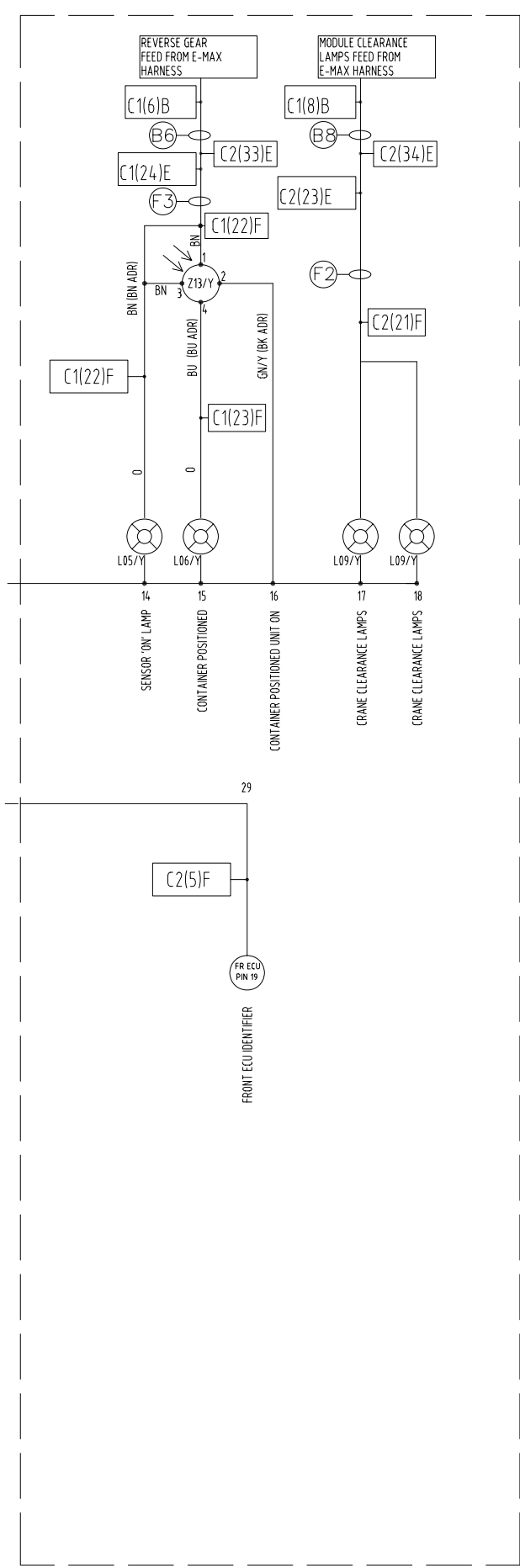
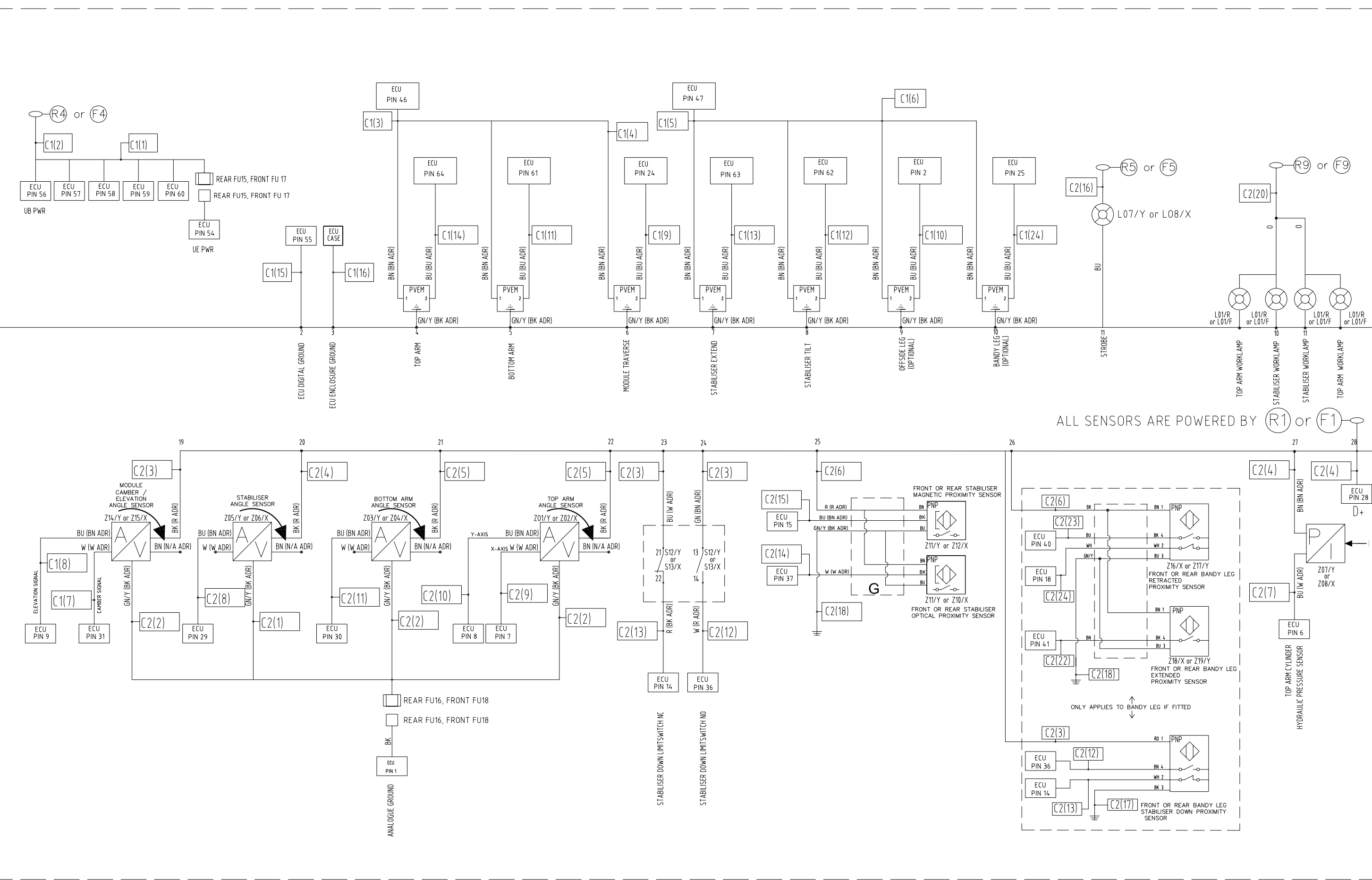
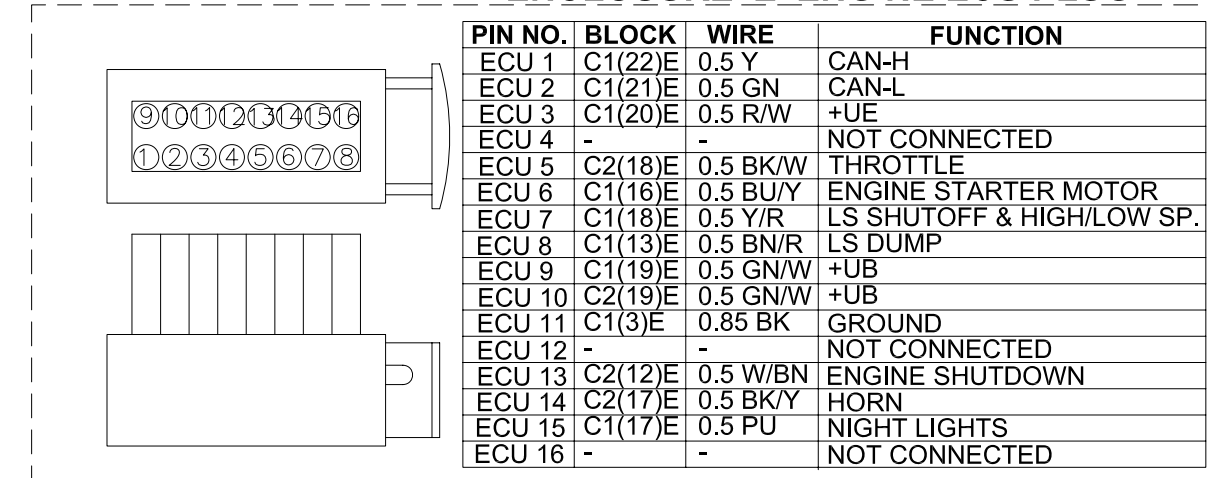
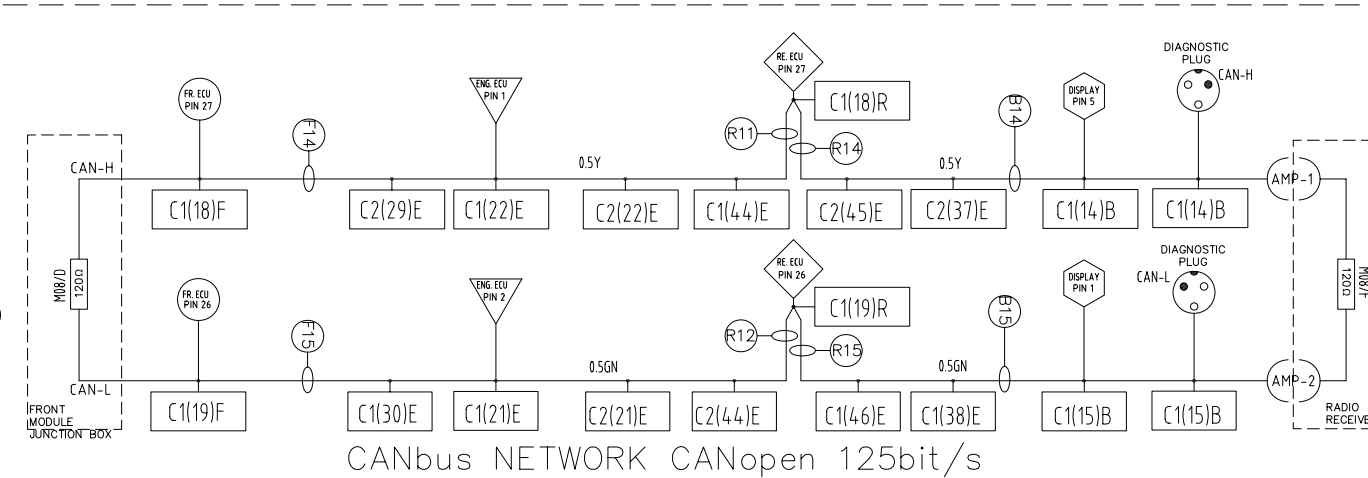
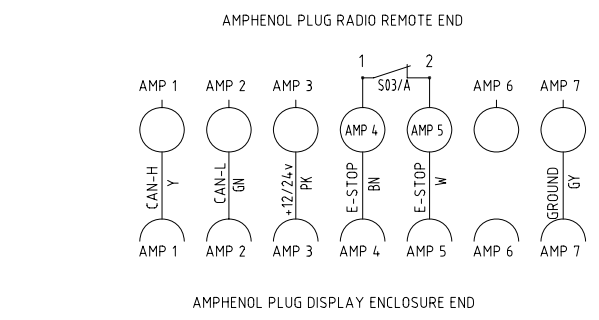
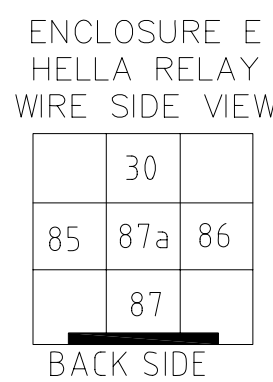




CONNECTOR BLOCK CODE

BLOCK (NUMBER) / **LOCATION**

eg C(12)E

COLOUR	ABBREVIATION	SYMBOL
RED	R	
WHITE	W	
PURPLE	PU	
YELLOW	Y	
BROWN	BN	
BLUE	BU	
BLACK	BK	
GREY	GY	
GREEN	GN	
PINK	PK	
ORANGE	O	

 FUSE INPUT
 FUSE OUTPUT

LAMPS

- L01 - WORKLAMP
- L02 - ENGINE GLOW PLUG LAMP (AMBER)
- L03 - E-STOP CIRCUIT LAMP (GREEN)
- L04 - SMARTLIFT WARNING LED RED
- L05 - CONTAINER POSITION SENSOR-ON LAMP
- L06 - CONTAINER POSITION LAMP
- L07 - FRONT BEACON STROBE (OPTIONAL)
- L08 - REAR BEACON STROBE (OPTIONAL)
- L09 - CLEARANCE LAMP (CRANE)

SENSORS

201	----- FRONT TOP ARM ANGLE SENSOR
202	----- REAR TOP ARM ANGLE SENSOR
203	----- FRONT BOTTOM ARM ANGLE SENSOR
204	----- REAR BOTTOM ARM ANGLE SENSOR
205	----- FRONT STABILISER ANGLE SENSOR
206	----- REAR STABILISER ANGLE SENSOR
207	----- FRONT TOP ARM CYLINDER PRESSURE SENSOR
208	----- REAR TOP ARM CYLINDER PRESSURE SENSOR
209	----- FRONT OPTICAL SENSOR (STABILISER EXTENSION)
210	----- FRONT OPTICAL SENSOR (STABILISER EXTENSION)
211	----- FRONT MAGNETIC SENSOR (STABILISER EXTENSION)
212	----- REAR MAGNETIC SENSOR (STABILISER EXTENSION)
213	----- FRONT OPTICAL CONTAINER DETECTION SENSOR
214	----- FRONT MODULE CAMERA ELEVATION ANGLE SENSOR
215	----- REAR MODULE CAMERA ELEVATION ANGLE SENSOR
216	----- REAR BANDY LEG RETRACTED PROXIMITY SENSOR
217	----- FRONT BANDY LEG RETRACTED PROXIMITY SENSOR
218	----- REAR BANDY LEG EXTENDED PROXIMITY SENSOR
219	----- FRONT BANDY LEG EXTENDED PROXIMITY SENSOR

SWITCHES

S01	CHASSIS, FRONT E-STOP BUTTON
S02	START KEY ENCLOSURE E-STOP BUTTON
S03	PENDANT E-STOP BUTTON
S04	VOLTMETER TOGGLE SWITCH
S05	ENGINE OIL PRESSURE SWITCH
S06	ENGINE WATER TEMPERATURE SWITCH
S07	WORLAMP'S BUTTON
S08	START BUTTON
S09	H / I LOW SWITCH
S10	MODE SELECT SWITCH
S11	E-STOP CIRCUIT BYPASS PUSHBUTTON SWITCH
S12	FRONT STABILISER DOWN LIMIT SWITCH
S13	REAR STABILISER DOWN LIMIT SWITCH
S14	TRAILER PARK BRAKE SENSOR

KEY SWITCH

K30----- PERMANENT BATTERY SUPPLY
K58----- Not connected
K15/54---- IGNITION / ECU ON
K19----- GLOW PLUGS
K17----- GLOW PLUGS
K50a----- STARTER MOTOR

LOCATION

- A = PENDANT REMOTE CONTROL
- B = REAR DISPLAY ENCLOSURE
- E = START KEY JUNCTION BOX
- F = FRONT CRANE JUNCTION BOX
- G = STABILIZER EXTENSION SENSOR JIB
- H = HIGH/LOW SPEED VALVE BLOCK
- I = TRAILER PLUG JIB
- J = ENGINE FRAME ECU BATTERY BOX
- L = ENGINE
- M1-M6 = TOP LIFT FRAME JIB'S 1 - 6
- P = RADIO RECEIVER ENCLOSURE
- R = REAR CRANE JUNCTION BOX
- U = TOP LIFT FRAME WARNING LIGHT JIB
- W = TOP LIFT FRAME
- X = REAR CRANE MODULE
- Y = FRONT CRANE MODULE
- Z = TRAILER CHASSIS

MISCELLANEOUS

- M01 - 70A DIODE
- M02 - RADIO REMOTE BATTERY CHARGER
- M03 - KUBOTA ENGINE TEMPERATURE SENDER
- M04 - GLOW PLUG TIMER
- M05 - KUBOTA ENGINE GLOW PLUG
- M06 - KUBOTA ENGINE ALTERNATOR
- M07 - KUBOTA ENGINE STARTER MOTOR
- M08 - 120 OHM RESISTOR
- M09 - MOTORCYCLE 12 VOLT BATTERY
- M10 - KUBOTA ENGINE MAIN 12 VOLT BATTERY
- M11 - KUBOTA ENGINE THROTTLE SOLENOID
- M12 - KUBOTA ENGINE RUNSTOP SOLENOID
- M13 - HIGH-LOW SPEED SOL
- M14 - LOADSENSE SHUTOFF SOLENOID
- M15 - HORN
- M16 - LOADSENSE DUMP SOLENOID
- M17 - VOLTMETER

RELAYS

R01 - HORN
R02 - HIGH / LOW SPEED & LOAD SENSE SHUT-OFF RELAY
R03 - STROBE RELAY
R04 - ENGINE SHUTDOWN RELAY
R05 - WORKLAMP RELAY
R06 - STARTER MOTOR RELAY
R07 - ECU BATTERY ISOLATION RELAY
R08 - E-STOP RELAY (3 POLE)

FUSES (KEY SWITCH JUNCTION BOX)

LOCATION E

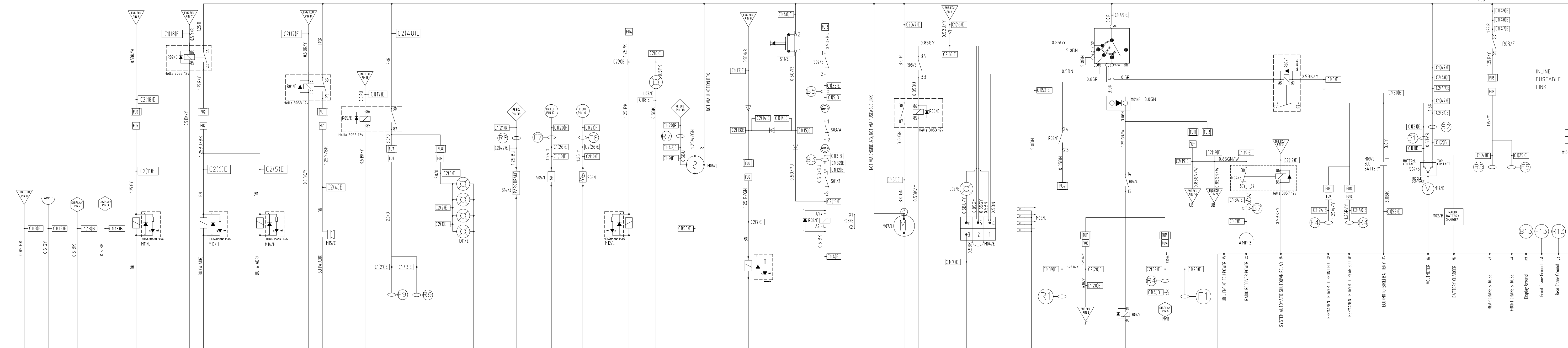
FU01 - 7.5A	HORN
FU02 - 10A	HIGH / LOW SPEED & LOAD SENSE SHUTOFF SOLENOID
FU03 - 10A	STROBE
FU04 - 5A	ENGINE RUN/STOP
FU05 - 4A	THROTTLE
FU06 - 4A	LOAD SENSE DUMP
FU07 - 15A	FRONT & REAR CRANE WORKLAMPS
FU08 - 15A	CHASSIS WORKLAMPS
FU09 - 15A	FRONT ECU U & U+ E POWER
FU10 - 15A	REAR ECU U & U+ E POWER
FU11 - 7.5A	ENGINE ECU POWER U+&RADIO POWER
FU12 - 3A	E-STOP CIRCUIT FUSE
FU13 - 4A	ENGINE ECU D+ & U+ D+&PWR REAR, SENSOR POWER
FU14 - 4A	D+PWR FRONT, SENSOR POWER FRONT

LOCATION C

FU15 - 2A	REAR ECU UE PERMANENT POWER
FU16 - 2A	REAR ECU ANALOGUE GROUNDS

LOCATION D

FU17 - 2A	FRONT ECU UE PERMANENT POWER
FU18 - 2A	FRONT ECU ANALOGUE GROUNDS



Title		SB 361, 401 SMARTlift 2.0		Part	EL-37776
Notes		Generic Wiring Diagram-all options shown		Filename	WIRING DIAGRAMS.dwg
  STEELBO New Zealand Ltd 1-31 Treflors Rd, Christchurch New Zealand	Default Tolerances Machining Size ± 0.1 , Surface N8 Profiling Size ± 2 , Position ± 3 Welding Quality 3 (CSTELBO New Zealand 2000)	Drawn  S.J.Morgan Mass	1/1 A1		