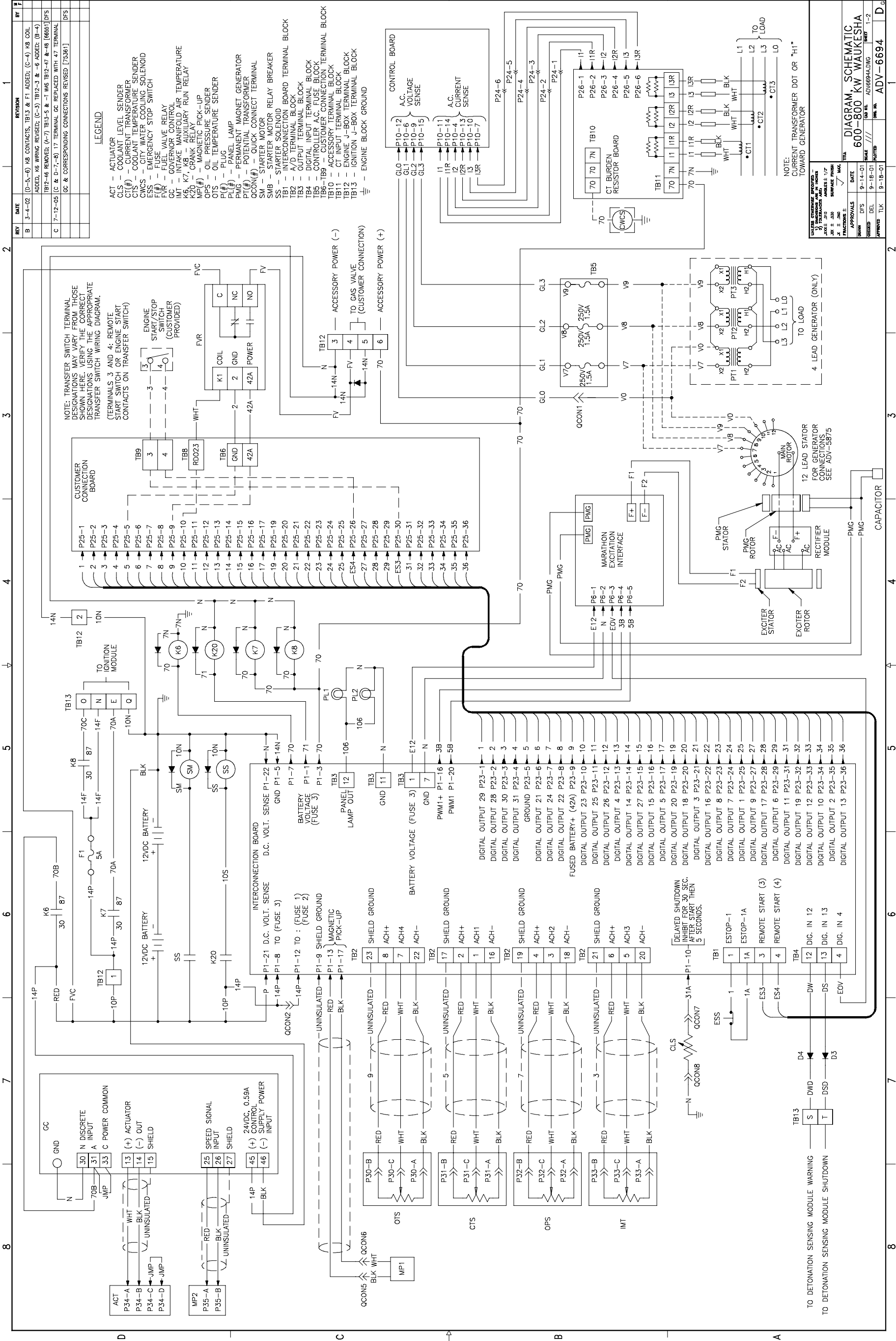
Note: Version 1-2 represents governor controller change.

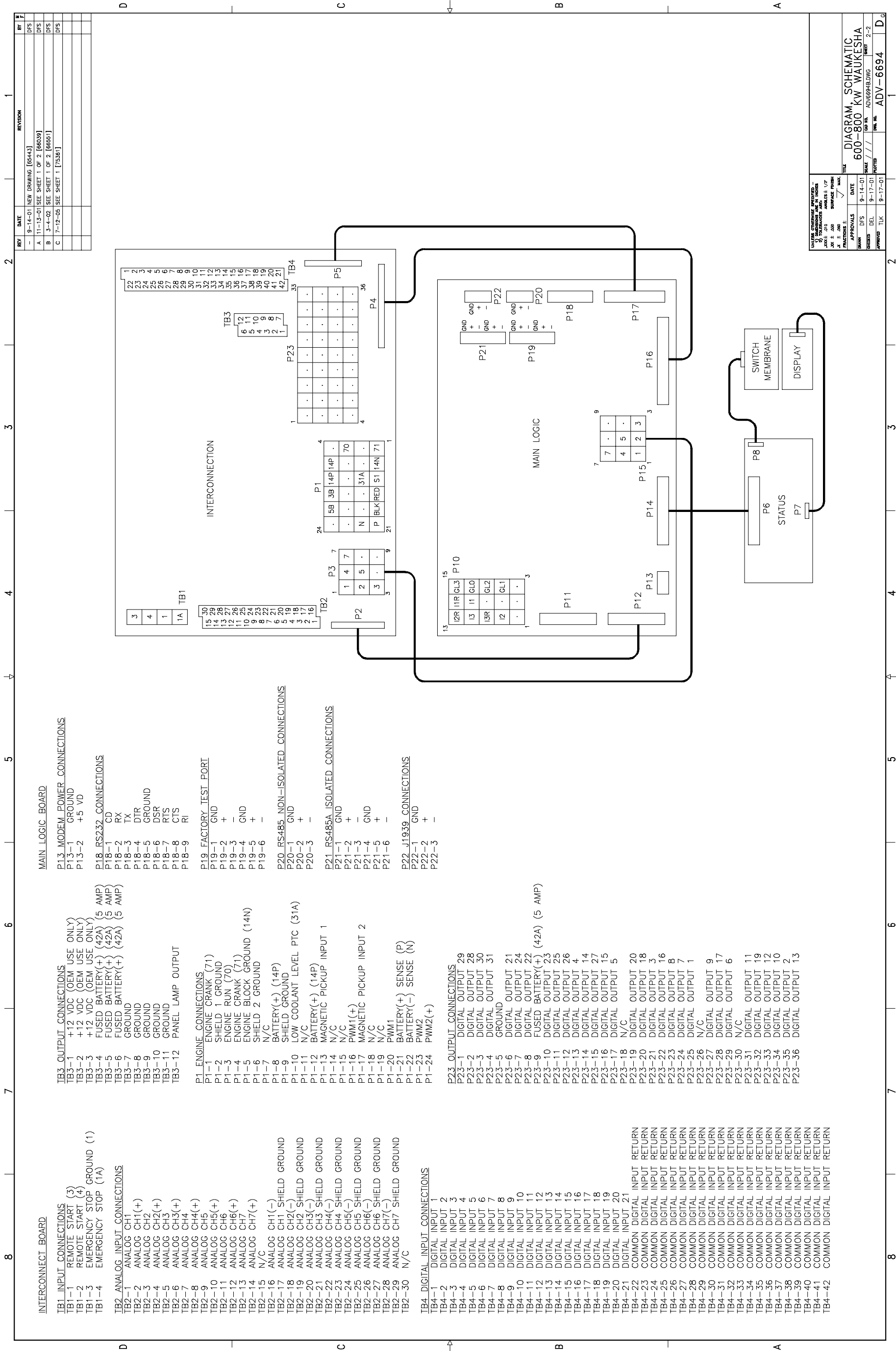
600/800GSW Controller Wiring Diagrams Reference

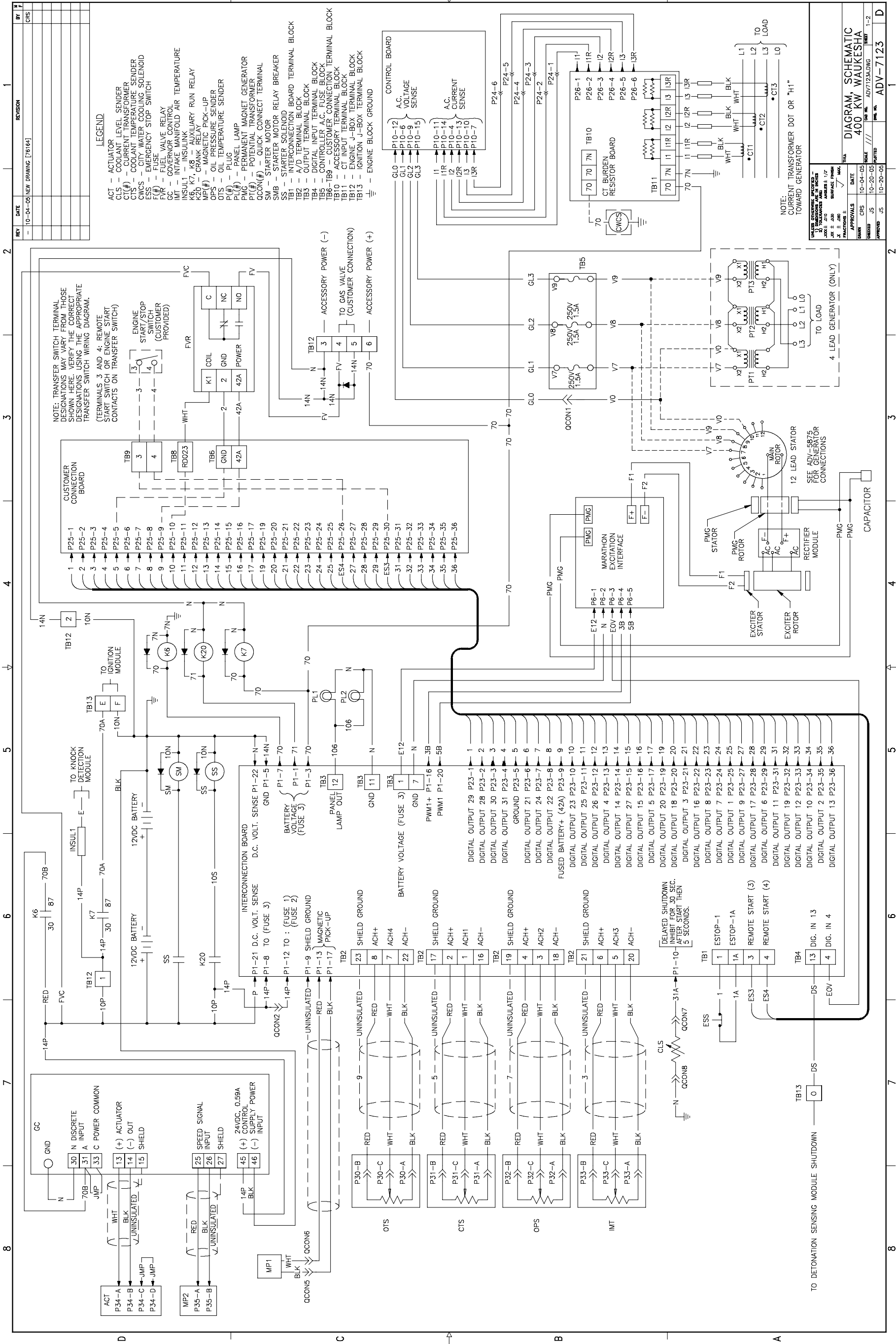
Controller Description	Version 2-1	Page
Digital 550		
Point-to-Point Wiring Diagram		
Sheet 1	GM22292A-C	16
Sheet 2	GM22292B-C	17
Schematic Diagram		
Sheet 1	ADV-6694A-C	8
Sheet 2	ADV-6694B-C	9
Accessory Connections		
Sheet 1	GM28632B-G	18
Sheet 2	GM28632C-G	19
Sheet 3	GM28632D-G	20
Sheet 4	GM28632E-G	21
Generator Reconnections	ADV-5875C-G	5

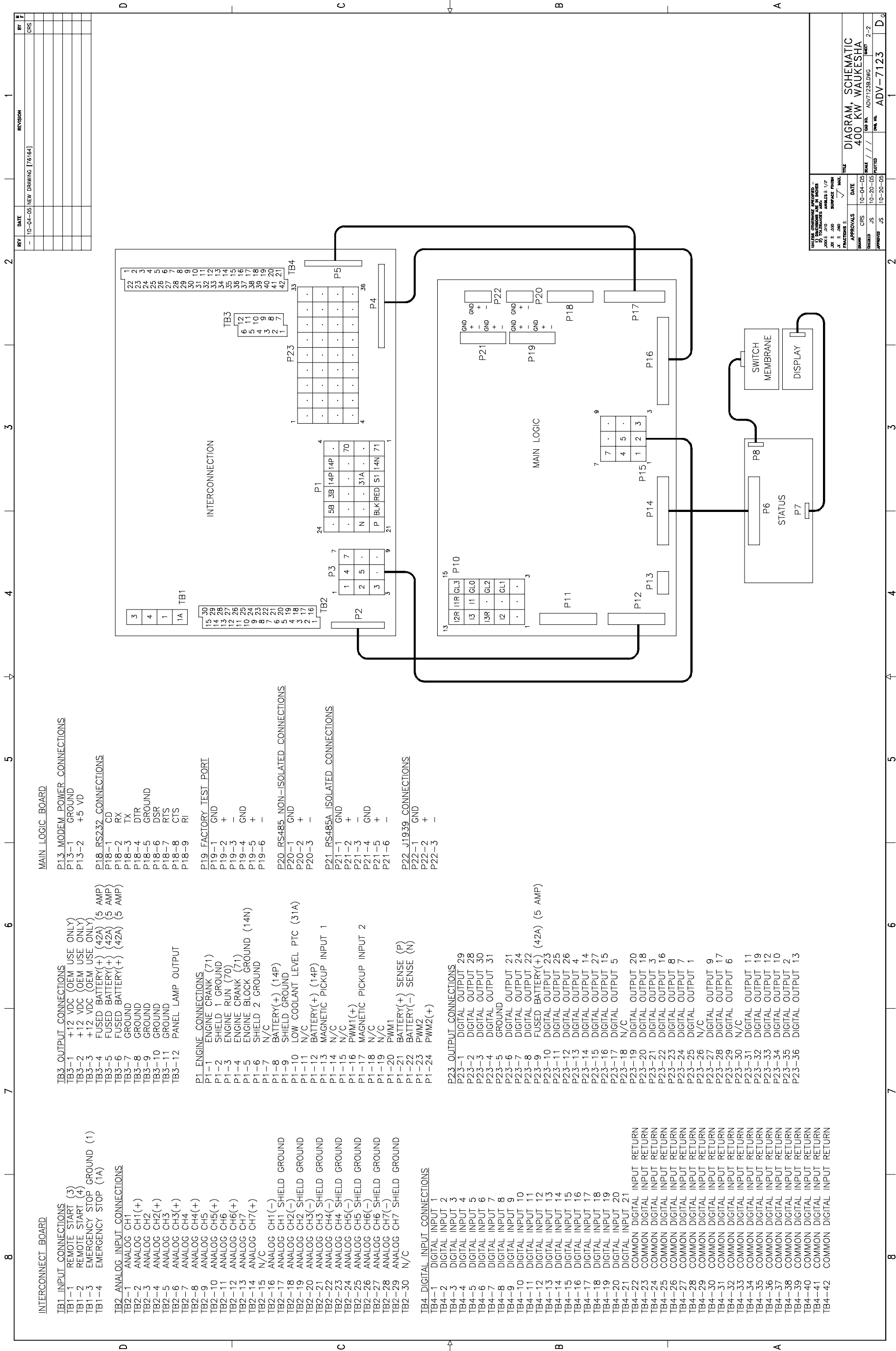


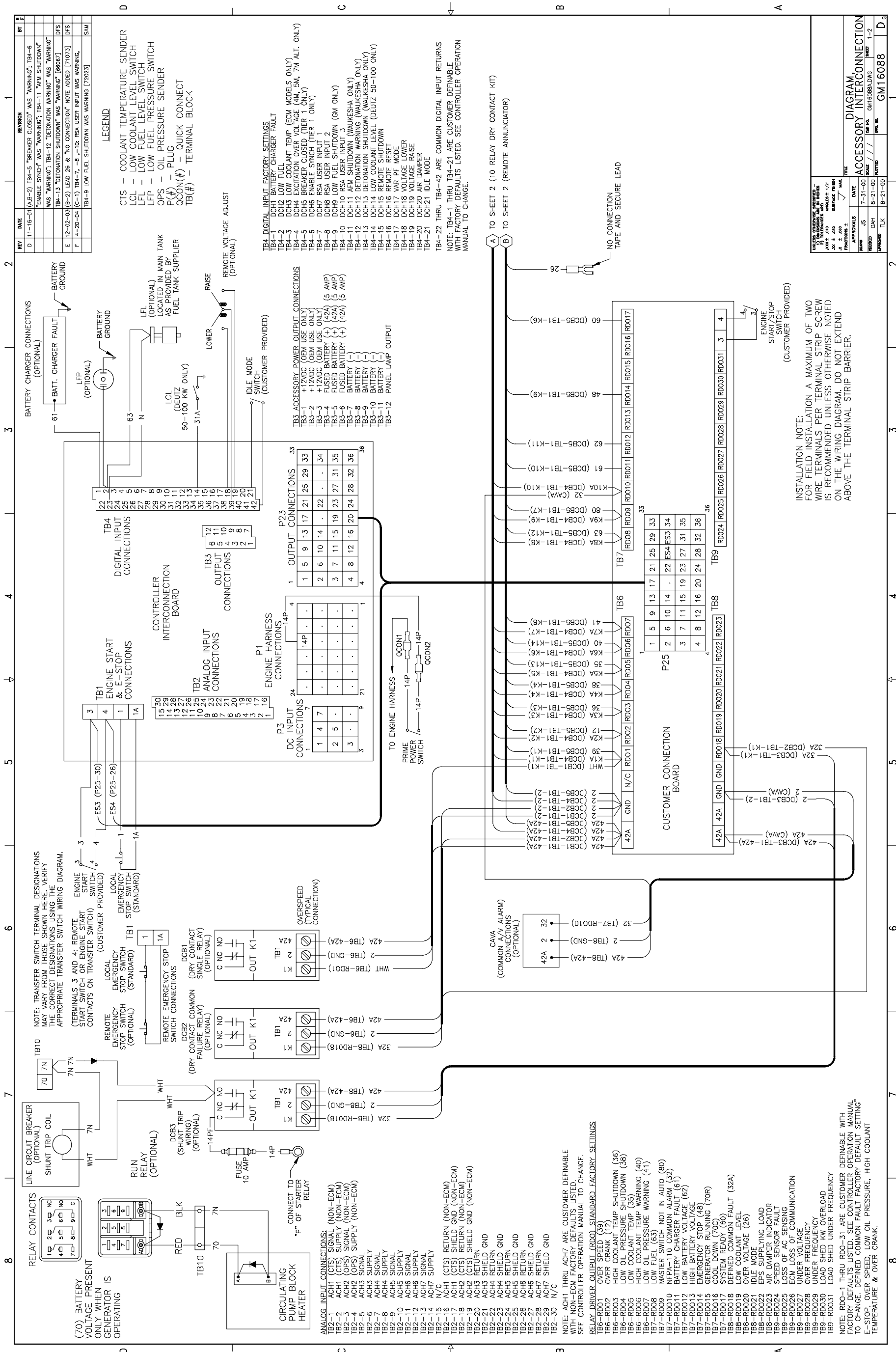


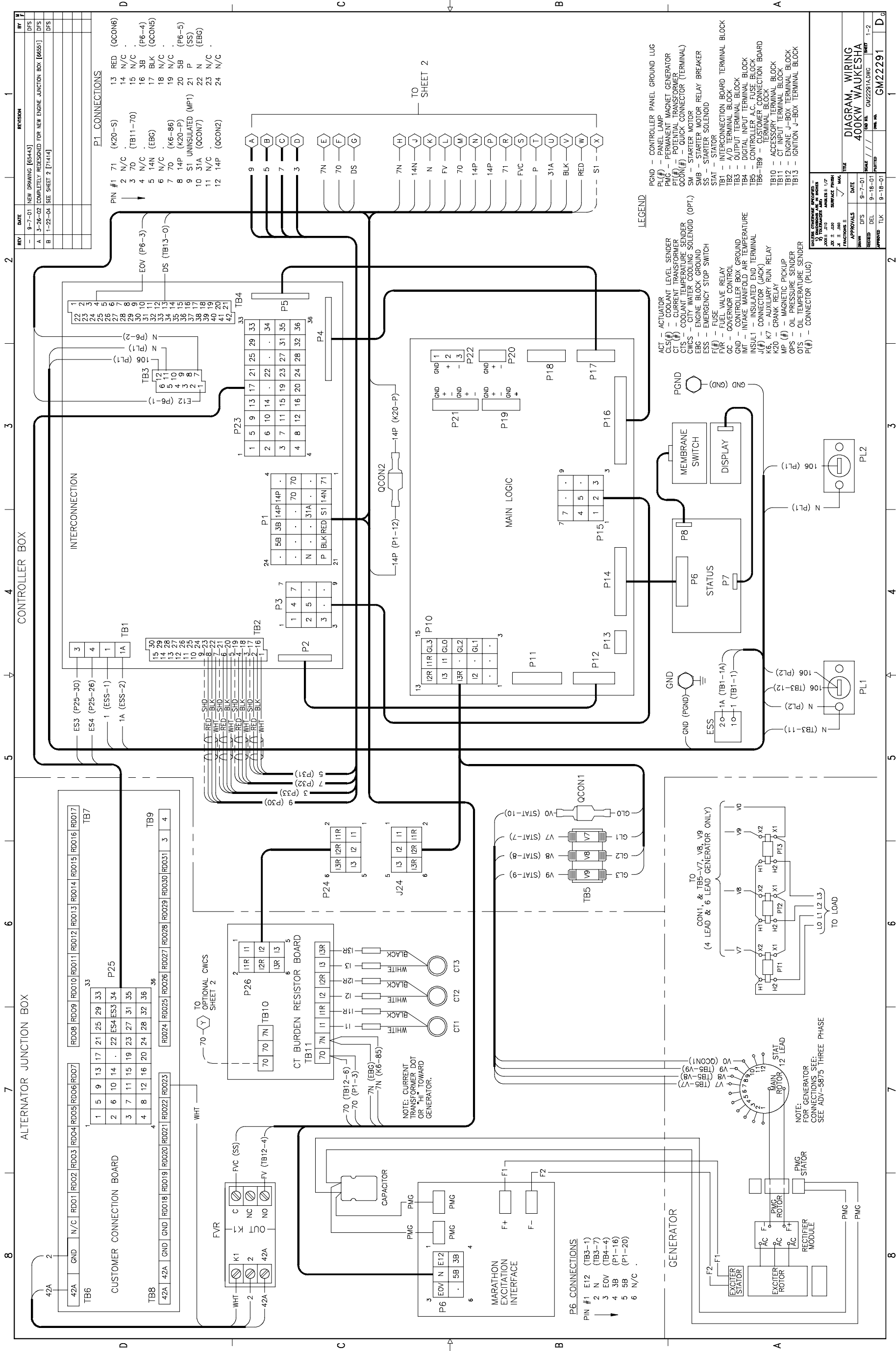


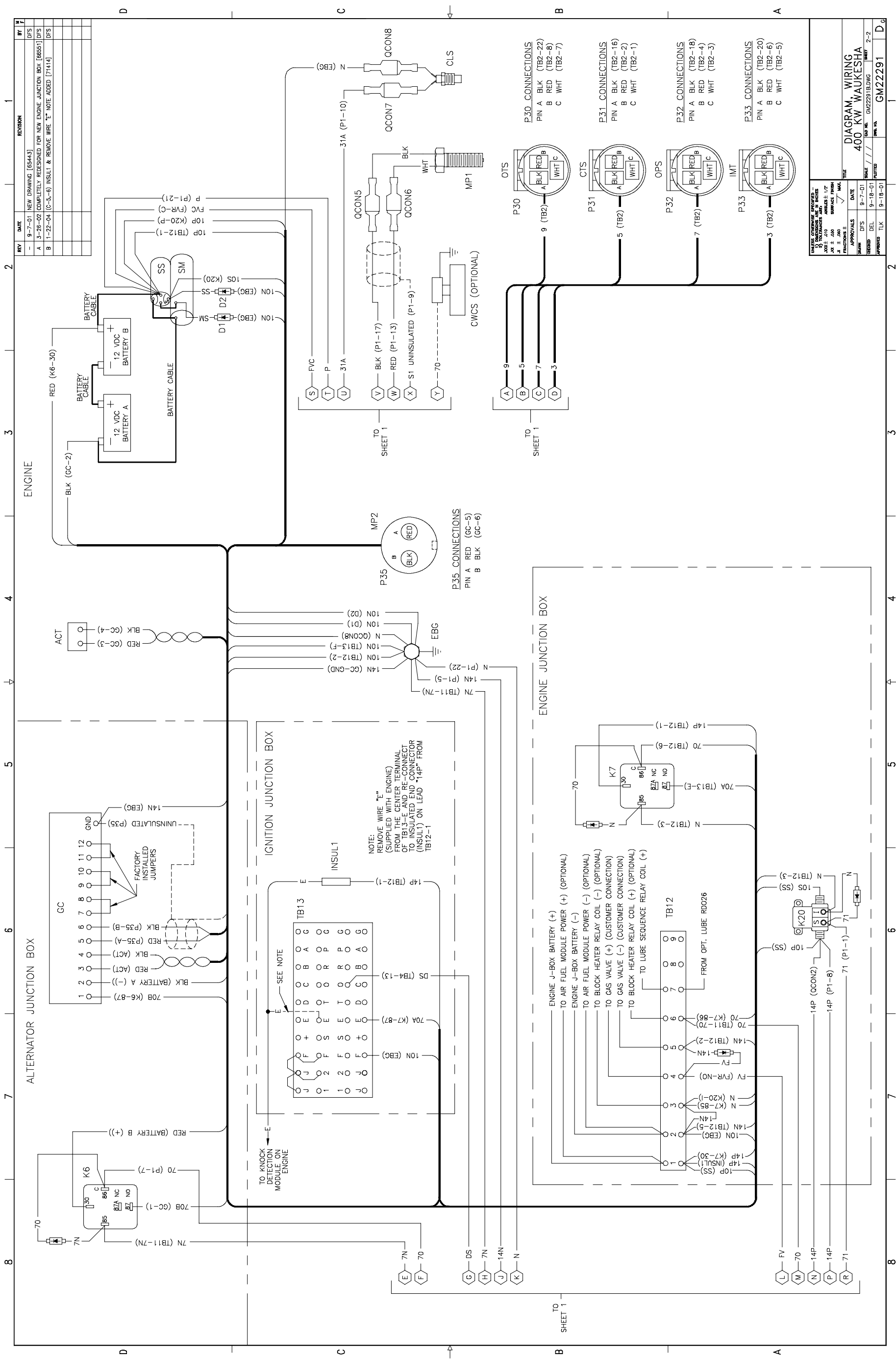


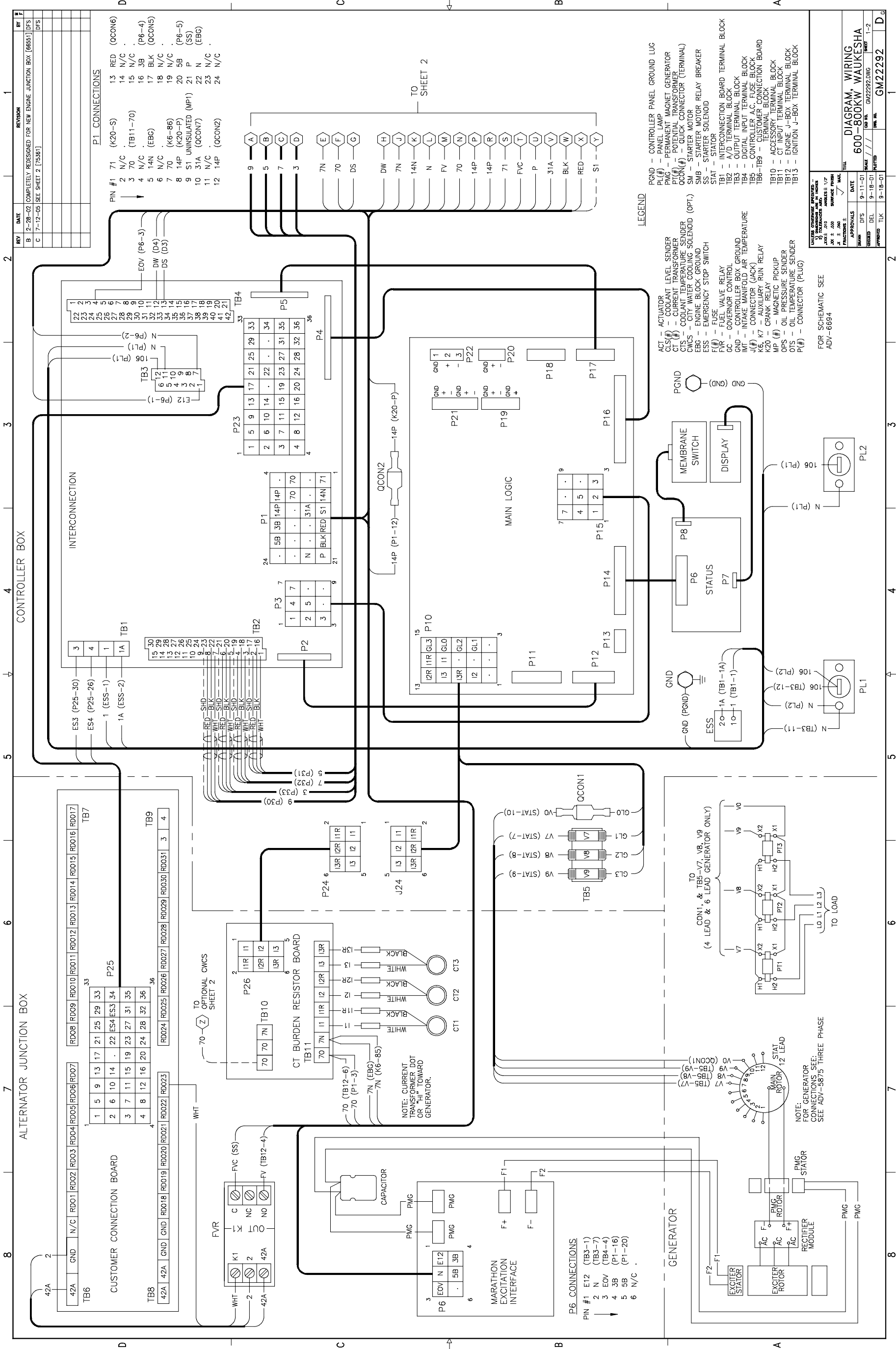


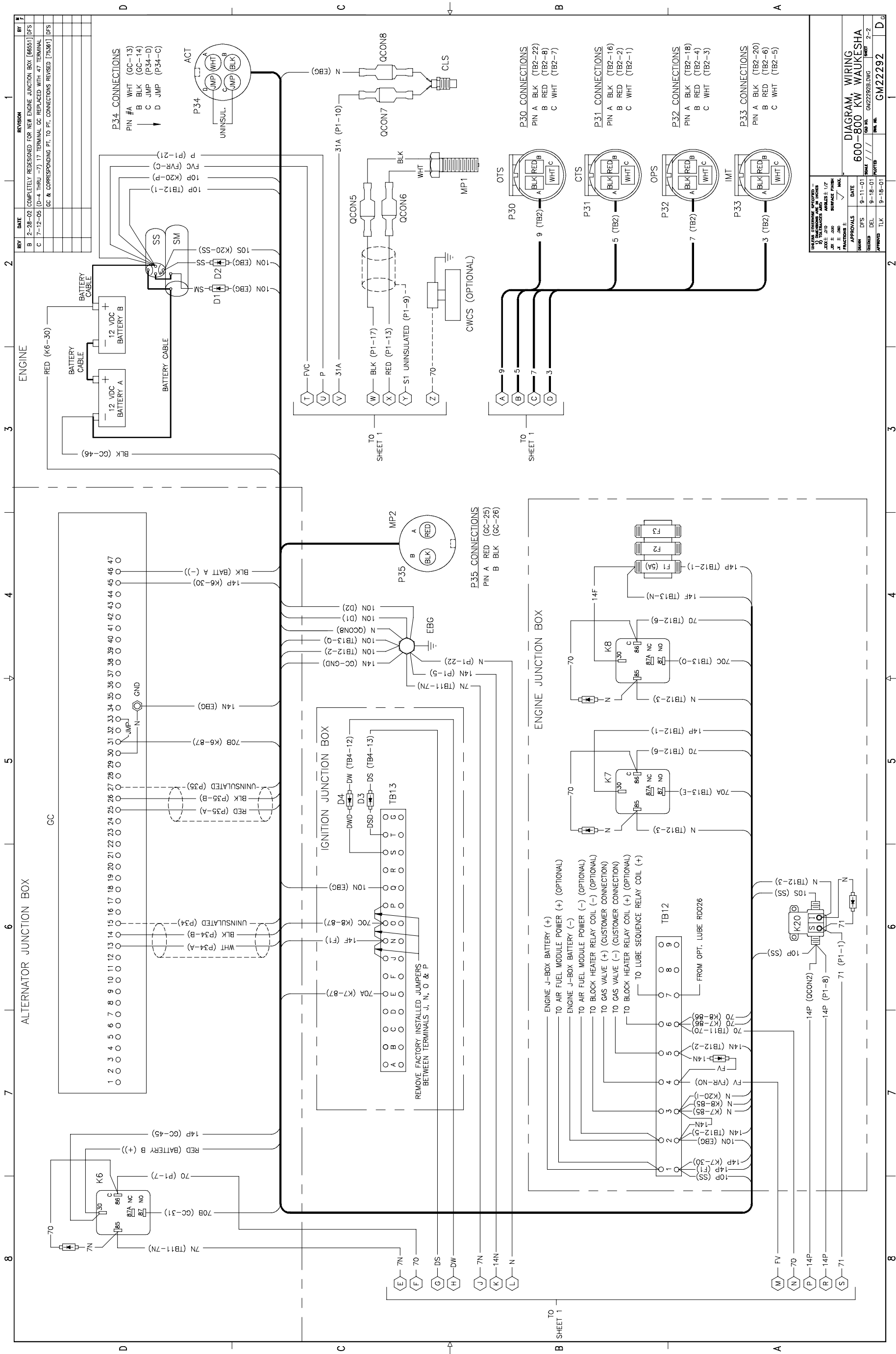


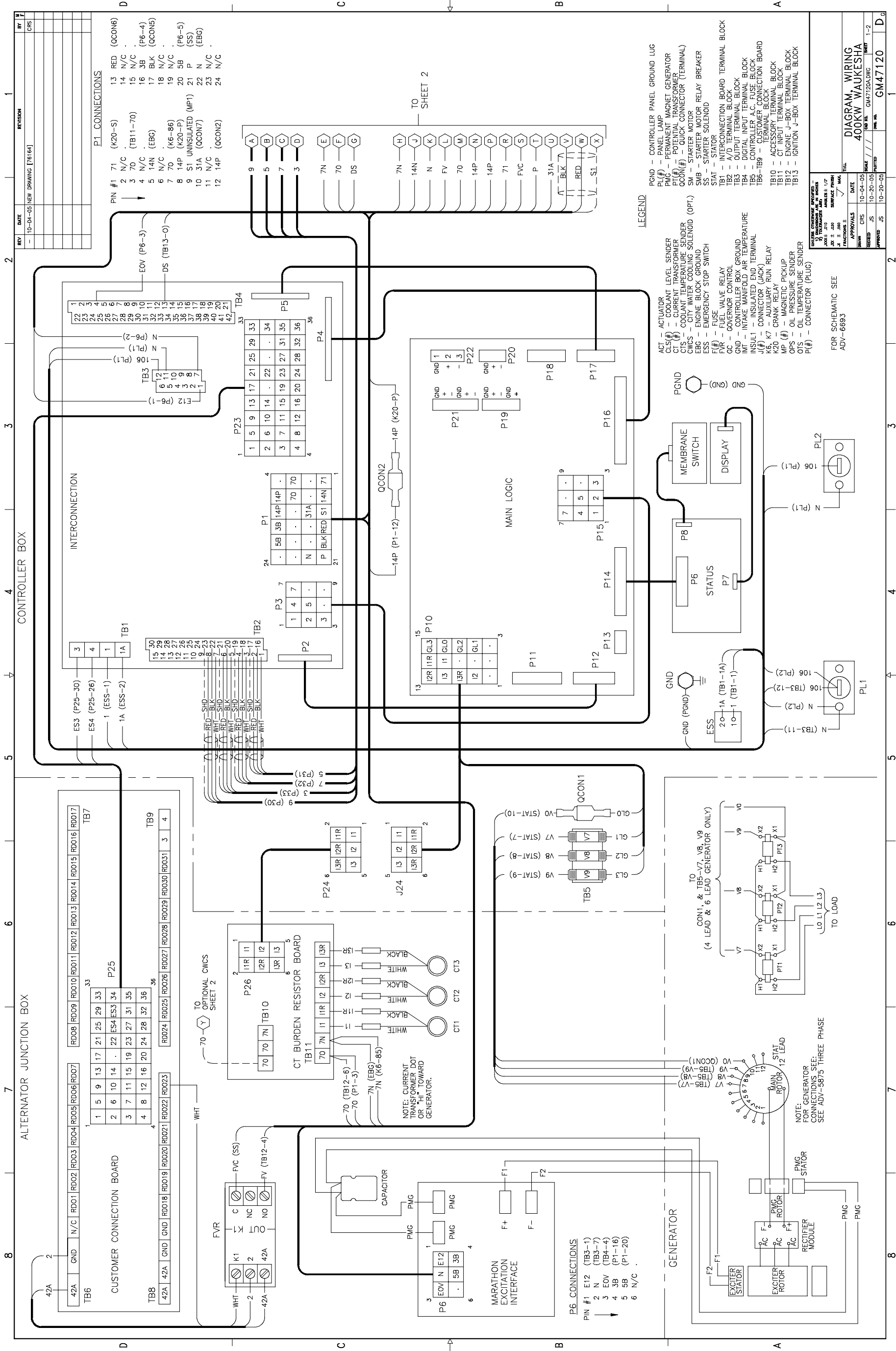












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