

## LEGEND

ALT - DC CHARGE ALTERNATOR  
 AS - ALTERNATOR STATOR  
 BA - BRUSH ASSEMBLY  
 BAT - BATTERY  
 BCH - BATTERY CHARGER  
 CAM - CAMSHAFT SENSOR  
 CAR - COMMON ALARM RELAY  
 COP1 - CROSSOVER PLUG 16-PIN (BULKHEAD)  
 COP2 - CROSSOVER PLUG 12-PIN (BULKHEAD)  
 COP3 - CROSSOVER PLUG 10-PIN (BULKHEAD)  
 COR1 - CROSSOVER RECEPTACLE 16-PIN  
 COR2 - CROSSOVER RECEPTACLE 12-PIN  
 COR3 - CROSSOVER RECEPTACLE 10-PIN  
 CYL - CYLINDER IGNITION COIL  
 DB - DIODE BRIDGE  
 DCVR - DC VOLTAGE REGULATOR  
 ES - EMERGENCY STOP  
 F - FUSE  
 FS - FUEL SOLENOID

FSP - FUEL SOLENOID PLUG  
 FSR - FUEL SOLENOID RECEPTACLE  
 GA - GOVERNOR ACTUATOR  
 GND - GROUND CONNECTION  
 J - MAIN CONTROLLER CONNECTORS  
 LFP - LOW FUEL PRESSURE SWITCH  
 LOS - LOW OIL PRESSURE SWITCH  
 MLCB - MAIN LINE CIRCUIT BREAKER  
 MPU - MAGNETIC PICKUP  
 NB - NEUTRAL BLOCK  
 RLY - CONTROL RELAY  
 R - RESISTOR  
 SC - STARTER CONTACTOR  
 SM - STARTER MOTOR  
 TB - TERMINAL BLOCK  
 THMS - THERMISTOR (BATTERY AMBIENT TEMP.)  
 WLS - COOLANT LEVEL SENSOR  
 WTS - COOLANT TEMPERATURE SENSOR

NOTE: ALL WIRES 18 AWG  
 BLACK 300V UL LISTED  
 UNLESS SHOWN OTHERWISE

12 AWG SIZE

3  
 SPLICE  
 NUMBER  
 OR LETTER

## COMPONENTS LOCATED IN CUSTOMER CONNECTION BOX LOW VOLTAGE CONNECTIONS

NOTE: ALL WIRES ON THIS  
 PAGE ARE 600V RATED

### 60HZ/50HZ

#### CAR

J1-8 - 209/210  
 J1-15 - COMMON ALARM

#### ES

J1-9 - 14/14A (ORANGE)  
 SPLICE E -  
 J1-3 - 56/56A (WHITE)  
 COP1-7 - E-STOP  
 J2-8 - 395/396 (BLACK)  
 J2-4 -

X TB3 Y  
 J1-14 - 178  
 J1-5 - 183  
 J1-7 - 23  
 J1-6 - 194  
 178  
 183  
 23  
 194  
 REMOTE START OPTION  
 TRANSFER RELAY COIL  
 TRANSFER RELAY

CUSTOMER CONNECTIONS

## COMPONENTS LOCATED IN CUSTOMER CONNECTION BOX HIGH VOLTAGE CONNECTIONS

### 60HZ UNITS

X TB2 Y  
 BCH2-2 - NEU  
 BCH2-1 - T1  
 J4-6 - N2  
 J4-3 - N1  
 NEU  
 T1  
 N2  
 N1  
 FUSED 120VAC  
 SOURCE FOR  
 BATTERY CHARGER  
 UTILITY FROM  
 TRANSFER SWITCH

### 50HZ (M-VOLTAGE, 110/220VAC & R-VOLTAGE, 231/400VAC)

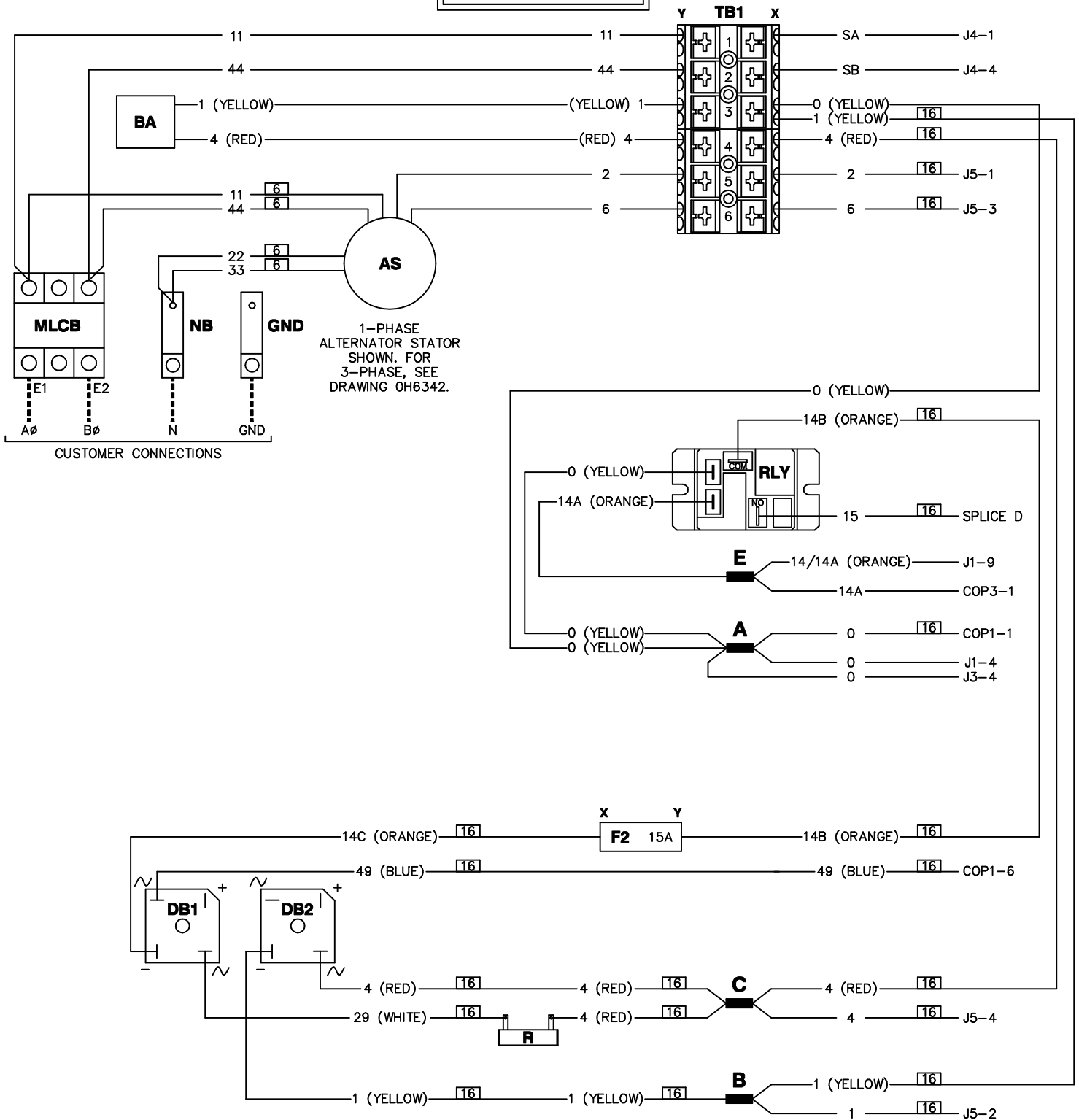
X TB2 Y  
 BCH2-2 - NEU  
 BCH2-1 - T1  
 J4-6 - N2  
 J4-3 - N1  
 N2  
 N1  
 N2  
 N1  
 FUSED 220VAC(M) OR  
 200VAC(R) SOURCE FOR  
 BATTERY CHARGER  
 (PRE-CONNECTED WITH  
 JUMPERS AS SHOWN)  
 UTILITY FROM  
 TRANSFER SWITCH

240VAC MAX

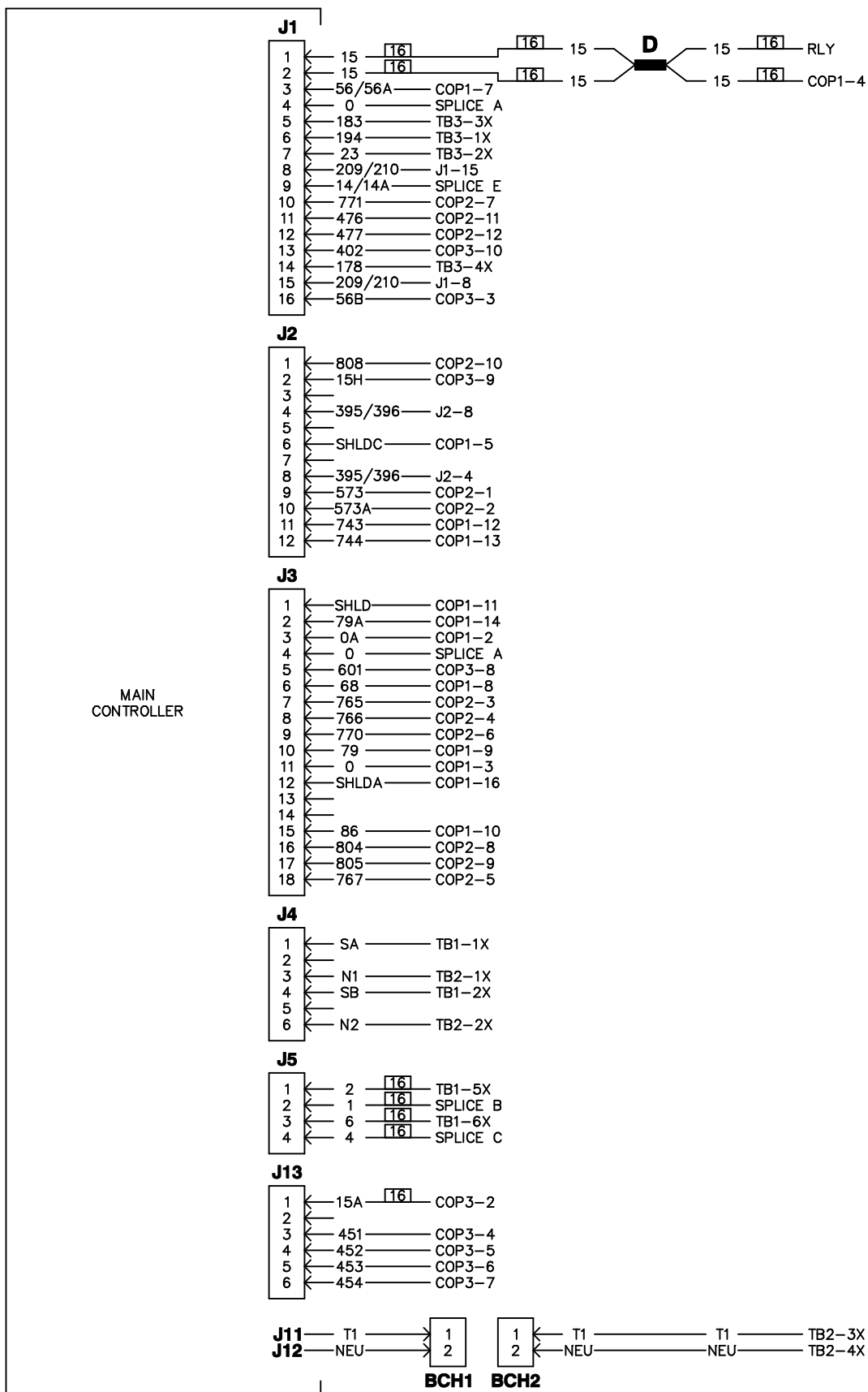
CUSTOMER CONNECTIONS

NOTE:  
 FOR FIELD WIRING TO CUSTOMER CONNECTIONS  
 (TERMINAL BLOCKS)  
 MAXIMUM WIRE SIZE: #12 AWG

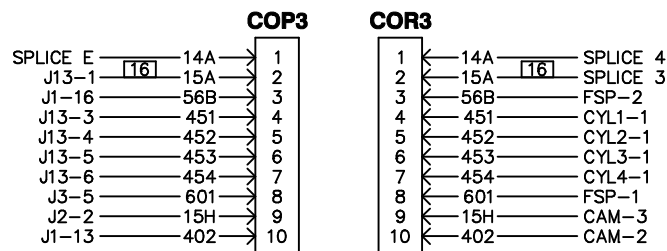
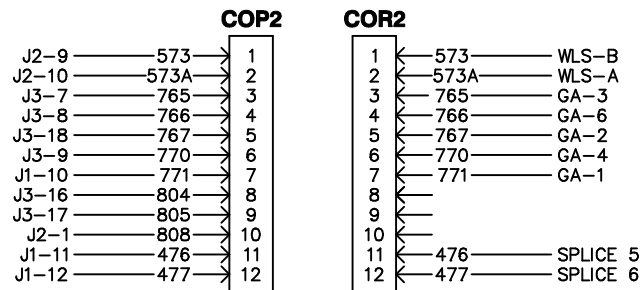
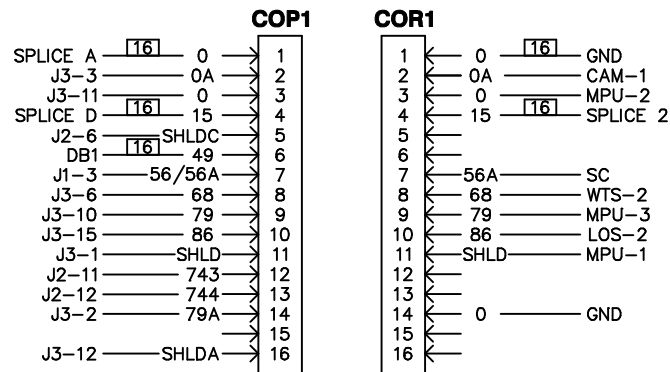
NOTE: ALL WIRES ON THIS  
PAGE ARE 600V RATED  
EXCEPT FOR THOSE AT COR1  
& COR2



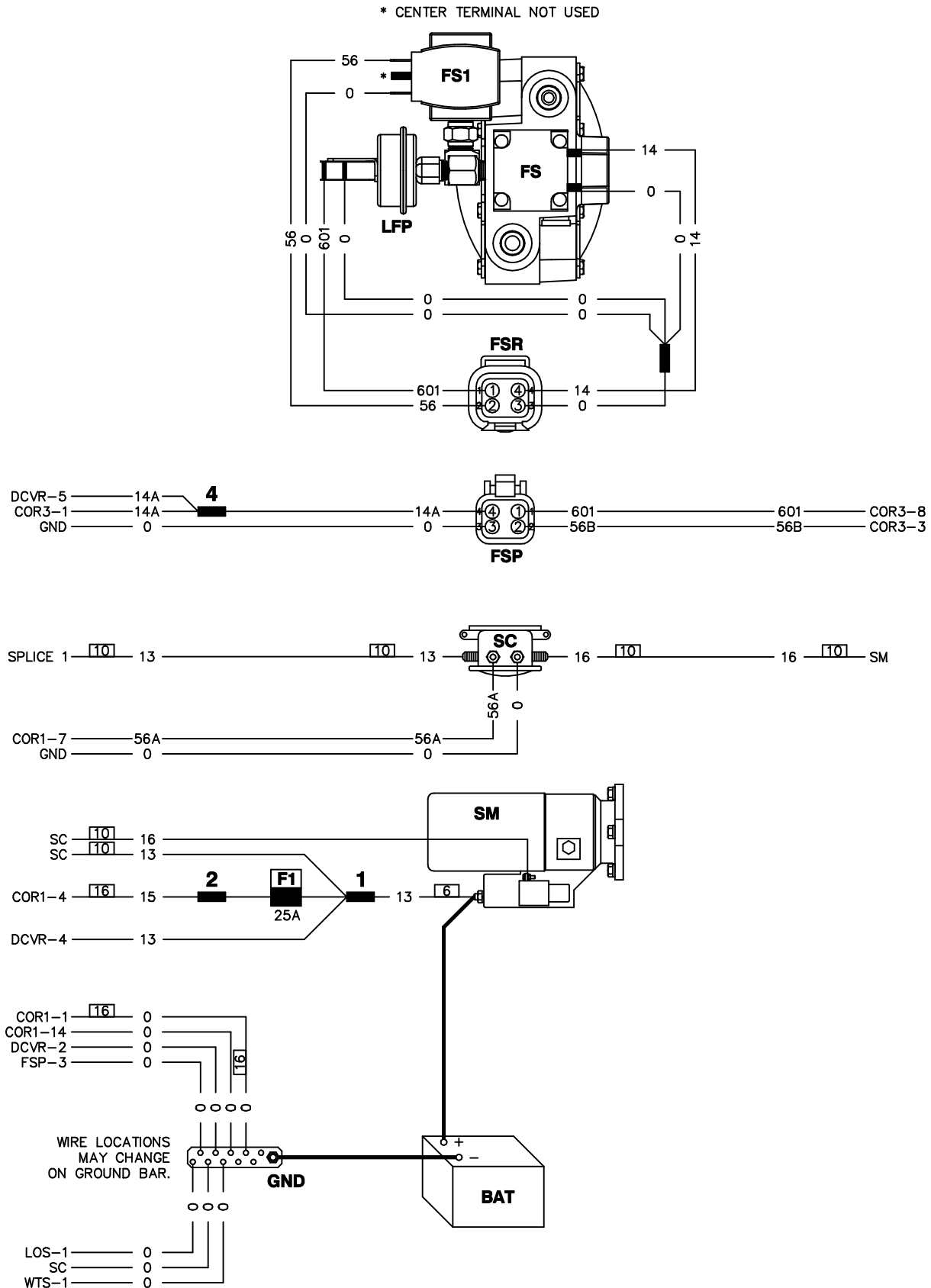
## COMPONENTS LOCATED IN CONTROL PANEL



# COMPONENTS LOCATED IN CUSTOMER CONNECTION BOX & ON ENGINE BULKHEAD CROSSOVER CONNECTIONS



## COMPONENTS LOCATED ON ENGINE



## COMPONENTS LOCATED ON ENGINE

