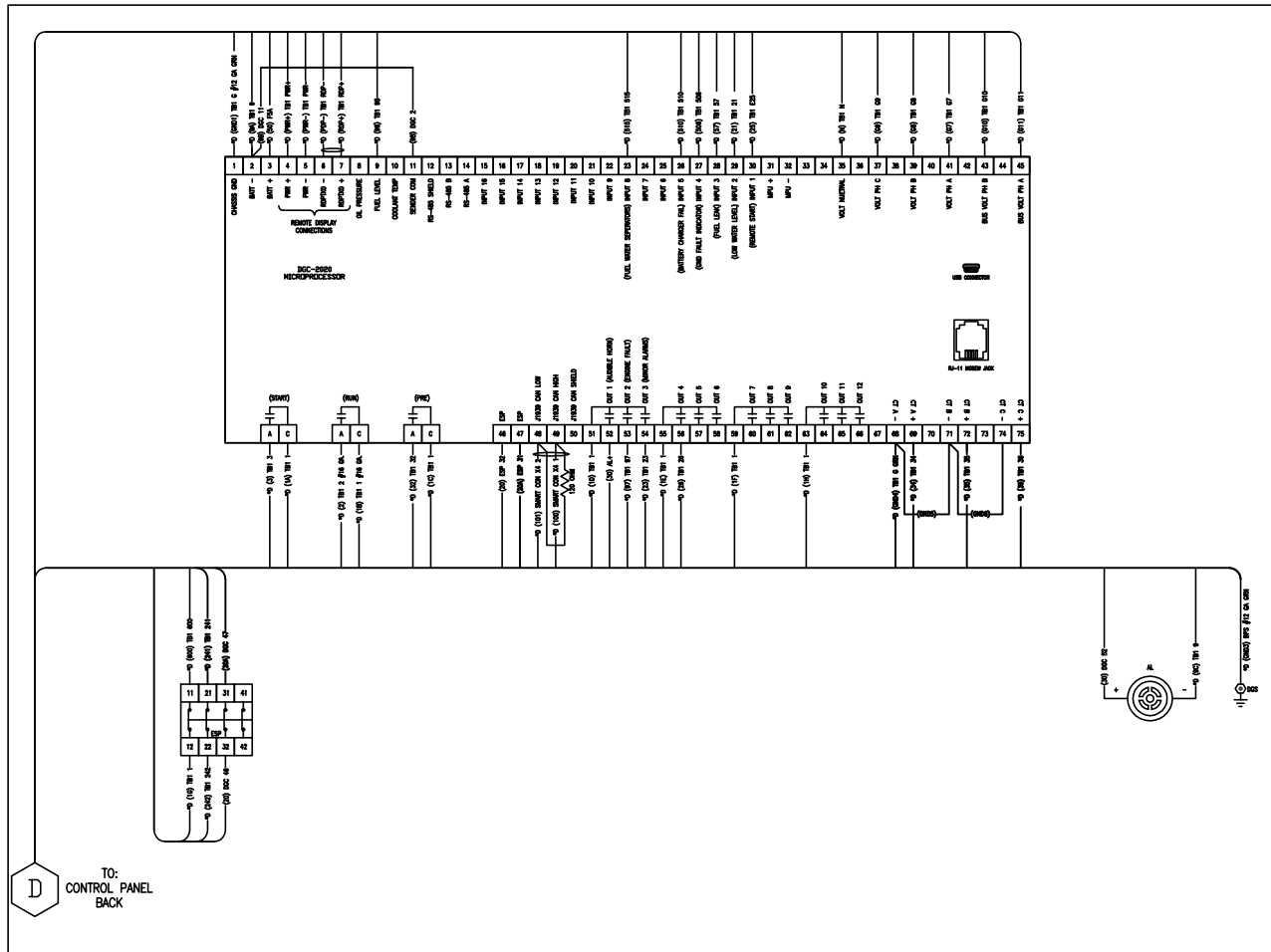

LEGEND:

AEM	ANALOG EXPANSION MODULE
AL	ALARM BUZZER
BPS	BACK PANEL STUD
CEM	CONTACT EXPANSION MODULE
DGC	DIGITAL GENSET CONTROLLER
ECUS	ENGINE CONTROL UNIT STUD
ESP	EMERGENCY STOP BUTTON
F6-10	FUSES 10 AMP
F3A	FUSE 3 AMP
GF	GROUND FAULT
GOS	GOVERNOR SPEED ADJUST
LSM	LOAD SHARE MODULE
R1-3	RESISTOR 120 OHM 2% W
VAT	VOLTAGE ADJUST TOGGLE
TB1	TERMINAL BOARD 1 (CONTROL PANEL)

NOTES:

1. WIRE NUMBERS ARE IN PARENTHESIS.
2. WIRING IS #20 GA. UNLESS OTHERWISE SPECIFIED.
3. CONTROL PANEL WIRING IS #14 GA. UNLESS OTHERWISE SPECIFIED.
4. SHORT DASHED LINES (———) INDICATE OPTIONAL EQUIPMENTS WIRING.
5. TOP NUMBER INDICATES TOP DECK, BOTTOM NUMBER INDICATES BOTTOM DECK.

*X	DRAWING DESTINATION
XX	WIRE NUMBER
XXX	DESTINATION
X	DESTINATION TERMINAL

REV	REVISION DESCRIPTION	DATE	BY

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SPECIAL NOTE TO MINIMIZE ANY ELECTRICAL NOISE BEING INTRODUCED INTO THE ENGINE CONTROLLER, CONTROL WIRING AND AC POWER LINES NEED TO BE RUN IN SEPARATE CONDUITS.	ENGINE: MTU SERIES 1600
	GENERATOR: 4/6/10/12 WIRE
	REGULATOR: DVR2000E
	CONTROL PANEL: DGC-2020
	VOLTAGE: ??? VAC 3ø
	GOVERNOR: ADEC ECU 8

PANEL DOOR DRAWING

DATE: 11-29-11	DRAWING SIZE: B-SIZE
DRAWN BY: DAW	SHEET: 1 OF 1

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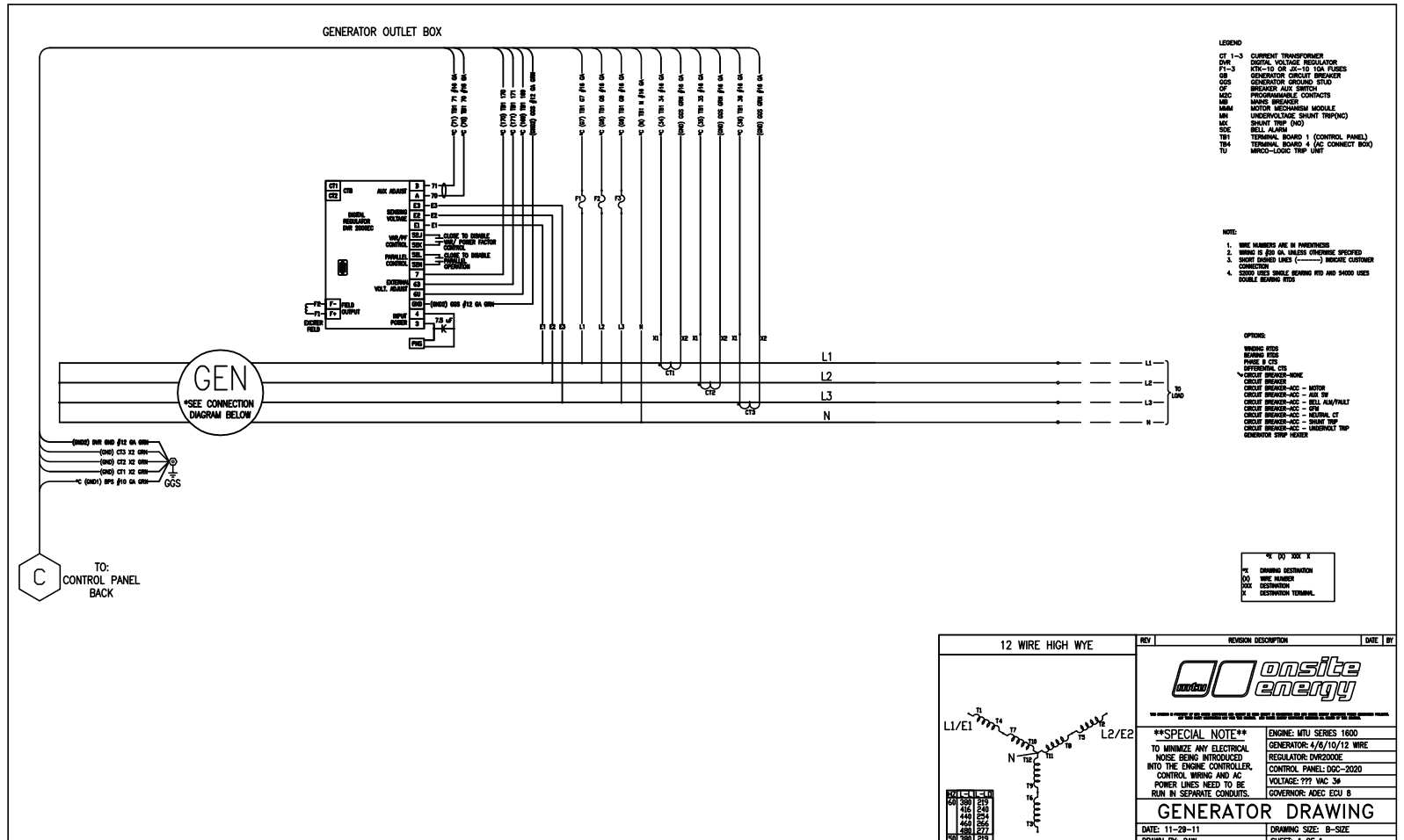

LEGEND

CT 1-3	CURRENT TRANSFORMER
DVR	DIGITAL VOLTAGE REGULATOR
F1-3	630-A, 700 VAC, 50K AIC FUSES
GCS	GENERATOR CONTROL STUD
GOS	GENERATOR GROUND STUD
GF	BREAKER AUX SWITCH
MDC	PROGRAMMABLE CONTACTS
MB	MAINS BREAKER
MMM	MOTOR MECHANISM MODULE
MX	UNDERVOLTAGE SHUNT TRIP(NC)
MN	UNDERVOLTAGE SHUNT TRIP(NO)
SOC	BELL ALARM
SOC	BELL ALARM
TB1	TERMINAL BOARD 1 (CONTROL PANEL)
TB4	TERMINAL BOARD 4 (AC CONNECT BOX)
TU	MIRCO-LOGIC TRIP UNIT

NOTE:

1. WIRE NUMBERS ARE IN PARENTHESIS.
2. WIRING IS #20 GA. UNLESS OTHERWISE SPECIFIED.
3. SHORT DASHED LINES (———) INDICATE CUSTOMER CONNECTION
4. 50000 USES SINGLE BEARING RTD AND 54000 USES DOUBLE BEARING RTDS

OPTIONS:

WINDING RTDS
BEARING RTDS
PANEL & CTS
PANEL & CTS
DIFFERENTIAL CTS
CIRCUIT BREAKER-NONE
CIRCUIT BREAKER
CIRCUIT BREAKER-ACC - MOTOR
CIRCUIT BREAKER-ACC - AUX SW
CIRCUIT BREAKER-ACC - BELL ALM/FAULT
CIRCUIT BREAKER-ACC - GFW
CIRCUIT BREAKER-ACC - NEUTRAL CT
CIRCUIT BREAKER-ACC - SHUNT TRIP
CIRCUIT BREAKER-ACC - UNDERVOLTAGE TRIP
GENERATOR STRIP HEATER

*X	DRAWING DESTINATION
XX	WIRE NUMBER
XXX	DESTINATION
X	DESTINATION TERMINAL

REV	REVISION DESCRIPTION	DATE	BY

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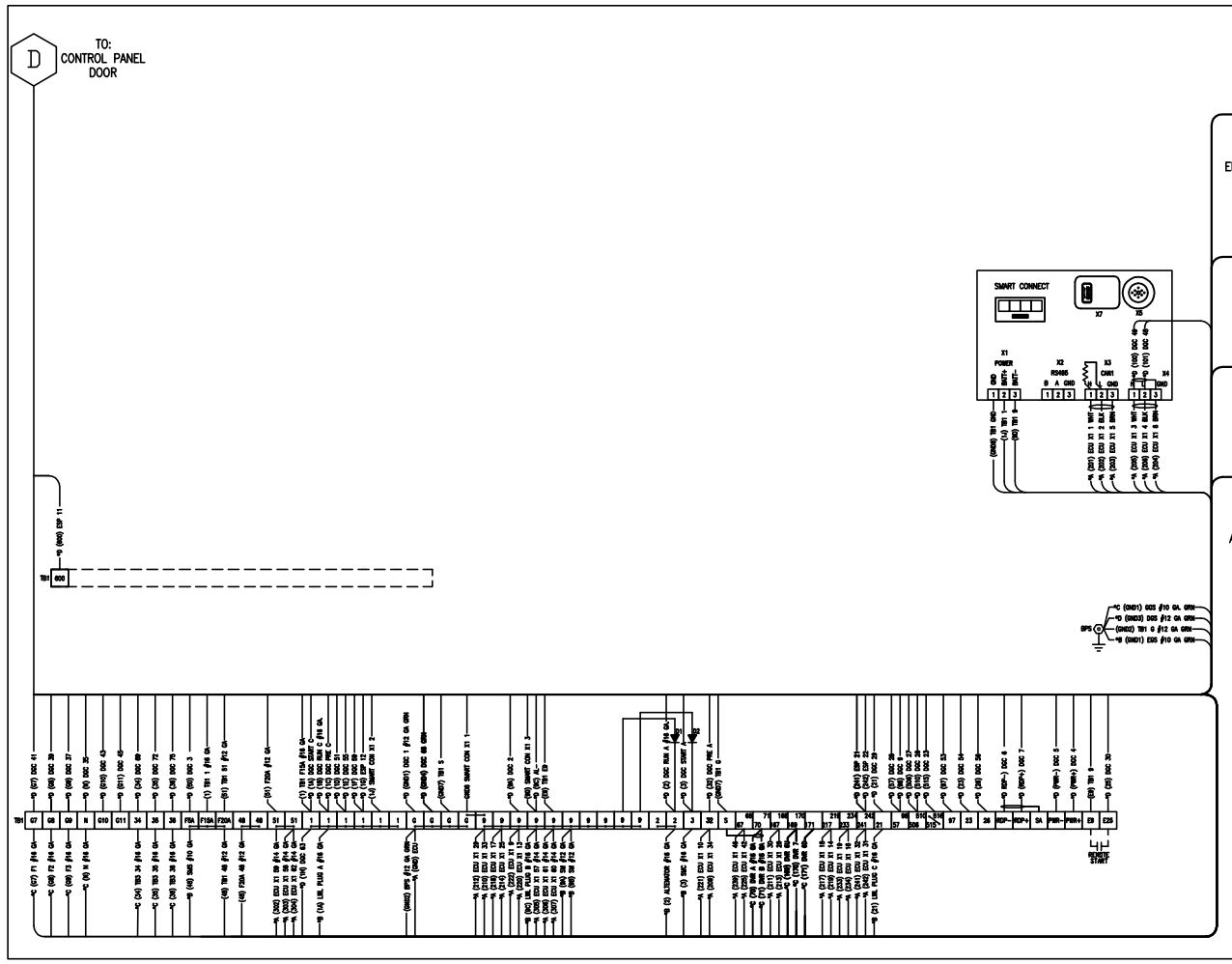
SPECIAL NOTE TO MINIMIZE ANY ELECTRICAL NOISE BEING INTRODUCED INTO THE ENGINE CONTROLLER, CONTROL WIRING AND AC POWER LINES NEED TO BE RUN IN SEPARATE CONDUITS.	ENGINE: MTU SERIES 1600
	GENERATOR: 4/6/10/12 WIRE
	REGULATOR: DVR2000E
	CONTROL PANEL: DGC-2020
	VOLTAGE: ??? VAC 3ø
	GOVERNOR: ADEC ECU 8

GENERATOR DRAWING

DATE: 11-29-11	DRAWING SIZE: B-SIZE
DRAWN BY: DAW	SHEET: 1 OF 1

816-Q-XXXXXX-G



LEGEND:

AEM	ANALOG EXPANSION MODULE
AL	ALARM BUZZER
ALT	ALARM ALTERNATOR
BC	BATTERY CHARGER
BPS	BACK PANEL STUD
CBAB	CAN BRIDGE
CEM	CONTACT EXPANSION MODULE
DGC	DIGITAL GENSET CONTROLLER
DVR	DIGITAL VOLTAGE REGULATOR
EVR	EXCITER VOLTAGE REGULATOR
ECUS	ENGINE CONTROL UNIT STUD
ESP	EMERGENCY STOP BUTTON
F6-10	FUSES 10 AMP
F3A	FUSE 3 AMP
F15A	FUSE 15 AMP
F20A	FUSE 20 AMP
FLGS	FUEL LEVEL GAUGE SENDER
FLS	FUEL LEVEL SWITCH
FRS	FUEL WATER SEPARATOR
GB	GENERATOR BREAKER
GF	GROUND FAULT
GCS	GENERATOR CONTROL STUD
GOS	GOVERNOR SPEED ADJUST
LSM	LOAD SHARE MODULE
MMM	MOTOR MECHANISM MODULE
MN	UNDERVOLTAGE SHUNT TRIP(NO)
MX	SHUNT TRIP (NC)
OF	BREAKER AUX SWITCH
R1-3	RESISTOR 120 OHM 2% W
SM	STARTER MOTOR
SMC	STARTER MOTOR COIL
TB1	TERMINAL BOARD 1 (CONTROL PANEL)
TB4	TERMINAL BOARD 4 (AC CONNECT BOX)
TU	MIRCO-LOGIC TRIP UNIT
VAT	VOLTAGE ADJUST TOGGLE
WS	WATER SENSOR

NOTES:

1. WIRE NUMBERS ARE IN PARENTHESIS.
2. WIRING IS #20 GA. UNLESS OTHERWISE SPECIFIED.
3. CONTROL PANEL WIRING IS #14 GA. UNLESS OTHERWISE SPECIFIED.
4. SHORT DASHED LINES (———) INDICATE OPTIONAL EQUIPMENTS WIRING.
5. TOP NUMBER INDICATES TOP DECK, BOTTOM NUMBER INDICATES BOTTOM DECK.

OPTIONS:

VERSION 2-3
VERSION 4
WINDING RTDS
BEARING RTDS
CIRCUIT BREAKER-ACC - MOTOR
CIRCUIT BREAKER-ACC - AUX SW
CIRCUIT BREAKER-ACC - BELL ALM/FAULT
CIRCUIT BREAKER-ACC - GFW
CIRCUIT BREAKER-ACC - SHUNT TRIP
CIRCUIT BREAKER-ACC - UNDERVOLTAGE TRIP
ASW
ASW
CEM
FUEL TANK (FLGS & FLS)

*X	DRAWING DESTINATION
XX	WIRE NUMBER
XXX	DESTINATION
X	DESTINATION TERMINAL

REV	REVISION DESCRIPTION	DATE	BY

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SPECIAL NOTE TO MINIMIZE ANY ELECTRICAL NOISE BEING INTRODUCED INTO THE ENGINE CONTROLLER, CONTROL WIRING AND AC POWER LINES NEED TO BE RUN IN SEPARATE CONDUITS.	ENGINE: MTU SERIES 1600
	GENERATOR: 4/6/10/12 WIRE
	REGULATOR: DVR2000E
	CONTROL PANEL: DGC-2020
	VOLTAGE: ??? VAC 3ø
	GOVERNOR: ADEC ECU 8

PANEL BACK DRAWING

DATE: 11-29-11	DRAWING SIZE: B-SIZE
DRAWN BY: DAW	SHEET: 1 OF 1

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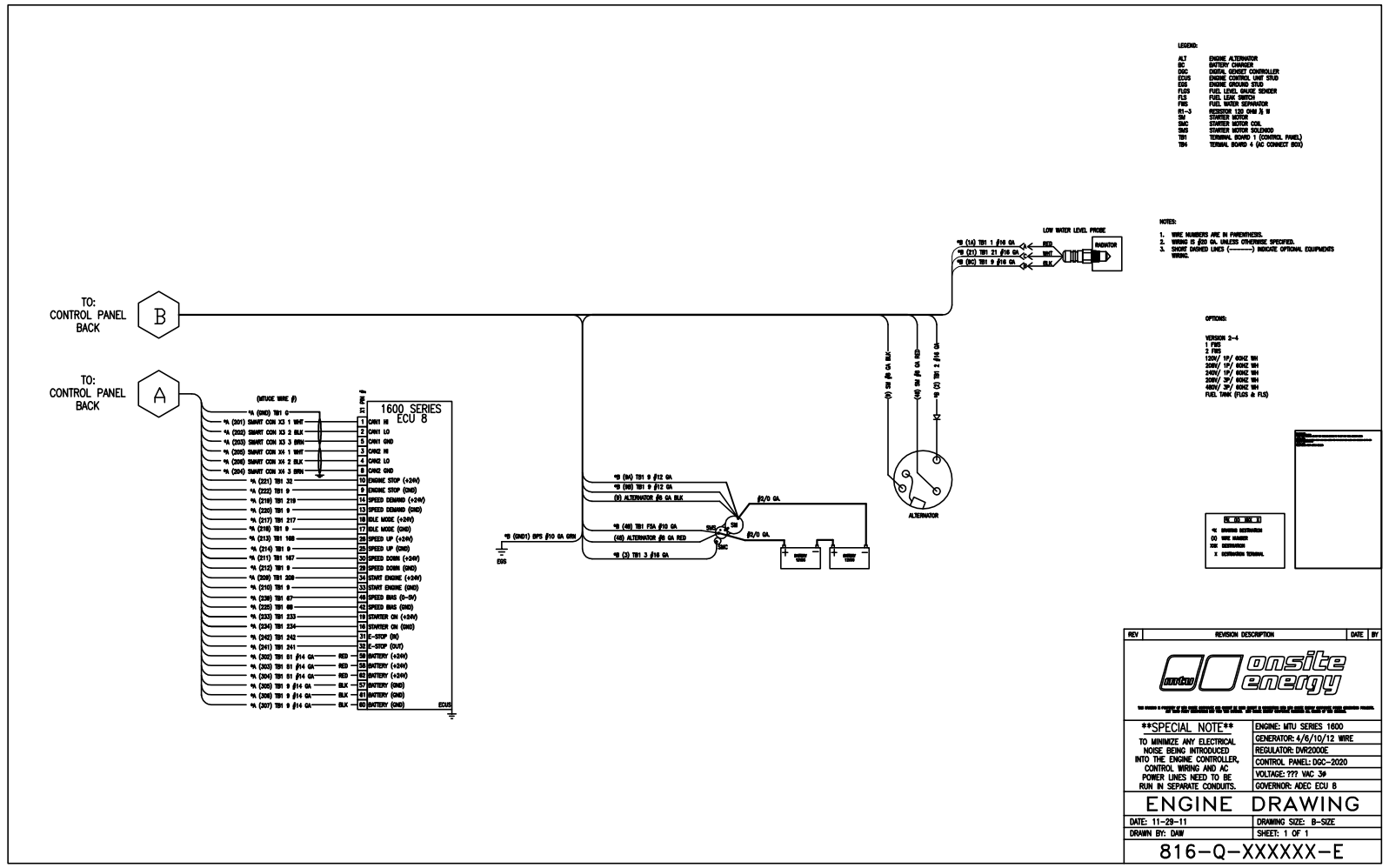

LEGEND:

ALT	ENGINE ALTERNATOR
BC	BATTERY CHARGER
DGC	DIGITAL GENSET CONTROLLER
ECUS	ENGINE CONTROL UNIT STUD
ESP	ENGINE GROUND STUD
FLGS	FUEL LEVEL GAUGE SENDER
FLS	FUEL LEVEL SWITCH
FRS	FUEL WATER SEPARATOR
R1-3	RESISTOR 120 OHM 2% W
SM	STARTER MOTOR
SMC	STARTER MOTOR COIL
SMS	STARTER MOTOR SOLENOID
TB1	TERMINAL BOARD 1 (CONTROL PANEL)
TB4	TERMINAL BOARD 4 (AC CONNECT BOX)

NOTES:

1. WIRE NUMBERS ARE IN PARENTHESIS.
2. WIRING IS #20 GA. UNLESS OTHERWISE SPECIFIED.
3. SHORT DASHED LINES (———) INDICATE OPTIONAL EQUIPMENTS WIRING.

OPTIONS:

VERSION 3-4
1 PHS
2 PHS
120V/ 1Ø/ 60HZ 1Ø1
208V/ 1Ø/ 60HZ 1Ø1
240V/ 1Ø/ 60HZ 1Ø1
208V/ 3Ø/ 60HZ 1Ø1
480V/ 3Ø/ 60HZ 1Ø1
FUEL TANK (FLGS & FLS)

*X	DRAWING DESTINATION
XX	WIRE NUMBER
XXX	DESTINATION
X	DESTINATION TERMINAL

REV	REVISION DESCRIPTION	DATE	BY

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SPECIAL NOTE TO MINIMIZE ANY ELECTRICAL NOISE BEING INTRODUCED INTO THE ENGINE CONTROLLER, CONTROL WIRING AND AC POWER LINES NEED TO BE RUN IN SEPARATE CONDUITS.	ENGINE: MTU SERIES 1600
	GENERATOR: 4/6/10/12 WIRE
	REGULATOR: DVR2000E
	CONTROL PANEL: DGC-2020
	VOLTAGE: ??? VAC 3ø
	GOVERNOR: ADEC ECU 8

ENGINE DRAWING

DATE: 11-29-11	DRAWING SIZE: B-SIZE
DRAWN BY: DAW	SHEET: 1 OF 1

816-Q-XXXXXX-E