

2004 ELECTRICAL SCHEMATICS

W22/L18 Chassis

NAVIGATING THE SCHEMATICS

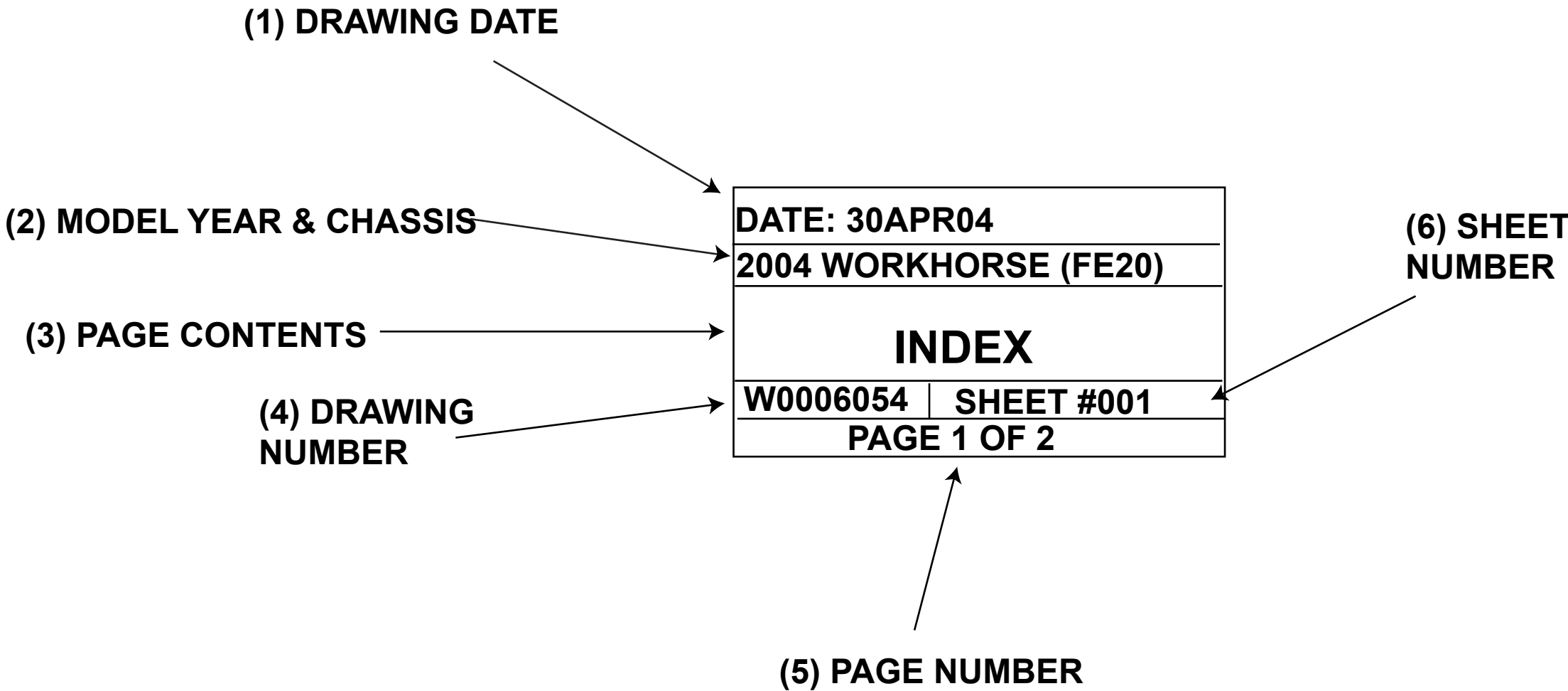
The format of the 2004 Electrical Schematics have changed from previous versions. This new style is easy to use and easy to read.

To find a schematic. First go to the Index page for the vehicle being serviced. Next, scan down the Sheet Name Column to the section for the chassis area desired. Move across the page to the right noting the Page Number of the Sheet Contents. Refer to the "Sheet Identification" instructions below for further information.

SHEET IDENTIFICATION

In the lower right corner of each page is the sheet identification box. The box provides the following information:

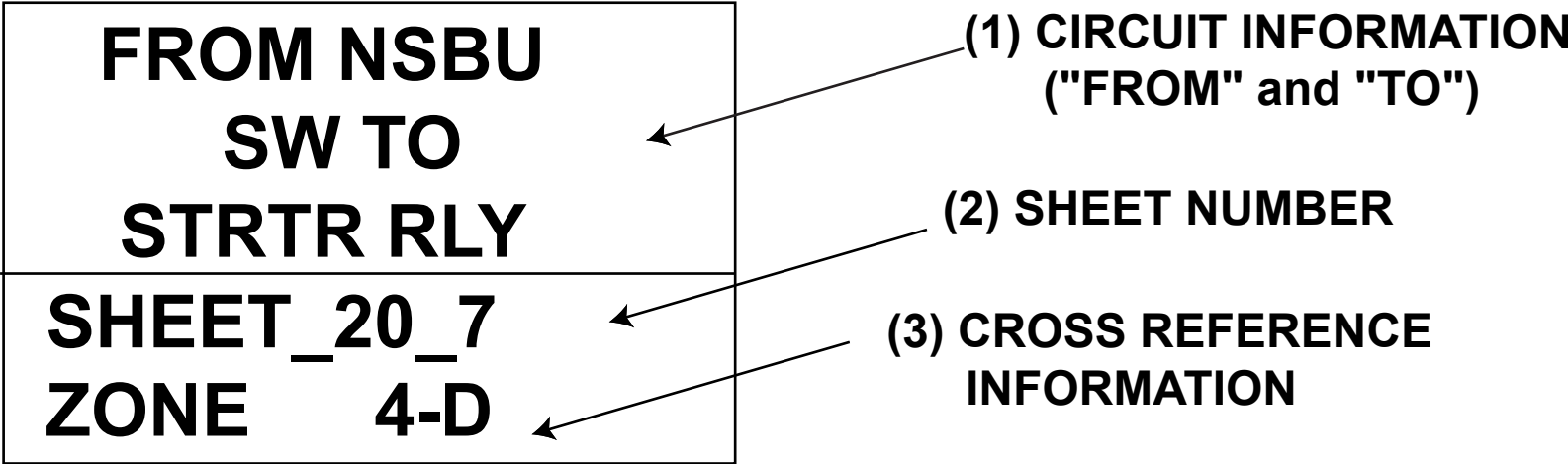
- (1) The date the drawing was released.
- (2) The model year and chassis.
- (3) Contents of the page, ie. Index, Power distribution, Powertrain, etc.
- (4) Drawing number
- (5) The page number of the total pages in the specific section.
- (6) Sheet number



When a circuit continues on a elsewhere on the same page or on a different page, navigation boxes are used to guide you to the proper point. The Navigation Box contains:

- (1) Specific information as to the path of the circuit.
- (2) The sheet & page number the circuit continues on.
- (3) Coordinates to help you locate the continuation of the circuit.

Use the coordinates like those on a road map to zero in on the proper point. In the example below, first refer to Sheet 20 - Page 7. Then go across the top or bottom of the page until you reach Row 4. Finally go down the page to Row D to locate the circuit continuation.



WORKHORSE CUSTOM CHASSIS

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INDEX

SHEET NUMBER	SHEET NAME	PAGE NUMBER	SYSTEM/SUBSYSTEM DESCRIPTION
1	INDEX	1	INDEX,OPTIONS
		2	LEGEND/WIRE INFORMATION,NOTES
9	VEHICLE ZONING	1	VEHICLE ZONING,CONNECTOR NUMBERS
10	POWER DISTRIBUTION	1	STARTING/CHARGING / HOT AT ALL TIME DISTRIBUTIONS
		2	IGNITION SWITCH / HOT IN RUN / HOT IN RUN AND ACCESSORY DISTRIBUTIONS
		3	HOT AT ALL TIME DISTRIBUTIONS
		4	HOT IN RUN AND CRANK DISTRIBUTIONS
		5	HOT WITH HEAD LAMP SWITCH ON DISTRIBUTIONS
11	FUSE BLOCK	1	ENGINE UNDERHOOD FUSE BLOCK
		2	I/P EXTN FUSE BLOCK
13	I/P EXTN CONVENIENCE CENTER	1	I/P EXTN CONVENIENCE CENTER
14	GROUND DISTRIBUTION	1	VEHICLE GROUND ZONING
		2	ENG HARNESS LOGIC GROUND/FORWARD LAMP HARNESS GROUND
		3	ENG HARNESS GROUND / ENG HARNESS ABS GROUND / I/P HARNESS GROUND / I/P EXTN CHAS HARNESS GROUND
		4	CHAS HARNESS GROUND
20	POWERTRAIN	1	V8 SEQ MF1 GAS W/AUTO TRANS M74 / POWERTRAIN CONTROL MODULE
		2	POWERTRAIN CONTROL MODULE
		3	TRANSMISSION CONTROL MODULE
		4	POWERTRAIN CONTROL MODULE / TRANSMISSION CONTROL MODULE
		5	POWERTRAIN CONTROL MODULE
		6	THROTTLE POSITION CONTROL MODULE
31	AUXILIARY BOOST FAN	1	FAN CONTROL RELAY / FAN MOTOR / SECONDARY HIGH PRESSURE SWITCH
34	CRUISE CONTROL	1	CRUISE CONTROL SWITCH
35	FUEL DELIVER AND EVAP EMISSIONS	1	FUEL PUMP & SENDER / PURGE / EVAP SYSTEM
36	CHECK TIRE MODULE/ADJUSTABLE PEDALS	1	CHECK TIRE MODULE/ADJ PEDALS
40	HORN	1	HORN RELAY / HORN SWITCH / DUAL HORNS
41	ANTILOCK BRAKE SYSTEM	1	WHEEL SENSORS / ABS MODULE / STOP LAMP TCC SW / POWER BRAKE BOOST SYSTEM
		2	BULB-CHECK DIODE NETWORK / PARK BRK SW
50	DLC CONNECTOR	1	ASSEMBLY LINE DIAGNOSTIC LINK CONNECTOR
60	HVAC	1	AIR CONDITIONING WIRING
81	CLUSTER	1	CLUSTER TELLTALES
		2	CLUSTER GAUGES/ILUMINATION
91	WIPER/WASHER PULSE	1	WIPER/WASHER PULSE CONTROL
100	HEADLAMPS	1	DUAL RECT (BT2 & Z49) HEADLAMPS WITH DRL CONTROL / DUAL RECT (BT2 & Z49) HEADLAMPS WITHOUT DRL CONTROL
		2	DUAL RECT (BT2 & Z49) HEADLAMPS WITH DRL / BASE HEADLAMPS WITH DRL / SINGLE RECTANGULAR(BD5 &Z49)WITH DRL
		3	DUAL RECT (BT2-Z49) HEADLAMPS WITHOUT DRL / BASE HEADLAMPS WITHOUT DRL / SINGLE RECT (BD5-Z49) HEADLAMPS WITHOUT DRL
110	EXTERIOR LIGHTING	1	DIRECTIONAL SWITCH / MARKER LAMPS / FLASHERS / LICENCE PLATE LAMPS
		2	MARKER LAMPS / PARK LAMPS / TAIL & STOP LAMPS
		3	STOP LAMP SWITCH / PARK NEUTRAL POSITION & BACKUP LAMP SWITCH / BACKUP LAMPS
114	INTERIOR LIGHTING	1	DOME LAMPS
117	INSTRUMENT PANEL DIMMING	1	INSTRUMENT PANEL DIMMER SWITCH
138	BRAKE TRANSMISSION SHIFT INTERLOCK (BTSI)	1	BTSI RELAY/COLUMN LOCK SOLENOID
202	ENG HARNESS CONNECTOR FACES	1	C000/C001/C002/C006/C017/C085
		2	C029/C030/C031/C032/C036/C050/C051/C056/C057/C058/C059
		3	C061/C062/C066/C067/C070/C071/C073/C075/C080/C082/C083/C103/C105/C109/C110/C113/C115/C118/C121/C715/C716/C717/C718/C719/C720/C721/C722/C723/C724/C076/C077/C107
203	I/P HARNESS CONNECTOR FACES	1	C043/C200/C202/C205/C207/C208/C210/C212/C216/C217/C218/C219
		2	C711/C712/C713/C714/C120
204	I/P EXTN HARNESS CONNECTOR FACES	1	C215/C248/C250/C251/C252/C253/C254/C261
		2	C255/C257/C258/C710/C065/C725/C063/C084/C264/C265/C249
205	CHAS HARNESS CONNECTOR FACES	1	C400/C402/C403/C404/C405/C708/C709
206	DRIVE AWAY HARNESS CONNECTOR FACES	1	C203/C250/C272/C274/C275/C276
208	FWD/REAR LAMP HARNESS CONNECTOR FACES	1	C313/C308/C315/C305/C304/C303/C302/C306/C318/C307/C309/C300/C310/C312/C311/C314
		2	C500/C502/C503/C504/C505/C506/C507/C508/C509/C510/C501
210	DRIVE AWAY WIRING	1	TEMPORARY I/P DRIVE AWAY HARNESS WIRING

OPTION KEY (REF)

OPTION	DESCRIPTION
C7P	16,000 LB GVW
BT2	DUAL RECTANGULAR HEADLAMPS
K34	CRUISE CONTROL
L18	V8 SEQ MF1 GAS ENGINE
M74	AUTOMATIC 5 SPEED ALLISON LCT 1000
WX7	EUROPE WIRING PROVISIONS
Z49	CANADIAN
5K1	DRL (DAYTIME RUNNING LAMPS)
7Y8	HIGH OUTPUT BATTERY
BD5	SINGLE RECTANGULAR HEADLAMPS

DATE : 08APR03
2004 WORKHORSE (W22)

INDEX

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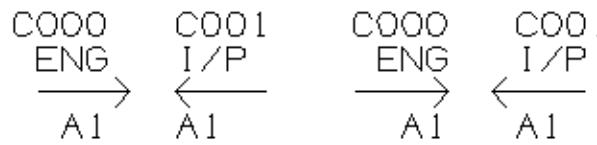

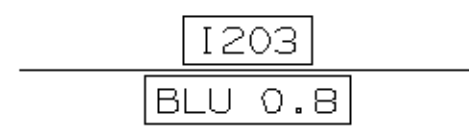
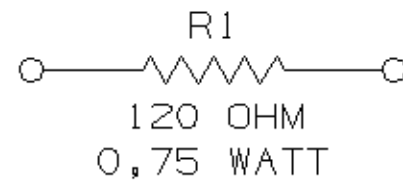
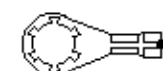

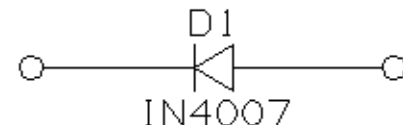
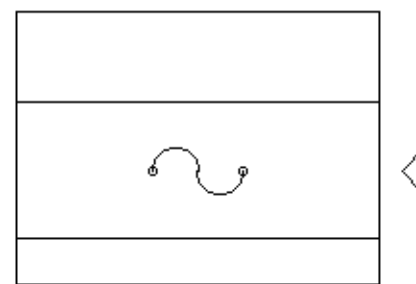



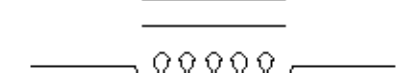

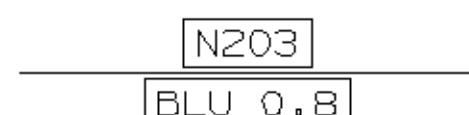

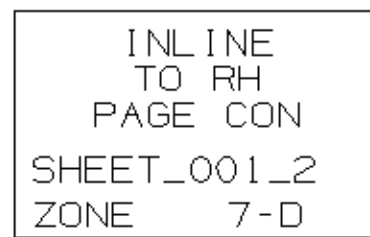
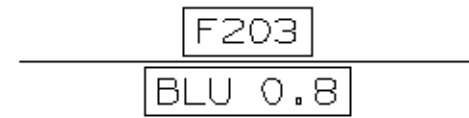
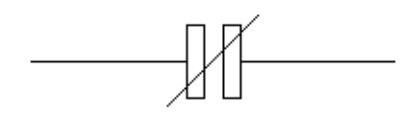

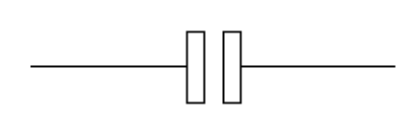
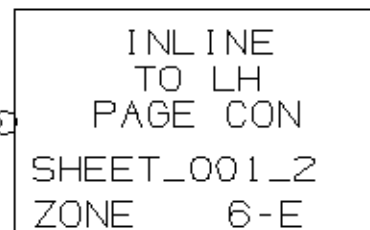
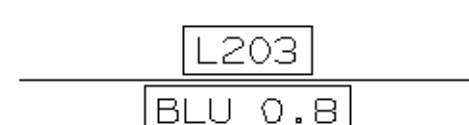


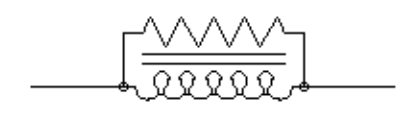
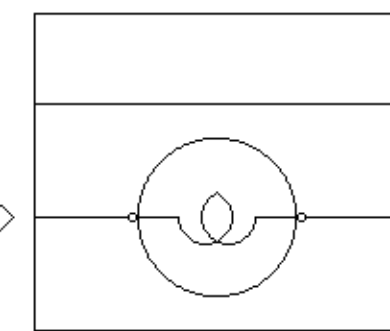

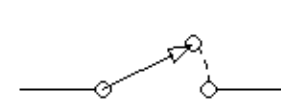
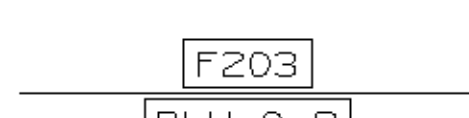
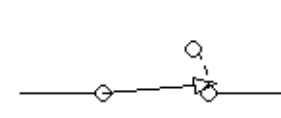
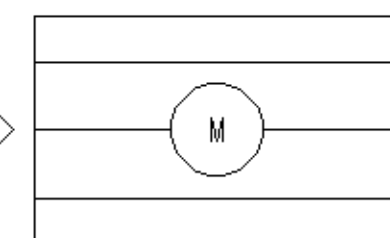
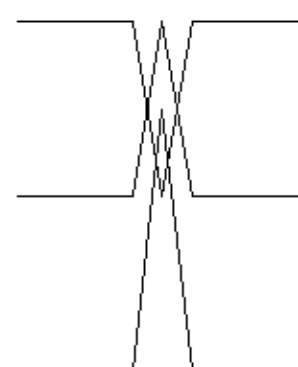
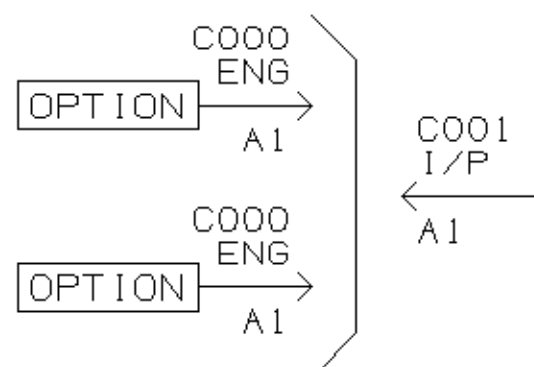
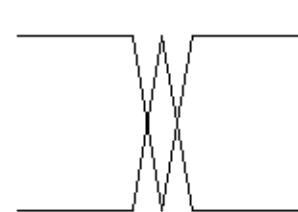
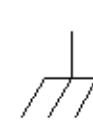
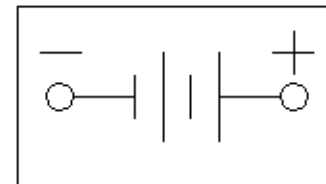
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		11	10	9	8	7	◇	6	5	4	3	2	1	
H		LEGEND												H
		SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL		DESCRIPTION						
			ENG HARN WIRE INFORMATION		INLINE CONNECTOR			FUSE BLOCK BUSS						
G			I/P HARN WIRE INFORMATION		RESISTOR			RING TERMINAL						
			CHAS HARN WIRE INFORMATION		DIODE			FUSE						
F			I/P EXTN HARN WIRE INFORMATION		INDUCTOR COIL OR WINDING									
			DRIVE AWAY HARN WIRE INFORMATION		SOLENOID			VARIABLE RESISTOR OR SENSOR						
			I/P CNTR HARN WIRE INFORMATION		WIRE SPLICE			LH PAGE CONNECTION						
E			FWD LP HARN WIRE INFORMATION		RELAY CONTACTS (NORMALLY CLOSED)									
			REAR LP HARN WIRE INFORMATION		RELAY CONTACTS (NORMALLY OPEN)			RH PAGE CONNECTION						
D			CLEAN POWER HARN WIRE INFORMATION		RELAY COIL WITH SUPPRESSION RESISTOR									
			BAT CABLE WIRE INFORMATION		VALVE WITH SUPPRESSION RESISTOR			LIGHT						
C			START CABLE WIRE INFORMATION		NORMALLY OPEN SWITCH									
			FUEL EXTN HARN WIRE INFORMATION		NORMALLY CLOSED SWITCH			MOTOR						
B			TWISTED PAIR SHIELD		INLINE CONNECTOR WITH OPTIONAL WIRING									
A			TWISTED PAIR		CASE GROUND OR INTERNAL GROUND			BATTERY						
		11	10	9	8	7	◇	6	5	4	3	2	1	

WIRE INFORMATION

203

BLU 0.8

METRIC GAUGE	ENGLISH GAUGE
0.35	22
0.5	20
0.8	18
1.0	16
2.0	14
3.0	12
5.0	10
8.0	8
13.0	6
19.0	4
32.0	2
40.0	1
50.0	0
62.0	2/0
81.0	3/0


DATE : OBAPR03

2004 WORKHORSE (W22)

LEGENDS

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WIRE INFORMATION	
	
METRIC GAUGE	ENGLISH GAUGE
0.35	22
0.5	20
0.8	18
1.0	16
2.0	14
3.0	12
5.0	10
8.0	8
13.0	6
19.0	4
32.0	2
40.0	1
50.0	0
62.0	2/0
81.0	3/0

CONNECTOR REFERENCE NUMBER ZONES

FORWARD LAMP (FWD LP)
12109854 &EJ6/EK0/EK3&HPR/8T2-Z49
12109856 &EJ2* &EJ6/EK0/EK3&8D5-Z49
12109857 &EJ6/EK0/EK3&Z49&8D5
12109858 &EJ6/EK0/EK3-HPR-Z49-8D5-BT2
12109859 &EJ6/EK0/EK3&Z49-HPR-8D5-BT2
W0004843 &EJ6/EK0/EK3&HPR/8T2&Z49

ENGINE (ENG)
W0005075 &W22&L18

BATTERY CABLES (POS) (NEG)
15311553 &L18
15765184 &L18

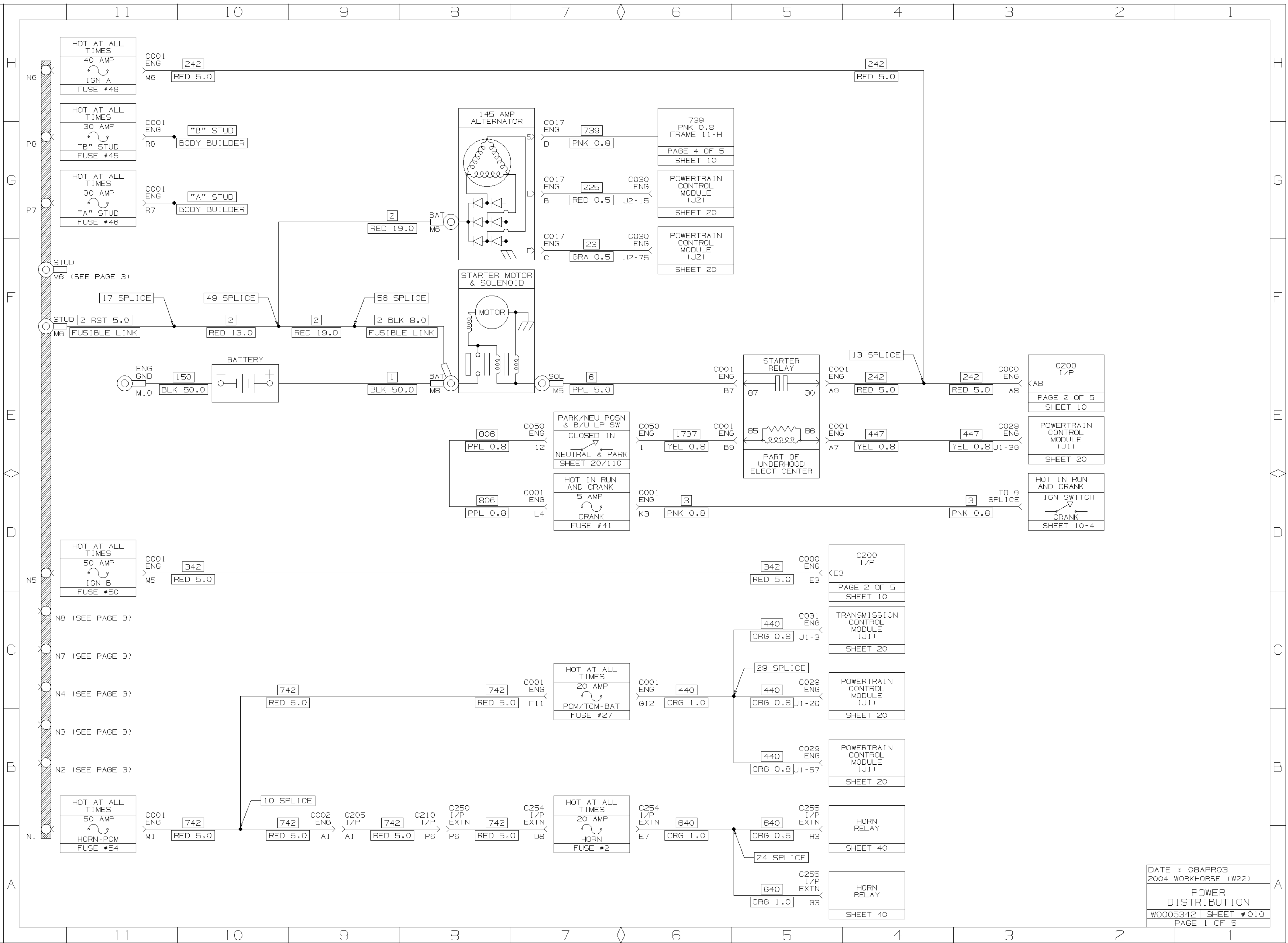
CHASSIS (CHAS)
W0005068 &W22&L18 (190"-208") (319-320)
W0005067 &W22&L18 (228") (321)
W0005070 &W22&L18 (242") (325)
W0005069 &W22&L18 &5K3

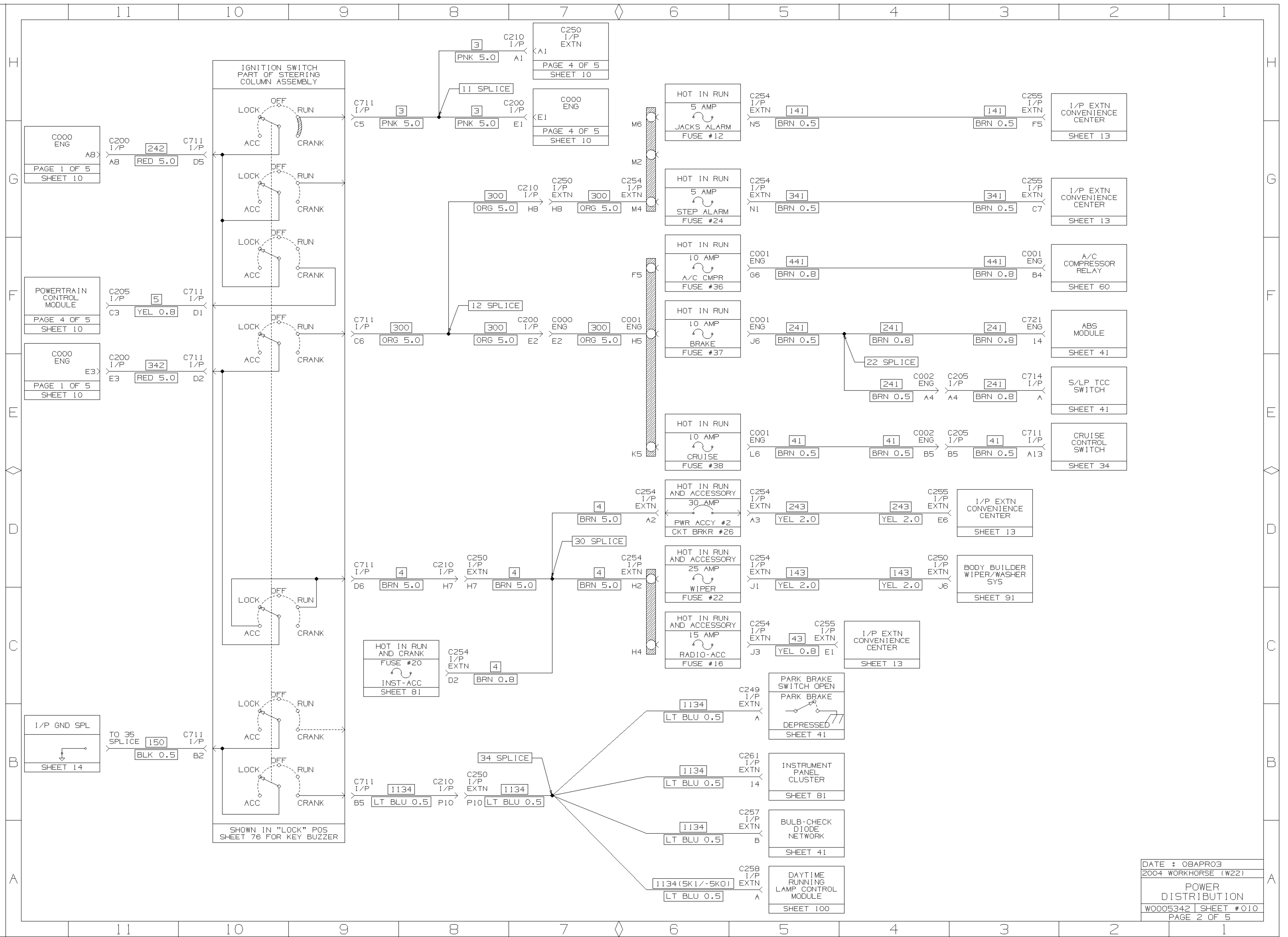
TAIL AND STOP LAMP (TAIL)
15323193 &L18-RHO
15323194 &L18&RHO

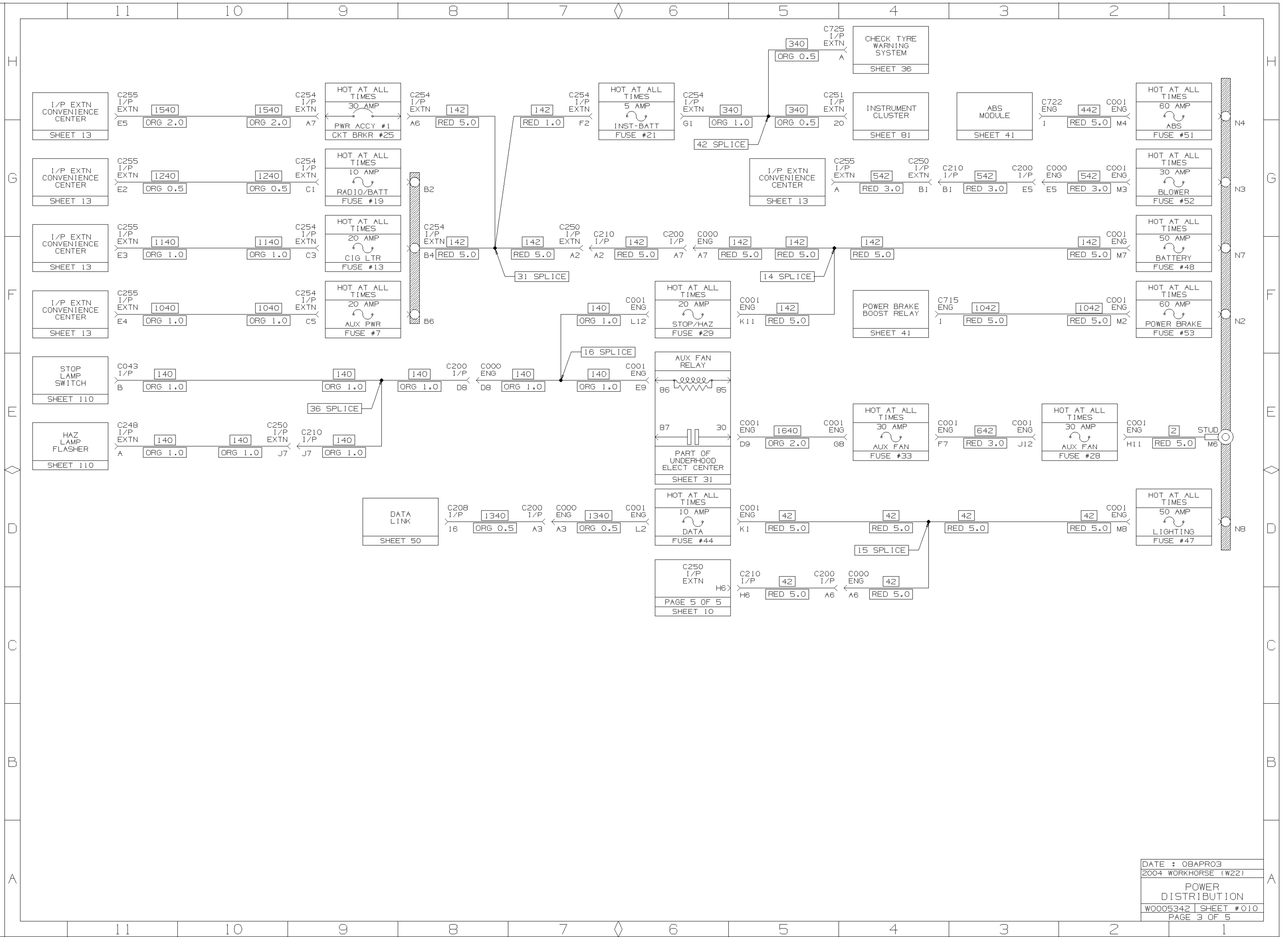
INSTRUMENT PANEL (I/P)
W0005074 &W22&L18
I/P EXTENSION (I/P-EXTN)
W0005072 &W22&L18-5K1* &W22&L18-Z49
W0005073 &W22&L18&5K1* &W22&L18&Z49
DRIVE AWAY I/P (DRIVE AWAY)
W0005071 &W22&L18

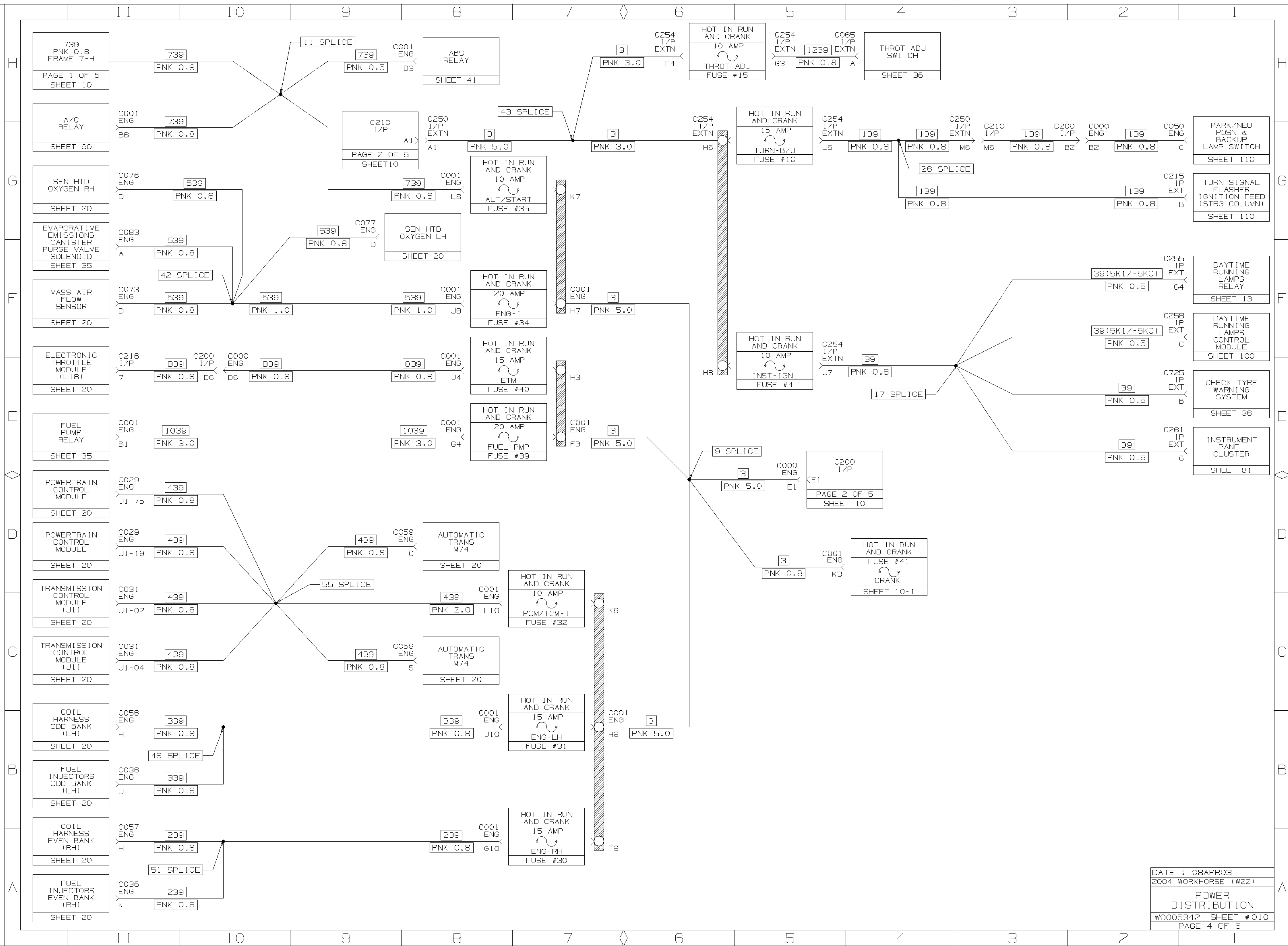
GND STRAP
08913010 &L18

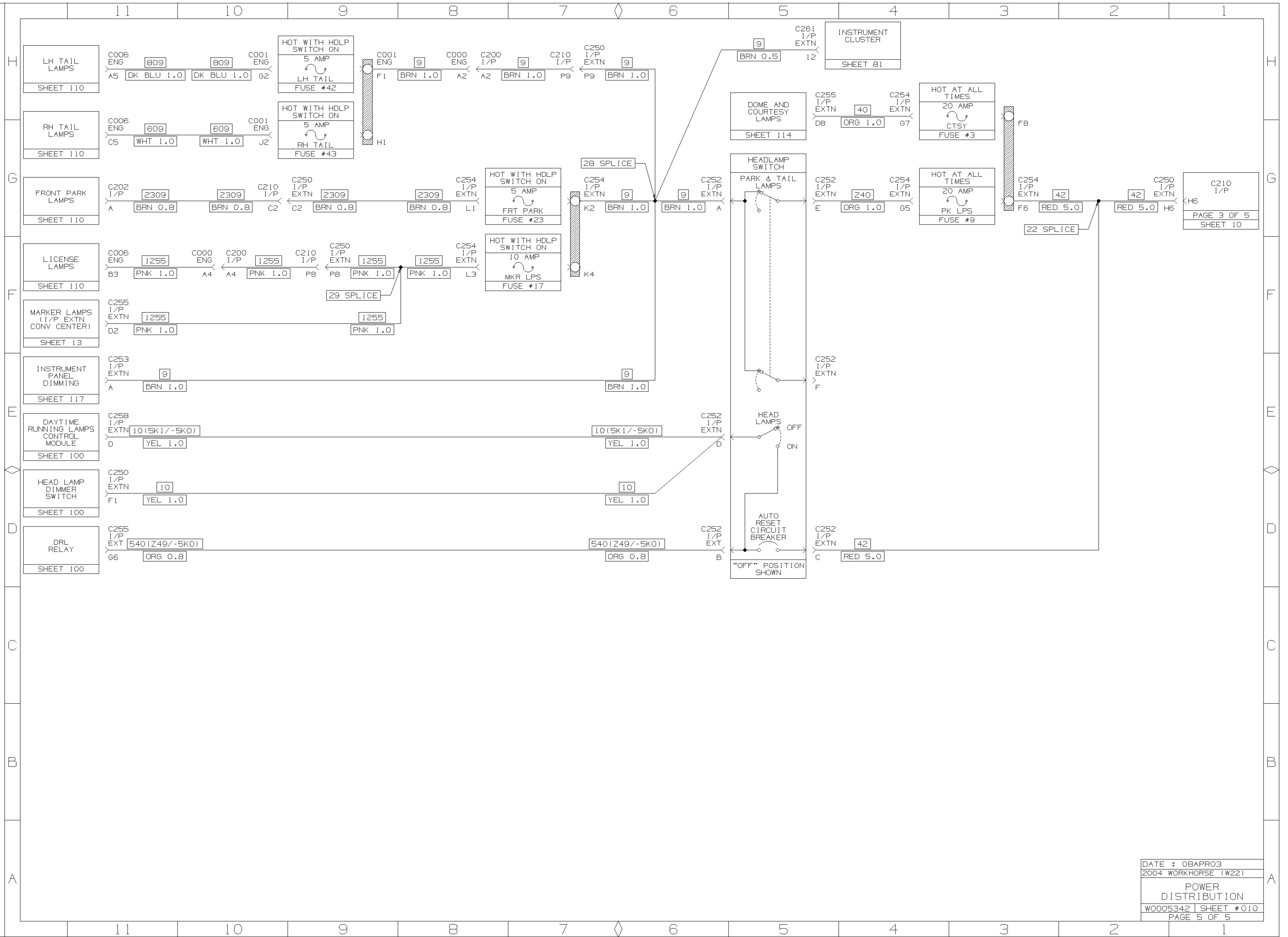
FUEL GND STRAP
W0002747
FUEL FILLER GND STRAP
12153362 &L18

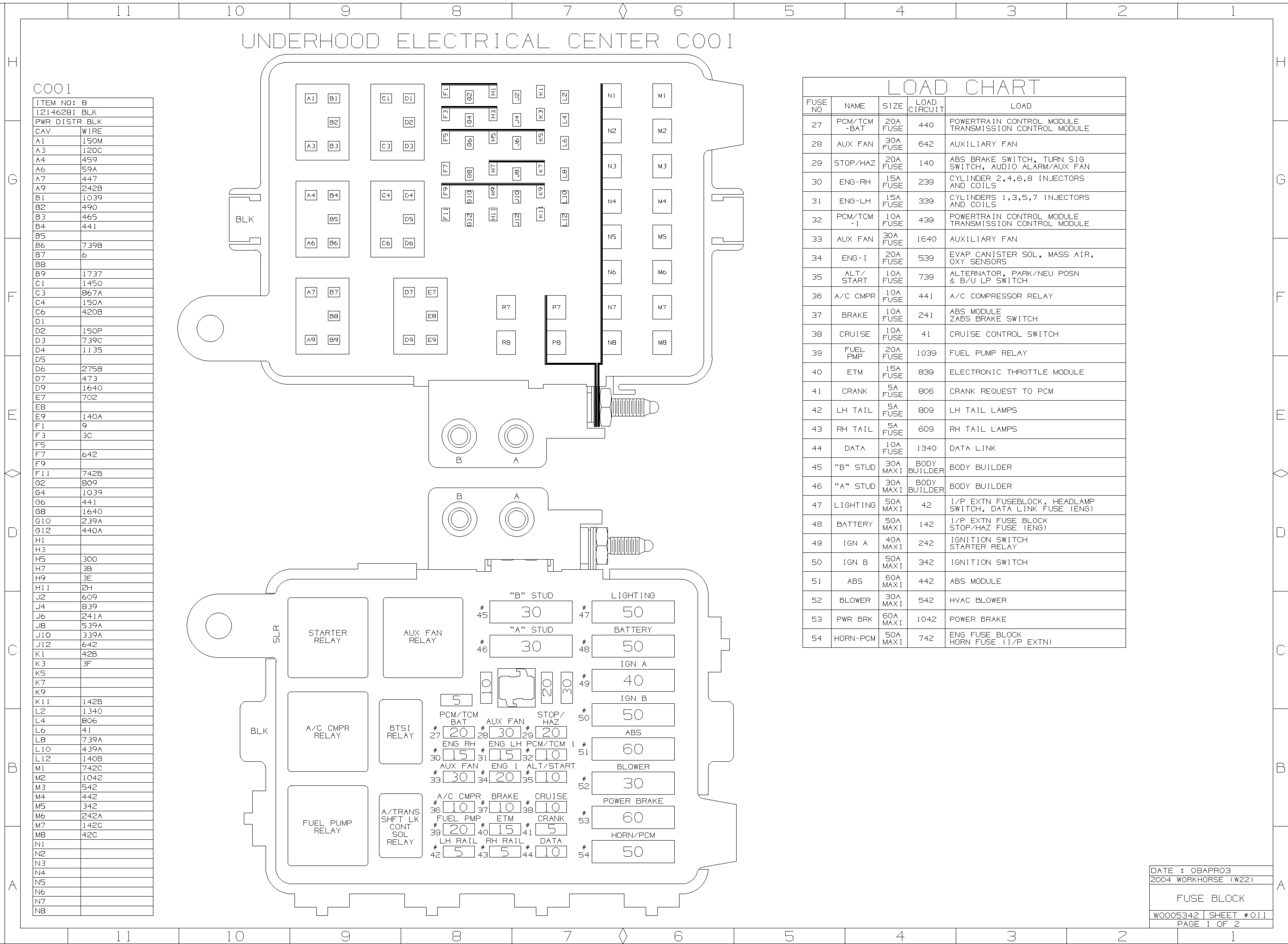








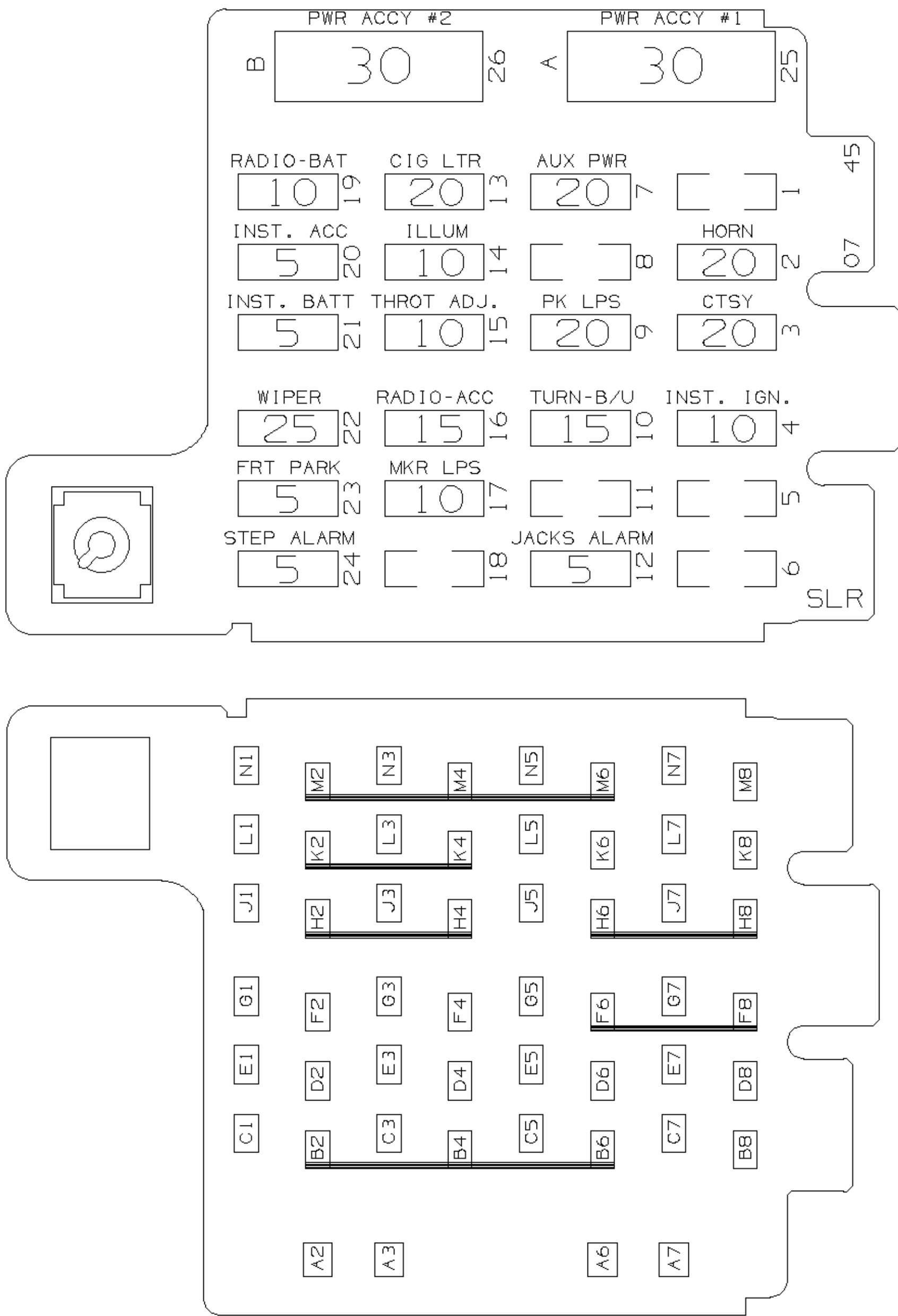




C254

ITEM NO: 11	
12110746 BLK	
FUSE BLK	
CAV	WIRE
A2	4C
A3	243
A6	142B
A7	1540
B2	
B4	142A
B6	
B8	
C1	1240
C3	1140
C5	1040
C7	
D2	4E
D4	44
D6	
D8	742
E1	343
E3	8A
E5	
E7	640A
F2	142E
F4	3B
F6	42B
F8	
G1	340A
G3	1239
G5	240
G7	40
H2	4B
H4	
H6	3C
H8	
J1	143
J3	43
J5	139B
J7	39A
K2	9C
K4	
K6	
K8	
L1	2309
L3	1255C
L5	
L7	
M2	
M4	300
M6	
M8	
N1	341
N3	
N5	141
N7	

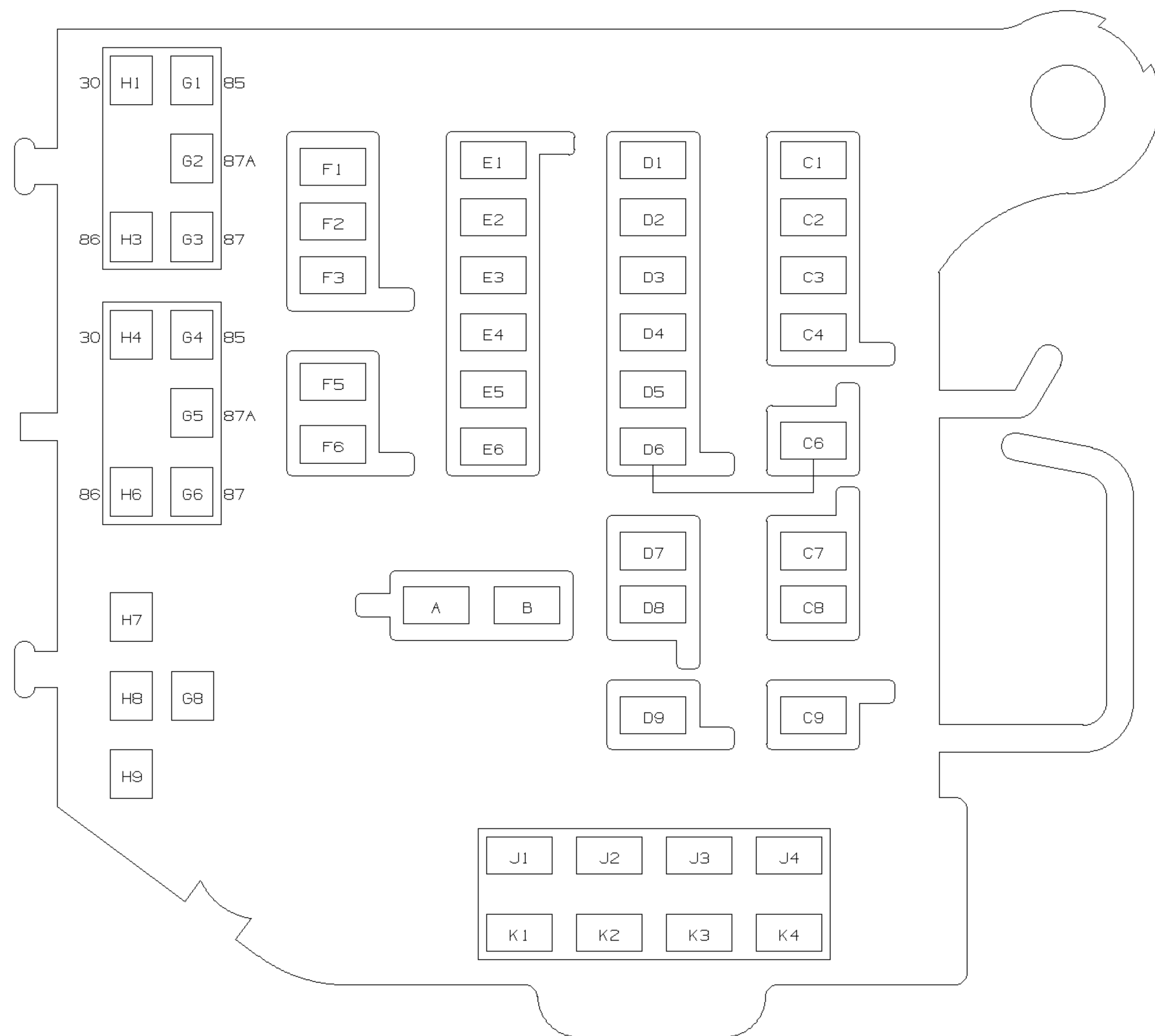
I/P EXTN FUSE BLOCK



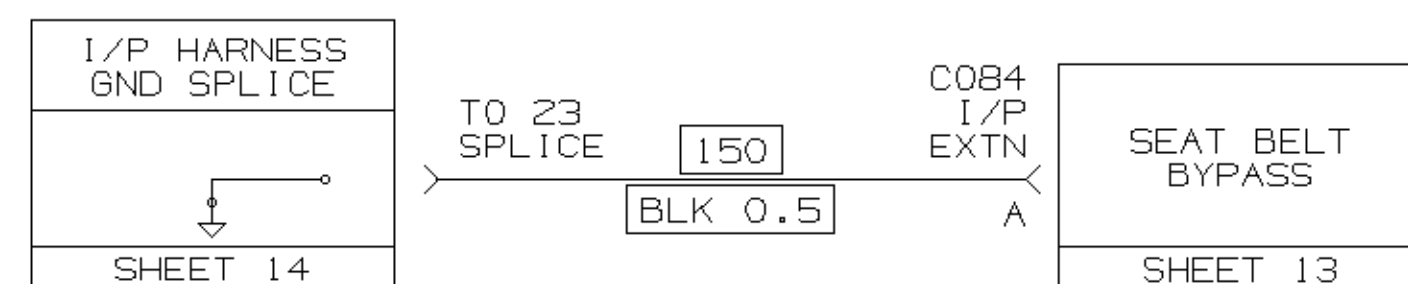
I/P EXTN FUSE BLOCK
LOAD CHART

FUSE NO	NAME	SIZE	LOAD CIRCUIT	LOAD
1	OPEN			
2	HORN	20A FUSE	640	HORN RELAY
3	CTSY	20A FUSE	40	DOVE & COURTESY LAMPS (BODY BUILDER)
4	INST IGN.	10A FUSE	39	DRL RELAY, DRL CONTROL MODULE, CLUSTER
5	OPEN			
6	OPEN			
7	AUX PWR	20A FUSE	1040	BODY BUILDER
8	OPEN			
9	PK LPS	20A FUSE	240	HEADLAMP SWITCH (PARK, MARKER AND TAIL LAMPS)
10	TURN-B/U	15A FUSE	139	TURN SIGNAL SWITCH, PARK/NEU POSN & B/U LAMP SWITCH
11	OPEN			
12	JACKS ALARM	5A FUSE	141	JACKS ALARM
13	CIG LTR	20A FUSE	1140	CIG LIGHTER (BODY BUILDER)
14	ILLUM	10A FUSE	8	I/P CLUSTER, AUDIO ALARM, BODY BUILDER FEED
15	THROT ADJ.	10A FUSE	1239	ADJUSTABLE THROTTLE MOTOR
16	RADIO-ACC	15A FUSE	43	BODY BUILDER RADIO
17	MKR LPS	10A FUSE	1255	LICENSE LAMPS BODY BUILDER MARKER LPS
18	OPEN			
19	RADIO-BAT	10A FUSE	1240	BODY BUILDER RADIO
20	INST ACC.	5A FUSE	343	CLUSTER, CHECK TYRE
21	INST BATT	5A FUSE	340	CLUSTER, CHECK TYRE
22	WIPER	25A FUSE	143	BODY BUILDER WIPERS
23	FRT PARK	5A FUSE	2309	FRONT PARK LAMPS
24	STEP ALARM	5A FUSE	341	STEP ALARM
25	PWR ACCY #1	30A BRKR	1540	BODY BUILDER
26	PWR ACCY #2	30A BRKR	243	BODY BUILDER

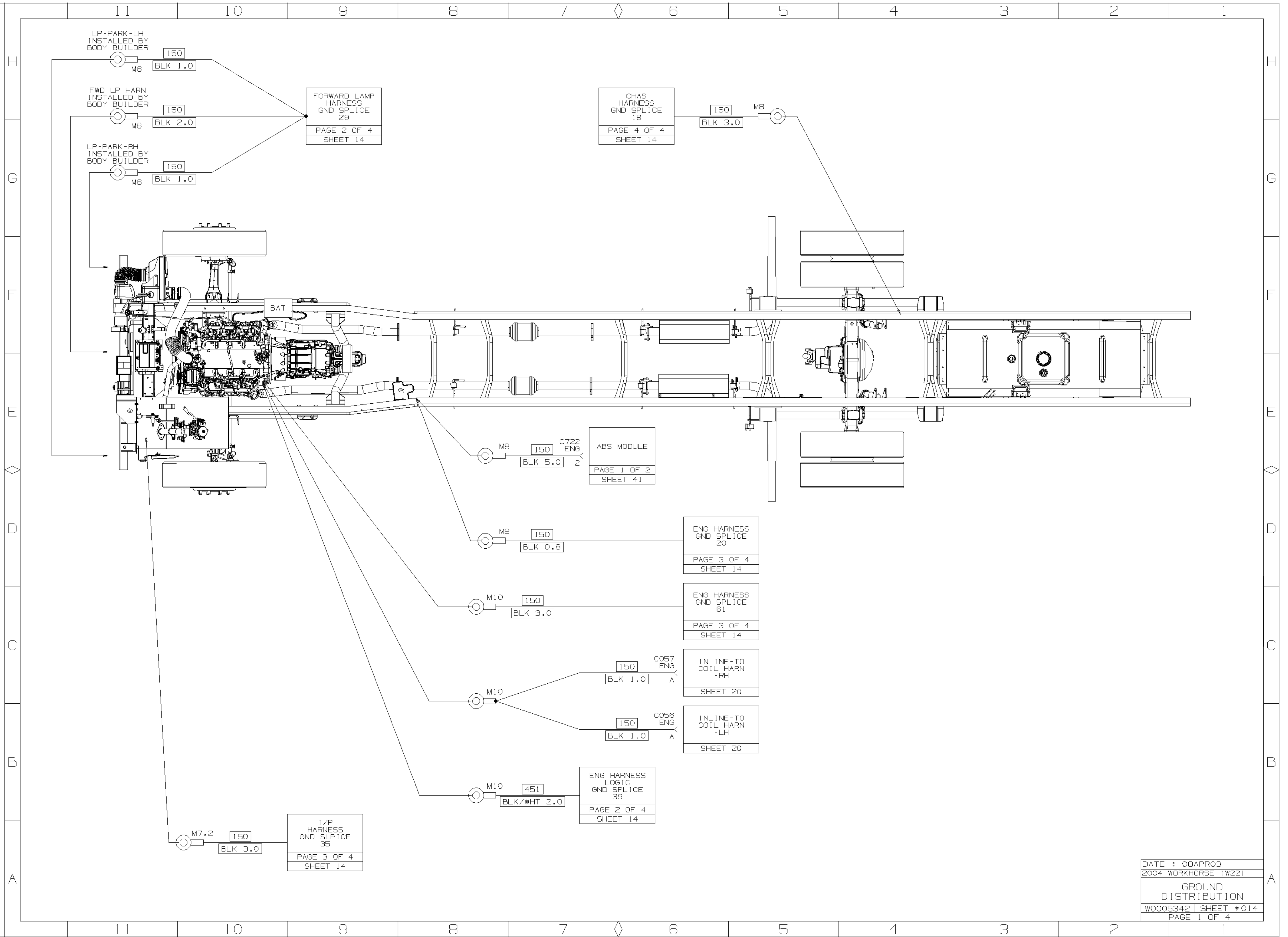
C255
I/P EXTN CONVENIENCE CENTER

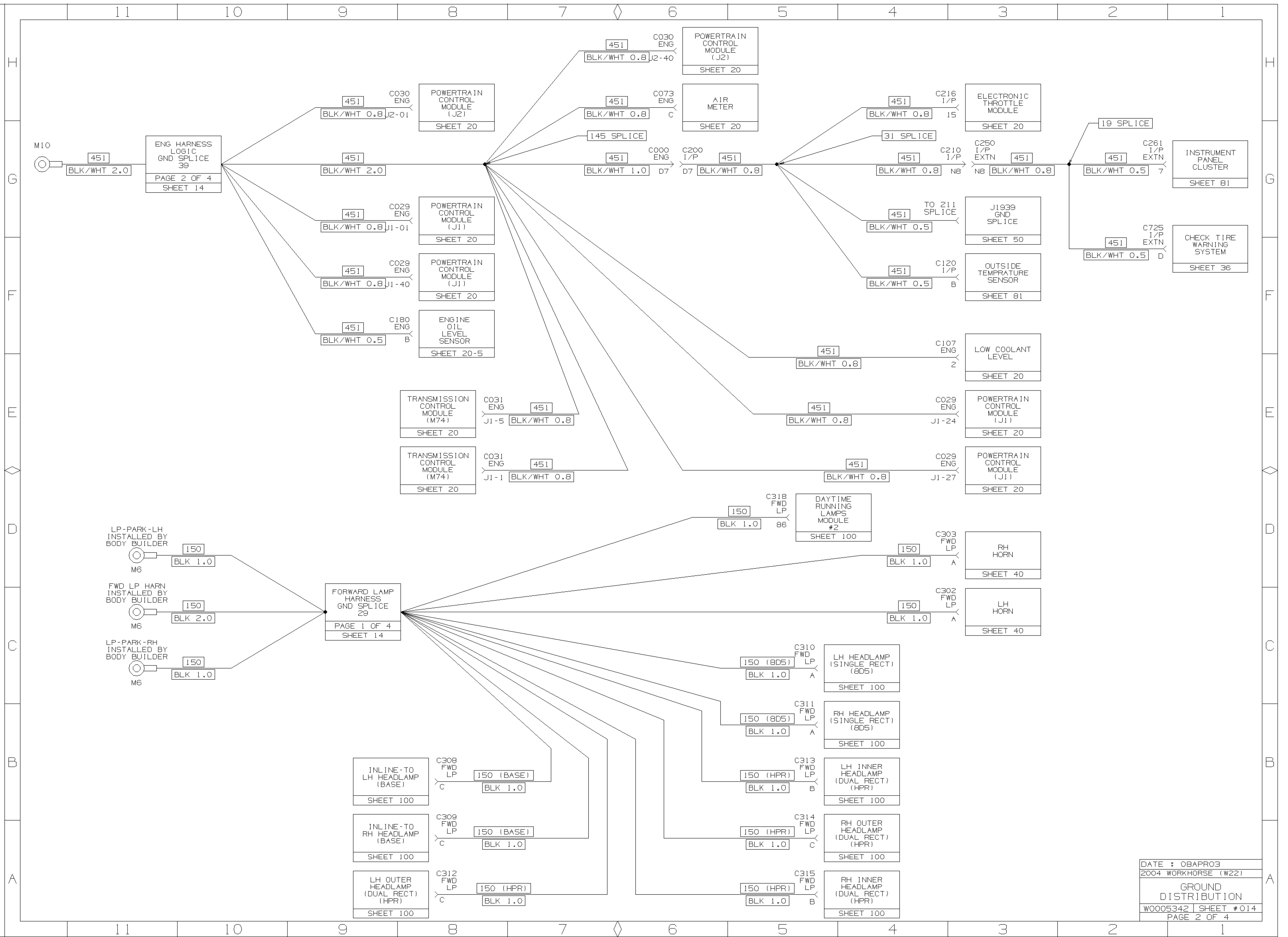


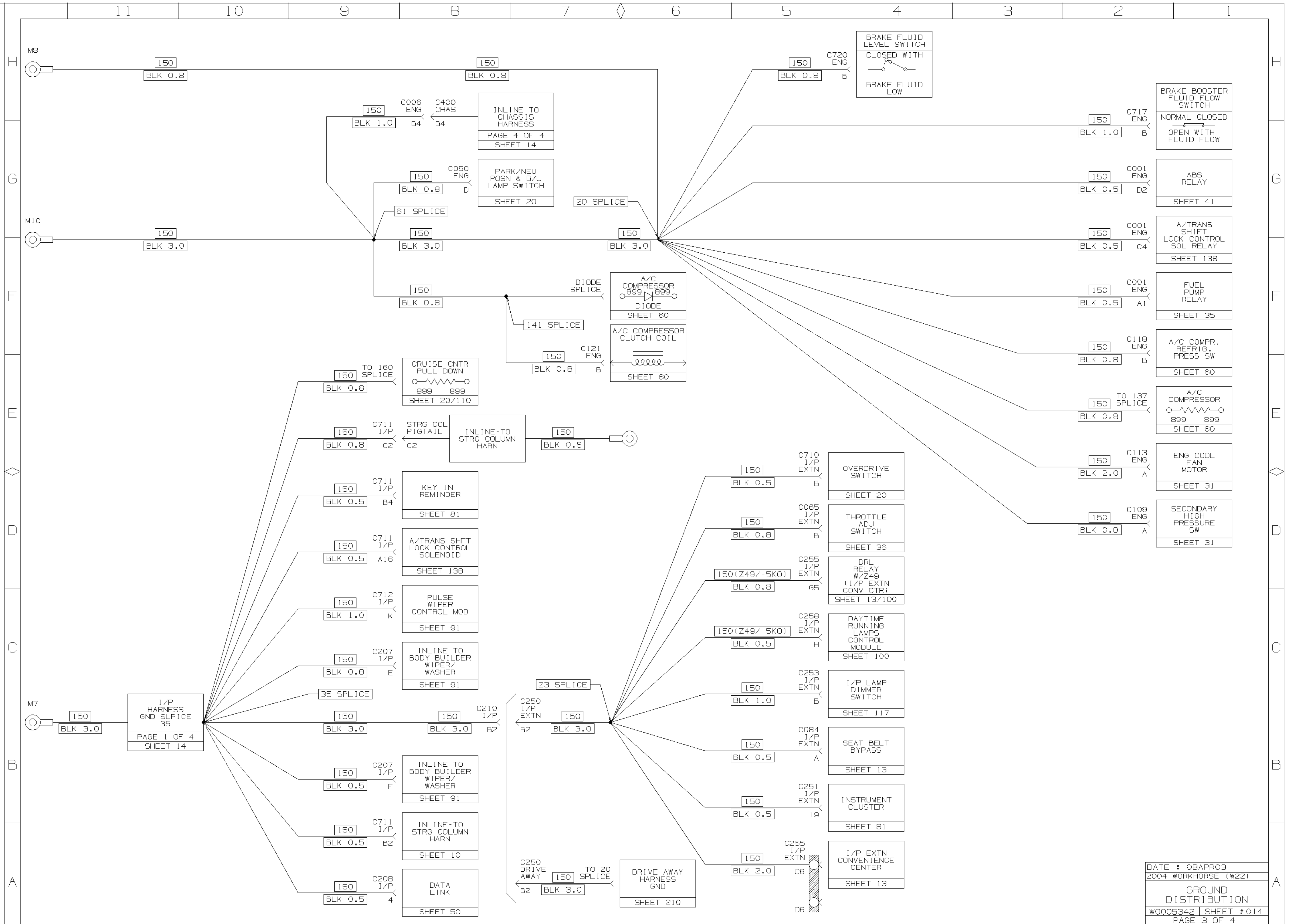
I/P EXTN CONVENIENCE CENTER				
CAVITY	CIRCUIT	FUNCTION	REF. SHEET	COMPONENT
A	542	BODY BUILDER BLOWER	10	MATES WITH 12129939
B	-	-	-	
C1	-	-	-	
C2	1317	FOG LP. RELAY GRD(5K1/-5K0)	100	MATES WITH 12033704
C3	534	HIGH IDLE SWITCH	20	
C4	-	-	-	
C6	150	GROUND	14	MATES WITH 12015202
C7	341	STEP ALARM	10	MATES WITH 12034341
C8	745	DOOR AJAR	81	
C9	275	PARK ACCESSORY	41	
D1	8	PANEL DIMMER SWITCH	117	MATES WITH 12110747
D2	1255	MARKER LAMPS	10	
D3	24	BACKUP LPS (CAMERA FEED)	110	
D4	235	IGNITION SWITCH BULB CHECK	41	
D5	29	HORN RELAY OUTPUT	40	
D6	BUS TO C6	GROUND	14	
D7	156	DOME LAMP SWITCH (TO GROUND)	114	MATES WITH 12034577
D8	40	COURTESY/DOME LAMP FEED	114	
D9	234	SEAT BELT	81	
E1	43	RADIO-ACC FEED	10	MATES WITH 12110748
E2	1240	RADIO-BAT FEED	10	
E3	1140	CIG LTR FEED	10	
E4	1040	AUX PWR FEED	10	
E5	1540	PWR ACCY #1 FEED	10	
E6	243	PWR ACCY #2 FEED	10	
F1	-	-	-	MATES WITH 12110777
F2	-	-	-	
F3	-	-	-	
F5	141	JACKS ALARM	10	MATES WITH 12052184
F6	17	AUX STOP FEED	110	
G1	28	HORN RELAY	40	HORN RELAY (12088567)
G2	-	-	-	
G3	640	HORN RELAY(Z49/-5K0)	40	
G4	39	DAYTIME RUNNING LAMPS RELAY (Z49)	100	DAYTIME RUNNING LAMP RELAY (12077866)
G5	150	DAYTIME RUNNING LAMPS RELAY (Z49)	100	
G6	540	DAYTIME RUNNING LAMPS RELAY (Z49)	100	
G8	-	-	-	HORN RELAY (12088567)
H1	29	HORN RELAY	40	
H3	640	HORN RELAY(Z49/-5K0)	40	
H4	593	DAYTIME RUNNING LAMPS RELAY (Z49)	100	
H6	592	DAYTIME RUNNING LAMPS RELAY (Z49)	100	
H7	-	-	-	
H8	-	-	-	
H9	-	-	-	
J1	-	-	-	
J2	-	-	-	
J3	-	-	-	
J4	-	-	-	
K1	-	-	-	
K2	-	-	-	
K3	-	-	-	
K4	-	-	-	

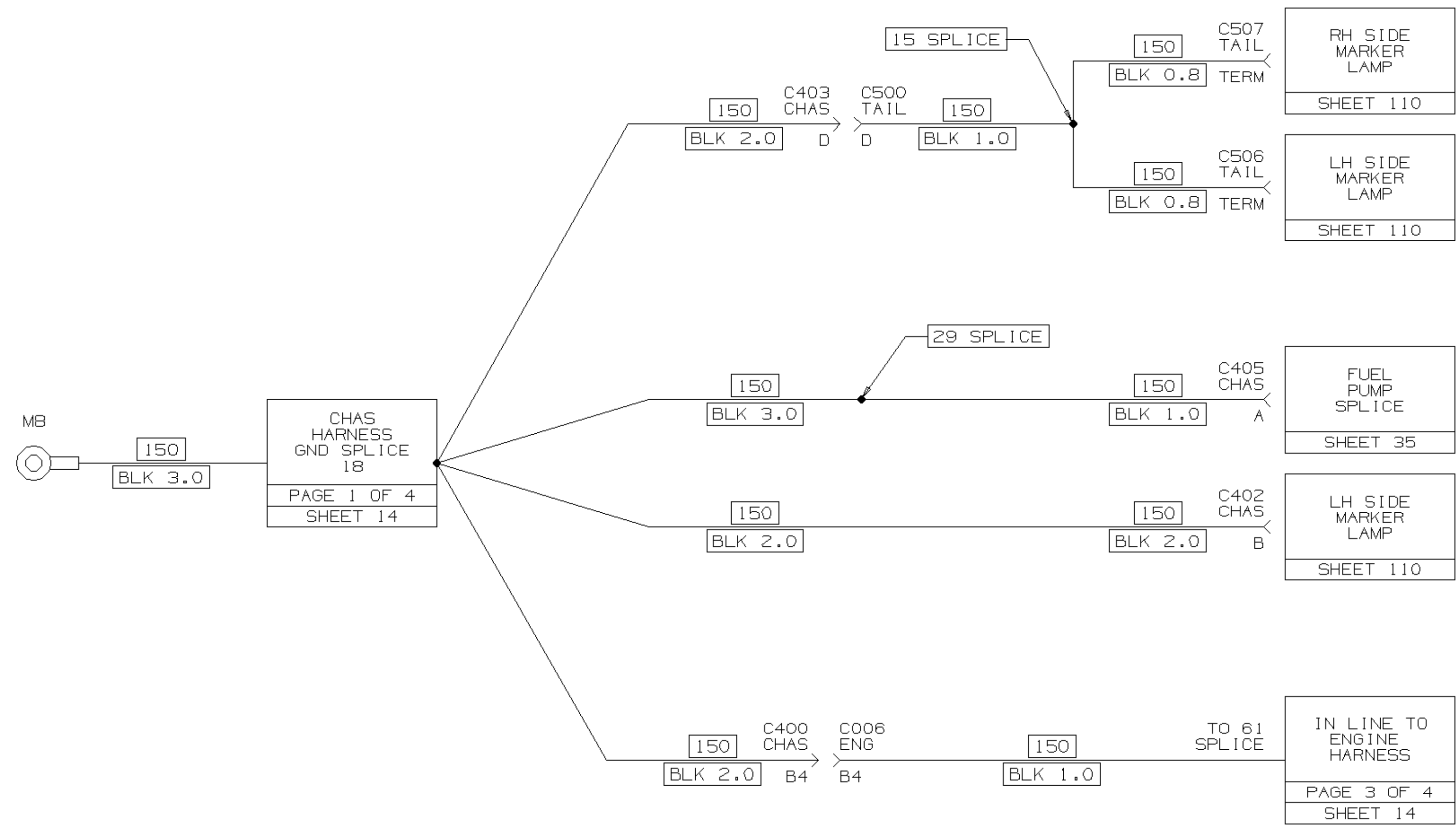


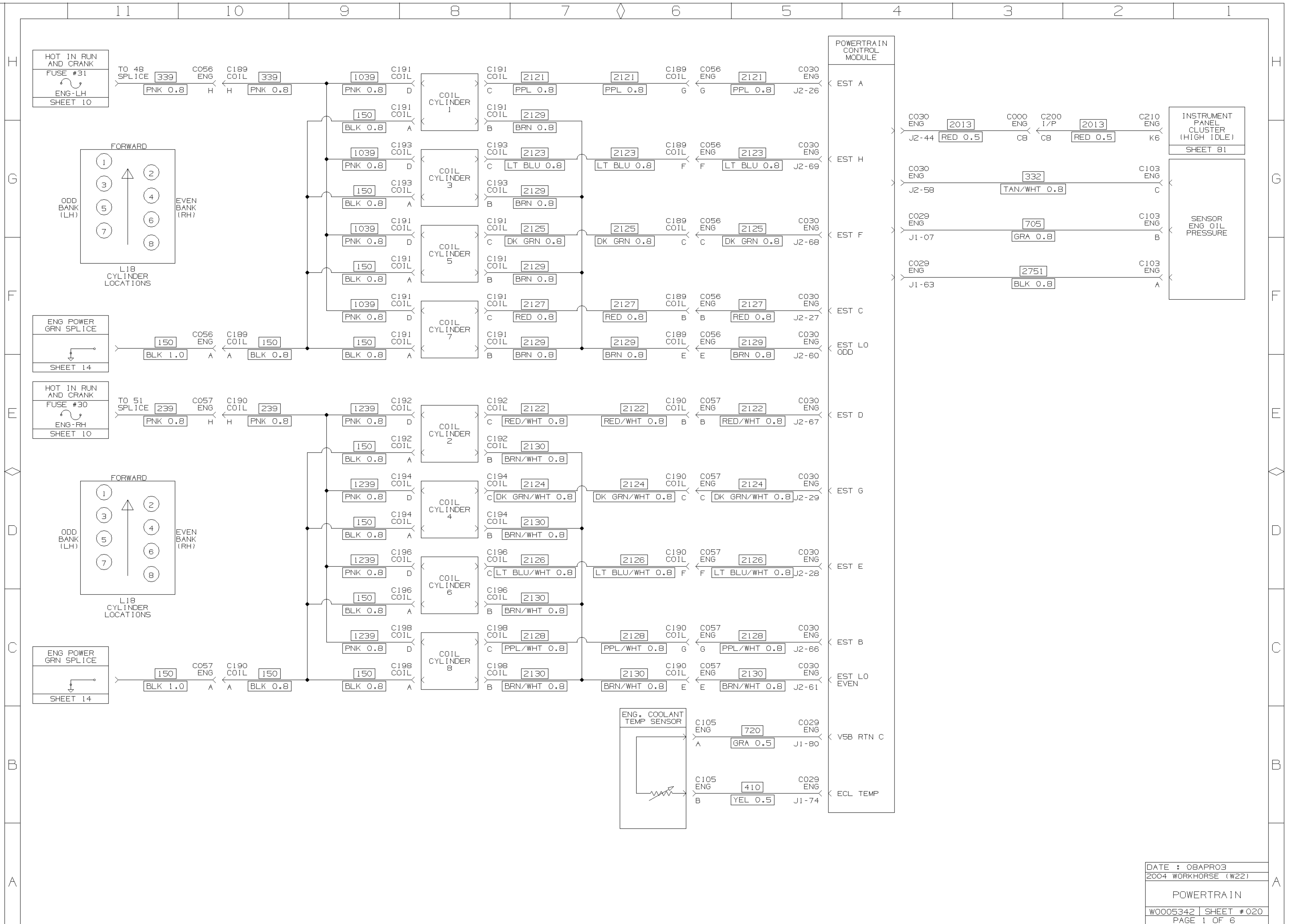
NOTE: CONNECT C084 PIN A TO C255 PIN D9

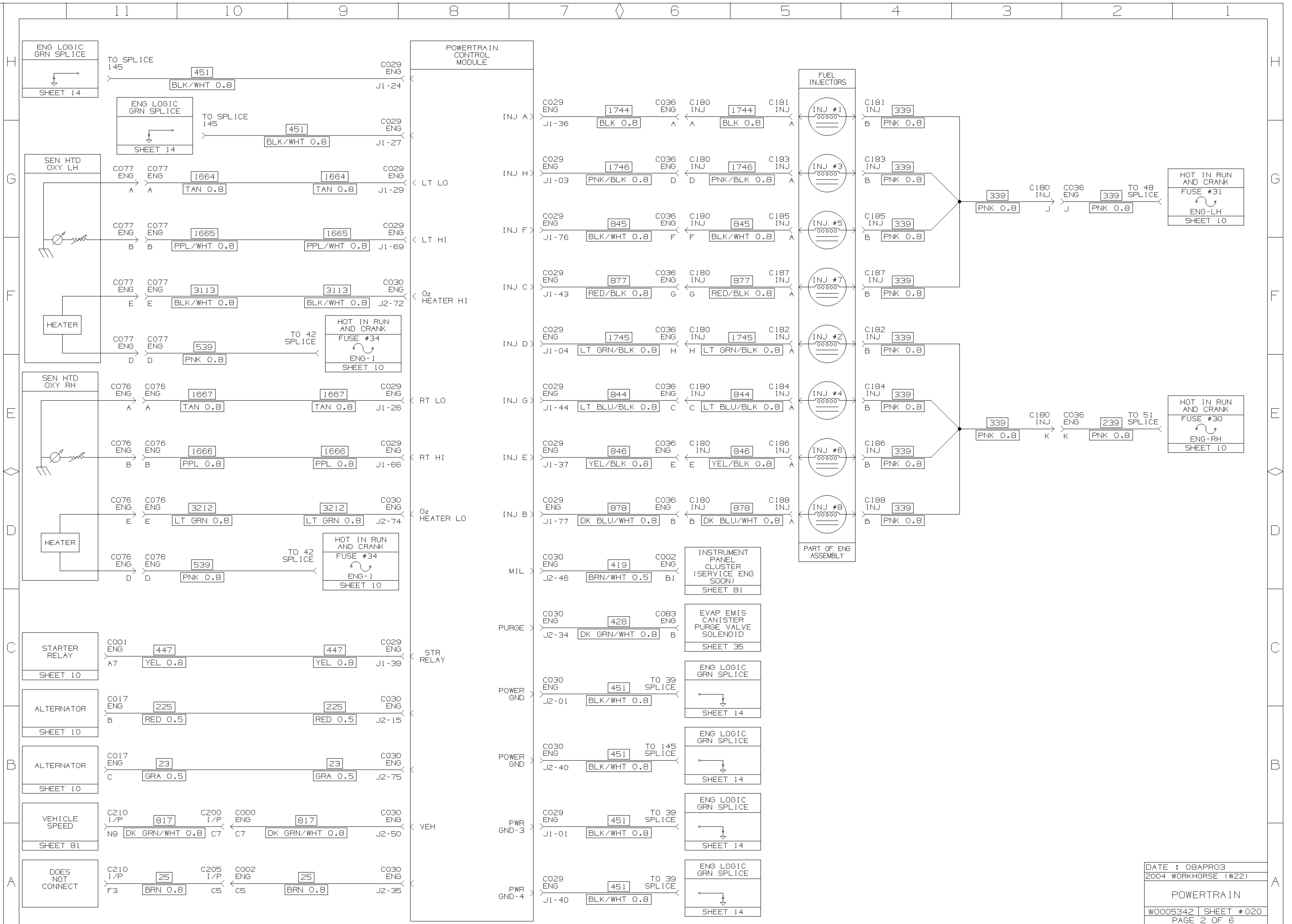


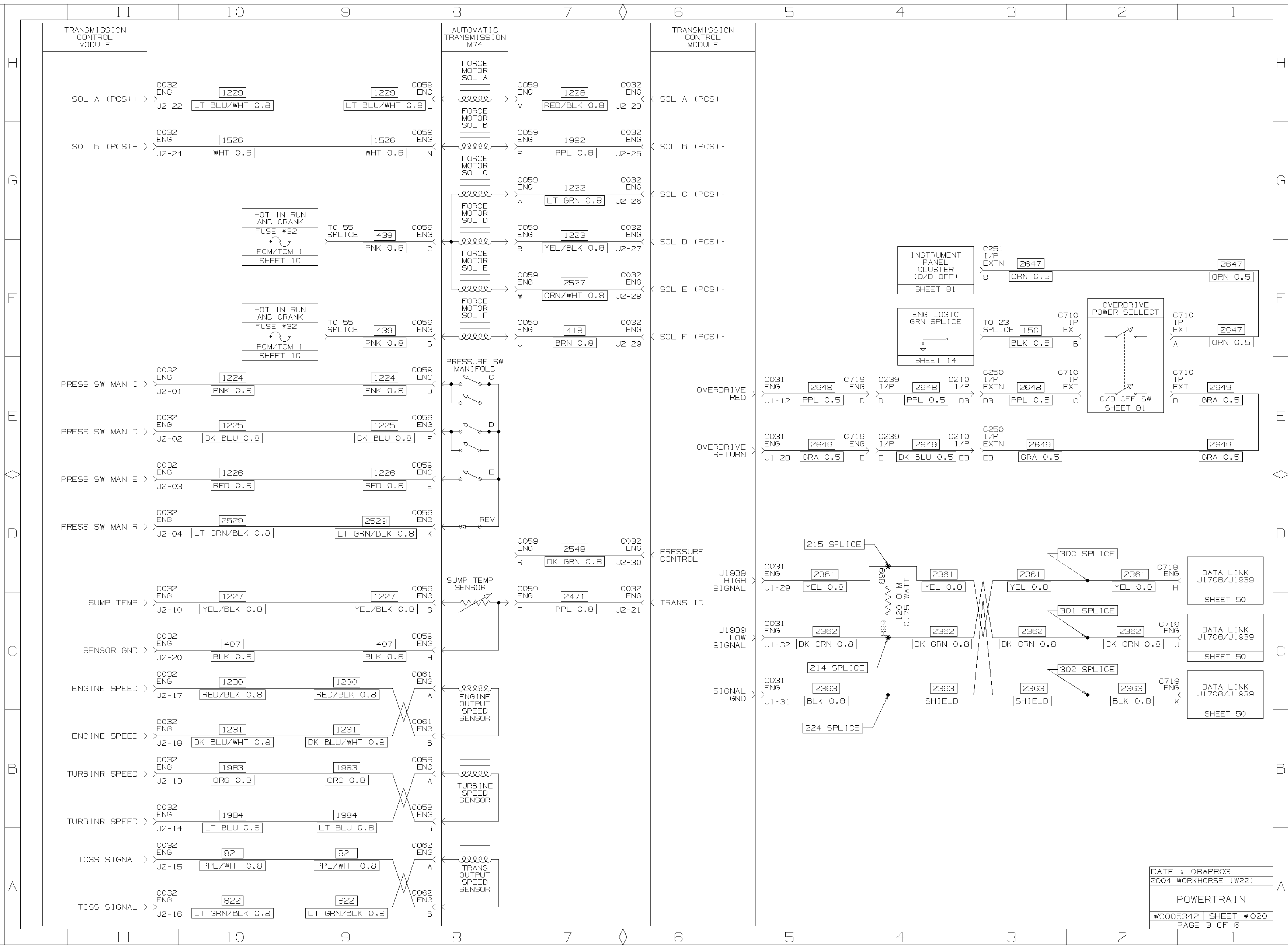


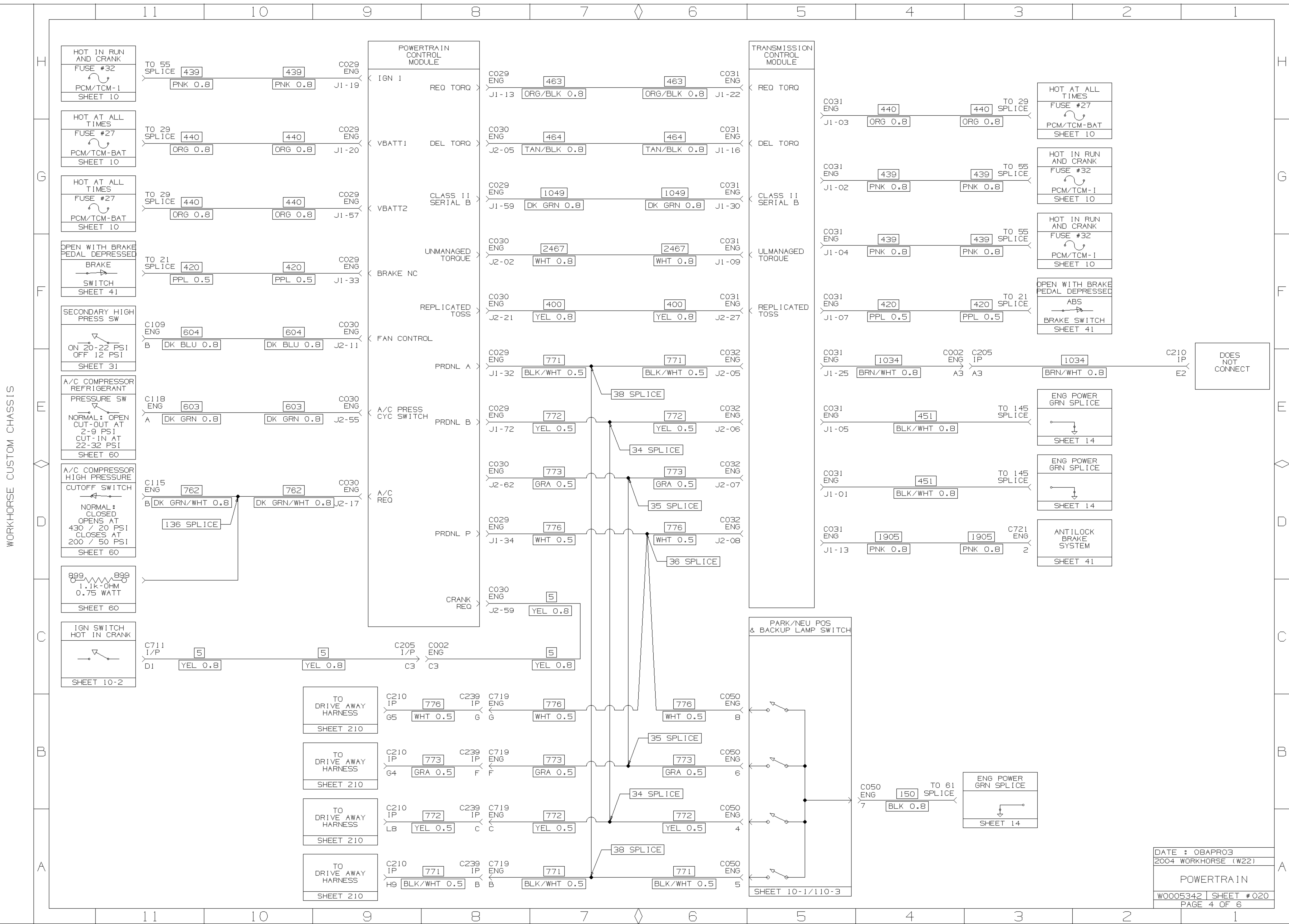


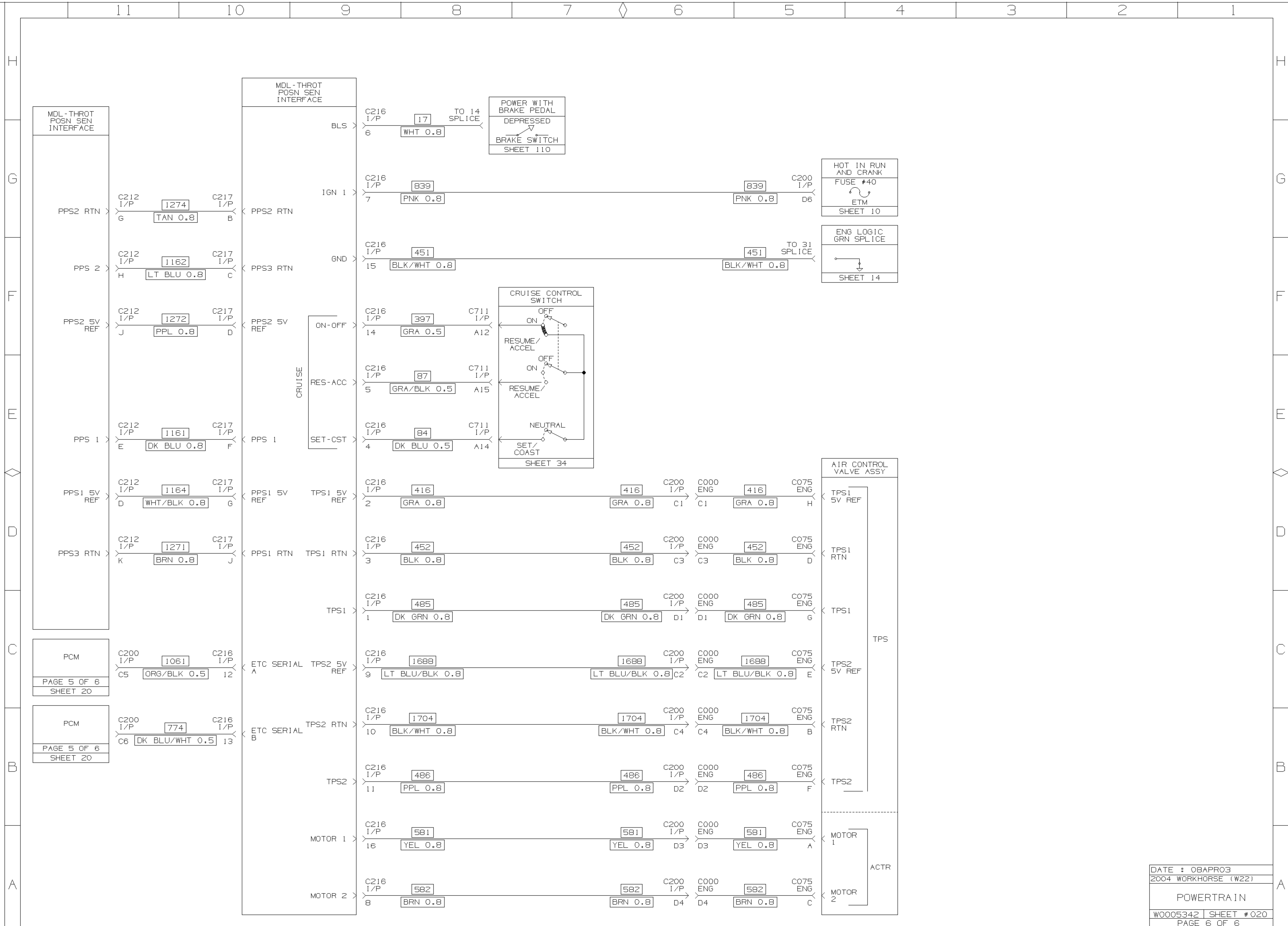


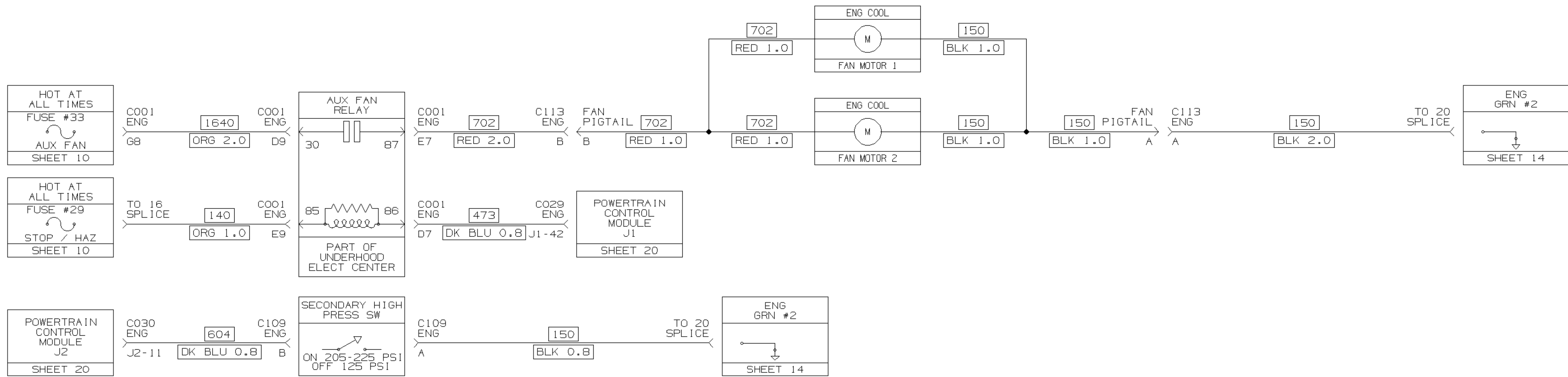


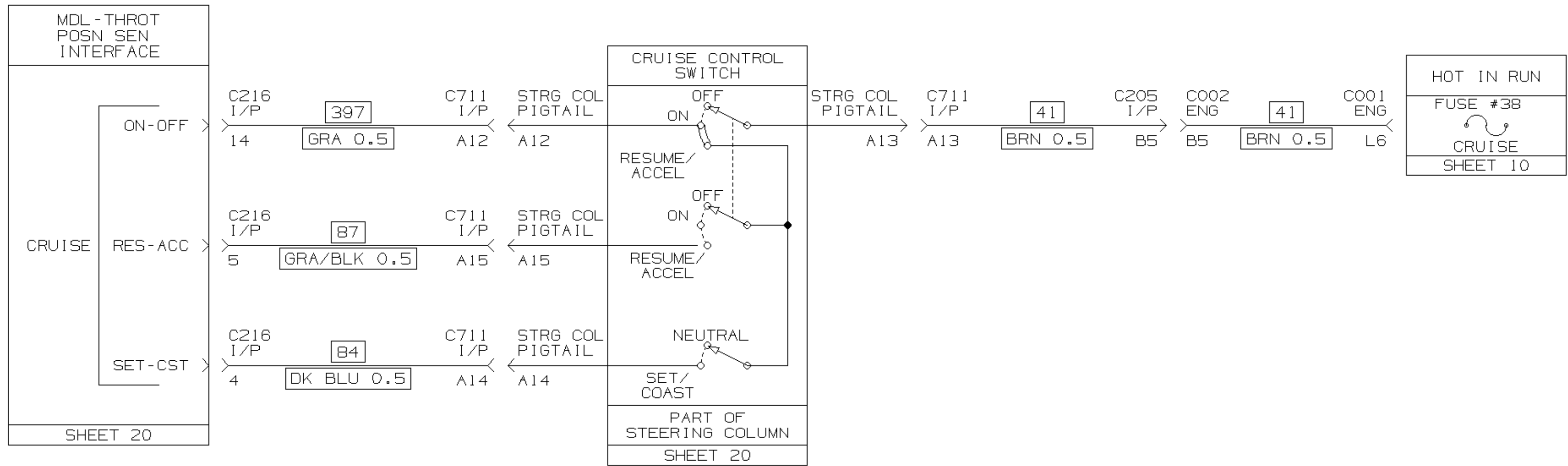


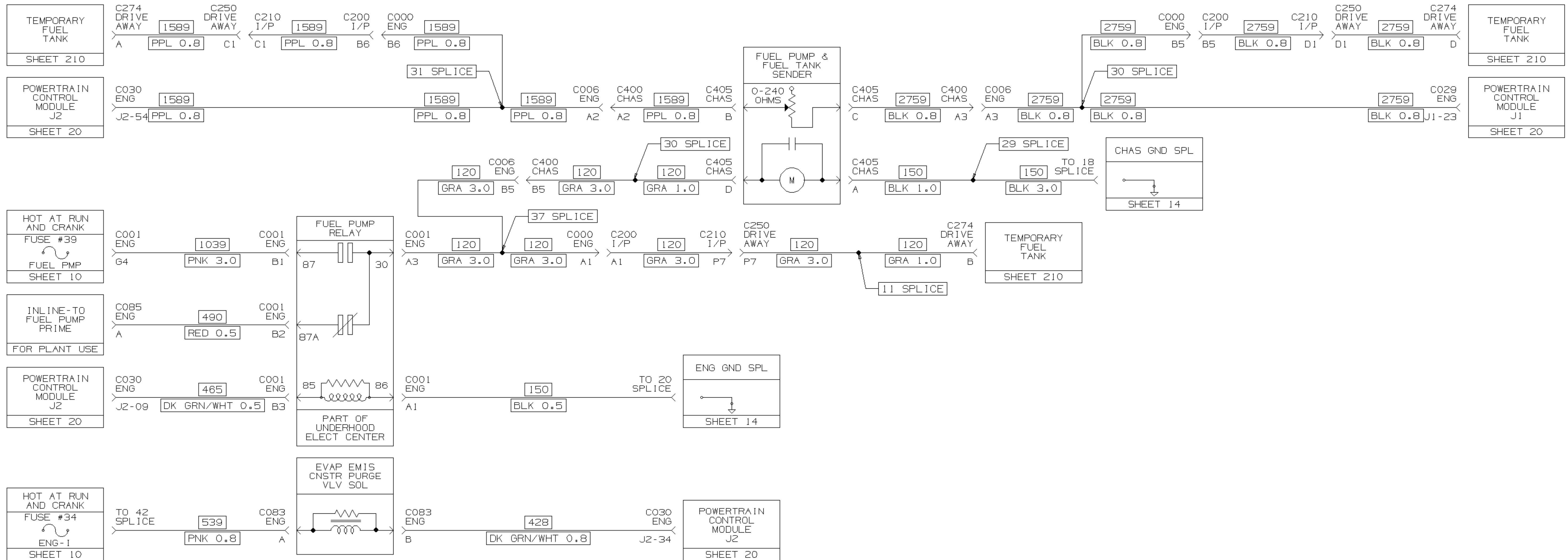


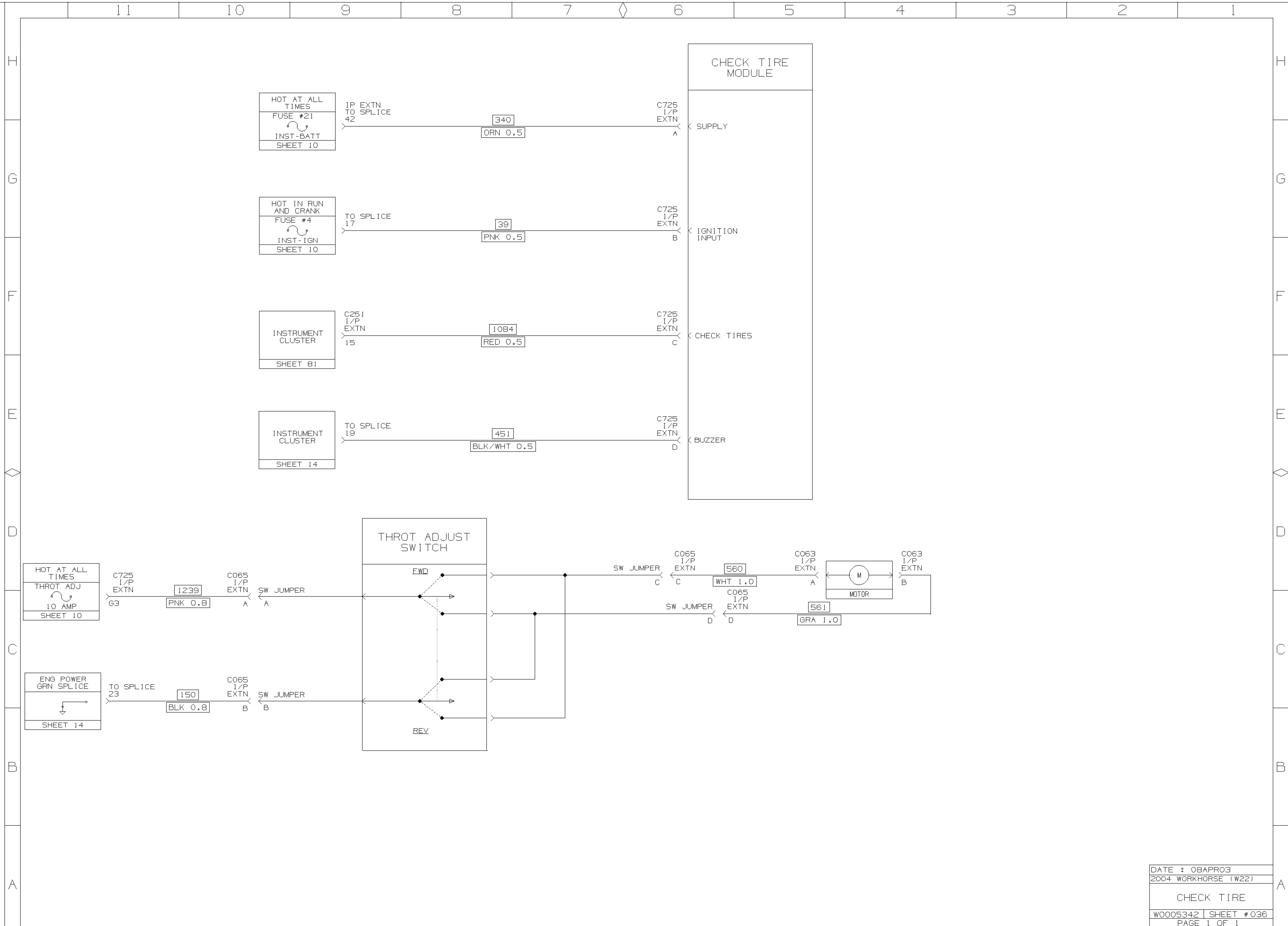


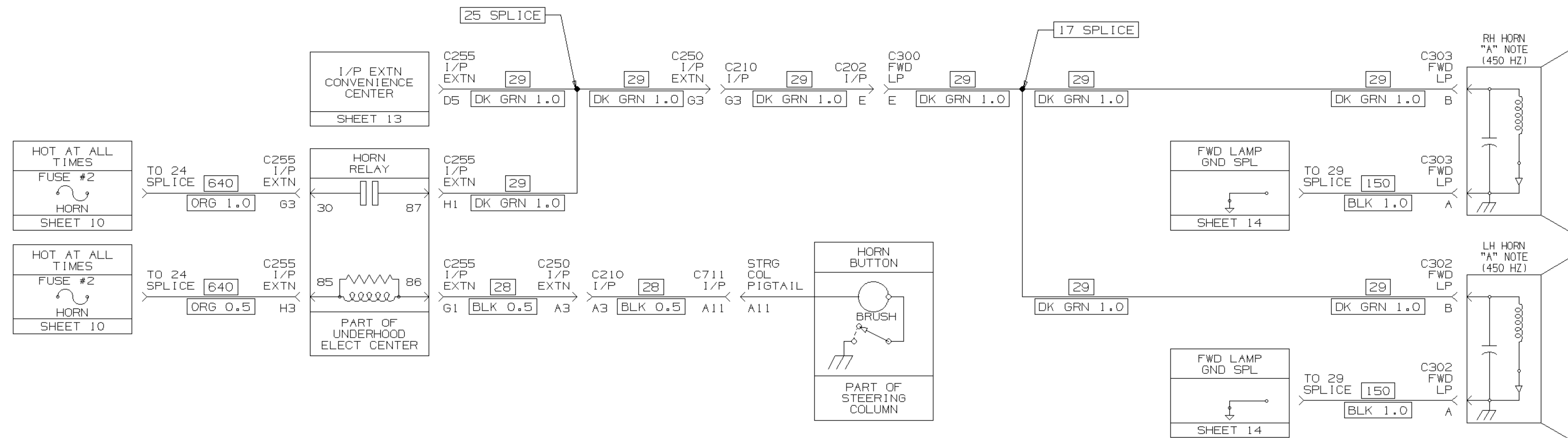


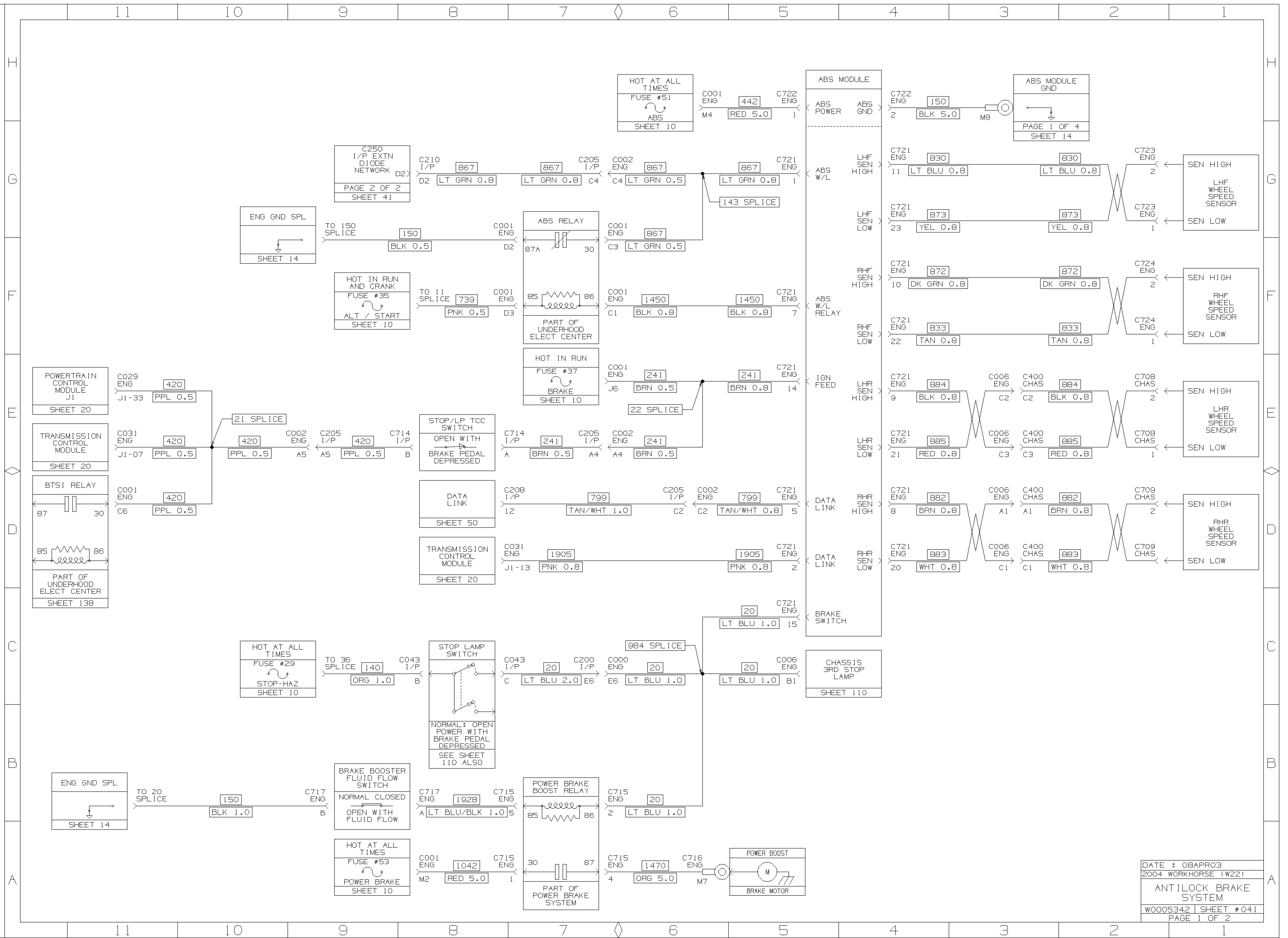


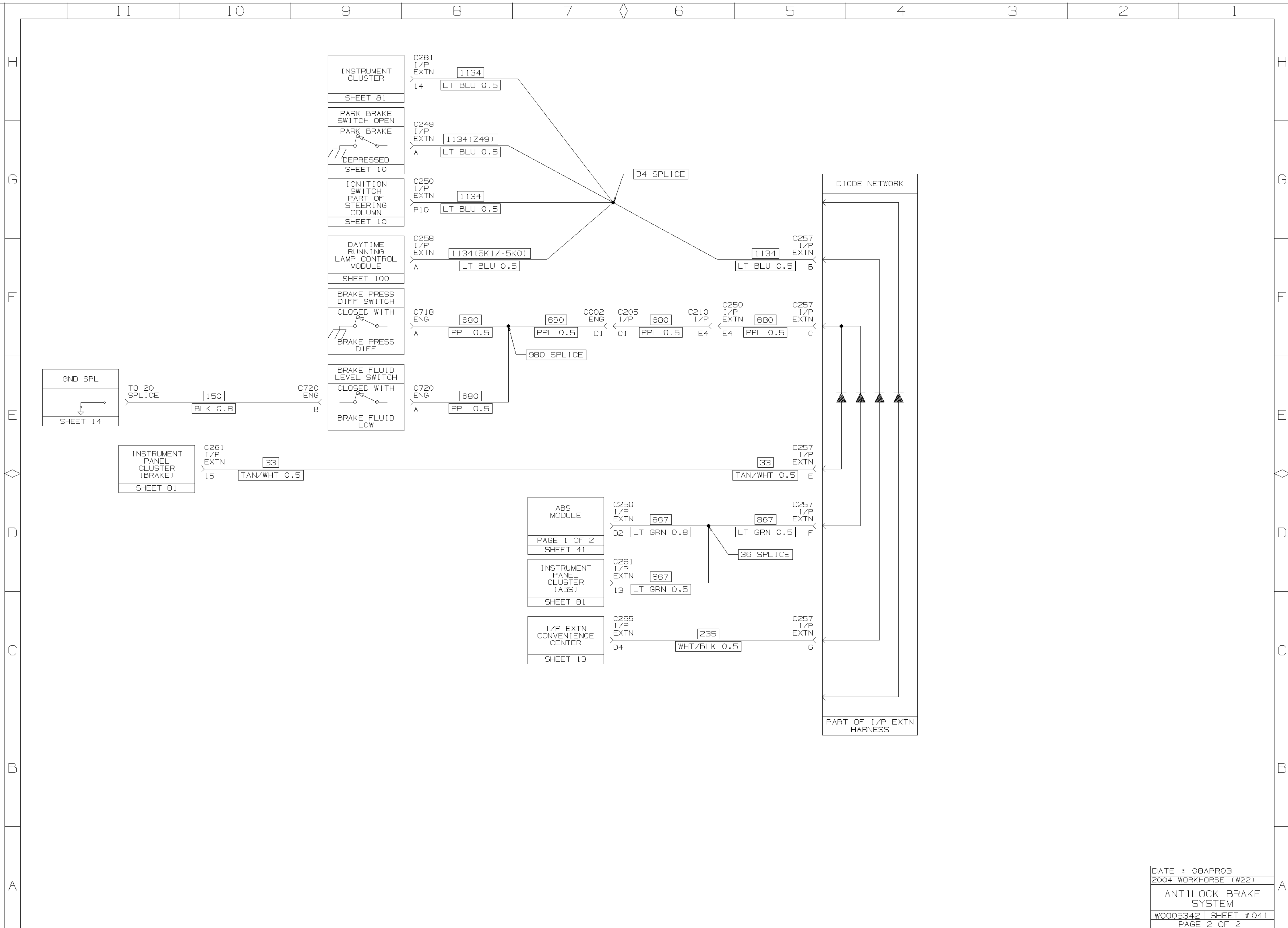


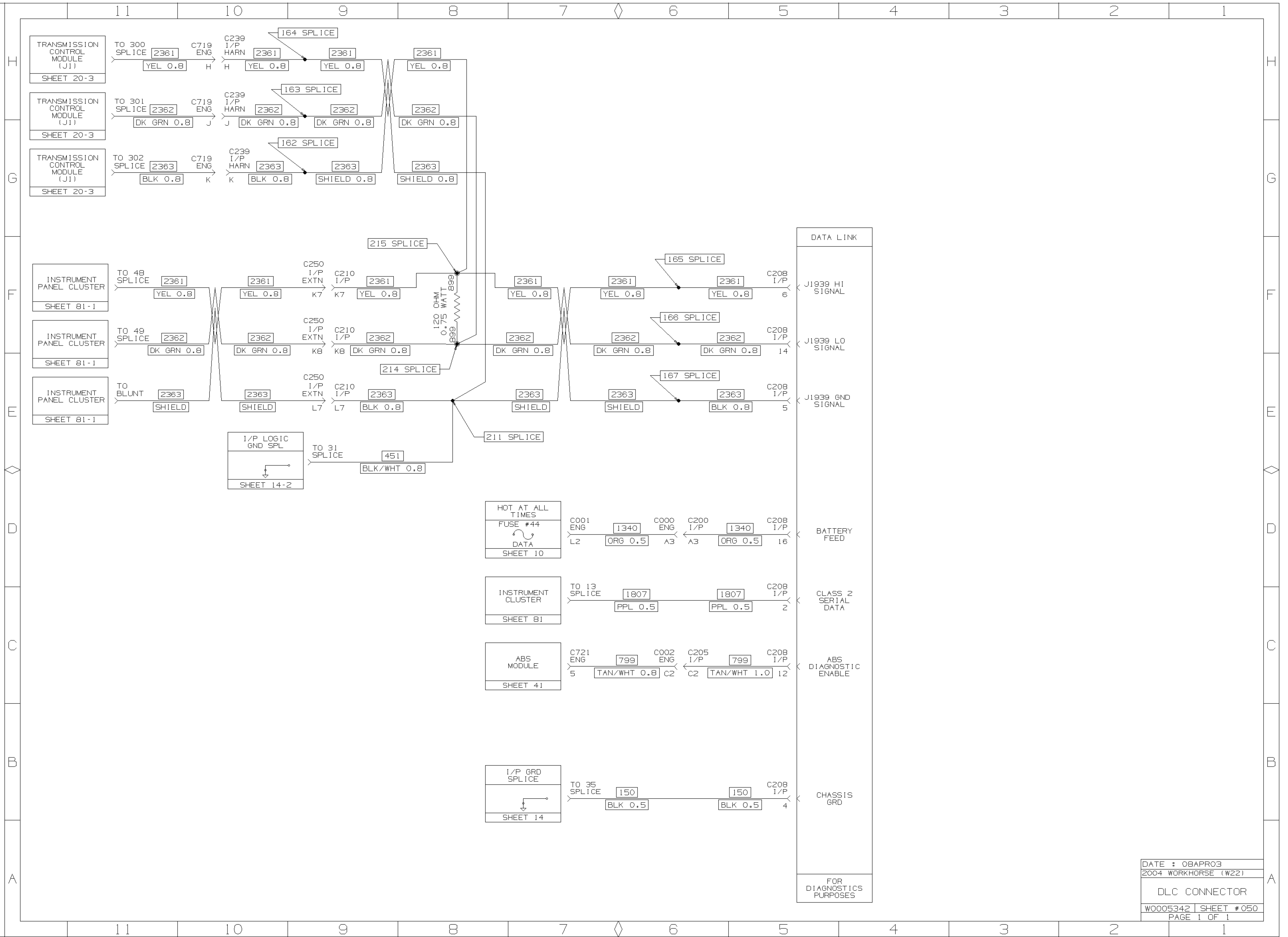


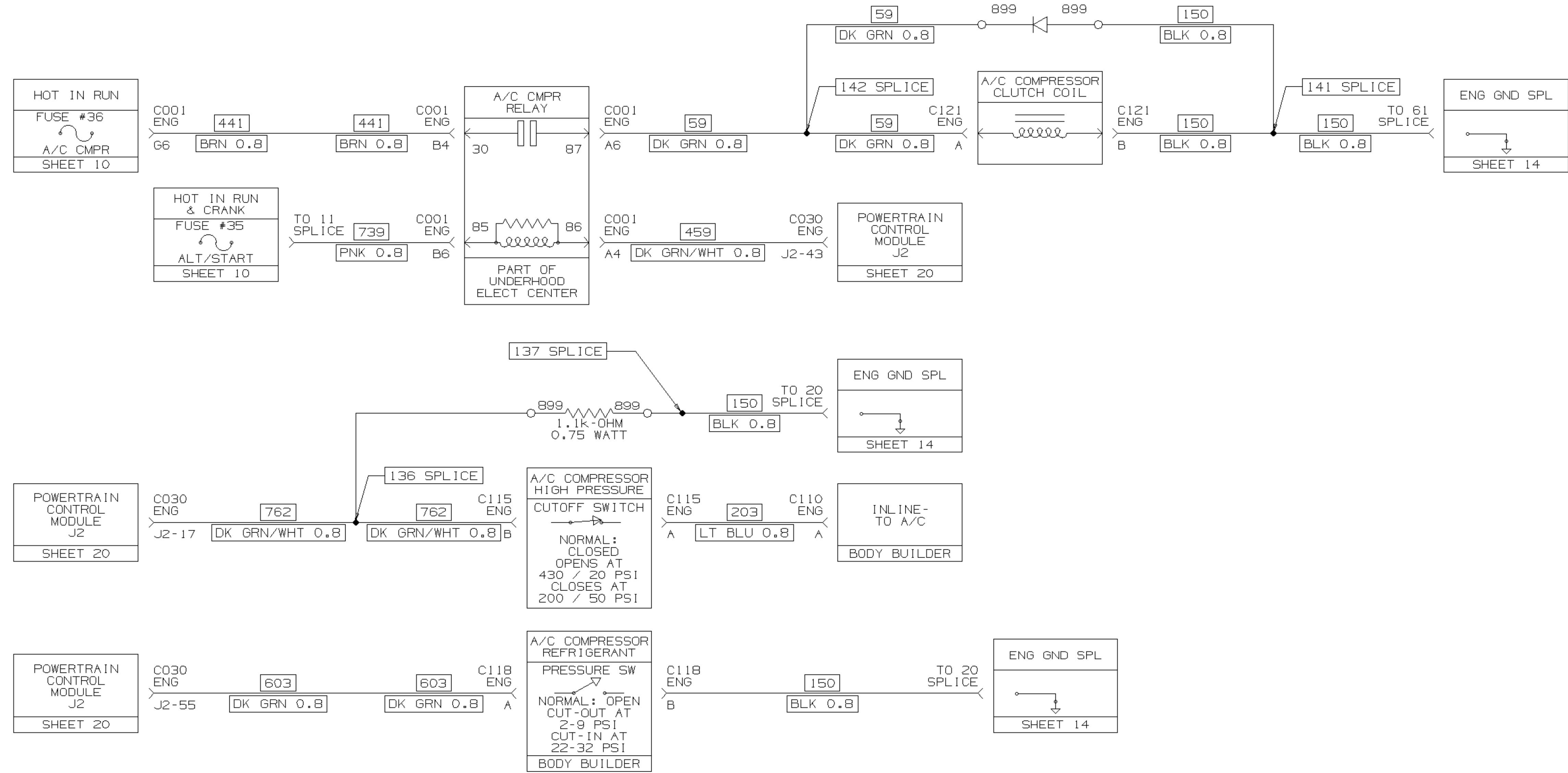


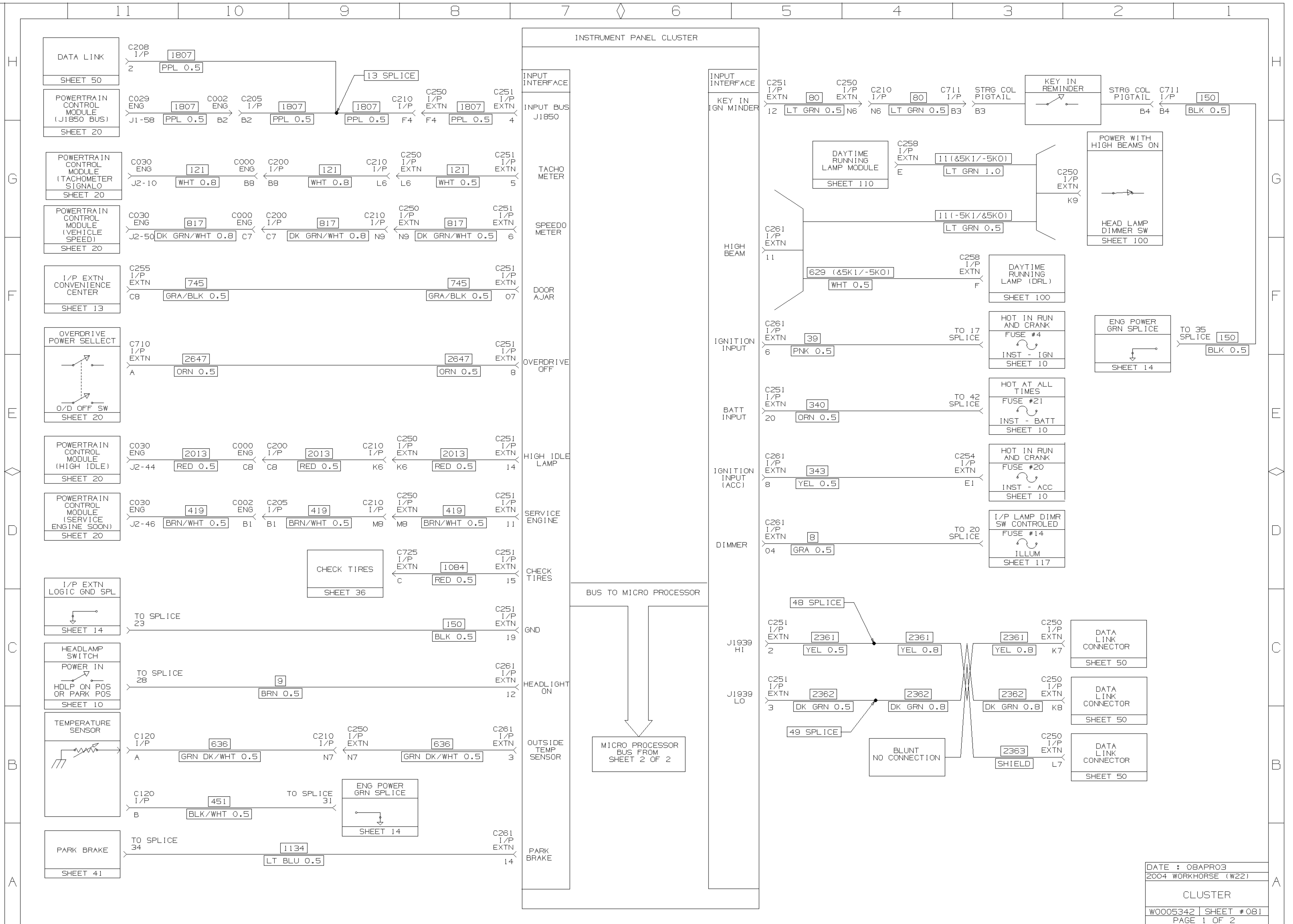


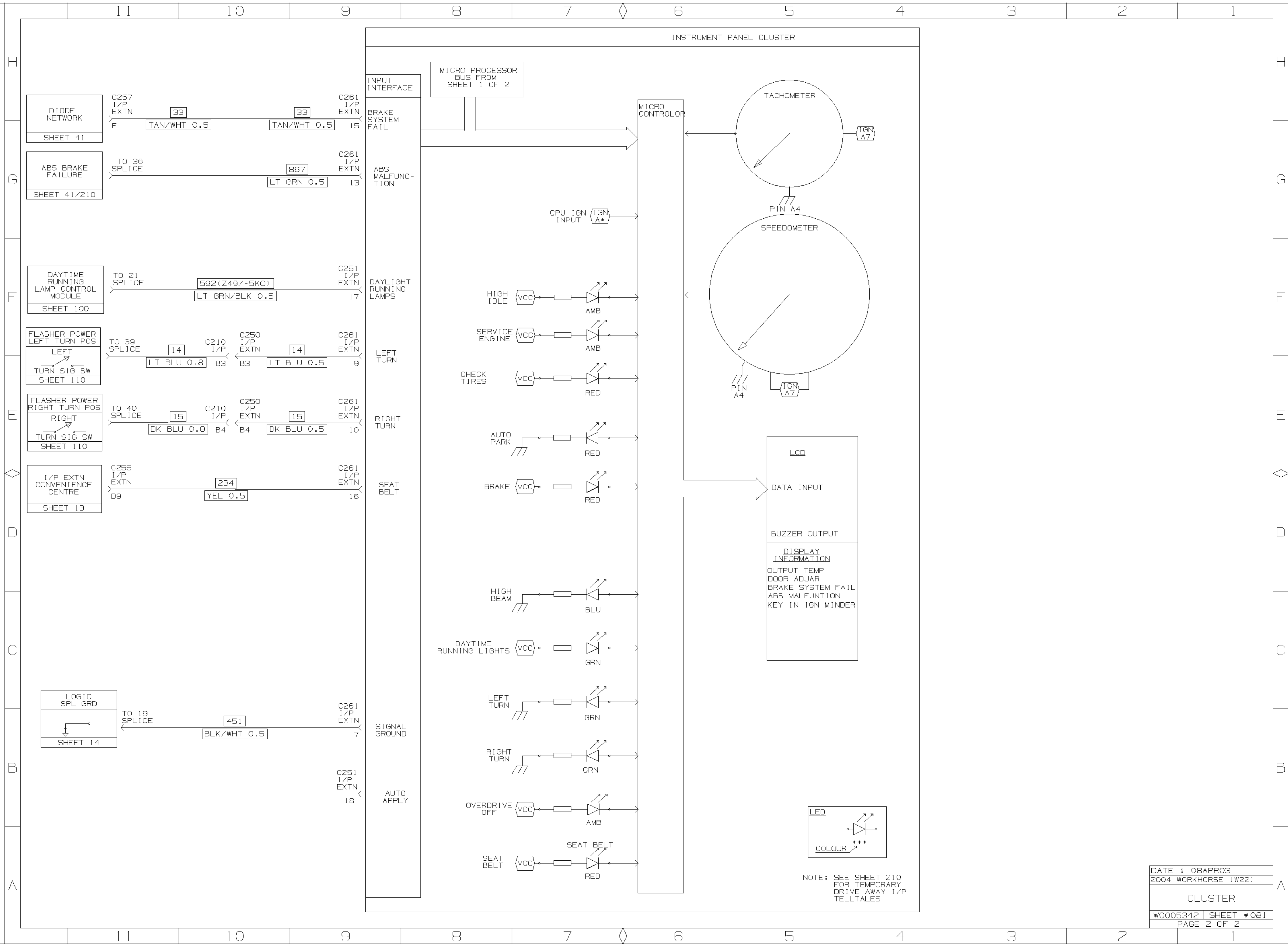


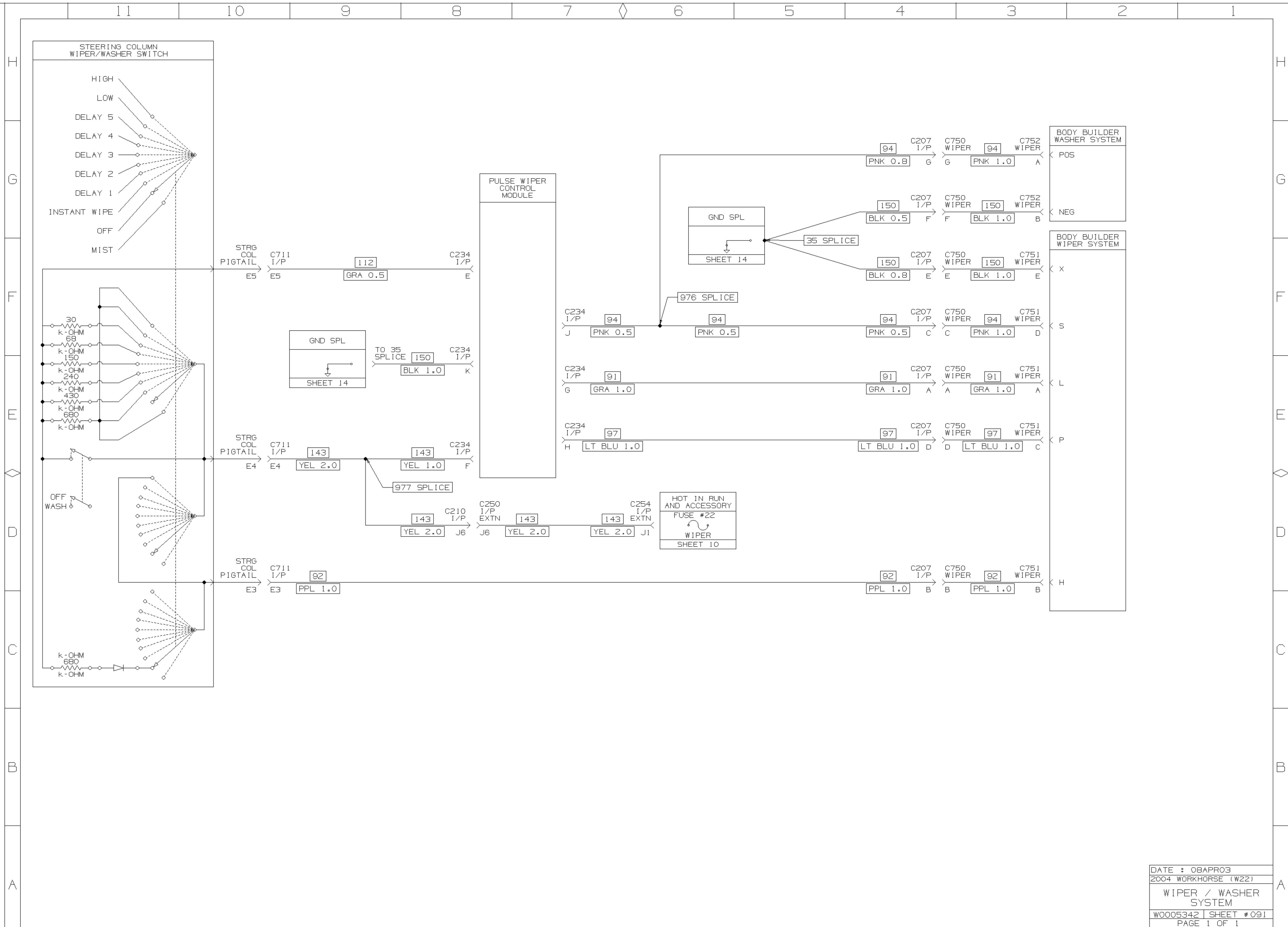


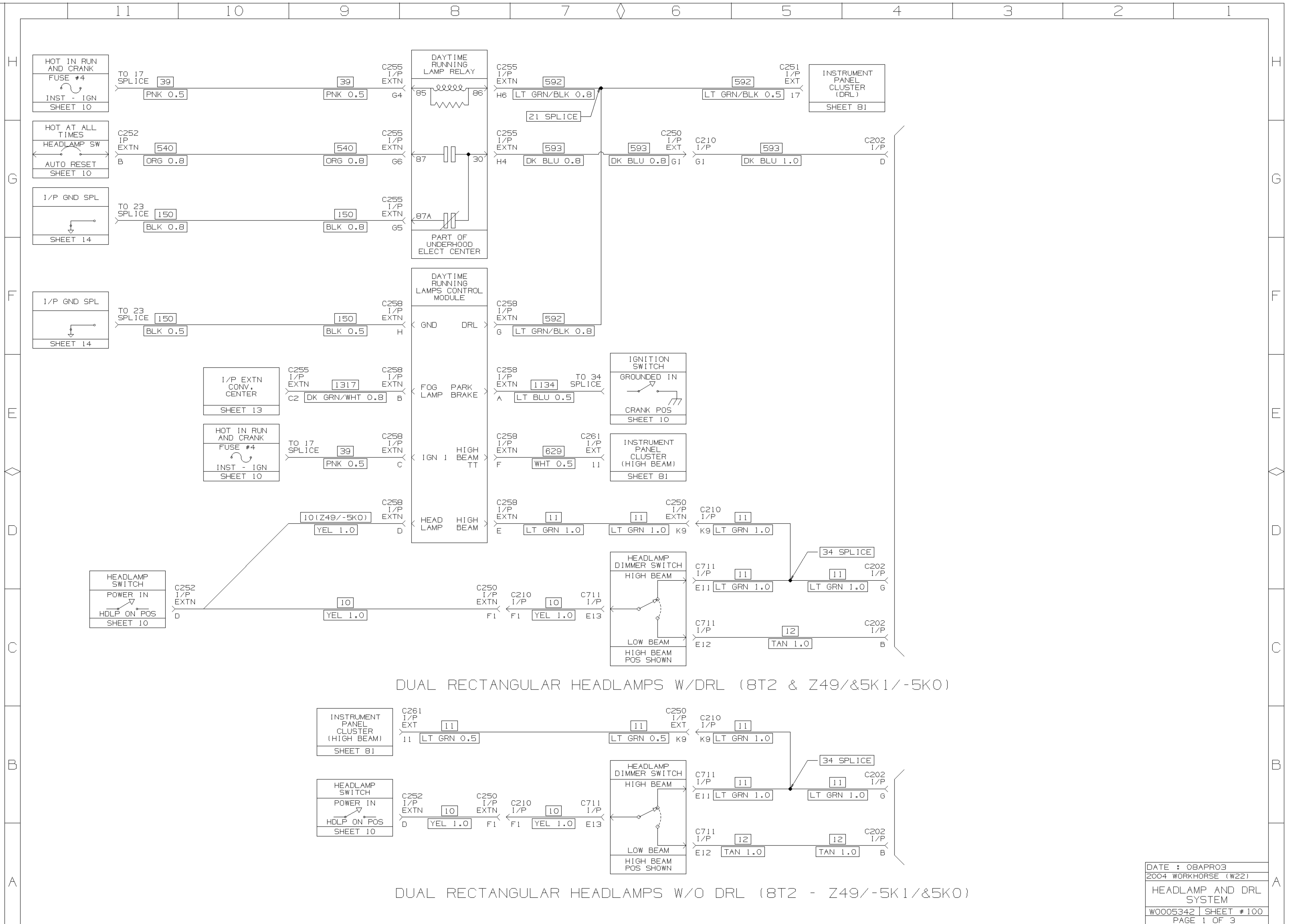


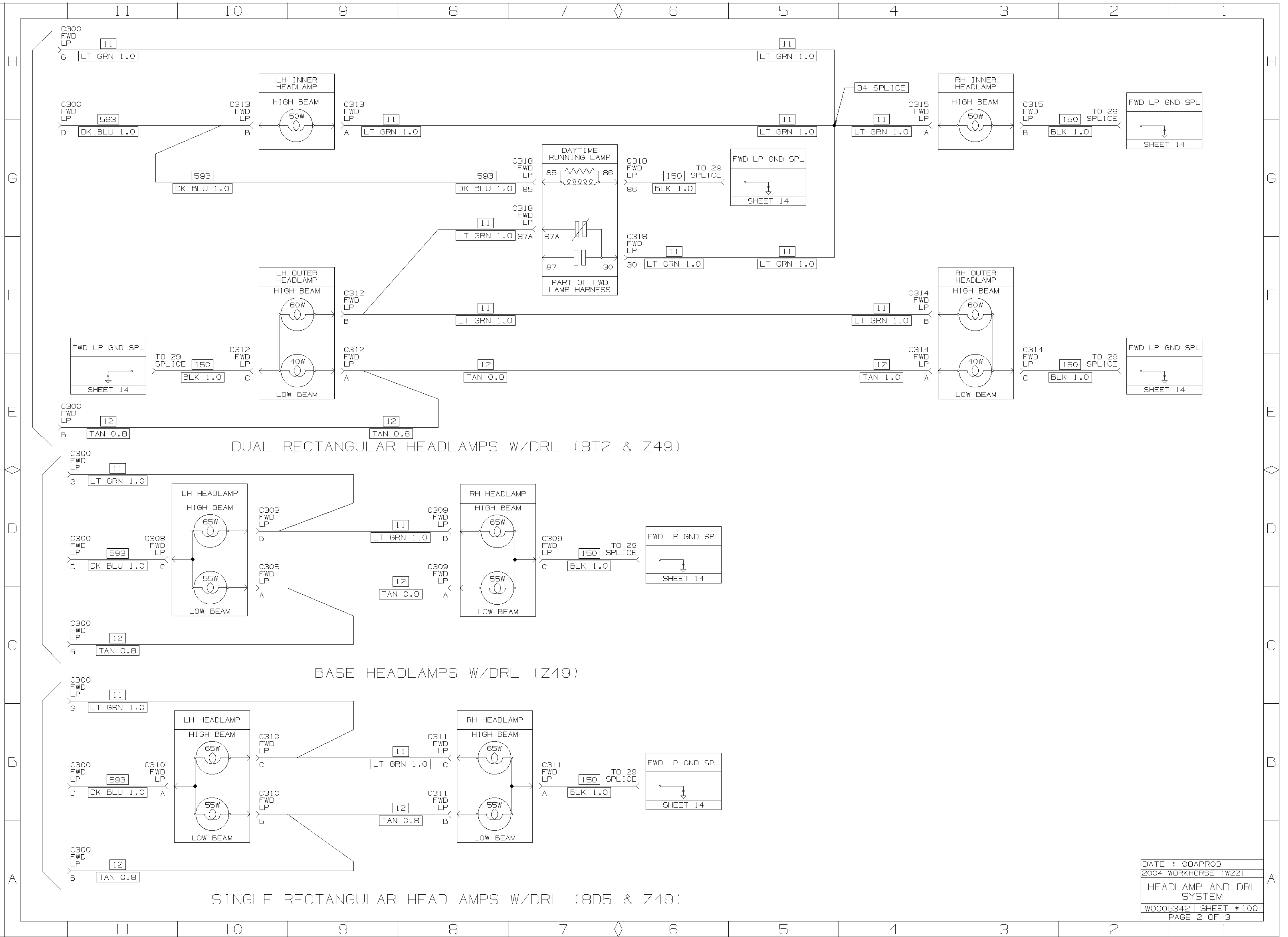


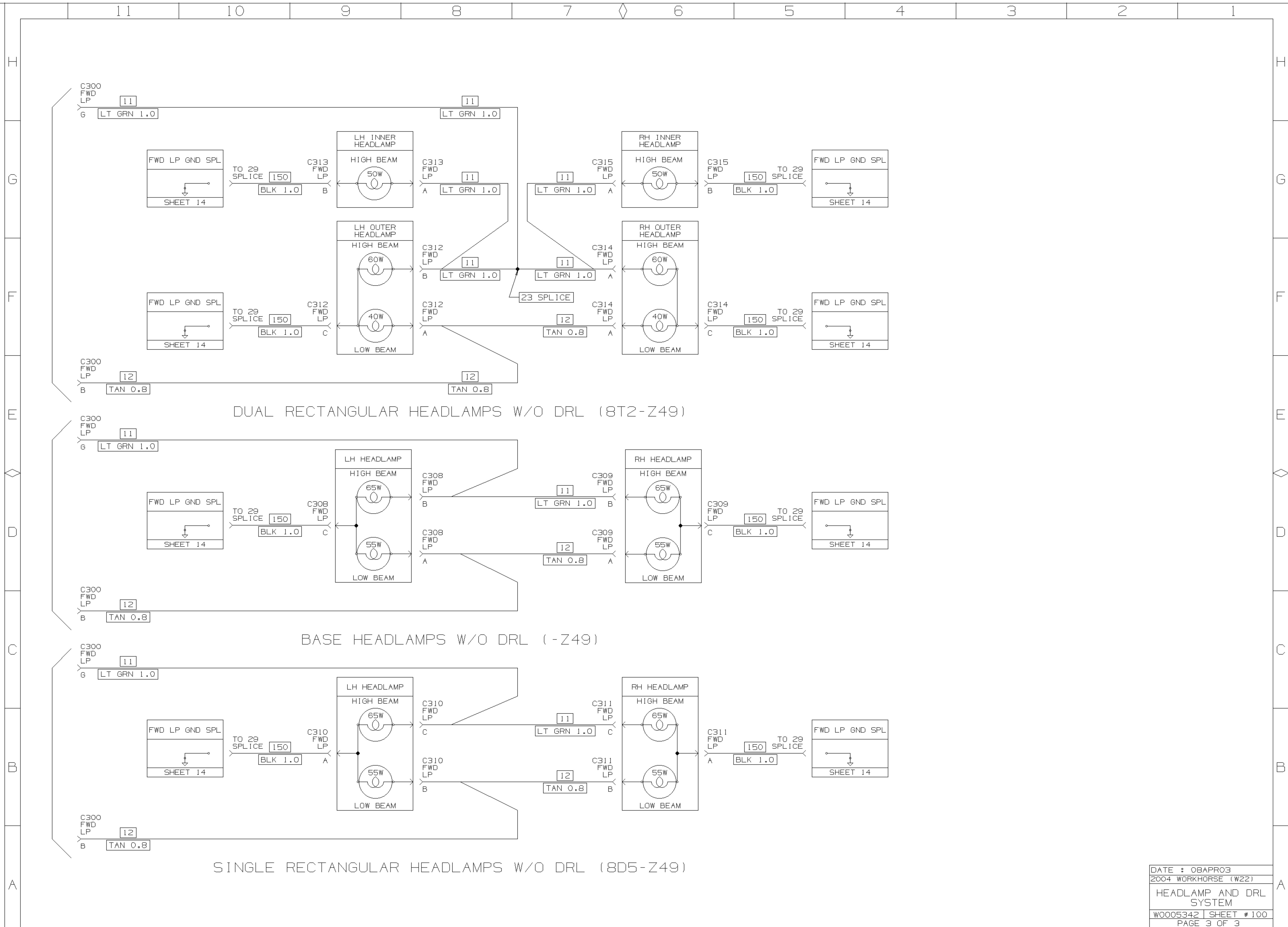


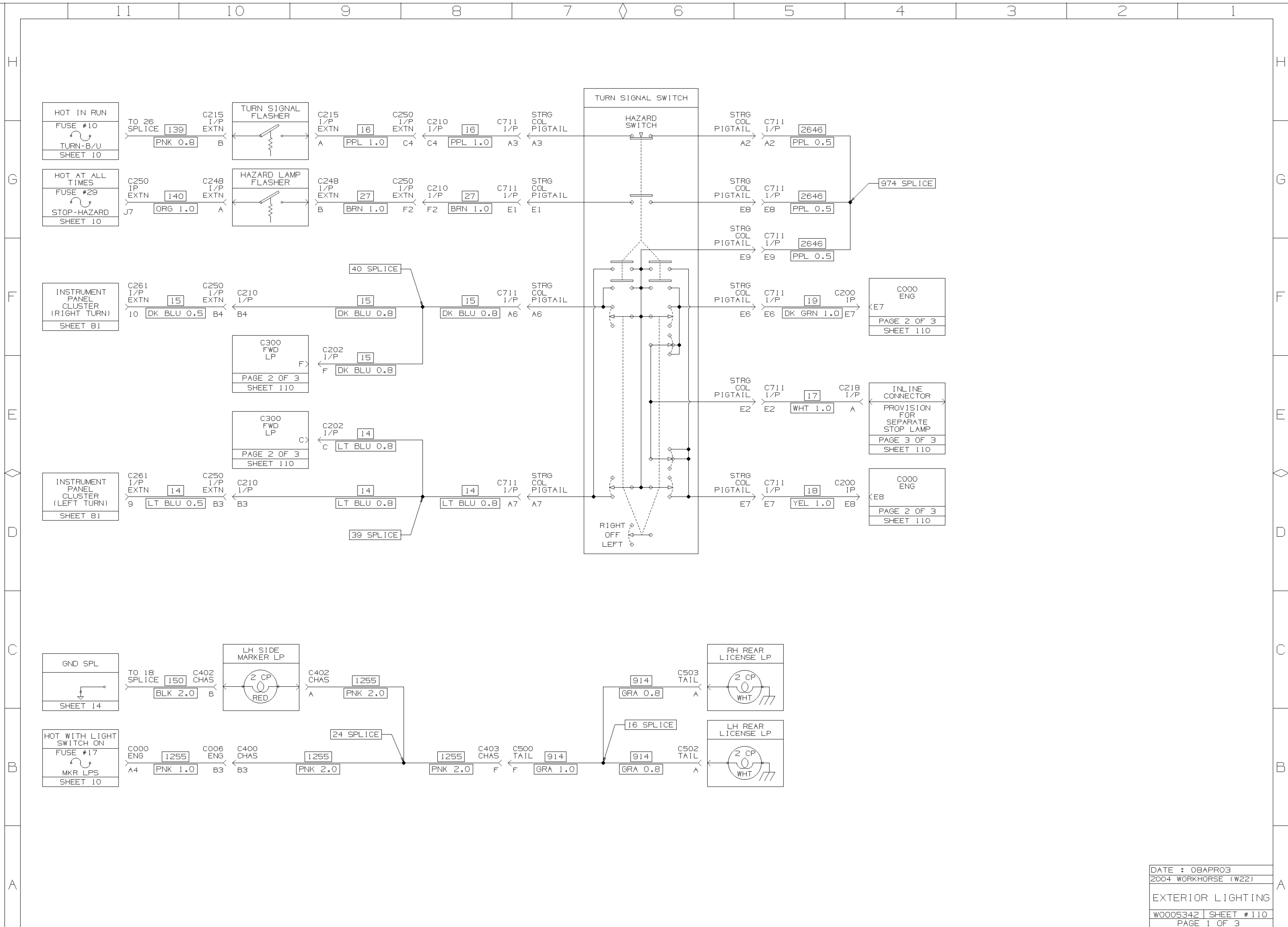


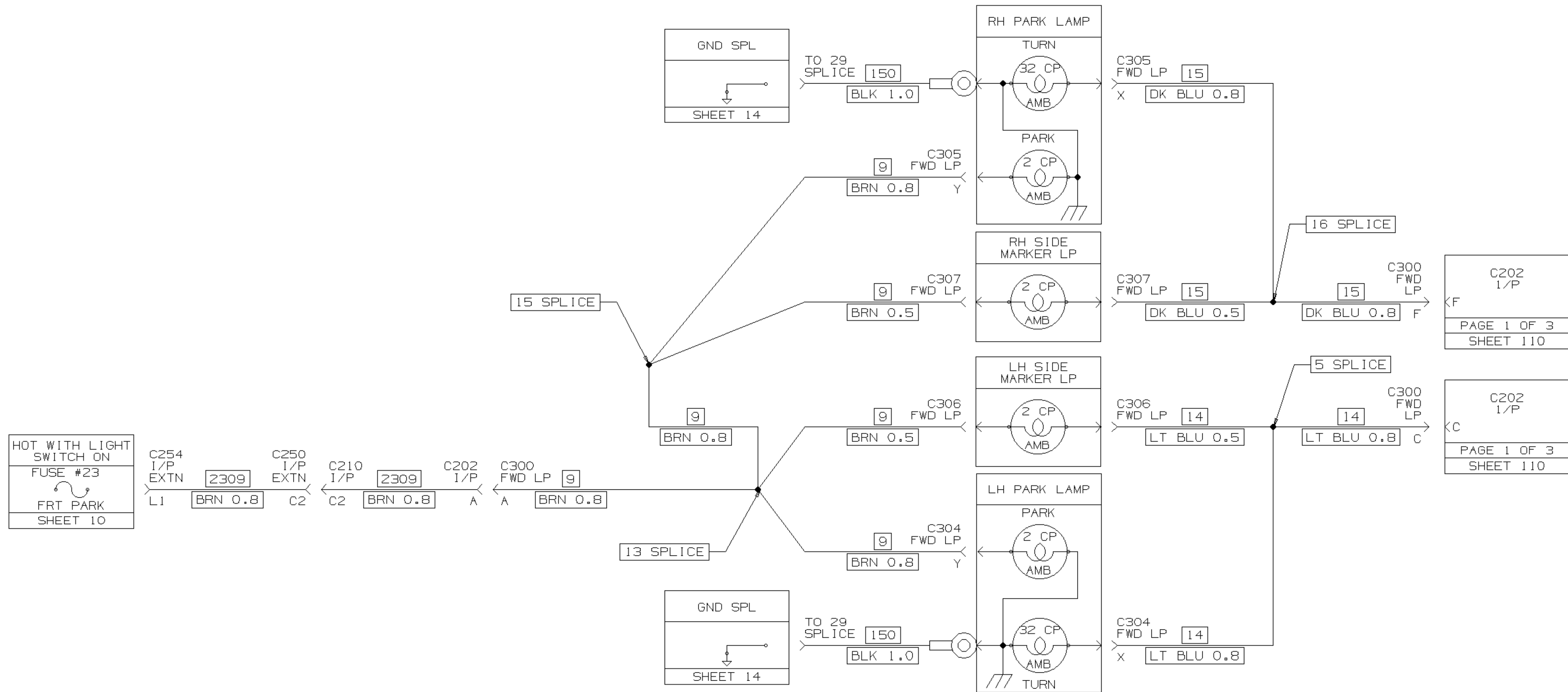










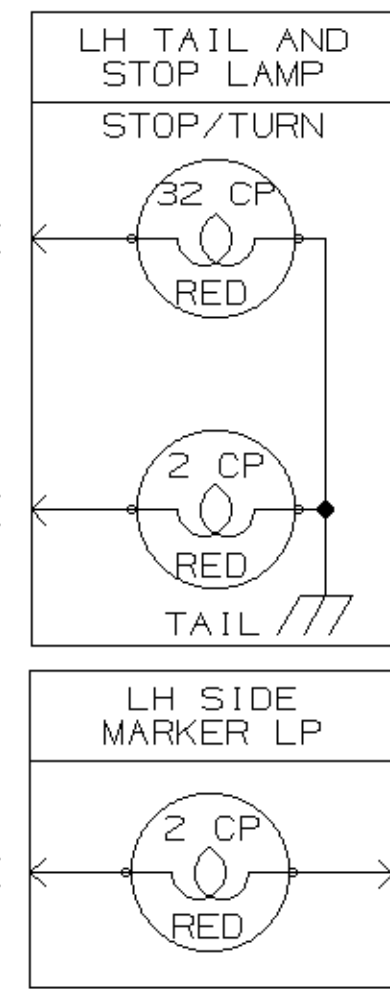
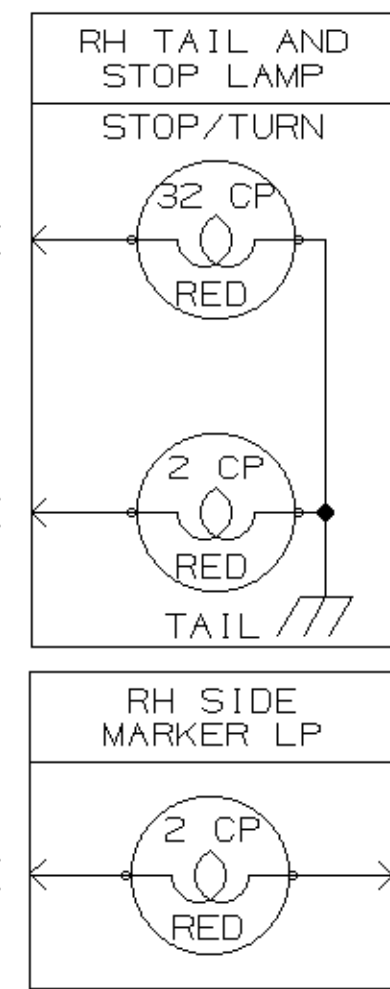


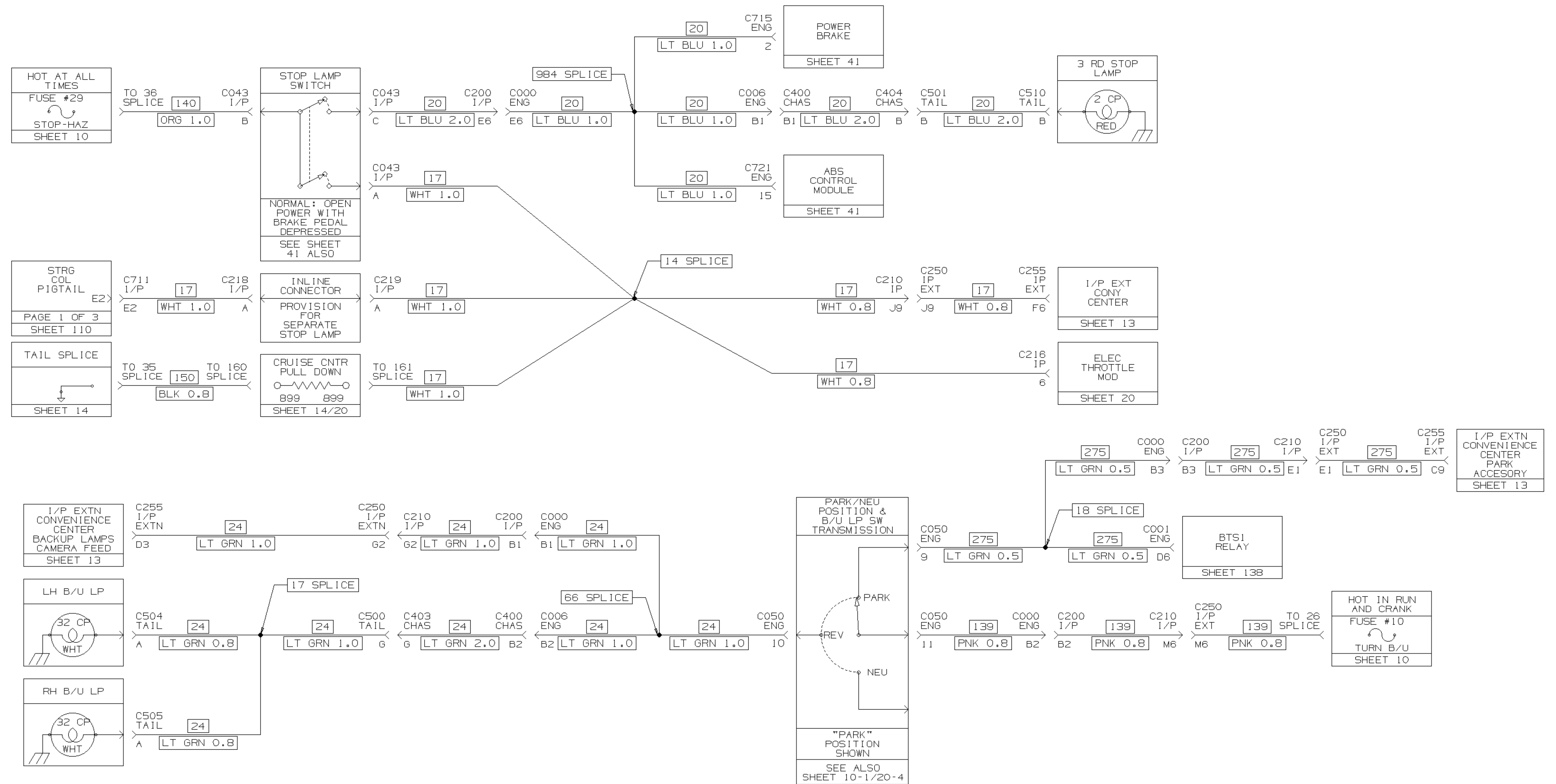
C200
1/P
PAGE 1 OF 3
SHEET 110

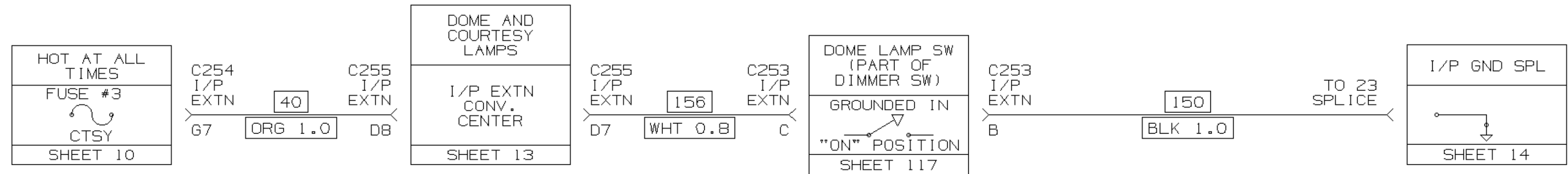
HOT WITH LIGHT
SWITCH ON
FUSE #43
RH TAIL
SHEET 10

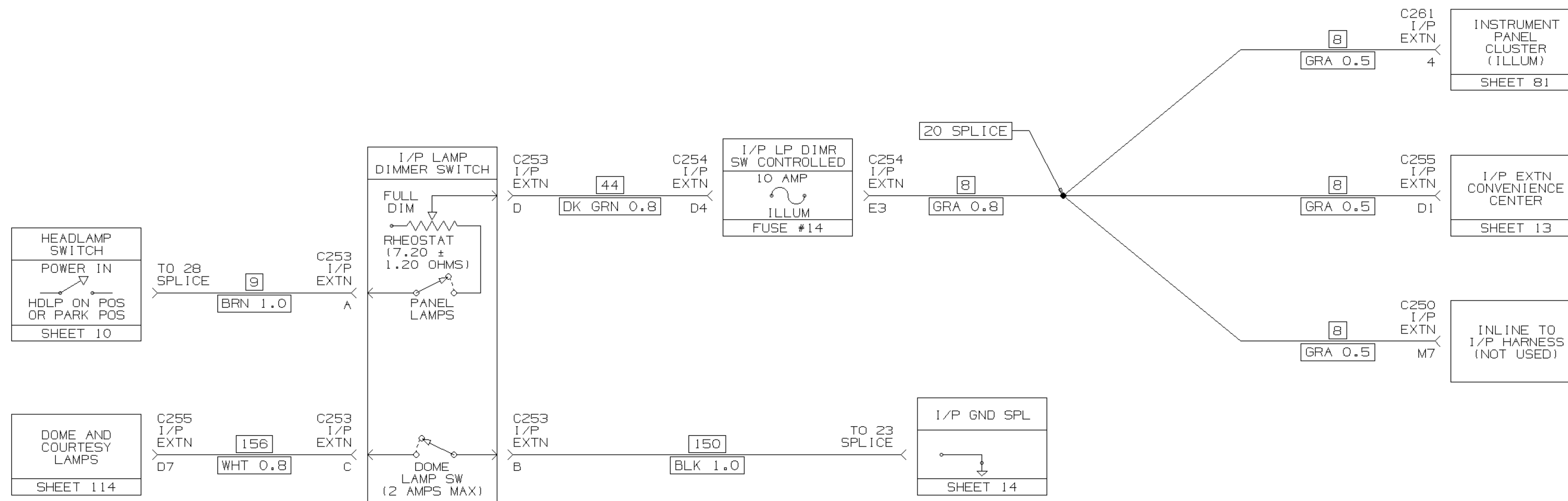
C200
1/P
PAGE 1 OF 3
SHEET 110

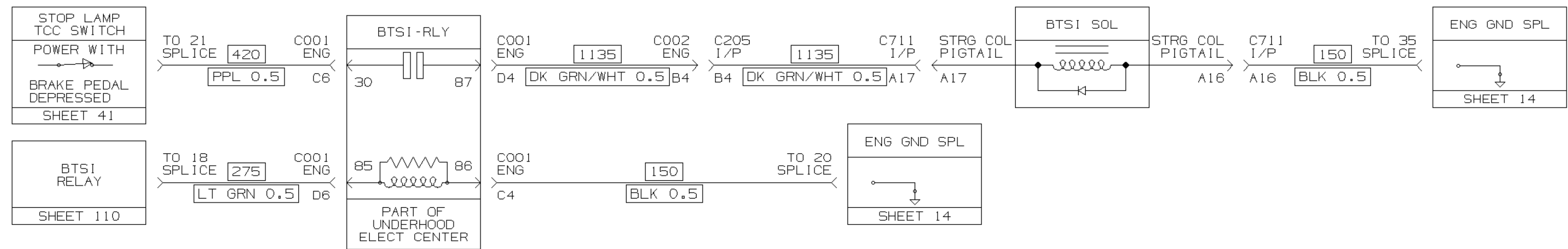
HOT WITH LIGHT
SWITCH ON
FUSE #42
LH TAIL
SHEET 10

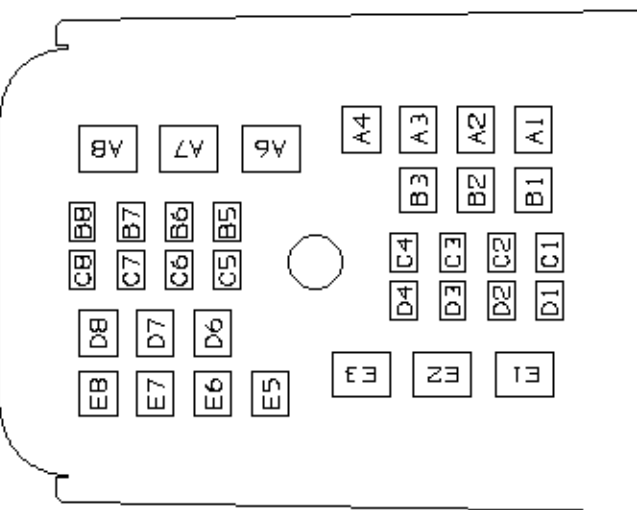
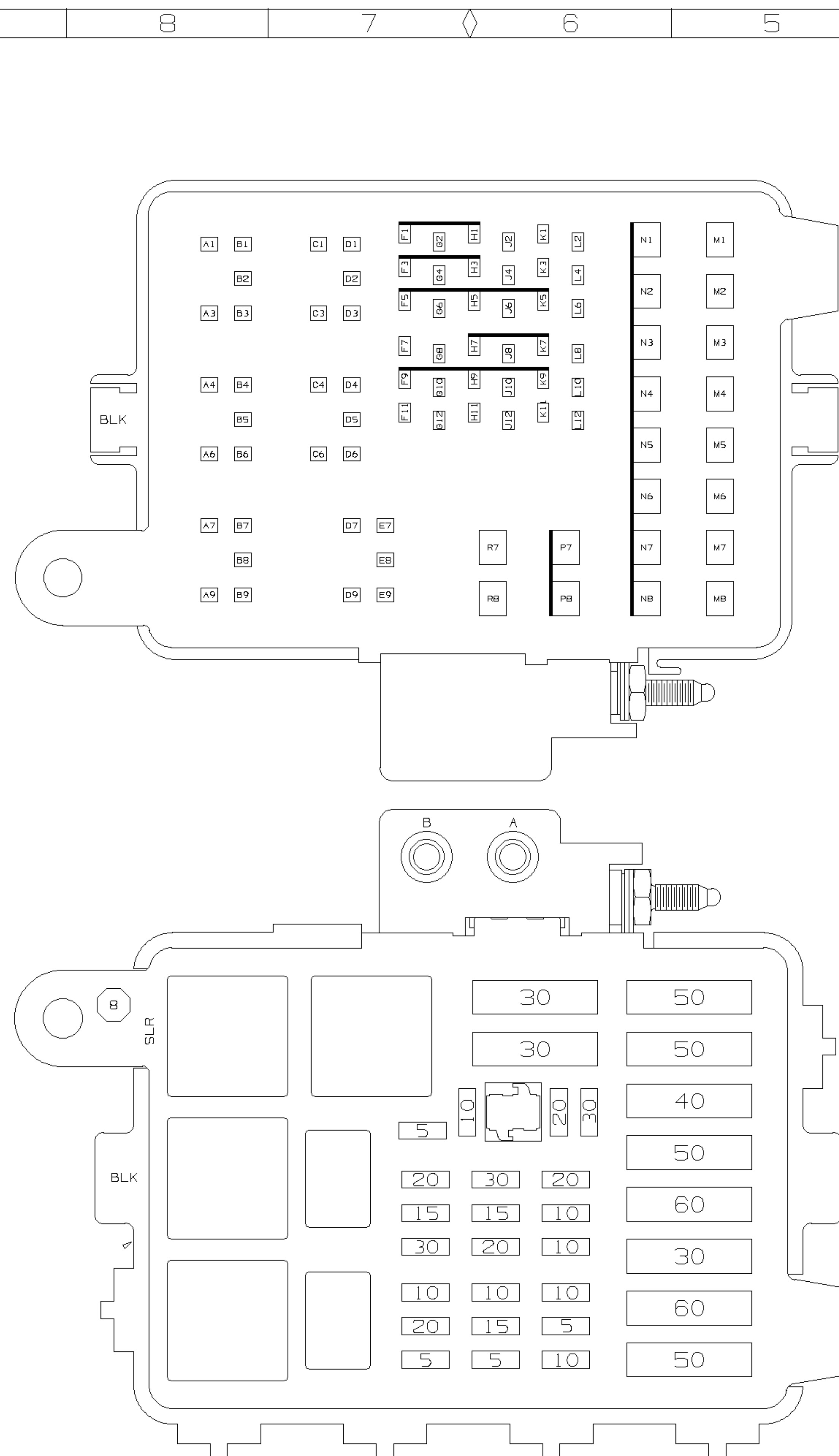










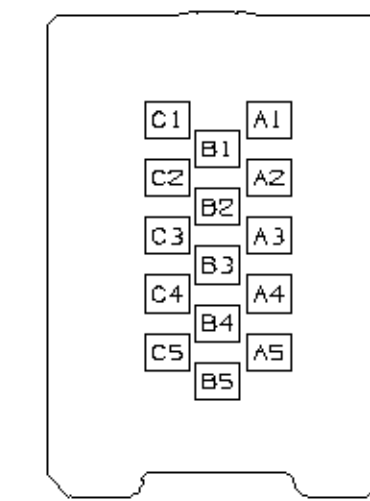


COO0

ITEM NO: 1	
12186752 BLK	
INLINE-TO I/P HARN	
CAV	WIRE
A1	120A
A2	9
A3	1340
A4	1255
A6	42A
A7	142A
A8	242C
B1	24A
B2	139
B3	275A
B5	2759A
B6	1589A
B7	30
B8	121
C1	416
C2	1688
C3	452
C4	1704
C5	1061
C6	774
C7	817
C8	2013
D1	485
D2	486
D3	581
D4	582
D6	839
D7	451H
D8	140C
E1	3A
E2	300
E3	342
E5	542
E6	20A
E7	19
E8	18

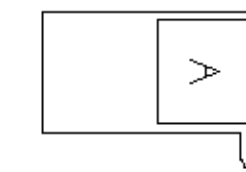
COO1

ITEM NO: 8	
12146281 BLK	
PWR DISTR BLK	
CAV	WIRE
A1	150M
A3	120C
A4	459
A6	59A
A7	447
A9	242B
B1	1039
B2	490
B3	465
B4	441
B5	
B6	739B
B7	6
B8	
B9	1737
C1	1450
C3	867A
C4	150A
C6	420B
D1	
D2	150P
D3	739C
D4	1135
D5	
D6	275B
D7	473
D9	1640
E7	702
E8	
E9	140A
F1	9
F3	3C
F5	
F7	642
F9	
F11	742B
G2	809
G4	1039
G6	441
G8	1640
G10	239A
G12	440A
H1	
H3	
H5	300
H7	3B
H9	3E
H11	2H
J2	609
J4	839
J6	241A
J8	539A
J10	339A
J12	642
K1	42B
K3	3F
K5	
K7	
K9	
K11	142B
L2	1340
L4	806
L6	41
L8	739A
L10	439A
L12	140B
M1	742C
M2	1042
M3	542
M4	442
M5	342
M6	242A
M7	142C
MB	42C
N1	
N2	
N3	
N4	
N5	
N6	
N7	
NB	



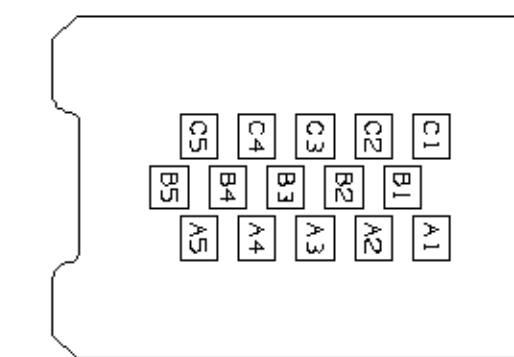
COO2

ITEM NO: 19	
12161186 BLK	
INLINE-TO I/P HARN	
CAV	WIRE
A1	742A
A2	534
A3	1034
A4	241C
A5	420A
B1	419
B2	1807
B3	499
B4	1135
B5	41
C1	680A
C2	799
C3	5
C4	867B
C5	25



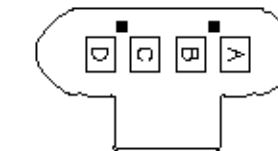
COO5

ITEM NO: 12	
12059884	
INLINE-TO F/PMP PRIME	
CAV	WIRE
A	490



COO6

ITEM NO: 74	
12161186 BLK	
INLINE-TO CHAS HARN	
CAV	WIRE
A1	882
A2	1589C
A3	2759C
A4	18
A5	809
B1	20D
B2	24B
B3	1255
B4	150N
B5	120B
C1	883
C2	884
C3	885
C4	19
C5	609



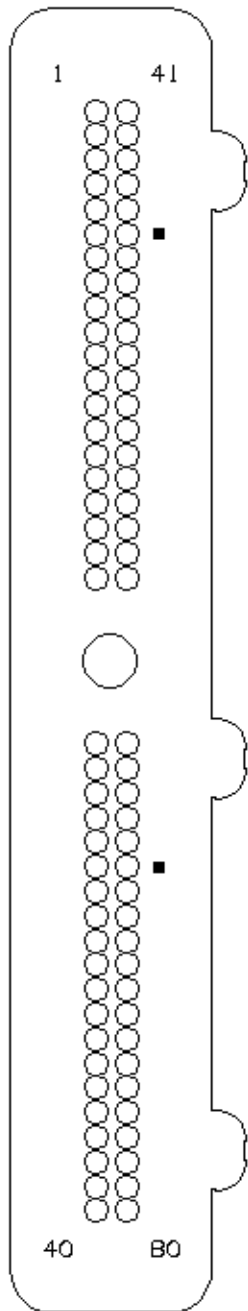
COO17

ITEM NO: 47	
12186568 BLK	
GEN	
CAV	WIRE
A	12059168
B	225
C	23
D	739E

H
G
F
E
D
C
B
A

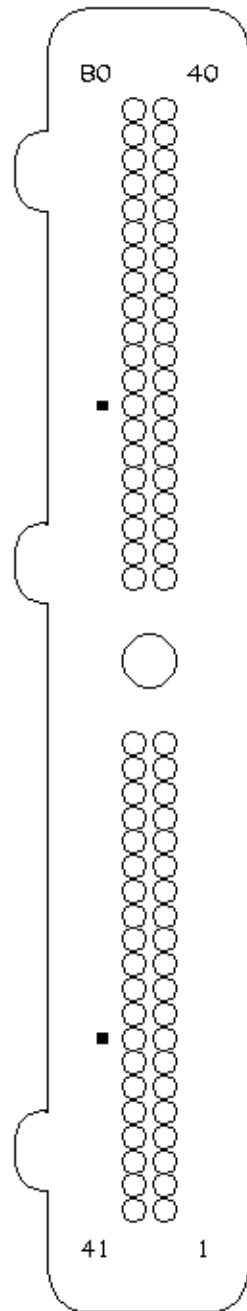
C029

ITEM NO: 3	
12191110 NAT	
MDL-POWERTRAIN CONT -J1	
CAV	WIRE
1	451A
2	1867
3	1746
4	1745
5	
6	
7	705
8	
9	
10	
11	1876
12	1869
13	463
14	1061
15	774
16	
17	
18	
19	439B
20	440C
21	1868
22	
23	2759B
24	451R
25	
26	1667
27	451S
28	
29	1664
30	1478
31	534
32	771A
33	420F
34	776A
35	
36	1744
37	846
38	
39	447
40	451B
41	
42	473
43	877
44	844
45	
46	
47	
48	597
49	
50	
51	496
52	
53	
54	469
55	
56	
57	440B
58	1807
59	1049
60	
61	632
62	
63	2751
64	
65	
66	1666
67	
68	
69	1665
70	
71	
72	772A
73	633
74	410
75	439H
76	845
77	878
78	
79	
80	720



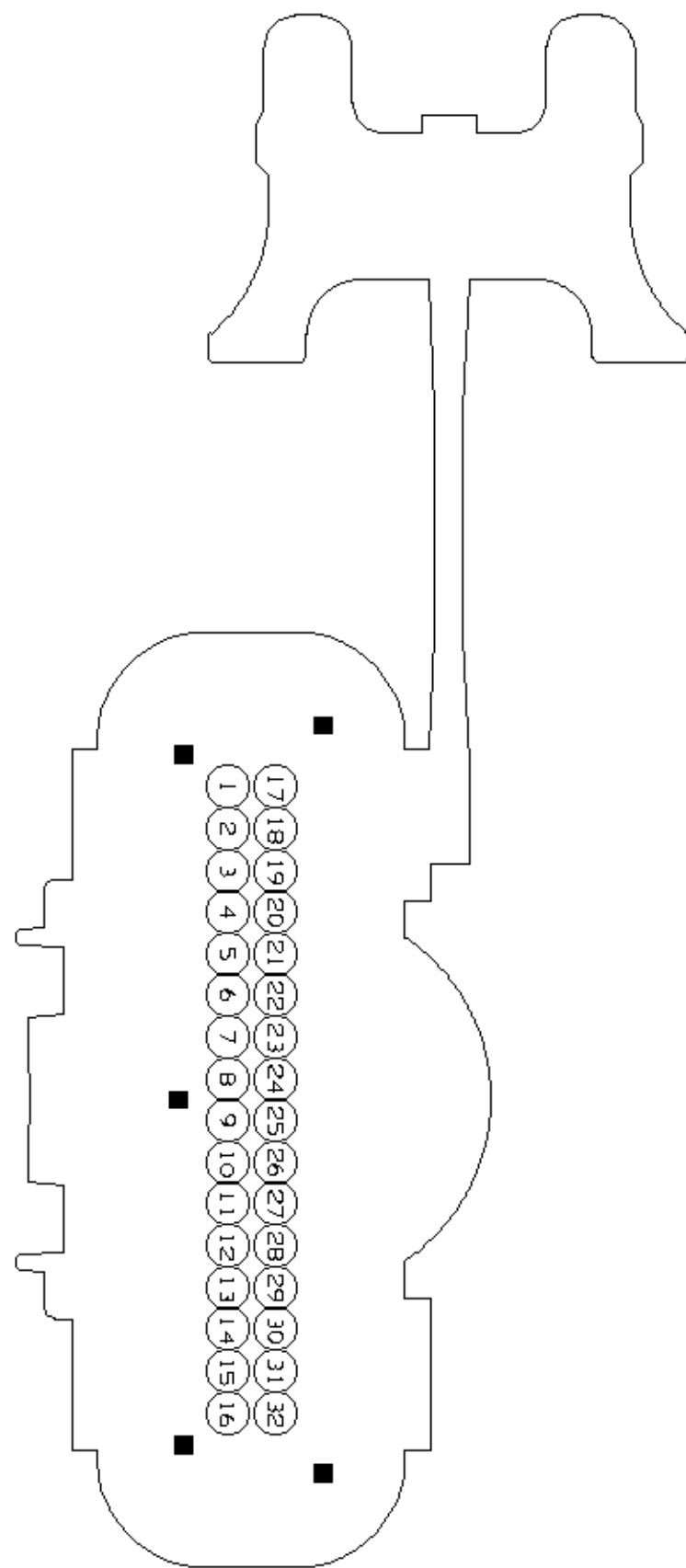
C030

ITEM NO: 2	
12191110 NAT	
MDL-POWERTRAIN CONT -J2	
CAV	WIRE
1	451C
2	2467
3	
4	
5	464
6	
7	
8	
9	465
10	121
11	604
12	
13	
14	
15	225
16	
17	762A
18	
19	
20	
21	400
22	
23	
24	
25	472
26	2121
27	2127
28	2126
29	2124
30	
31	492
32	432
33	
34	428
35	25
36	
37	499
38	30
39	631
40	451E
41	
42	
43	459
44	2013
45	
46	419
47	
48	
49	
50	817
51	
52	
53	
54	1589B
55	603
56	
57	552
58	332
59	5
60	2129
61	2130
62	773A
63	
64	
65	
66	2128
67	2122
68	2125
69	2123
70	1174
71	
72	3113
73	
74	3212
75	23
76	
77	
78	
79	
80	



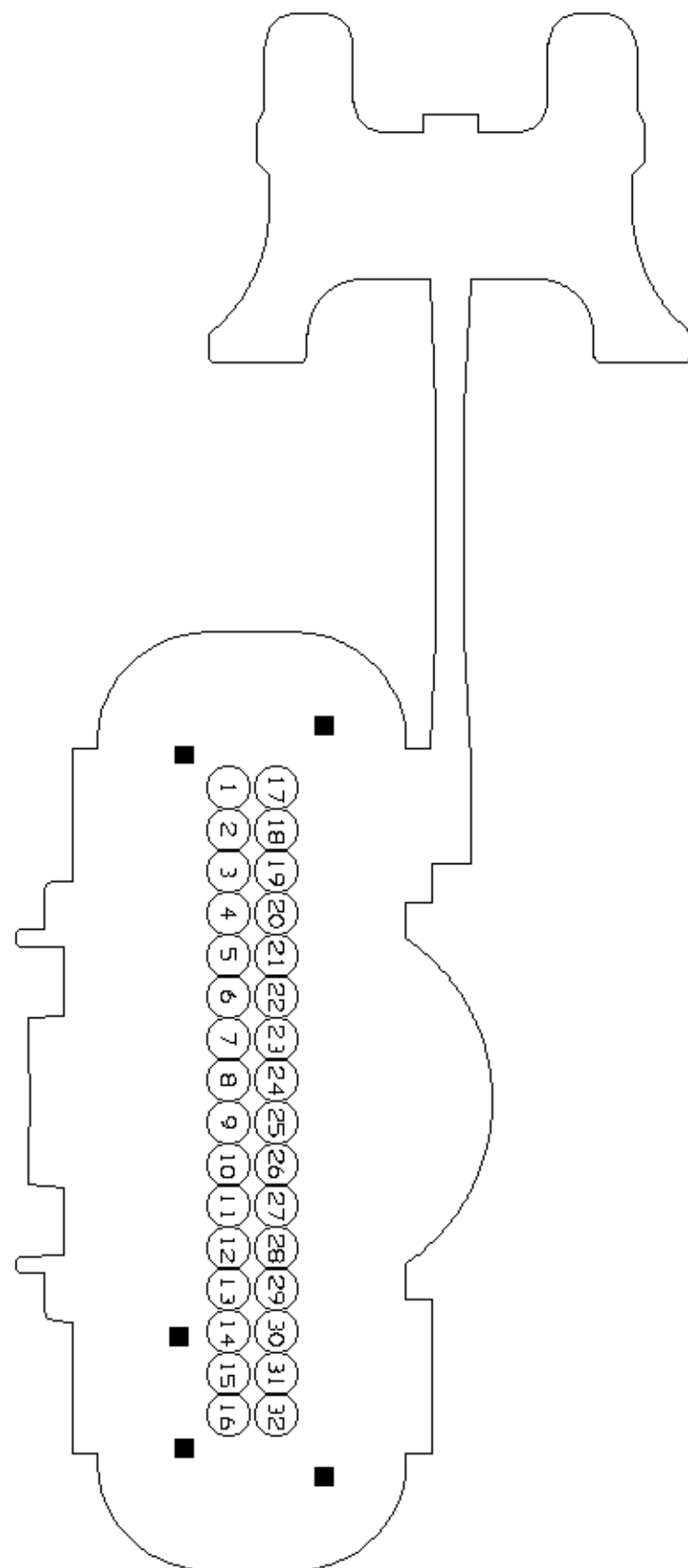
C031

ITEM NO: 4	
15305371 NAT	
MDL-TRANS CONT -J1	
CAV	WIRE
1	451K
2	439C
3	440E
4	439E
5	451L
6	
7	420E
8	
9	2467
10	
11	
12	2648
13	1905
14	
15	
16	464
17	
18	
19	
20	
21	
22	463
23	
24	
25	1034
26	
27	400
28	2649
29	2361B
30	1049
31	2363B
32	2362B



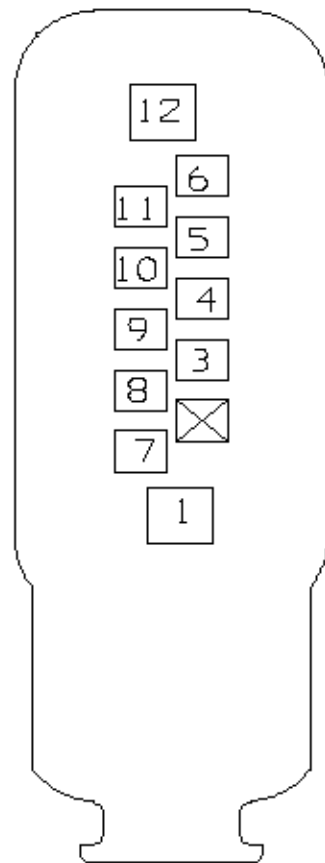
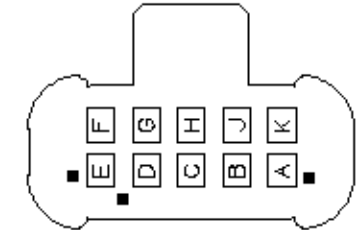
C032

ITEM NO: 5	
15305371 NAT	
MDL-TRANS CONT -J2	
CAV	WIRE
1	1224
2	1225
3	1226
4	2529
5	771B
6	772B
7	773B
8	776B
9	
10	1227
11	
12	
13	1983BA
14	1984BA
15	821HF
16	822HF
17	1230BY
18	1231BY
19	
20	407
21	2471
22	1229
23	1228
24	1526
25	1992
26	1222
27	1223
28	2527
29	418
30	2548
31	
32	



C036

ITEM NO: 53	
12065425 BLK	
INJR-FUEL	
CAV	WIRE
A	1744
B	878
C	844
D	1746
E	846
F	845
G	877
H	1745
J	339C
K	239C

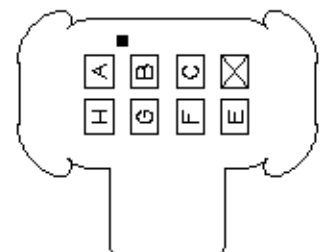


C050

ITEM NO: 71	
15416722 GRA MD	
SW-PARK/NEW POSN & B/U LP	
CAV	WIRE
1	1737
3	15305171
4	772C
5	771C
6	773C
7	150S
8	776C
9	275C
10	24C
11	139
12	806

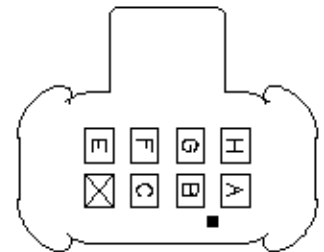
C056

ITEM NO: 54	
12047938 GRA LT	
INLINE-TO COIL HARN-LH	
CAV	WIRE
A	150L
B	2127
C	2125
E	2129
F	2123
G	2121
H	339B



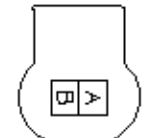
C057

ITEM NO: 59	
12047938 GRA LT	
INLINE-TO COIL HARN-RH	
CAV	WIRE
A	150K
B	2122
C	2124
E	2130
F	2126
G	2128
H	239B



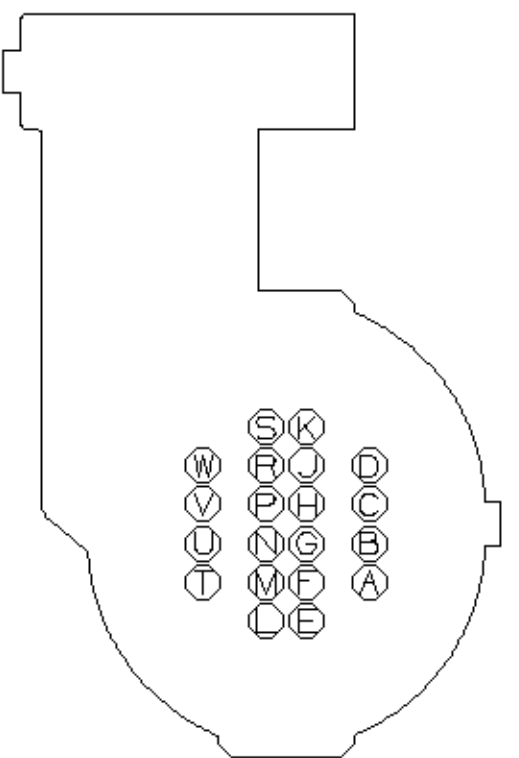
C058

ITEM NO: 68	
12162194 BLK	
SEN-SPD TURBINE	
CAV	WIRE
A	1983BA
B	1984BA

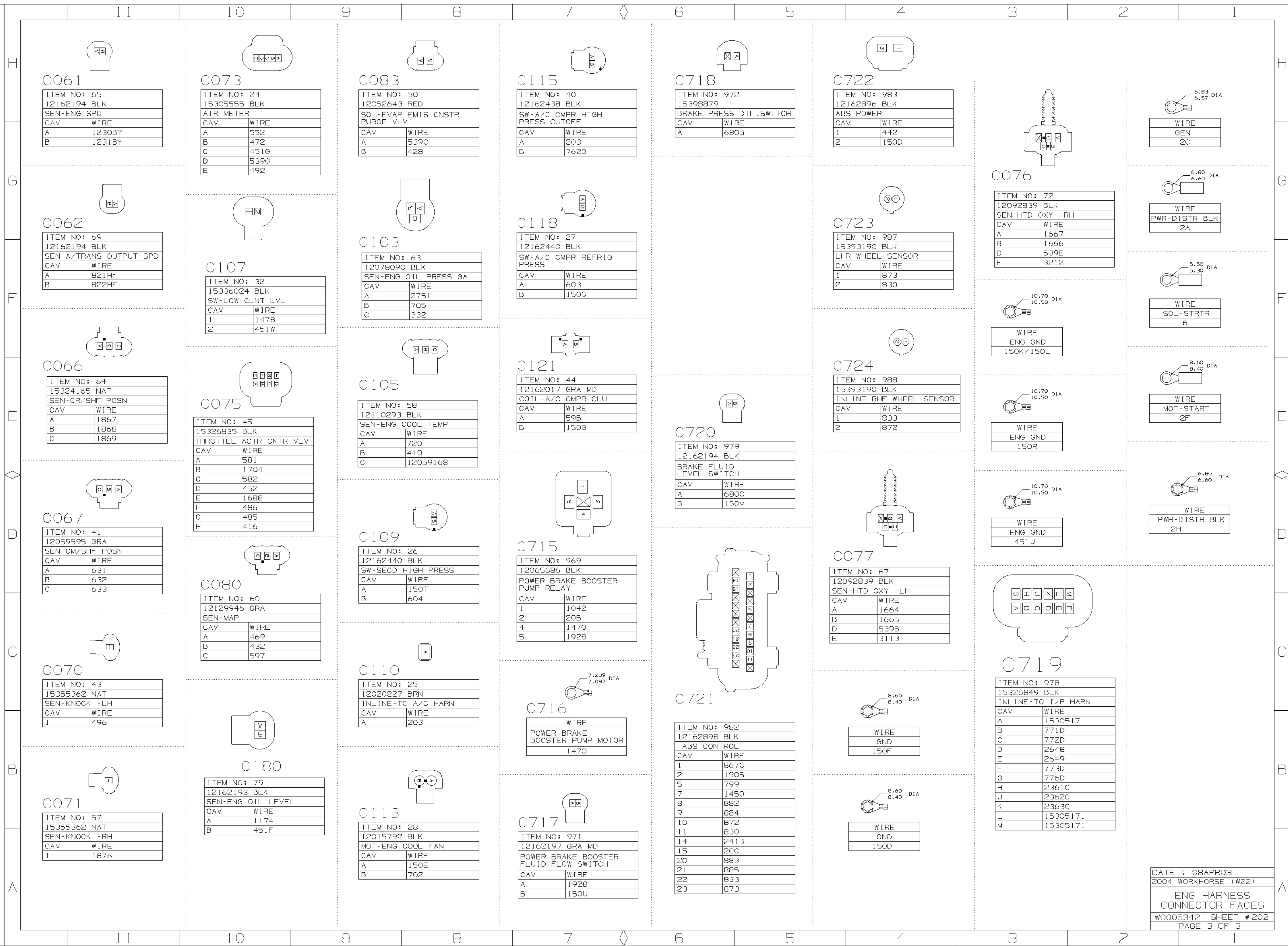


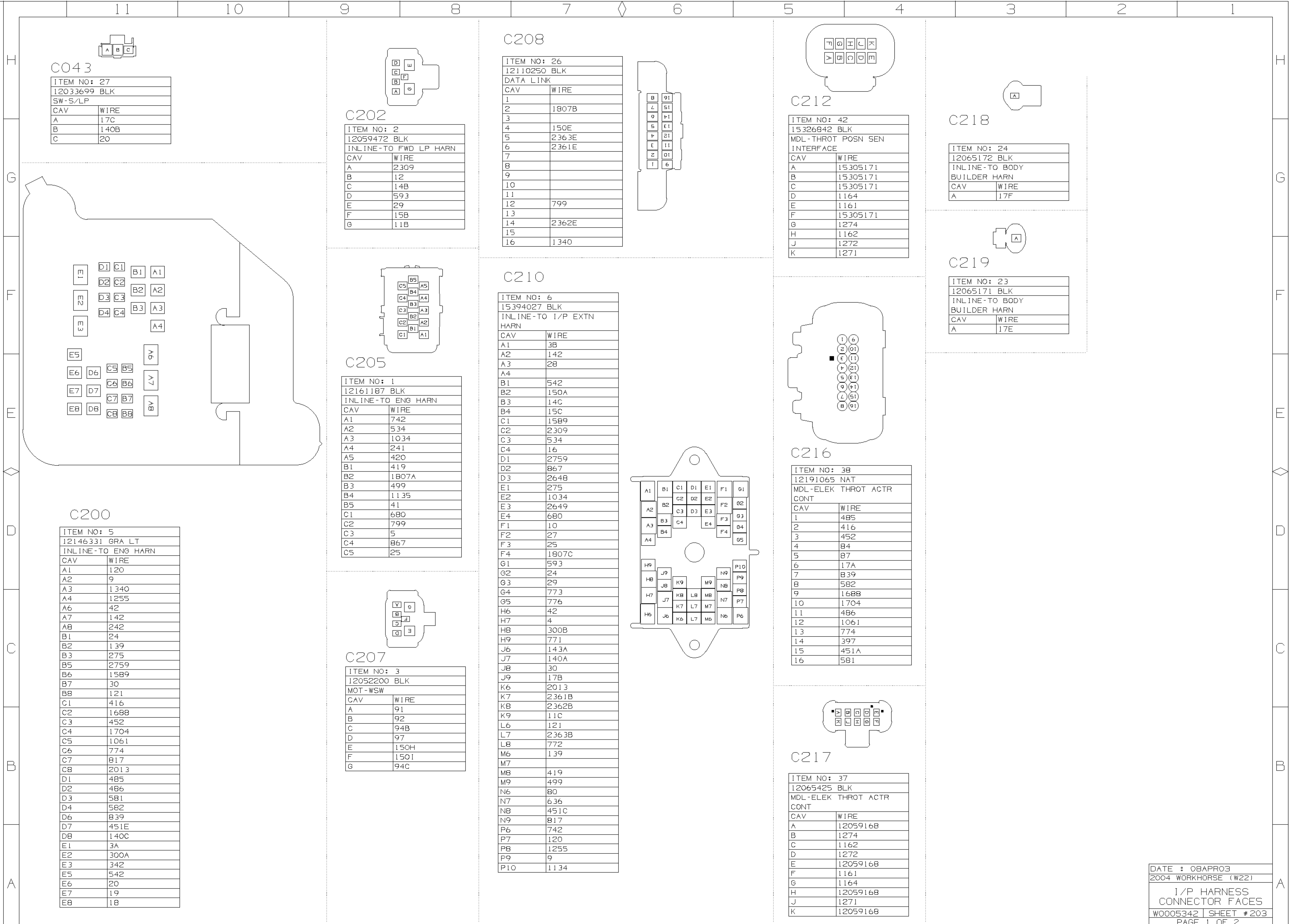
C059

ITEM NO: 73	
12160280 GRA MD	
INLINE-TO TRANS	
CAV	WIRE
A	1222
B	1223
C	439F
D	1224
E	1226
F	1225
G	1227
H	407
J	418
K	2529
L	1229
M	1228
N	1526
P	1992
R	2548
S	439G
T	2471
U	12129557
V	12129557
W	2527



H
G
F
E
D
C
B
A





CO43

ITEM NO: 27	
12033699 BLK	
SW-S/LP	
CAV	WIRE
A	17C
B	140B
C	20

C202

ITEM NO: 2	
12059472 BLK	
INLINE-TO FWD LP HARN	
CAV	WIRE
A	2309
B	12
C	14B
D	593
E	29
F	15B
G	11B

C208

ITEM NO: 26	
12110250 BLK	
DATA LINK	
CAV	WIRE
1	
2	1807B
3	
4	150E
5	2363E
6	2361E
7	
8	
9	
10	
11	
12	799
13	
14	2362E
15	
16	1340

C212

ITEM NO: 42	
15326842 BLK	
MDL-THROT POSN SEN INTERFACE	
CAV	WIRE
A	15305171
B	15305171
C	15305171
D	1164
E	1161
F	15305171
G	1274
H	1162
J	1272
K	1271

C218

ITEM NO: 24	
12065172 BLK	
INLINE-TO BODY BUILDER HARN	
CAV	WIRE
A	17F

C219

ITEM NO: 23	
12065171 BLK	
INLINE-TO BODY BUILDER HARN	
CAV	WIRE
A	17E

C205

ITEM NO: 1	
12161187 BLK	
INLINE-TO ENG HARN	
CAV	WIRE
A1	742
A2	534
A3	1034
A4	241
A5	420
B1	419
B2	1807A
B3	499
B4	1135
B5	41
C1	680
C2	799
C3	5
C4	867
C5	25

C210

ITEM NO: 6	
15394027 BLK	
INLINE-TO I/P EXTN HARN	
CAV	WIRE
A1	3B
A2	142
A3	28
A4	
B1	542
B2	150A
B3	14C
B4	15C
C1	1589
C2	2309
C3	534
C4	16
D1	2759
D2	867
D3	2648
E1	275
E2	1034
E3	2649
E4	680
F1	10
F2	27
F3	25
F4	1807C
G1	593
G2	24
G3	29
G4	773
G5	776
H6	42
H7	4
H8	300B
H9	771
J6	143A
J7	140A
J8	30
J9	17B
K6	2013
K7	2361B
K8	2362B
K9	11C
L6	121
L7	2363B
L8	772
M6	139
M7	
M8	419
M9	499
N6	80
N7	636
N8	451C
N9	817
P6	742
P7	120
P8	1255
P9	9
P10	1134

C216

ITEM NO: 38	
12191065 NAT	
MDL-ELEK THROT ACTR CONT	
CAV	WIRE
1	485
2	416
3	452
4	84
5	87
6	17A
7	839
8	582
9	1688
10	1704
11	486
12	1061
13	774
14	397
15	451A
16	581

C217

ITEM NO: 37	
12065425 BLK	
MDL-ELEK THROT ACTR CONT	
CAV	WIRE
A	12059168
B	1274
C	1162
D	1272
E	12059168
F	1161
G	1164
H	12059168
J	1271
K	12059168

C207

ITEM NO: 3	
12052200 BLK	
MOT-WSW	
CAV	WIRE
A	91
B	92
C	94B
D	97
E	150H
F	1501
G	94C

C200

ITEM NO: 5	
12146331 GRA LT	
INLINE-TO ENG HARN	
CAV	WIRE
A1	120
A2	9
A3	1340
A4	1255
A6	42
A7	142
A8	242
B1	24
B2	139
B3	275
B5	2759
B6	1589
B7	30
B8	121
C1	416
C2	1688
C3	452
C4	1704
C5	1061
C6	774
C7	817
C8	2013
D1	485
D2	486
D3	581
D4	582
D6	839
D7	451E
D8	140C
E1	3A
E2	300A
E3	342
E5	542
E6	20
E7	19
E8	18

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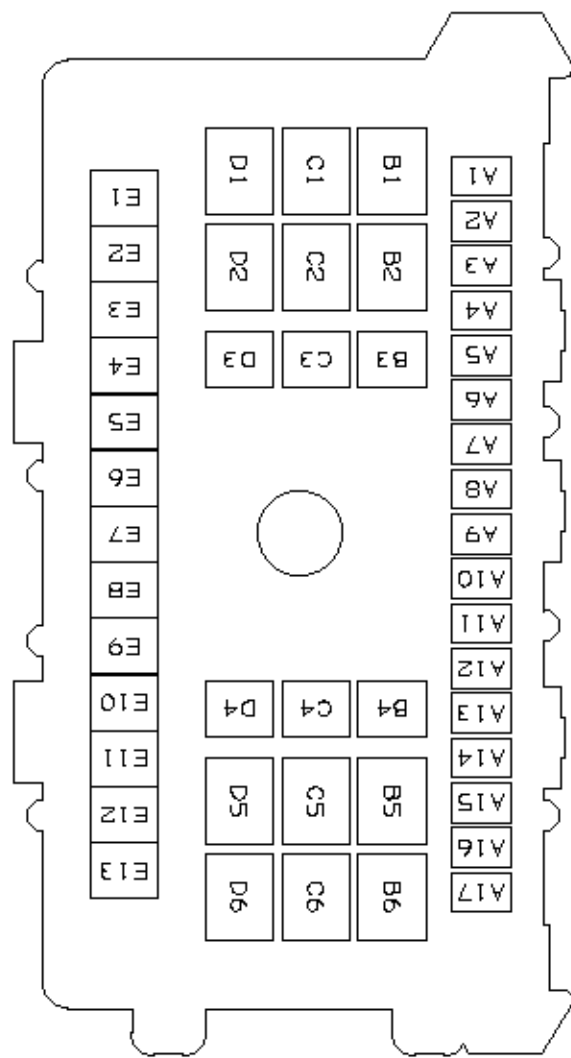
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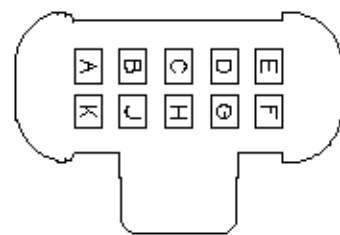
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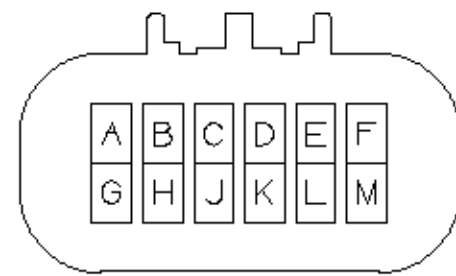
C711

ITEM NO: 965	
12077822 BLK	
INLINE-TO STRG COL HARN	
CAV	WIRE
A1	
A2	2646A
A3	16
A4	
A5	
A6	15A
A7	14A
AB	
A9	
A10	
A11	28
A12	397
A13	41
A14	B4
A15	B7
A16	150G
A17	1135
B1	
B2	150D
B3	80
B4	150M
B5	1134
B6	
C1	
C2	150C
C3	
C4	
C5	3C
C6	300C
D1	5
D2	342
D3	
D4	
D5	242
D6	4
E1	27
E2	17F
E3	92
E4	143B
E5	112
E6	19
E7	18
EB	2646B
E9	2646C
E10	
E11	11A
E12	12
E13	10



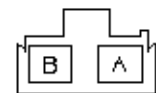
C234

ITEM NO: 966	
12065425 BLK	
SW-WSW	
CAV	WIRE
A	1205916B
B	1205916B
C	1205916B
D	1205916B
E	112
F	143C
G	91
H	97
J	94A
K	150F



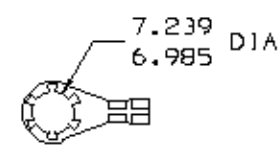
C239

ITEM NO: 967	
15326854 BLK	
INLINE-TO ENG HARN	
CAV	WIRE
A	15305171
B	771
C	772
D	2648
E	2649
F	773
G	776
H	2361F
J	2362F
K	2363F
L	15305171
M	15305171



C714

ITEM NO: 968	
12015197 BLU	
SW-S/LP, TCC	
CAV	WIRE
A	241
B	420



C120

ITEM NO: 7	
15326801 BLK	
INLINE TO OUTSIDE TEMP SENSOR	
CAV	WIRE
A	636
B	451F

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A

C215

ITEM NO: 14	
02973385 BLK	
FLSHR-T/SIG LP	
CAV	WIRE
A	16
B	139C

C248

ITEM NO: 5	
02973385 BLK	
FLSHR-HAZARD LP	
CAV	WIRE
A	140
B	27

C250

ITEM NO: 10		
12186731 GRA MD		
INLINE-TO I/P HARN		
CAV	WIRE	WIRE
A1	3A	3A
A2	142C	142C
A3	28	28
A4		
B1	542	542
B2	150A	150A
B3	14	14
B4	15	15
C1		
C2	2309	2309
C3	534	534
C4	16	16
D1		
D2	867A	867A
D3	2648	2648
E1	275	275
E2		
E3	2649	2649
E4	680	680
F1	10	10A
F2	27	27
F3		
F4	1807	1807
G1		593
G2	24	24
G3	29C	29C
G4		
G5		
H6	42A	42A
H7	4A	4A
H8	300	300
H9		
J6	143	143
J7	140	140
J8		
J9	17	17
K6	2013	2013
K7	2361A	2361A
K8	2362A	2362A
K9	11	11A
L6	121	121
L7	2363A	2363A
L8		
M6	139A	139A
M7	8C	8C
M8	419	419
M9		
N6	80	80
N7	636	636
N8	451C	451C
N9	817	817
P6	742	742
P7		
P8	1255A	1255A
P9	9B	9B
P10	1134A	1134A
SYMBOL	1(-5KO #-Z49)	2(-5KO #Z49)

C261

ITEM NO: 12		
15340668 BLK		
CSTR-INST 2		
CAV	WIRE	WIRE
1		
2		
3	636	636
4	8B	8B
5		
6	39B	39B
7	451A	451A
8	343	343
9	14	14
10	15	15
11	11	629
12	9F	9F
13	867C	867C
14	1134E	1134E
15	33	33
16	234	234
SYMBOL	1	2

C251

ITEM NO: 1		
10723742 BLK		
CSTR-INST 1		
CAV	WIRE	WIRE
1		
2	2361B	2361B
3	2362B	2362B
4	1807	1807
5	121	121
6	817	817
7	745	745
8	2647	2647
9		
10		
11	419	419
12	80	80
13		
14	2013	2013
15	1084	1084
16	451F	451F
17		592C
18		
19	150M	150M
20	340B	340B
SYMBOL	1	2

C252

ITEM NO: 16		
12020029 NAT		
SW-HDLP		
CAV	WIRE	WIRE
A	9E	9E
B		540
C	42C	42C
D	10	10A/10B
E	240	240
F		
SYMBOL	1(-5KO #-Z49)	3(-5KO #Z49)

C253

ITEM NO: 7	
12020030 NAT	
SW-I/P LP DIMR	
CAV	WIRE
A	9A
B	150B
C	156
D	44

C254

ITEM NO: 11	
12110746 BLK	
FUSE BLK	
CAV	WIRE
A2	4C
A3	243
A6	142B
A7	1540
B2	
B4	142A
B6	
B8	
C1	1240
C3	1140
C5	1040
C7	
D2	4E
D4	44
D6	
D8	742
E1	343
E3	8A
E5	
E7	640A
F2	142E
F4	3B
F6	42B
F8	
G1	340A
G3	1239
G5	240
G7	40
H2	4B
H4	
H6	3C
H8	
J1	143
J3	43
J5	139B
J7	39A
K2	9C
K4	
K6	
K8	
L1	2309
L3	1255C
L5	
L7	
M2	
M4	300
M6	
M8	
N1	341
N3	
N5	141
N7	

ITEM NO.	11	
POSITION	RATING	FUSE FUNCTIONS
1		
2	20	HORN
3	20	CTSY
4	10	INST-IGN
5		
6		
7	20	AUX PWR
8		
9	20	PK LPS
10	15	TURN-B/U
11		
12	5	JACK ALARM
13	20	CIG LTR
14	10	ILLUM
15	10	THROT ADJ
16	15	RADIO-ACC
17	10	MKR LPS
18		
19	10	RADIO-BAT
20	5	INST-ACC
21	5	INST-BAT
22	25	WIPER
23	5	FRT PARK
24	5	STEP ALARM
A	30 C/B	PWR ACCY #1
B	30 C/B	PWR ACCY #2

