

BODY PARTS CATALOGUE

VOLVO B7L/EAST LANCs "VYKING"

for

SALES-LENTZ AUTOCARS SA

CONTRACT C50101-2

PARTS CATALOGUE

CUSTOMER	SALES-LENTZ AUTOCARS SA (LUXEMBOURG)
QUANTITY	2
CONTRACT NUMBER	C50101-2
CHASSIS TYPE	VOLVO B7L LHD
BODY TYPE	11.9M VYKING OPEN TOP DOUBLE DECK

ISSUE DATE	5.5.04		
AMEND ISSUE DATE			

SPECIAL FEATURES	
MTB METROPOLIS URBAN SEATS - BONDED TINTED GLAZING - L.E.D ELECTRONIC DESTINATION EQUIPMENT - CAB AIR CONDITIONING	

NOTE - ALL REFERENCES TO THE SIDE OF THE VEHICLE IN THIS PUBLICATION ARE QUOTED AS **RHS** AND **LHS** WHEN VIEWED FORWARD FROM THE DRIVERS SEAT

BODY & CHASSIS NUMBERS INCLUDED IN CONTRACT	
C50501	YV3R7G7154A001690
C50502	YV3R7G7174A001691

CIRCULATION
CUSTOMER CUSTOMER SERVICE MANAGER  PARTS FILE

INTRODUCTION

This parts catalogue has been compiled on a loose leaf arrangement for ease of providing update information as and when appropriate.

The various categories have been divided into ten groups as outlined in the main index and consist of items considered to be of a 'consumable' or 'damage zone' nature. For information not fully covered by this publication e.g. handrails, seating, destination, door equipment etc, the East Lancashire Coachbuilders personnel shown below or the equipment supplier should be contacted.

In order to ensure prompt and correct execution of your parts order the following procedure should be adopted.

- 1) Provide your customer name, contact name, address , account number and order number.
- 2) Provide the chassis/body type, body number and/or registration number of the vehicle.
- 3) Quote the part number and description of the item required. If in doubt provide a sketch or sample of the damaged/broken part.
- 4) The quantity required bearing in mind the quantities quoted in this publication are per vehicle.
- 5) Preferred method of delivery e.g. VOR etc.

Whilst every effort has been made to ensure the accuracy of the data contained in this publication at the time of issue, vehicle specification changes which are on going may affect the information herein.

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HOW TO USE THIS PUBLICATION

This example provides information on how to identify components and their relevant information and should not be used for ordering parts.

5. ELECTRICAL EQUIPMENT				G 5.1	QUANTITY PER VEHICLE
ILLUS NO	PART NUMBER	DESCRIPTION	QTY		
	96-19032	Multi Signal Wiring System	1		
	96-19152	Main Control Panel - In Junction Box	4		
	96-15166	Switch Node	1		
		Switch Control Panel - In Dash			
		Exterior Lighting			
1	47-19002	Headlight Unit - Dip Beam	2		
2	47-19003	Headlight Unit - Main Beam	2		
	47-11196	Headlight Bulb (466) 24V 70W H1	4		
	47-19032	Headlight Rubber Boot	2		
	47-19051	Headlight Plastic Cap	2		
3	47-19004	Front Indicator/Side Light Unit	2		
4	47-11131	Bulb (241) 24V 21W SCC - Indicator	2		
5	47-11371	Bulb (149) 24V 5W SCC - Side Light	2		
6	47-19074	LED Marker Light - White - Front Vent Panel	2		
7	47-19068	LED Indicator - Rear Corner Panel & High Level	4		
8	47-19074	LED Registration Light - Rear Bumper	2		
9	47-15035	Flank Indicator	2		
	47-11131	Bulb 24V 21W SCC	2		
10	47-19067	LED Stop/Tail Light - Rear Corner & High Level	4		
11	47-19070	Reverse Light - LHS Rear Corner	1		
	47-19069	LED Rear Fog Light - RHS Rear Corner	1		
12	47-19075	LED Marker Light - Red - Rear Dome	2		
13	47-11460	Reflector	2		
14	90-20306	Refer to Arrangement Drawing G5/1			
		Interior Lighting			
1	47-19040	CVM158/NL Covex Light Module - 58W tube	15		
2	47-19052	CVM130/NL Covex Light Module - 30W tube	2		
3	47-19059	CVM158/NL Covex Light Module - 58W tube	3		
4	47-19050	CVM120/NL Covex Light Module - 20W tube	3		
9	47-19079	CVMXB140/24/DS/NL Covex Light Module - 40W tube	1		
5	47-19082	CVM1805mm Ghost Module	1		
6	47-11393	CVM1 Diffuser Clip	20		
7	47-11389	CVM2 End Cap	8		
	46-11129	Inverter 15-58W - XBSR24	22		
	47-11120	Festoon Bulb - 24V 10W	17		
	77-11152	Capacitor 470UF 50V	4		
10	47-11211	Flush Fit Downlight - Dichroic Lens - Platform/Cab	3		
	47-11213	Dichroic Bulb (MR16C) - 24V 35W - Platform	2		
	47-11464	Bulb Halogen - 28V 20W G4 Base	1		
	90-20286	Refer to Arrangement Drawing G5/2			
	19-11119	Bell Push - Grey Housing - Red Stop Symbol Button	9		
	19-11118	Bell Unit - Single Stroke - 9031/001	1		
	26-11112	Buzzer Unit - 0-562-24	2		
	47-11193	Bus Stopping Sign	2		
	47-11128	Bulb - 24V 12W SC	6		
	70-11227	Proximity Switch - Rear Engine Door & LHS Engine Door	2		
	70-11129	Actuator Magnet - Proximity Switches	2		
	26-11111	Buzzer Unit - 178-4260	1		

NOTE - HIGHLIGHTED PART NUMBERS INDICATE AN ENGINEERING DRAWING THAT IS INCLUDED AS PART OF THE GROUP

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1. STRUCTURE, EXTERIOR PANELS & FITTINGS

G1.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
66	90-23057	FRONT WAISTRAIL ASSEMBLY - Lower Saloon	1
67	93-22912	Front Bulkhead Panel	1
68	93-22990	Front Waist Top Panel	1
69	90-20744	FRONT PANEL SUPPORT FRAME	1
70	90-23073	FRONT HEADER/U S WAISTRAIL ASSEMBLY	1
1	90-20247	FRONT CENTRE PANEL ASSEMBLY	1
	93-20677	'C' Hinge	2
	45-11142	Gas Strut - 100/300/70 - 8mm ends	2
2	34-15474	FRONT CORNER PANEL LHS - GRP	1
	49-19006	Slide Latch Assembly	1
	93-19078	Hinge	1
	49-11145	Carbine Hook & Strap	1
3	34-15475	FRONT CORNER PANEL RHS - GRP	1
	49-19006	Slide Latch Assembly	1
	93-19078	Hinge	1
	49-11145	Carbine Hook & Strap	1
	90-20248	FRONT BUMPER ASSEMBLY	1
4	34-15470	Centre Section - GRP	1
5	34-15471	Corner Section RHS - GRP	1
6	34-15472	Corner Section LHS - GRP	1
	93-21891	Mounting Bracket	2
	93-21893	Bumper Washer Plate	2
	93-22984	Bumper Mounting Plate	2
7	34-19793	UPPER SALOON FRONT DOME/WINDSCREEN PAN - GRP	1
8	93-22971	BLANKING PANEL	1
9	34-19336	LOWER SALOON WINDSCREEN PAN/WAIST PANEL - GRP	1
10	34-19731	REAR MID PANEL	1
11	93-22796	REAR INFILL PANEL	1
12	34-19292	REAR CORNER PANEL LHS - GRP - Rectangular lights	1
13	34-19293	REAR CORNER PANEL RHS - GRP - Rectangular lights	1
14	90-19945	ENGINE LOWER ACCESS DOOR ASSEMBLY	1
	49-11122	8mm Hex Compression Lock - E3-16-25	2
	62-11111	Rubber Buffer - 35mm	3
	45-11163	Locating Pin	2
	27-11255	Grommet - .75"	2
15	90-19953	ENGINE UPPER ACCESS DOOR ASSEMBLY	1
	34-19291	Access Door	1
	49-19005	8mm Hex Compression Lock - E3-16-35	2
	44-15002	Hinge - Centaflex Black	as reqd
	93-20644	Door Bracket Buffer	2
	93-20647	Door Stay	1
	49-11145	Carbine Hook Assembly	1
16	34-15396	REAR BUMPER CENTRE SECTION - GRP	1
17	34-15397	REAR BUMPER CORNER SECTION LHS - GRP	1
18	34-15399	REAR BUMPER CORNER SECTION RHS - GRP	1
	93-20075	Mounting Bracket - Slotted	2
	93-20076	Mounting Bracket	2

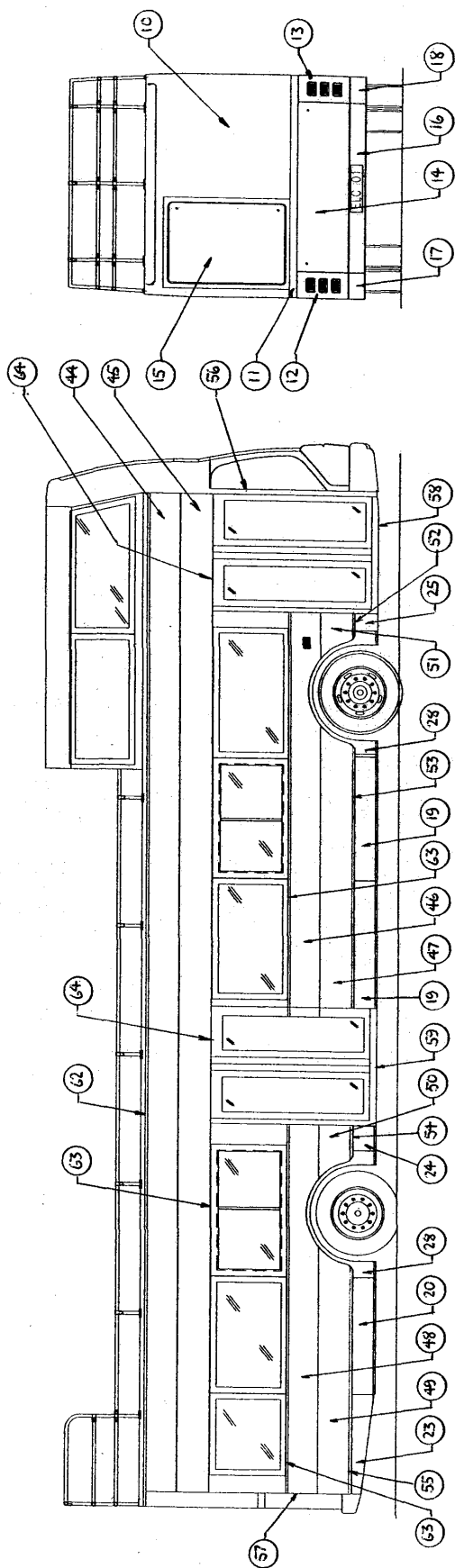
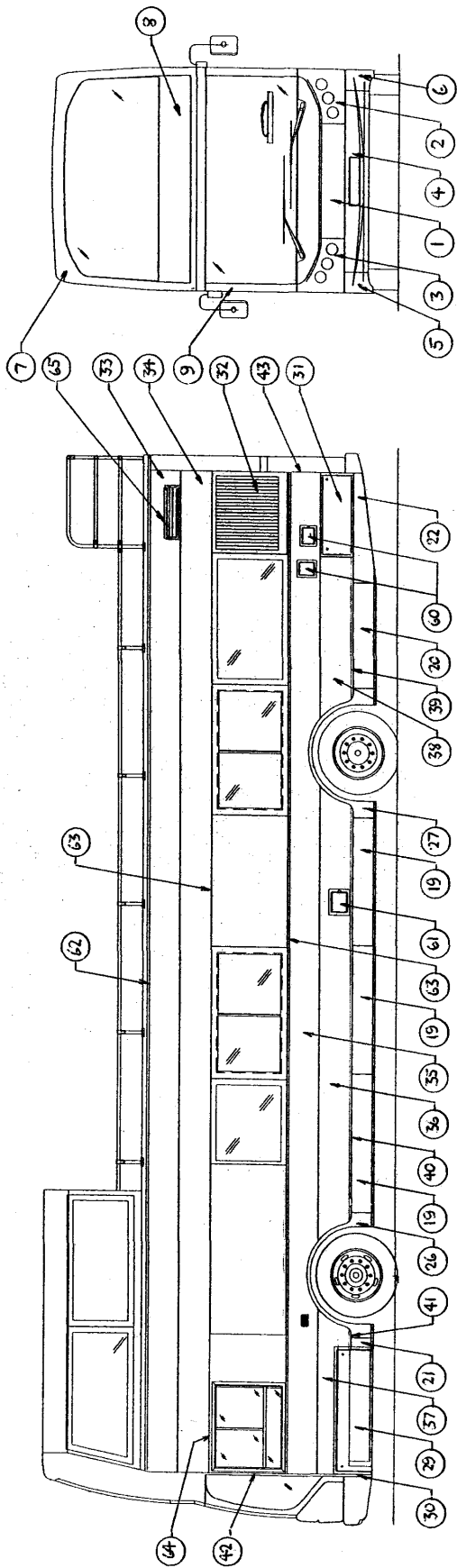
1. STRUCTURE, EXTERIOR PANELS & FITTINGS

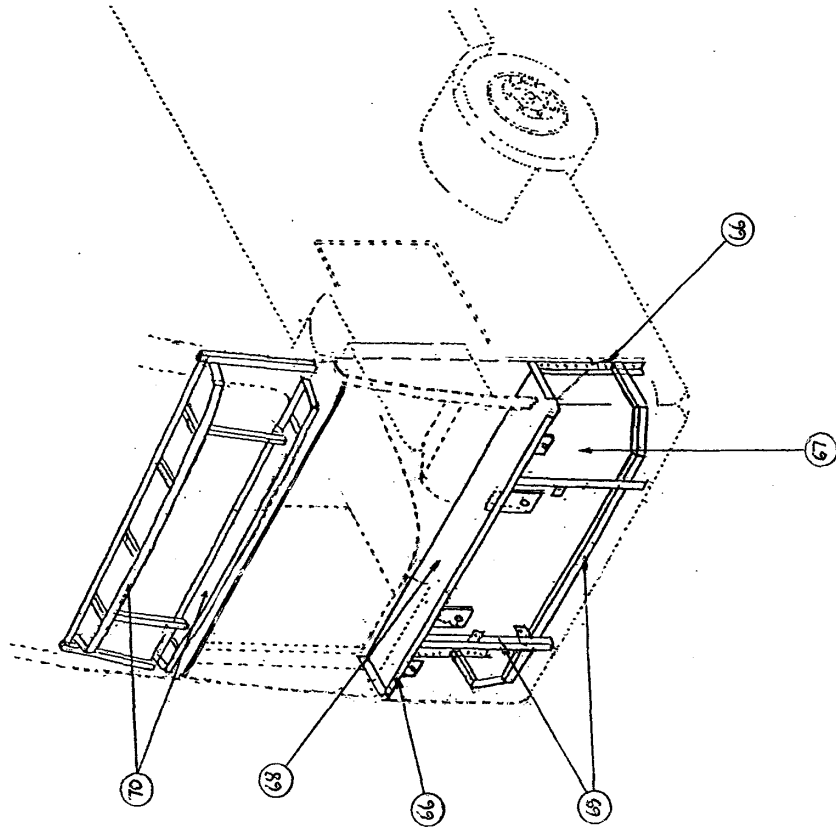
G1.2

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
19	50-19009	SKIRT PANEL LHS/RHS - 1470mm	4
20	m/f 50-19009	SKIRT PANEL LHS/RHS - Behind Rear Wheels - 1280mm	2
21	m/f 50-19009	SKIRT PANEL LHS - Front - 100mm	1
22	50-19047	SKIRT PANEL LHS - Rear	1
23	50-19048	SKIRT PANEL RHS - Rear	1
24	m/f 50-19009	SKIRT PANEL RHS - Centre - 250mm	1
25	m/f 50-19009	SKIRT PANEL RHS - Front - 160mm	1
	62-11179	Split Bead Rubber Profile - Skirt Panel to Cladding Panel	5.5m
	93-22853	EXHAUST HEATSHIELD	1
26	50-19044	WHEELARCH FINISHER - LHS Front	1
27	50-19010	WHEELARCH FINISHER - LHS Rear	1
28	50-19011	WHEELARCH FINISHER - RHS Front & Rear	2
29	90-22441	BATTERY ACCESS DOOR ASSEMBLY	1
	93-22618	Battery Door Panel	1
	90-20418	Hinge Assembly	2
	45-15003	Bush	2
	45-11155	Webbing Strap - 600mm	2
	62-11122	Rubber Buffer - Small - 2028/001	2
	49-11122	8mm Hex Compression Lock - E3-16-25	2
30	93-22619	BATTERY ACCESS DOOR CASING ASSEMBLY	1
31	93-21287	ENGINE SIDE ACCESS PANEL - LHS	1
	49-19003	Compression Twist Lock - E3-57-15	2
32	90-19940	RADIATOR GRILLE/ACCESS PANEL	1
	27-11255	Grommet - 0.75"	2
33	93-22454	UPPER SALOON SIDEWALL PANEL - LHS	1
34	93-20253	UPPER SALOON CLADDING PANEL - LHS	1
35	93-22936	LOWER SALOON SIDEWALL PANEL - LHS	1
36	93-22457	LOWER SALOON CLADDING PANEL - LHS Centre	1
37	93-22937	LOWER SALOON CLADDING PANEL - LHS Front	1
38	93-20256	LOWER SALOON CLADDING PANEL - LHS Rear	1
39	93-20258	SKIRT INFILL - LHS Rear	1
40	93-20260	SKIRT INFILL - LHS Centre	1
41	93-20261	SKIRT INFILL - LHS Front	1
42	16-19006-2587	FRONT 'A' PILLAR LHS - 60 x 40 x 2587mm	1
43	16-15073-2415	REAR CORNER PILLAR LHS - 100 x 40 x 2415 mm	1
44	93-20265	UPPER SALOON SIDEWALL PANEL - RHS	1
45	93-20266	UPPER SALOON CLADDING PANEL - RHS	1
46	93-20267	LOWER SALOON SIDEWALL PANEL - RHS Front	1
47	93-20270	LOWER SALOON CLADDING PANEL - RHS Centre Front	1
48	93-20268	LOWER SALOON SIDEWALL PANEL - RHS Rear	1
49	93-20272	LOWER SALOON CLADDING PANEL - RHS Rear	1
50	93-20271	LOWER SALOON CLADDING PANEL - RHS Centre Rear	1
51	93-20269	LOWER SALOON CLADDING PANEL - RHS Front	1
52	93-20276	SKIRT INFILL - RHS Front	1
53	93-20277	SKIRT INFILL - RHS Centre Front	1
54	93-20278	SKIRT INFILL - RHS Centre Rear	1
55	93-20279	SKIRT INFILL - RHS Rear	1
56	16-19006-2573	FRONT 'A' PILLAR RHS - 60 x 40 x 2573mm	1
57	16-15073-2415	REAR CORNER PILLAR RHS - 100 x 40 x 2415mm	1

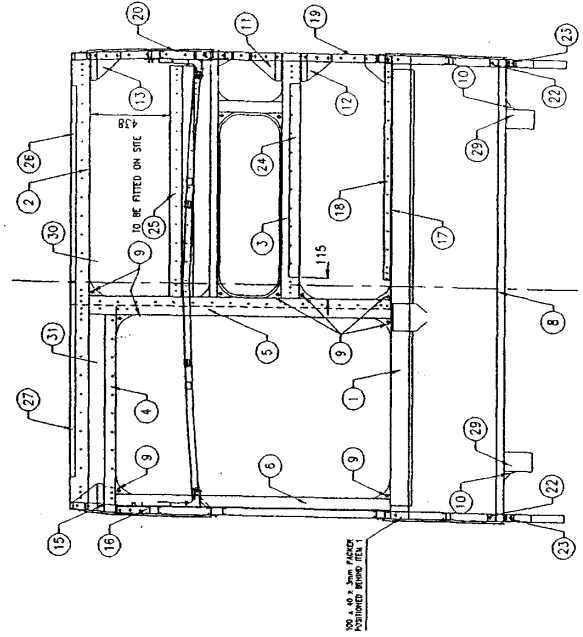
G1.3

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
58	93-20328	ENTRANCE STEP RAIL ASSEMBLY	1
59	93-20274	EXIT STEP RAIL ASSEMBLY	1
	62-15014	RUBBER PROFILE - at Panel to Panel Joint	as reqd
60	45-11190	ACCESS FLAP - Small - Engine Oil & EDC Access	2
61	49-11249	ACCESS FLAP - Large - Fuel Fill Point	1
62	62-15058	RUBBER INSERT/FINISHER	as reqd
63	62-15160	RUBBER INSERT/FINISHER - 11m	4
	51-11129	EXTERIOR MIRROR HEAD & ARM ASSEMBLY - RHS	1
	51-11130	EXTERIOR MIRROR HEAD & ARM ASSEMBLY - LHS	1
64	62-19076	GUTTER SIDE TRIM - Over Cab Window, Entrance & Exit Doors	4m
65	43-19040	GRILLE ASSEMBLY - Engine Air Intake	1
	45-11134	'ELC' NAMEPLATE	2
	45-11259	'VYKING' NAMEPLATE	2
	62-11162	RUBBER MUDFLAP 2678	4
		Refer to Drawing 1A for Exterior Panels and Fittings Refer to Drawings 1B to 1F for Framework Details	





ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	16-15071-2490	100mm ALUSUSSE PILLAR SECTION	1
2	16-15071-2453	100mm ALUSUSSE PILLAR SECTION	1
3	16-15071-1318	100mm ALUSUSSE PILLAR SECTION	1
4	16-19008-1066	80mm ALUSUSSE PILLAR SECTION	1
5	16-15071-1846	100mm ALUSUSSE PILLAR SECTION	1
6	16-19008-1416	80mm ALUSUSSE PILLAR SECTION	1
7			
8	16-15071-2490	40mm ALUSUSSE PILLAR SECTION	1
9	90-15651	ASST. LARGE QUADANT	9
10	90-15657	ASST. SMALL QUADANT	3
11	90-19976	REAR BULKHEAD BRACKET RHS	1
12	90-19977	REAR BULKHEAD BRACKET	1
13	90-19978	REAR BULKHEAD BRACKET LHS	1
14			
15	90-19980	REAR BULKHEAD BRACKET LHS	1
16	90-19981	REAR BULKHEAD MOUNTING ANGLE LHS	1
17	93-20034	REAR BULKHEAD CHASSIS PLATE	1
18	90-19973	REAR BULKHEAD FIXING ANGLE	1
19	93-20046	SUPPORT PLATE	1
20	93-20047	SUPPORT PLATE	1
21			
22	93-20088	SUPPORT ANGLE	2
23	93-20089	SUPPORT ANGLE	2
24	93-20070	REAR DOME SUPPORT ANGLE	1
25	93-20071	REAR DOME SUPPORT ANGLE LHS	1
26	93-20072	REAR DOME SUPPORT ANGLE RHS	1
27	93-20073	REAR DOME SUPPORT ANGLE LHS	1
28			
29	16-15071-150	100mm ALUSUSSE PILLAR SECTION	2
30	93-20465	PANEL REAR BULKHEAD	1
31	93-20466	PANEL REAR BULKHEAD	1



SALES-LENTZ AUTOCARS SA
C50101-2

FRONT & REAR FRAMEWORK

1B

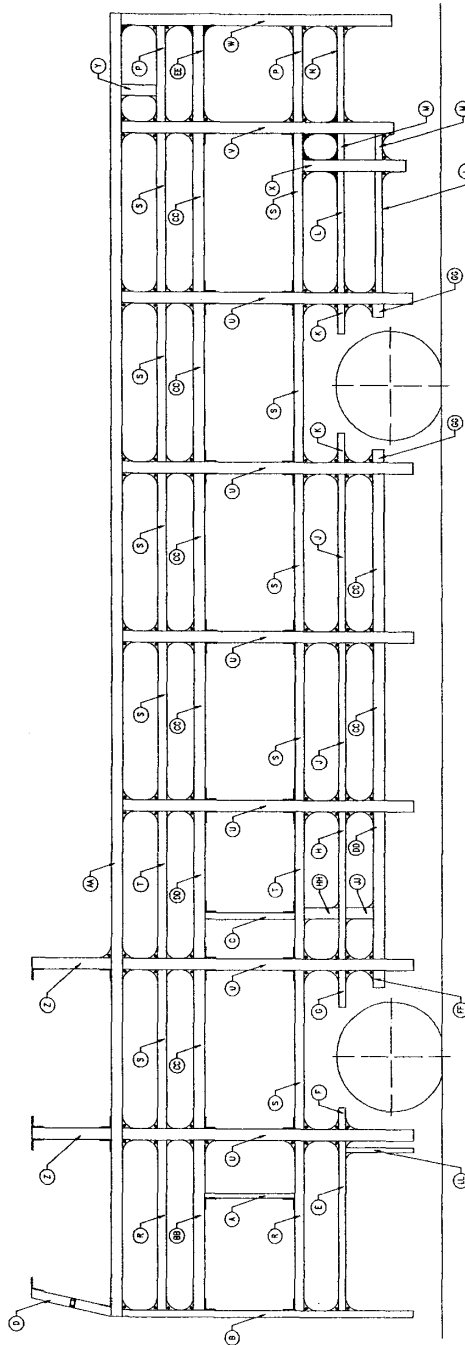
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ALL DIMENSIONS IN MILLIMETRES

ITEM PART No.	QTY.
U 18 - 5013/2587	1
V 15 - 5013/4432	1
W 15 - 5013/2415	1
X 18 - 5013/2800	1
Y 18 - 5013/2115	2
Z 18 - 5013/709	2
AA 18 - 5013/11334	1
BB 18 - 5013/4860	1
CC 18 - 5013/1380	7
DD 18 - 5013/1980	2
EE 18 - 5013/4444	1
FF 18 - 5013/150	1
GG 18 - 5013/115	2
HH 18 - 5013/5035	1
II 18 - 5013/245	1

SECTION	SIZE (REF. No.)	E.C.B. PLUGS	TOTAL QTY.
40 x 40	CH 5188	16-15032	0.812 METRE
60 x 40	CH 58740	16-15008	14.257 METRE
80 x 40	CH 47670	16-15028	22.751 METRE
100 x 40	CH 5808	16-15073	49.505 METRE

IF IN DOUBT, ASK



NOTES:-
1) TOLERANCE FOR CUTTING TO LENGTH OF PILLAR $-\frac{+0}{-2}$

TITLE	ASSY SIDEFRAME LH	PART No.	90-23056	REV No.	C
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SHEET 3 OF 3

ASSY SIDEFRAME L/H

90-23056
REV No. C

EAST LANCES

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CONSENT



PROJECTION

DO NOT
DRAWING

GENERAL TOL + 0 mm
= 1 mm
USE STATION NUMBER

		ESTIMATED WEIGHT kg
	:25	

ALL DIMENSIONS IN MILLIMETRES

IF IN DOUBT, ASK

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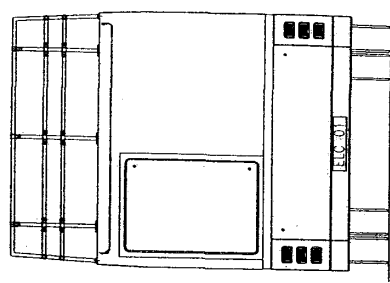
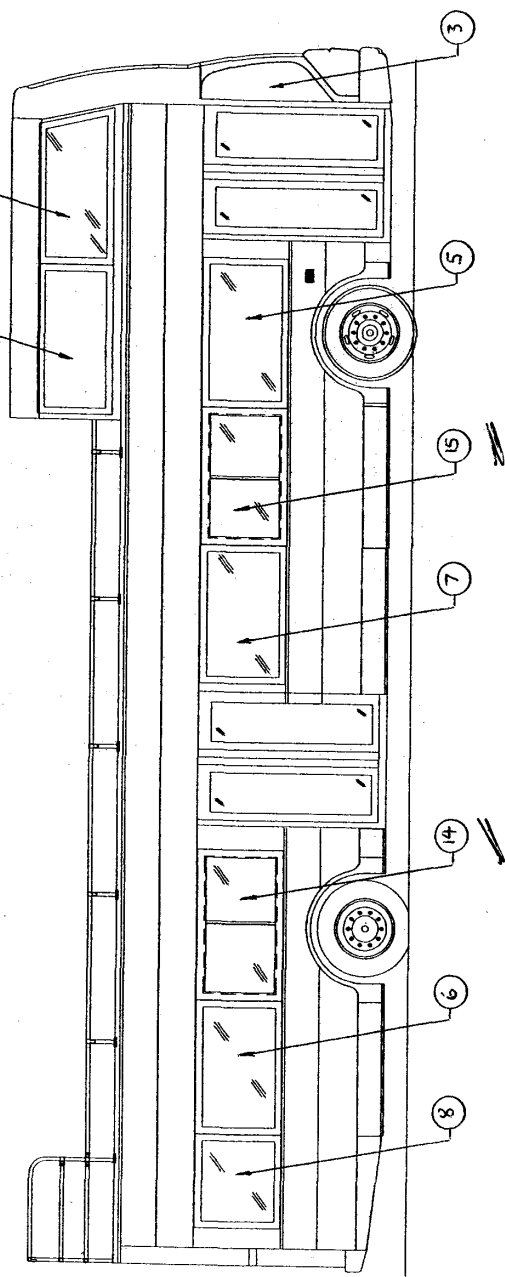
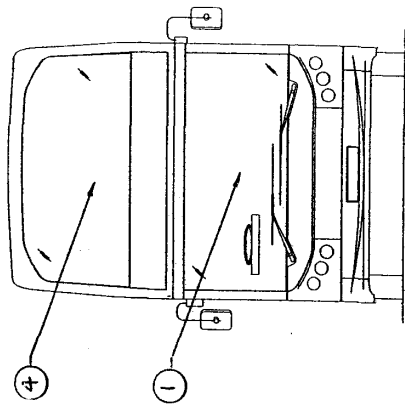
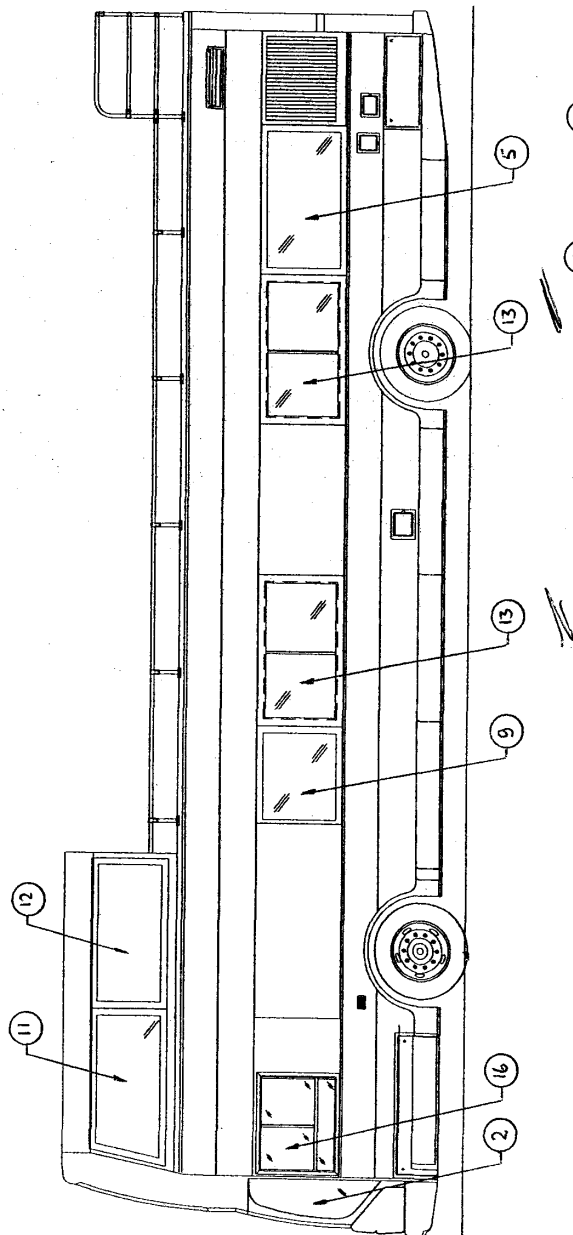
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G2.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
		NOTE - All glass is Green Tinted 72% and bonded unless otherwise stated	
1	39-19311-GN3	LOWER SALOON WINDSCREEN	1
2	39-19324-GN3	LOWER SALOON FRONT SIDE GLASS - LHS	1
3	39-19325-GN3	LOWER SALOON FRONT SIDE GLASS - RHS	1
4	39-19312-GN3	UPPER SALOON WINDSCREEN	1
5	39-19271-GN3	BODYSIDE GLASS - LHS/RHS	2
6	39-19273-GN3	BODYSIDE GLASS - RHS	1
7	39-19274-GN3	BODYSIDE GLASS - RHS	1
8	39-19275-GN3	BODYSIDE GLASS - RHS	1
9	39-19276-GN3	BODYSIDE GLASS - LHS	1
10	39-19630-GN3	BODYSIDE 'D' GLASS - RHS Upper Saloon	1
11	39-19631-GN3	BODYSIDE 'D' GLASS - LHS Upper Saloon	1
12	39-19633-GN3	BODYSIDE GLASS - RHS/LHS Upper Saloon	2
13	39-19280-GN3	BODYSIDE FULL DEPTH SLIDER ASSEMBLY - LHS	2
14	39-19281-GN3	BODYSIDE FULL DEPTH SLIDER ASSEMBLY - RHS	1
15	39-19288-GN3	BODYSIDE FULL DEPTH SLIDER ASSEMBLY - RHS	1
16	39-19282-GN3	CAB SIGNAL WINDOW - Two Sliding Panel	1
	49-11118	Locking Button	1
	11-11163	PREPARATION/APPLICATION FOR BONDED WINDOWS SIKA ACTIVATOR - Aluminium Cleaner	as reqd
	11-11162	SIKA 205 - Cleaner	as reqd
	11-11158	SIKA 210T - Metal Primer	as reqd
	11-15004	SIKAFLEX 265 - Adhesive	as reqd
	11-11160	SIKA 206GP - Black Glass Primer	as reqd
	11-11155	SIKA 208 - Adhesive /Sealant Remover	as reqd
	39-19245	EXIT PARTITION GLASS - Rearward	1
	39-19247	ENTRANCE PARTITION & EXIT PARTITION FRONT GLASS	2
	62-11121	Rubber Insert	24
		Refer to Drawing 2A for Glazing Arrangement	



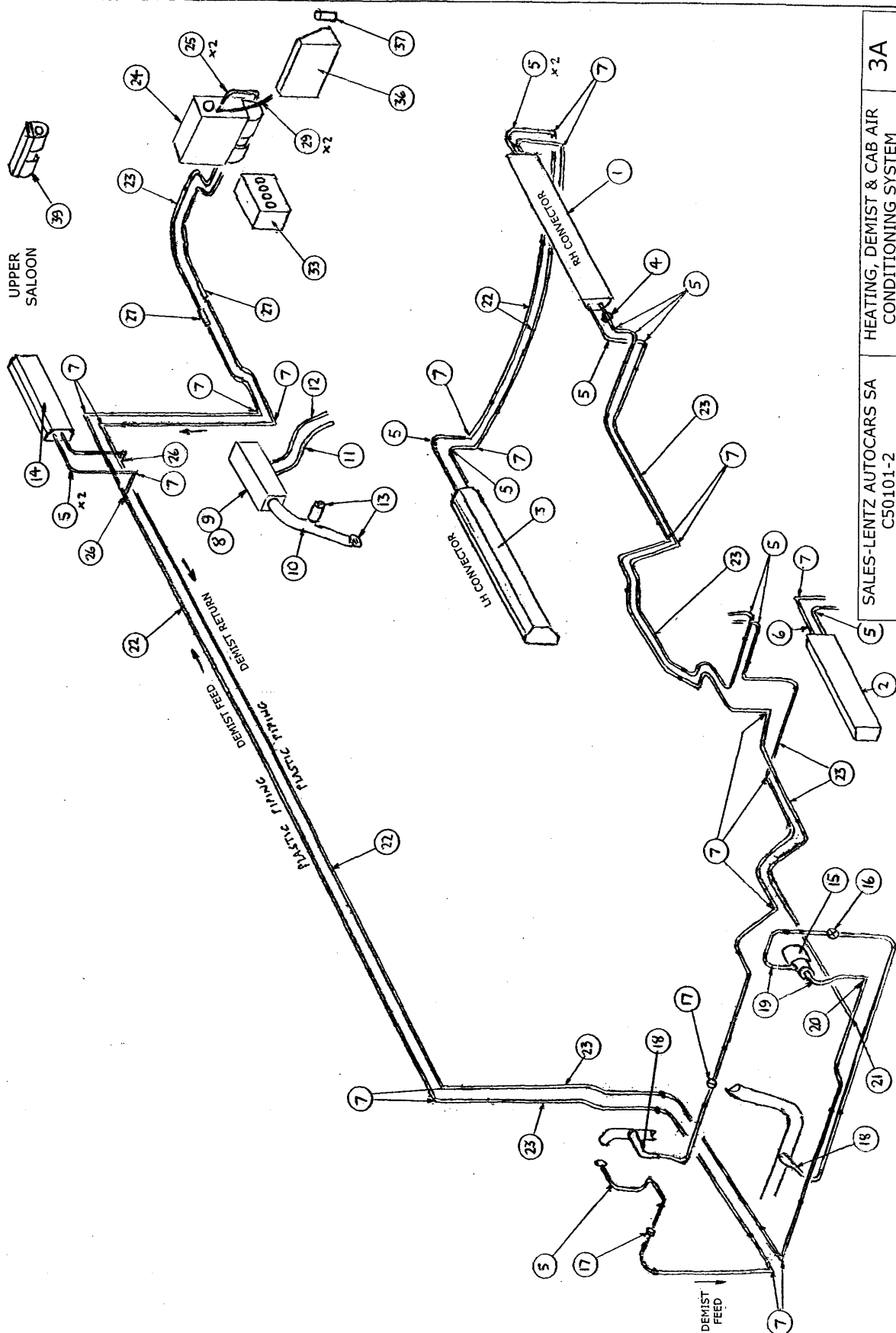
3. HEATING, DEMISTING & VENTILATION

G3.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
		LOWER SALOON HEATING SYSTEM	
1	43-19047-2500	CONVECTOR UNIT - 2500mm - Open Ends	1
2	43-19048-1100	CONVECTOR UNIT - 1100mm - Return U End	1
3	43-19048-2100	CONVECTOR UNIT - 2100mm - Return U End	1
4	43-11186	THERMOSTATIC VALVE	1
5	29-11315	SILICON ELBOW HOSE - 22mm	7
6	29-11317	SILICON STRAIGHT HOSE - 22mm	0.12m
7	43-15061	PLASTIC ELBOW - 22mm	1
8		WEBASTO AIRTOP 5000 COMBUSTION HEATER	1
9	90-23143	HEATER BOX - for Airtop 5000 Heater	1
10		Convolved Air Duct Hose - 110mm	as reqd
11		25mm Steel Flex Pipe - Heater Exhaust	as reqd
12		25mm Convolved Air Duct Hose - Heater Fresh Air Inlet	as reqd
13		Circular Grille	2
		Refer to Heater Manufacturers Literature for Parts Details	
		UPPER SALOON HEATING SYSTEM	
14	43-19048-1100	CONVECTOR UNIT - 1000mm - Return U End	1
5	29-11315	SILICON ELBOW HOSE - 22mm	2
		Refer to Illustration 3A for General Arrangement	
		ENGINE COMPARTMENT/UNDERSIDE PIPING	
15	43-11181	CIRCULATION PUMP	1
16	78-11122	GATE VALVE - 28mm	1
17	78-11112	IN LINE BALL VALVE - 22mm	2
18	29-11299	SILICON REDUCING ELBOW HOSE - 35/28mm	2
19	29-11326	SILICON REDUCING ELBOW HOSE - 38/28 mm	2
5	29-11315	SILICON ELBOW HOSE - 22mm	5
7	43-15061	PLASTIC ELBOW - 22mm	11
20	43-11161	PLASTIC ELBOW - 28mm	1
21	43-15072	PLASTIC 'T' CONNECTOR - 28/22/22mm	1
22	43-15057	PLASTIC PIPE - 22mm	as reqd
23	29-11189	PIPE INSULATION - 22mm	as reqd
	28-11158	PIPE CLIP - Telecleat no 10 - 22mm	30
	28-11159	PIPE CLIP - Telecleat no 12 - 28mm	2
		Refer to Illustration 3A for General Arrangement	
		CAB HEATING & DEMISTING SYSTEM	
24	43-19051	AIR BLEND DEMISTER/HEATER UNIT	1
	43-15055	Blower Unit & Housing	1
	62-11119	Rubber Seal - Demist Unit to Plenum Chamber	as reqd
25	29-11302	SILICON REDUCING ELBOW HOSE - 22/15mm	2
7	43-15061	PLASTIC ELBOW - 22mm	6
26	43-15094	PLASTIC 'T' CONNECTOR - 22/22/22mm	2
27	43-15062	PLASTIC STRAIGHT CONNECTOR - 22mm	2
22	43-15057	PLASTIC PIPE - 22mm	4
	28-11158	PIPE CLIP - Telecleat no 10 - 22mm	4
23	29-11189	PIPE INSULATION - 22mm	as reqd
28	43-15076	DOUBLE SLIDE CONTROL UNIT	1
29	43-15073	CONTROL CABLE - 2315mm	2
30	43-15077	CONVOLUTED AIR DUCT HOSE - 2.5"	as reqd
31	43-15093	SIDE ENTRY ADAPTOR - 2.5"	4
		Refer to Illustration 3A and 3B for General Arrangement	

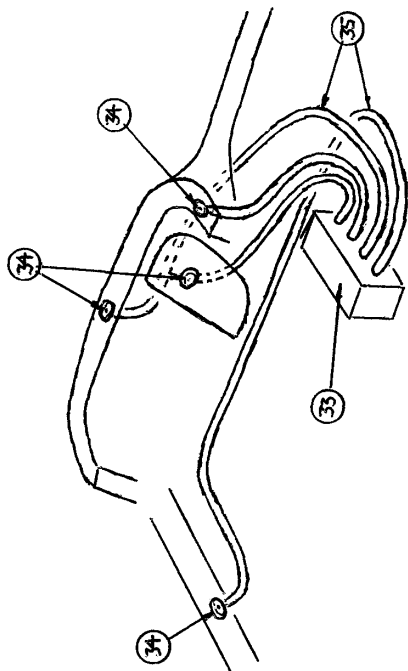
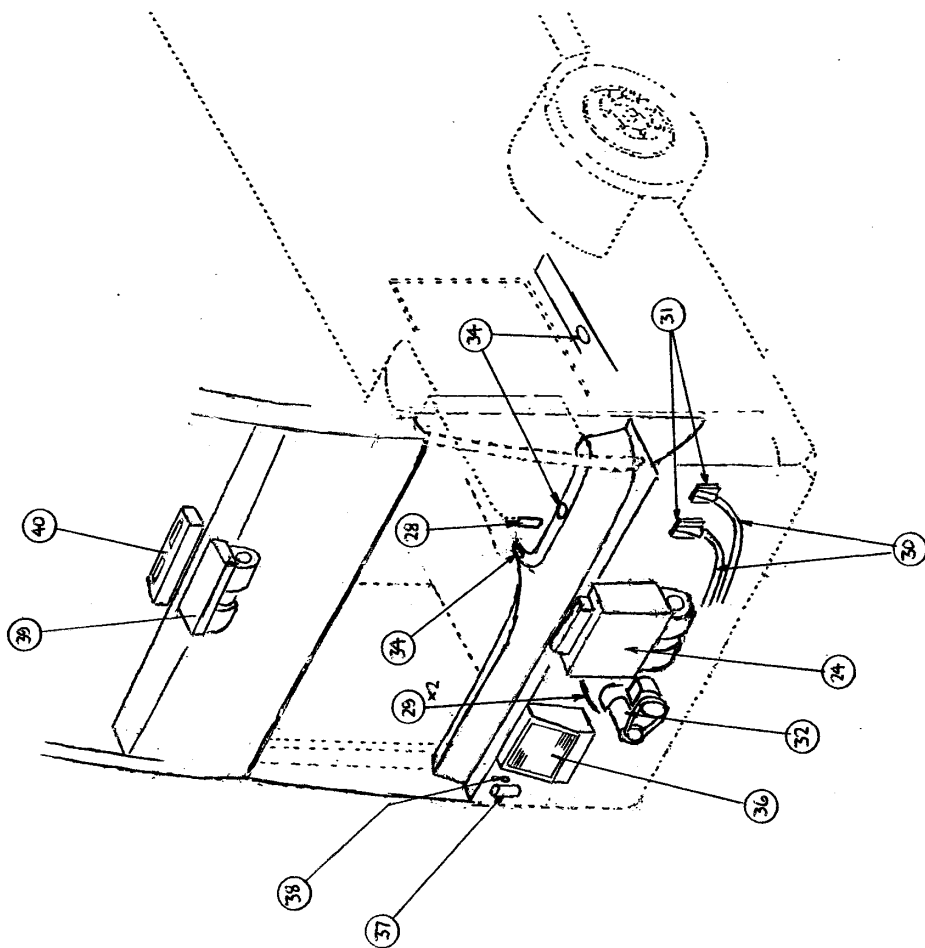
G3.2

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
32	S3D A06-AS99	CAB AIR CONDITIONING SYSTEM - Denso	
		COMPRESSOR ASSEMBLY	1
		Compressor Unit	1
		Magnetic Clutch Assembly	1
		Drive Belt	1
		Electric Motor	1
		Adjusting Screw	1
	93-22966	Mounting Plate	1
		Flex Hose - Suction	1
		Flex Hose - Discharge	1
33	93-23126	EVAPORATOR ASSEMBLY	1
	43-19095	Evaporator Unit - S3D A05-EL01	1
		Evaporator Matrix	1
	93-22983	Grille/cover	1
	43-19094	Filter Pad	1
		Fan Motor	1
34	79-11122	Eyeball Vent	4
35	74-11196	Air Duct Hose - 1.75"	as reqd
36	43-19096	CONDENSER ASSEMBLY - 441100-1630	1
		Condenser Unit	1
		Fan Motor	1
		Fan Blade	1
	146625-2510	Mounting Bush	4
	949321-3220	Vibration Rubber	4
37	43-19098	Receiver/Dryer Assembly - 447810-0060	1
38	443440-0461	High Pressure Switch	1
		Refer to Illustration 3B for General Arrangement	
39	43-15055	UPPER SALOON WINDSCREEN DEMISTING	1
40		BLOWER UNIT & HOUSING	
		VENT UNIT - Denso	1
		Refer to Illustration 3B for General Arrangement	



SALES-LENTZ AUTOCARS SA
C50101-2

HEATING, DEMIST & CAB AIR
CONDITIONING SYSTEM



EVAPORATOR PIPING ARRANGEMENT

4. INTERIOR FITTINGS & FIXTURES

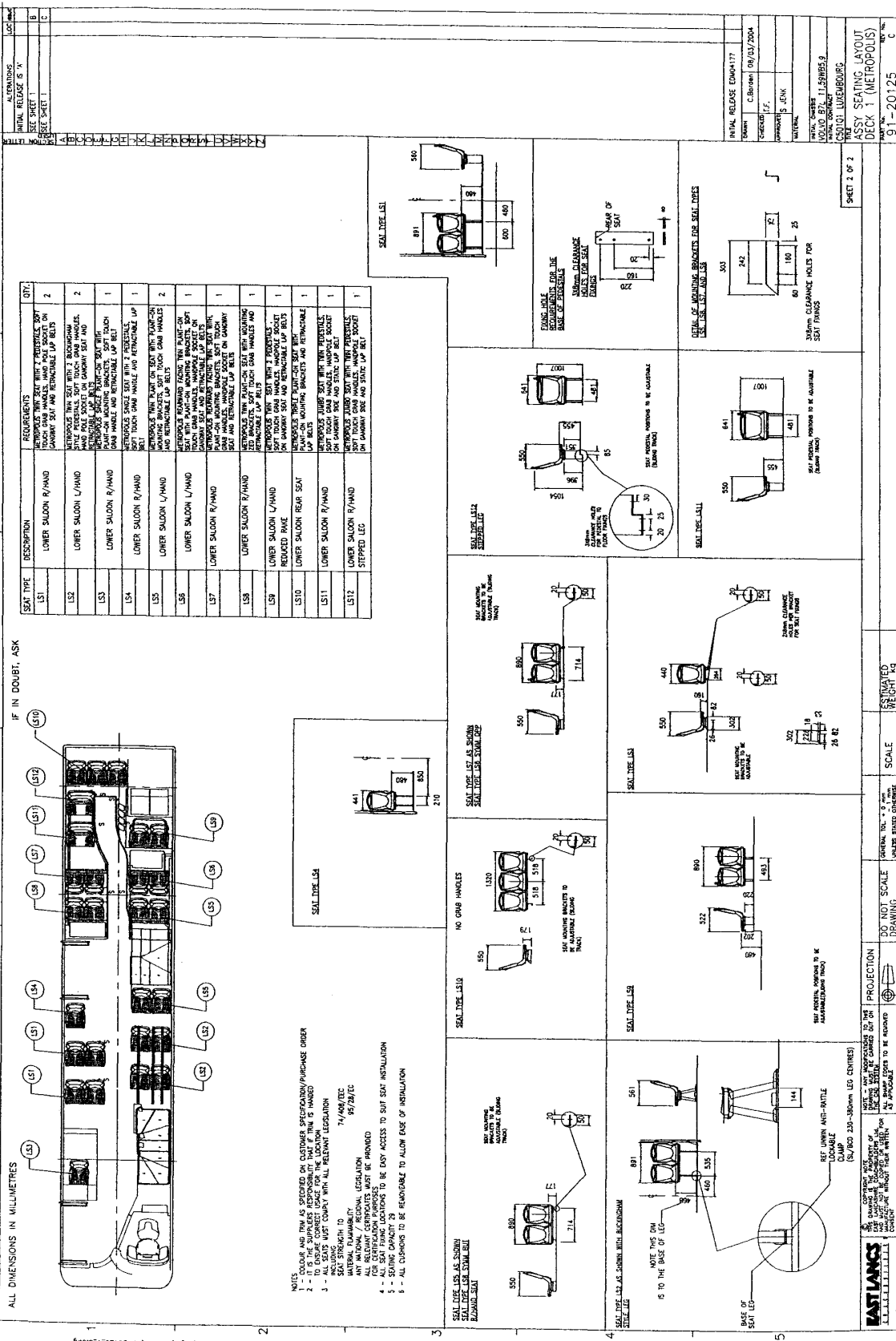
G4.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
1	73-11160	FLOOR COVERING - Altro Transflor Midnight VM20 421	as reqd
2	53-19000 53-19001-BK 45-19006-1650 45-19017 45-19027 45-19021	ALUMINIUM STEP NOSING - Type SN1 INFILL STRIP - Black UNWIN LOW PROFILE FLOOR TRACKING - 1650mm UNWIN LOW PROFILE END CAP UNWIN ANTI RATTLE LOCKABLE CLAMP UNWIN TRACKING INSERT	as reqd as reqd 3 6 4
3	34-15316-BK1	ROUND FLOOR TRAP - Small - Black	3
4	45-19004	SLOTTED PULL LATCH - DP150S - Transmission Access Cover	2
5	37-19309 67-11156 67-11156-A 52-11248 52-11249 93-20449 49-19002 44-11112 52-11195	MTB METROPOLIS URBAN SEATING - c/w Lap Seat Belts to Both Saloons & Moquette Pads to lower Saloon SEAT POD - At Lower Saloon Engine Cover - Squab & Cushion SEAT CUSHION & SQUAB FOAM DRIVERS SEAT - Isringhausen 6500/517 - Air Suspension ARMREST - for Drivers Seat MOQUETTE - Holdsworth A671BG - RH MOQUETTE - Holdsworth A671BG - LH SEAT MOUNTING/STORAGE BOX Lock - Type 3639-2 including key FS880 Hinge TRIMCELL MATERIAL - Classic Dove Grey - Stair Headroll Refer to Drawings 4A to 4D for Seating Arrangement Details	 1 2 1 1 as reqd as reqd 1 1 0.3m as reqd
6	50-19160-GY11	DOOR BOX COVER - Front/Centre - Mid Grey NCS S5502B	2
7	34-19411-GY14	FRONT 'A' PILLAR FINISHER LHS - Mid Grey NCS S5502B	1
8	34-19412-GY14	FRONT 'A' PILLAR FINISHER RHS - Mid Grey NCS S5502B	1
9	34-19235-GY14	ACCESS COVER - Drivers Side Console - Mid Grey	1
10	34-19239-GY14	ACCESS COVER UPPER - Stair Stringer Panel - Mid Grey	1
11	34-19240-GY14	ACCESS COVER LOWER - Stair Stringer Panel - Mid Grey	1
12	34-19780-GY14	ACCESS COVER UPPER - Lower Saloon Rear Panel - Mid Grey	1
13	34-19295-GY14 45-11162	ACCESS COVER LOWER - Lower Saloon Rear Panel - Mid Grey Locating Pin - Small	1 3
	90-23149	COVE PANEL ASSY Lower & Upper Saloon - Refer to Drawings 4E & 4F	
	90-23148	WINDOW CAPPING & FINISHER - Silver Grey Balmoral Finish Refer to Drawing 4G for Arrangement Details	
	51-11153 51-11125 51-19001	MIRROR HEAD - Ashtree M310CEA1 Glass Refill Mounting Bracket	1 1 1
	24-15001	DRIVERS SUN VISOR - 1650 x 550drop - Electrically Operated	1
	74-11142 74-11137 59-11111 87-11113 87-11111	35mm POLISHED STAINLESS STEEL HANDRAIL 25mm POLISHED STAINLESS STEEL HANDRAIL Filler Strip - Grey PVC - Roof Track Plastic End Cap - for 35mm Handrail Plastic End Cap - for 25.4mm Handrail	as reqd as reqd as reqd 9 14
14	90-20133-GY14 49-11120 44-15002 45-11119	DRIVERS CAB DOOR ASSEMBLY - Mid Grey NCS S5502B Cab Door Lock - PP1/8A RH Hinge - Centaflex Black Check Strap - Nylon c/w Staples	1 1 1m 1

4. INTERIOR FITTINGS & FIXTURES

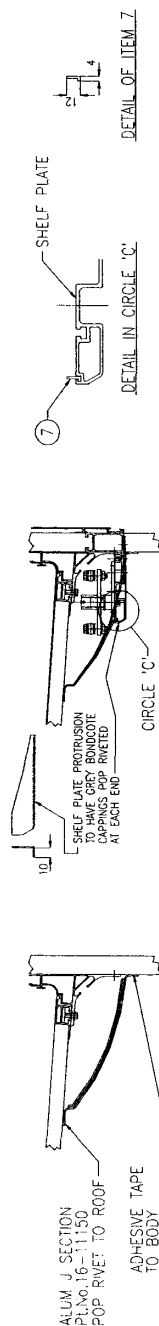
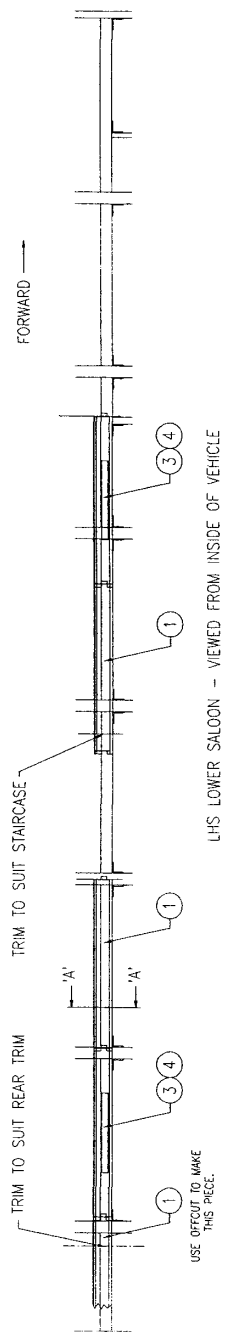
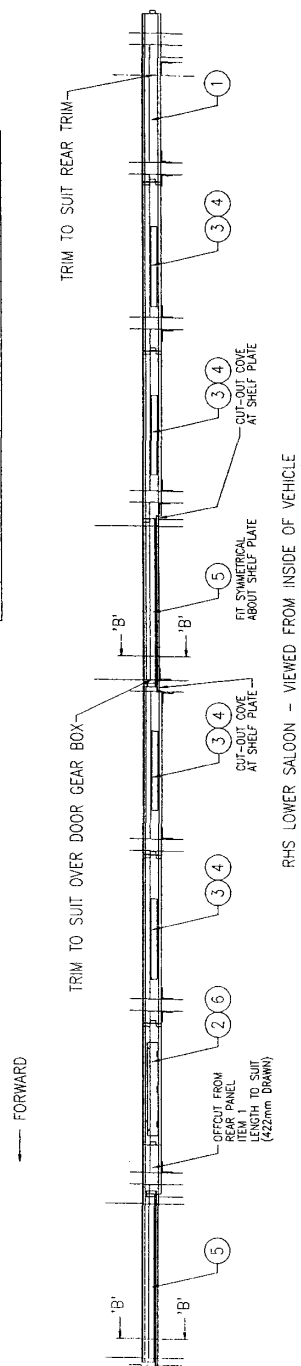
G4.2

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
	74-11142 21-15000 93-20573 58-19001-GY9 54-11218	ENTRANCE & EXIT PARTITION ASSEMBLIES 35mm Polished Stainless Steel Rail Support Clamp - for Glass Panel 'P' Clamp - for Security Panel Security Panel - Entrance & Exit Partitions - ABS - Silver Grey Domed Nut Cap - 6mm Black Refer to Group 2 for Details of Glass Panels	as reqd 12 12 3 12
15	36-15000 36-15001	FIRE EXTINGUISHER - Desautel P6P Poudre ABC Support Bracket	2 2
	41-11111 41-11113	EMERGENCY BREAK GLASS HAMMER Hammer Bracket	6 6
16	90-17314 44-11112 45-11123	USED TICKET BOX - Small Std Red Piano Hinge Gravely Catch	1 0.8m 1
	45-11190	ACCESS FLAP - Small - Boost Socket in Cab Step Riser	1
	45-11114	COAT HOOK Velcro Strap	1 1
	45-11675	8mm HEX KEY	1
17	93-22593-GY14 93-22594-GY14	STORAGE BOX ASSEMBLY Mounting Bracket	1 1
		Refer to Drawing 4H for Interior General Arrangement	
1 2 3 4 5 6 7 8	59-11117 59-11118 59-11119 59-11143 93-17462 93-20516 93-22596 87-11149 11-11125 87-11183	UPPER SALOON DRAINAGE SYSTEM PLASTIC ELBOW - 1.5" - 90° PLASTIC ELBOW - 1.5" - 45° PLASTIC PIPE - 1.5" PLASTIC CONNECTOR - 1.5" WASTE PORT - 1.5" Chrome Finish - Stairway Step WASTE PORT - 1.25" Chrome Finish - U/S Floor DRAINER HOSE 8mm - Terylene Reinforced - U/S Seat Box Drain GREY SEALER PLASTIC CEMENT Refer to Illustration 4J for General Arrangement	28 4 as reqd 1 1 8 1 0.12m as reqd as reqd



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1	2	3	4	5	6	7	8	9	10	11	12	13</																																																																																							

ITEM	PART NO.	DESCRIPTION	QTY.
1	50-19045	GY11	4
2	150-19135	GY11	1
3	50-19076	GY11	6
4	34-19200	GY3	6
5	50-19160	GY1	2
6	93-20438	SUPPORT ANGLE	1
7	13-11111	1498mm	2
8		ANGLE CUT DOWN (SEE DETAIL)	1

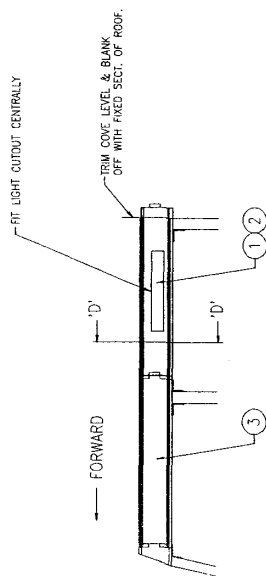


NOTE- COVE PANELS TO BE FITTED IN ACCORDANCE WITH
ENGINEERING WORK INSTRUCTION, ENG_03_002_03_1001.

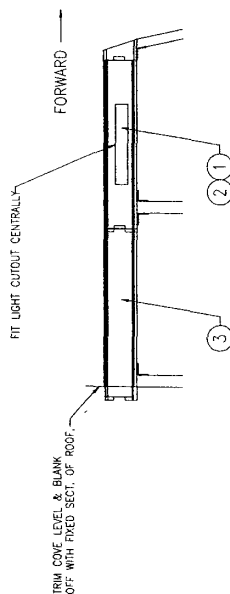
90-23149	TITLE	INST'L INT. COVE PANELS
	HEET 1 OF 2	

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ITEM	PART No.	DESCRIPTION	QTY.
1	50-19077 -	GY11 COVE PANEL WITH LIGHT CUTOUT	2
2	34-19200 -	GY3 LIGHT MOUNTING BASE	2
3	50-19030 -	GY11 COVE PANEL (PLAIN)	2

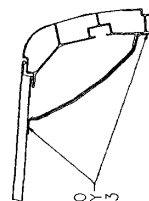


RHS UPPER SALOON - VIEWED FROM INSIDE OF VEHICLE



LHS UPPER SALOON - VIEWED FROM INSIDE OF VEHICLE

NOTE - COVE PANELS TO BE FITTED IN ACCORDANCE WITH ENGINEERING WORK INSTRUCTION, ENG_03_002_03_1001

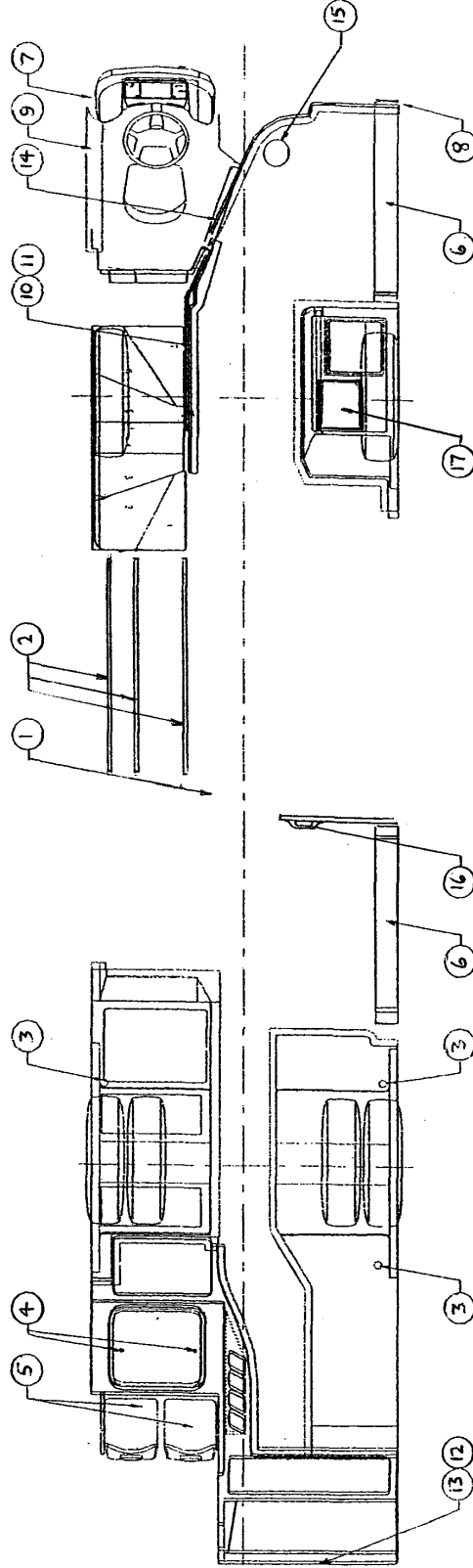
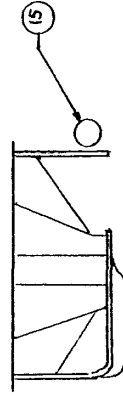
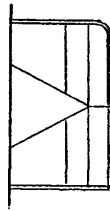


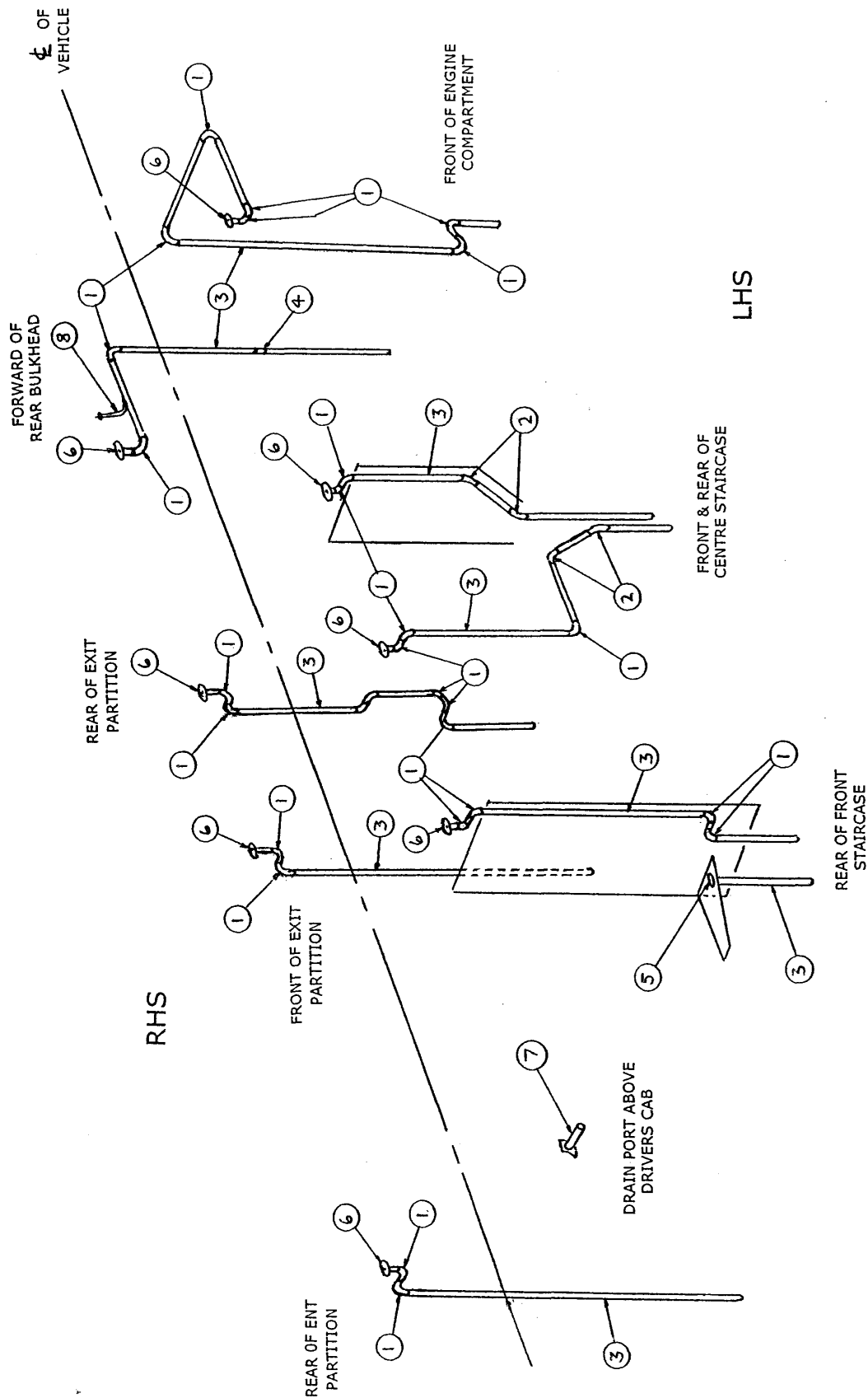
SECTION ON 'D'-'D'

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DO NOT SCALE DRAWING	GENERAL TOL. ± 0 mm - 1 mm UNLESS STATED OTHERWISE	SCALE 1:1	ESTIMATED WEIGHT kg
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90-23149 A





5. ELECTRICAL EQUIPMENT

G5.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
	90-22915 (ref)	MAIN CONTROL ASSEMBLY - Drivers Partitiion	
	60-11144	Relay - 15H11	24
	38-11111	Fuse Blade - 10A	17
	38-11113	Fuse Blade - 3A	19
	38-11191	Midi Fuse - 40A	1
	26-15001	Timer Unit - Type 1474 - Heated Mirrors	1
	90-22914 (ref)	MAIN CONTROL ASSEMBLY - Rear of Lower Saloon	
	60-11144	Relay - 15H11	6
	38-11111	Fuse Blade - 10A	1
	38-11171	Fuse Blade - 5A	4
	38-11191	Midi Fuse - 40A	1
	90-23197 (ref)	CONTROL ASSEMBLY - Under Front Staircase	
	60-11144	Relay - 15H11	10
	38-11111	Fuse Blade - 10A	1
	38-11113	Fuse Blade - 3A	4
	38-19001	Fuse blade - 16A - Webasto Heater & Fan	2
		Door Controller - Peters Part	1
		DOOR CONTROL ASSEMBLY	
	TBA	Entry Spool Valve Assembly	1
	TBA	Exit Spool Valve Assembly	1
	TBA	Entrance & Exit Relay Assembly	1
	TBA	Exit EP & Relay Assembly	1
		Refer to Drawings 5A to 5D for System Details	
		EXTERIOR LIGHTING	
1	47-19002	HEADLIGHT UNIT - Dip Beam	2
2	47-19003	HEADLIGHT UNIT - Main Beam	2
	47-11196	Bulb - Headlight (466) 24V 70W H1	4
	47-19032	Rubber Boot - Headlight	2
	47-19051	Plastic Cap	2
3	47-19004	FRONT INDICATOR/SIDELAMP	2
	47-11131	Bulb - (241) 24V 21W SCC - Indicator	2
	47-11371	Bulb - (149) 24V 5W SCC - Side Lamp	2
4	47-19088	LED MARKER LIGHT - White - Front Dome	2
5	47-15035	FLANK INDICATOR	2
	47-11131	Bulb - (241) 24V 21W SCC	2
6	47-19089	LED MARKER LIGHT - Red - Upper Rear Panel	2
7	47-19067	LED STOP/TAIL LIGHT - Rectangular - Rear Corner Panels	2
8	47-19068	LED INDICATOR - Rectangular - Rear Corner Panels	2
9	47-19069	LED HIGH INTENSITY LIGHT - Rectangular - LHS Rear Corner	1
10	47-19070	REVERSE LIGHT - RHS Rear Corner	1
11	47-19071	LED REGISTRATION LIGHT - In Rear Bumper	2
12	47-11460	REFLECTOR - Red	2
13	47-11139	MARKER LIGHT - RED/CLEAR - Rear Corners	2
	47-11371	Bulb - 24V 5W SCC	2
14	47-11475	REFLECTOR - Amber - Above Side Skirt Panels	10
		Refer to Arrangement Drawing 5E	

5. ELECTRICAL EQUIPMENT

G5.2

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
1	47-11384	INTERIOR LIGHTING - Lower Saloon	
2	34-19200-GY3	FL120 Series Fluorescent Light Unit	6
	47-11153	Light Mounting Base	6
		Fluorescent Tube - 18W/23 18" Long	6
		Inverter - XCB120/24	6
1	47-11384	INTERIOR LIGHTING - Upper Saloon	
2	34-19200-GY3	FL120 Series Fluorescent Light Unit	2
	47-11153	Light Mounting Base	2
		Fluorescent Tube - 18W/23 18" Long	2
		Inverter - XCB120/24	2
3	47-11214	INTERIOR LIGHTING - Cab, Entrance & Exit	
4	47-11213	DOWN LIGHT FITTING - Flush Fit - Front/Centre Doors	4
5	47-11211	Dichroic Lamp (MR16C) - 24V 35W	4
6	47-11464	DOWN LIGHT FITTING - Flush Fit - Cab Area	1
		Dichroic Lamp (MR16) - 24V 20W	1
7	90-11132	INTERIOR LIGHTING - Front & Centre Staircase	
	47-11194	STEPLIGHT ASSEMBLY	14
	47-11371	LIGHT UNIT - Griptone Black	14
		Bulb (149) - 24V 5W SCC	14
8	47-11202	GANGWAY LIGHTING - Upper Saloon	
	47-11128	LIGHT UNIT	9
		Bulb - 24V 10W SCC	9
		Refer to Drawing 5F for Interior Lighting General Arrangement	
		DESTINATION LIGHTING	
		Integral With Electronic Destination Equipment	
1		INSTRUMENT PANEL	
2	70-11221	DASH SWITCH PANEL - Volvo Part	1
3	70-11206	SWITCH UNIT - 1 Way - 511-025	8
4	70-11172	SWITCH UNIT - 2 Way - 511-032 - Demist, Cab Heater, A/C	3
5	47-11164	SWITCH UNIT - 2 Way Momentary - 511-059 - Sunvisor	1
6	47-11168	IDENT - Green - Interior Lights - 596-641	2
7	47-11239	IDENT - Green - Cab Light - 596-637	1
8	47-11170	IDENT - Amber - Reverse Horn - 595-400	1
9	47-11163	IDENT - Amber - Rear Fog - 596-609	1
10	47-11256	IDENT - Green - Demist Blower - 596-422	1
11	47-11256	IDENT - Green - Water Pump	1
12	47-11256	IDENT - Green - Cab Heater	1
13	47-11256	IDENT - Green - Heated Mirror	1
14	47-11256	IDENT - Green - Cab Air Con	1
15	47-11256	IDENT - Yellow - Computer	1
16		IDENT - Yellow - Sunvisor	1
17		SWITCH BLANKS - Volvo Parts	6
18		HAZARD SWITCH/IDENT - Volvo Part	1
19		STEERING WHEEL ADJ SWITCH/IDENT - Volvo Part	1
20		RETARDER SWITCH/IDENT - Volvo Part	1
21		FERRY LIFT SWITCH/IDENT - Volvo Part	1
22	51-11123	KNEEL SWITCH/IDENT - Volvo Part	1
		JOYSTICK CONTROL - Exterior Mirrors	1
		Refer to Illustration 5G for Panel Arrangement	

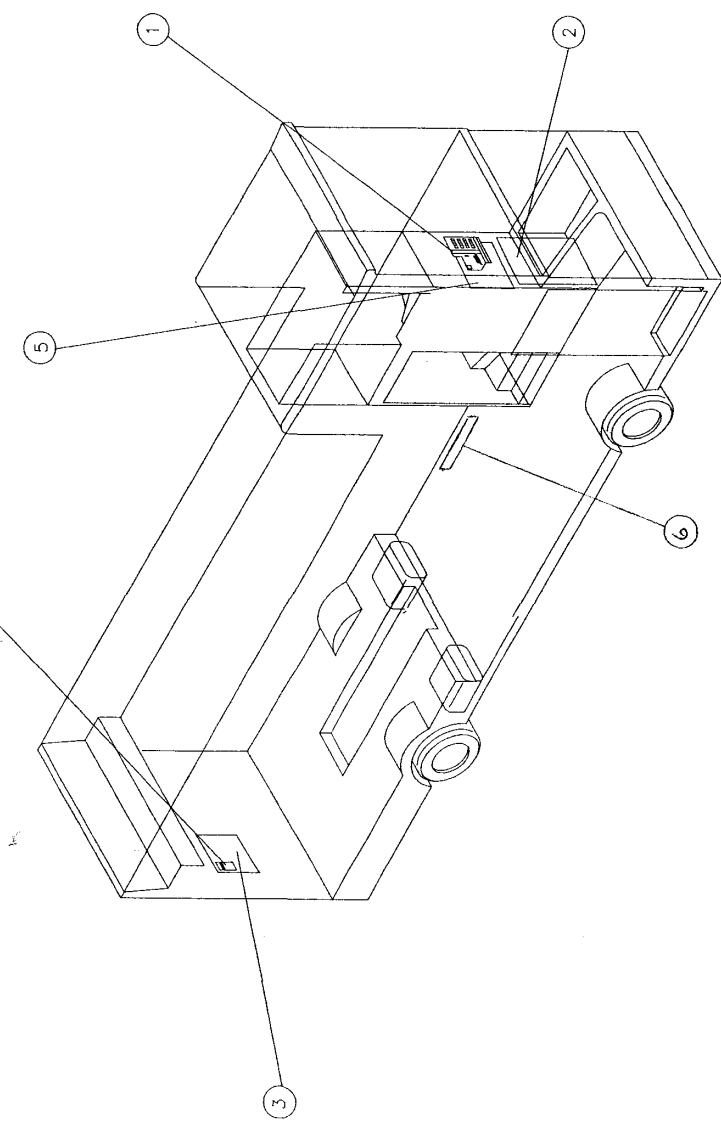
G5.3

[illegible]

A B C D

ALL DIMENSIONS IN MILLIMETRES

IF IN DOUBT, ASK



REF	PART No	DESCRIPTION	QTY
1	90-22915	MAIN CONTROL ASSY	1
2	90-22240	U/STAIR CHASSIS ELEC	1
3	90-22255	REAR CHASSIS ELEC	1
4	90-22914	REAR ELEC ASSY	1
5	90-23197	U/STAIR ELEC ASSY	1
6		DOOR CONTROL ASSY	1

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NOTE - ANY MODIFICATIONS TO THIS
DRAWING MUST BE CARRIED OUT ON
THE CAD SYSTEM
ALL DIMENSIONS TO BE REMOVED
AS APPLICABLE

DO NOT SCALE
DRAWING

PROJECTION

GENERAL TOL +0 mm
UNLESS STATED OTHERWISE

SCALE

ESTIMATED
WEIGHT kg

PART No.

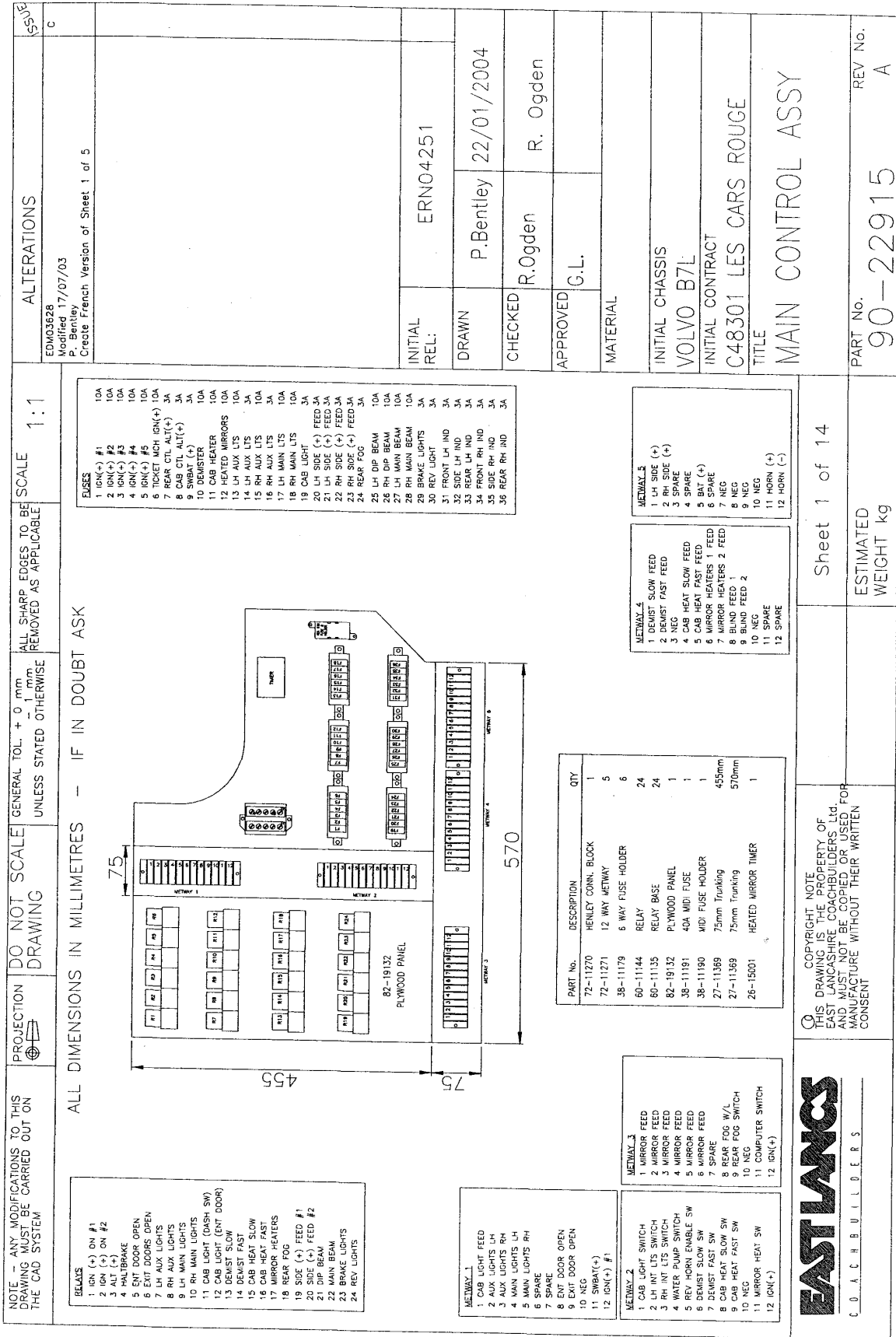
96-20401

REV No.
..1

SECTION LETTER	USED	ALTERATIONS	LOC Issue
A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			
M			
N			
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

INITIAL REL	ERN04342
DRAWN	P Bentley 04-May-04
CHECKED	
APPROVED	
MATERIAL	
INITIAL CHASSIS	
VOLVO	
INITIAL CONTRACT	
C50101 LUXEMBOURG	
TITLE	
ELEC ASSY LOCATIONS	

ORIGINAL FRAME SIZE 84 mm x 594 mm



ORIGINAL FRAME SIZE 420mm x 297mm

EASTLANCS
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Sheet 1 of 14

ESTIMATED
WEIGHT kg

PART No.
90-22915

REV No.
A

TITLE
MAIN CONTROL ASSY

INITIAL CONTRACT
C48301 LES CARS ROUCE

INITIAL CHASSIS
VOLVO B7L

MATERIAL

APPROVED
G.L.

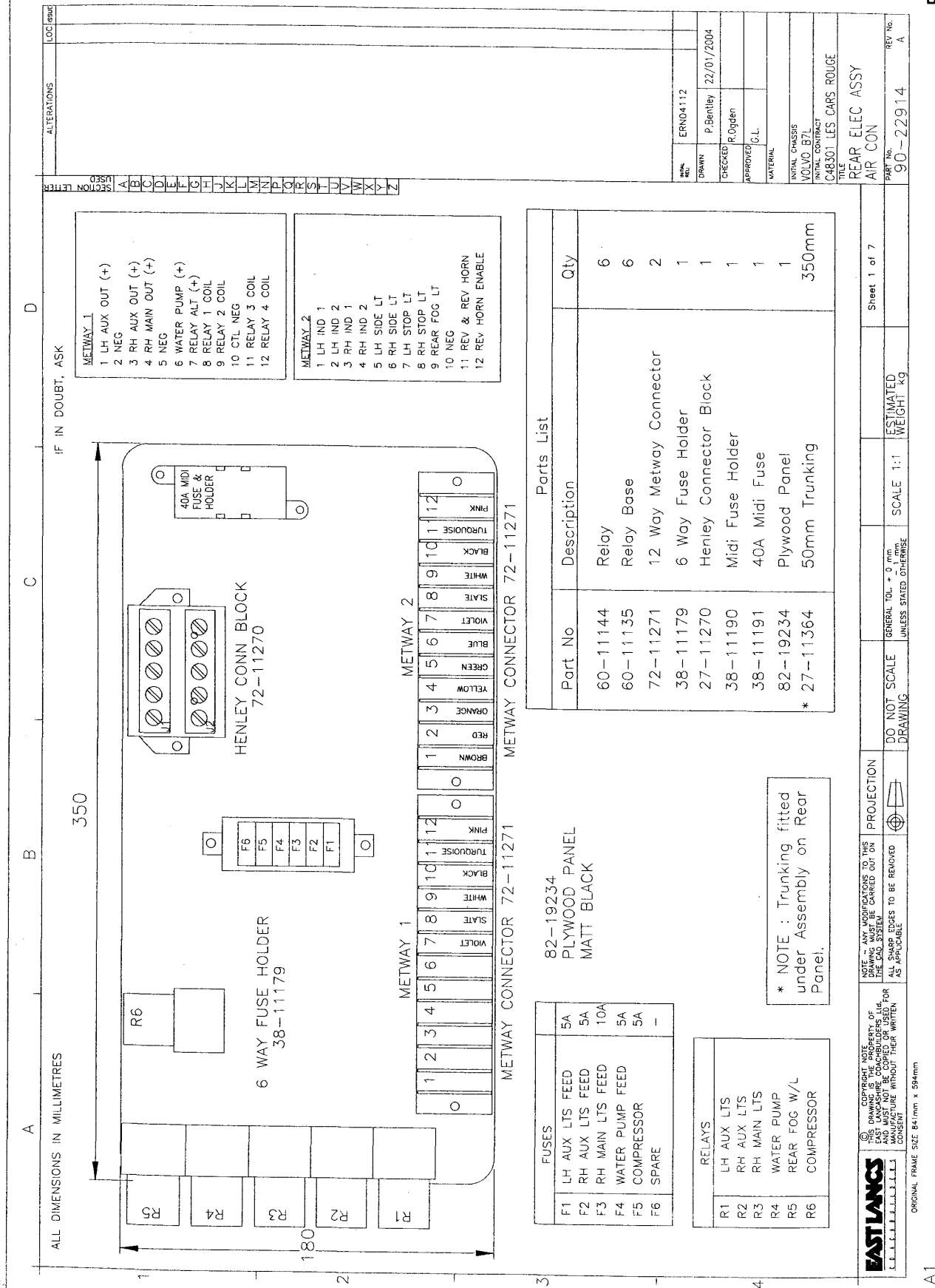
CHECKED
R.Ogden

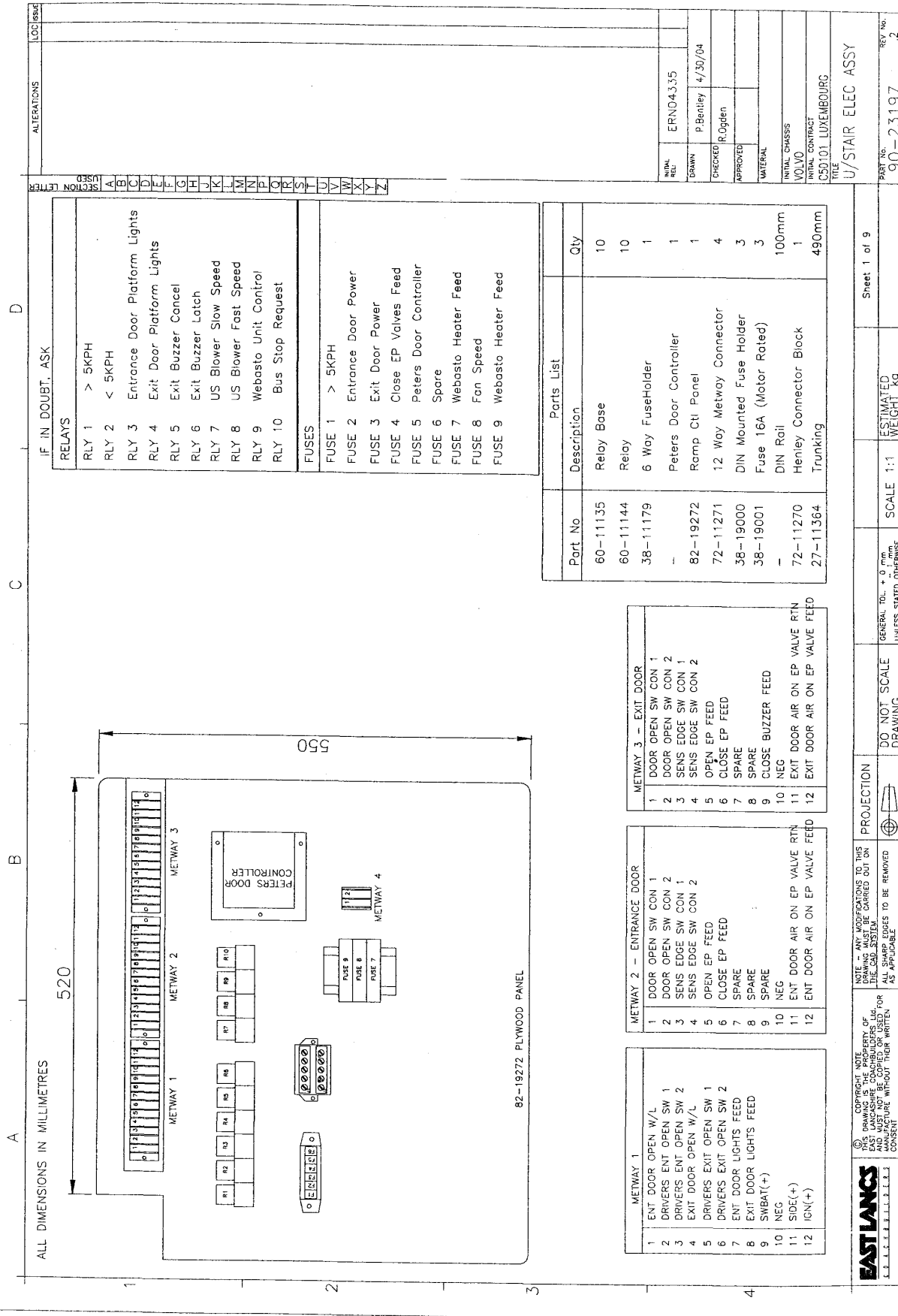
DRAWN
P.Bentley

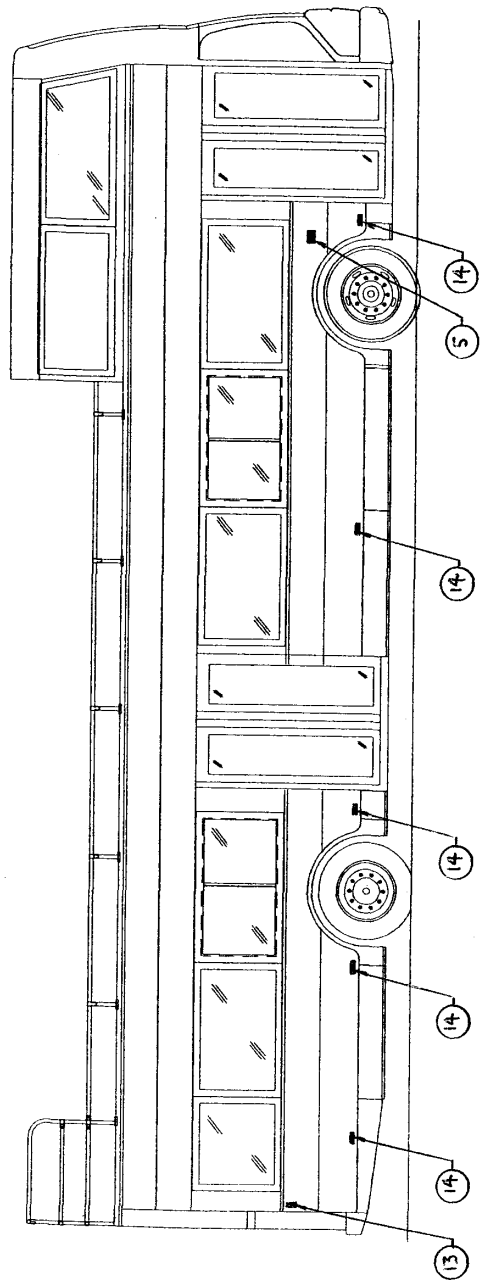
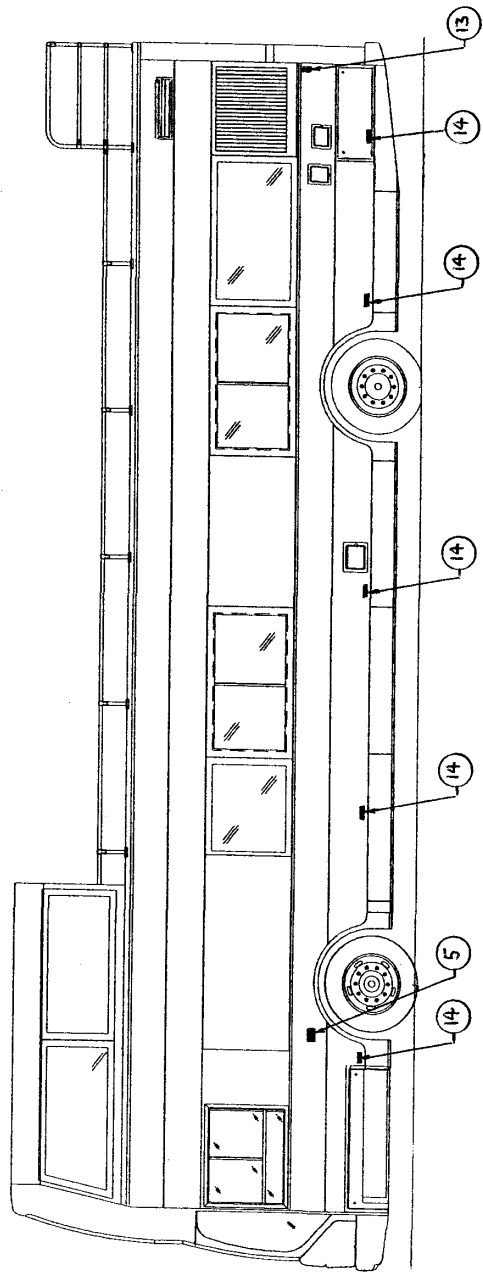
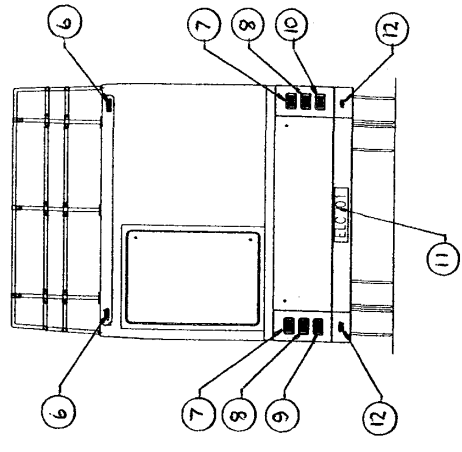
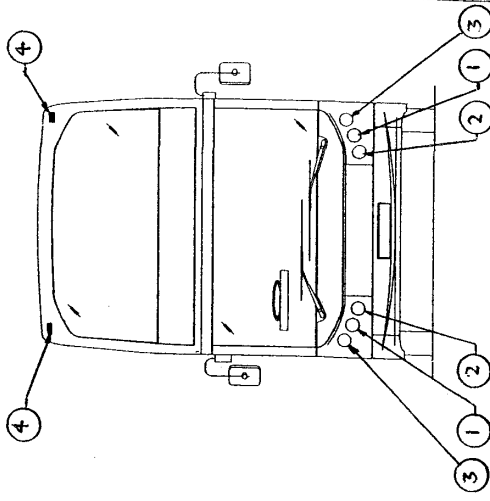
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ERN04251

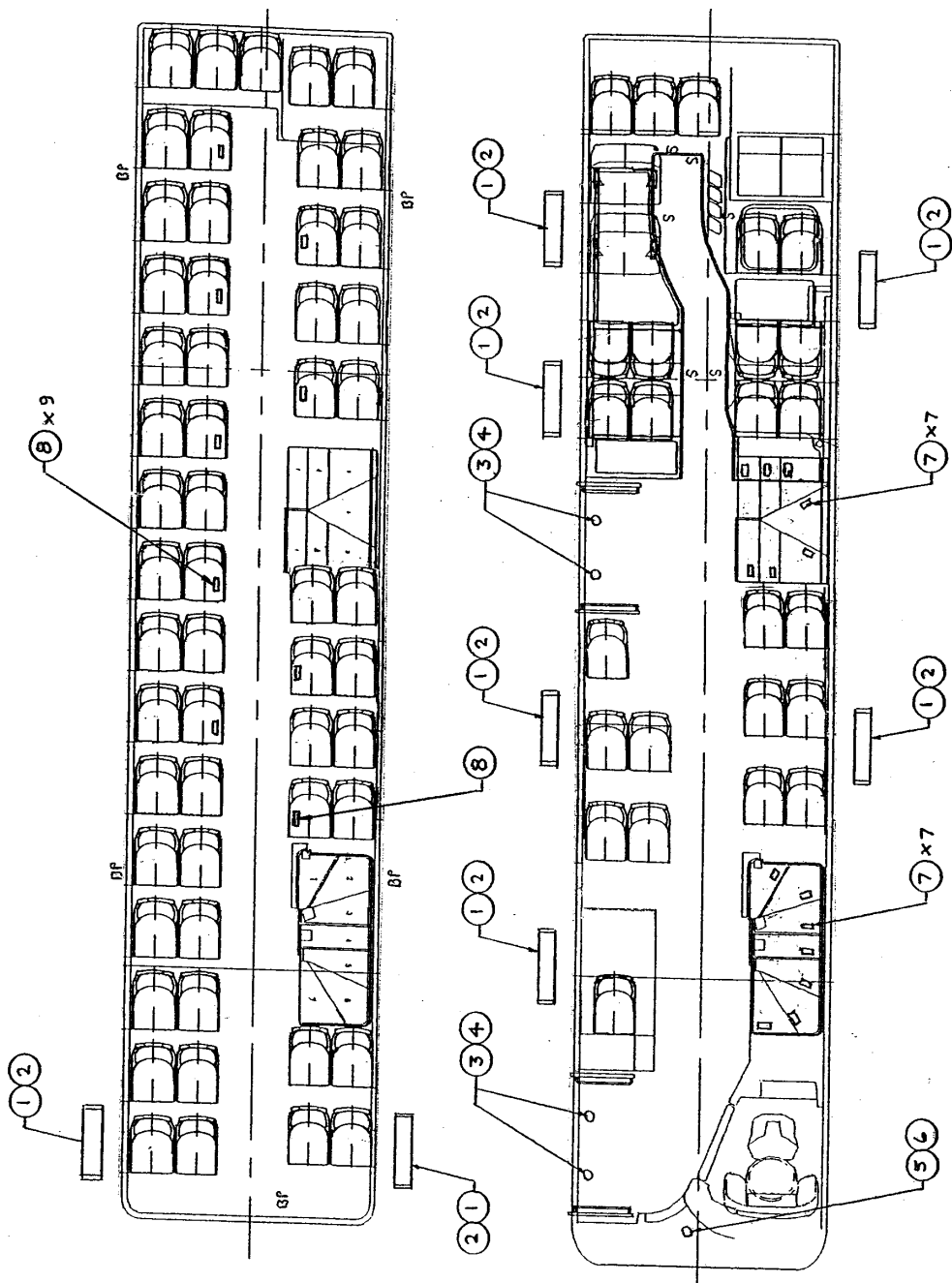
ALTERATIONS

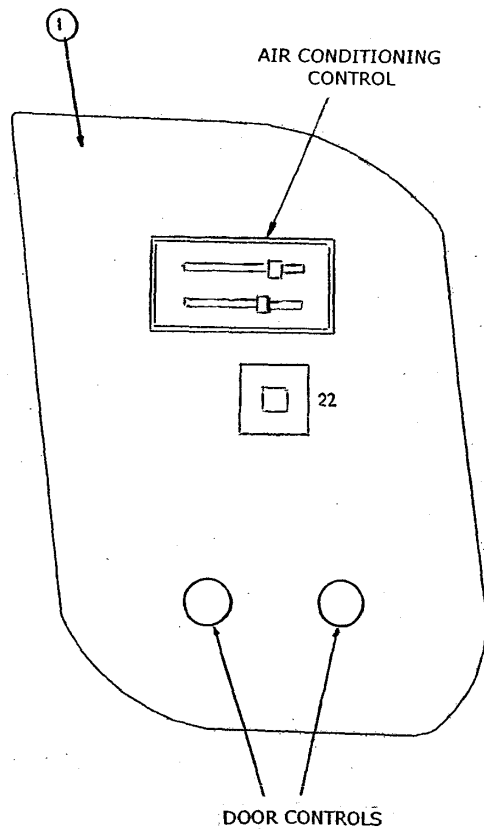
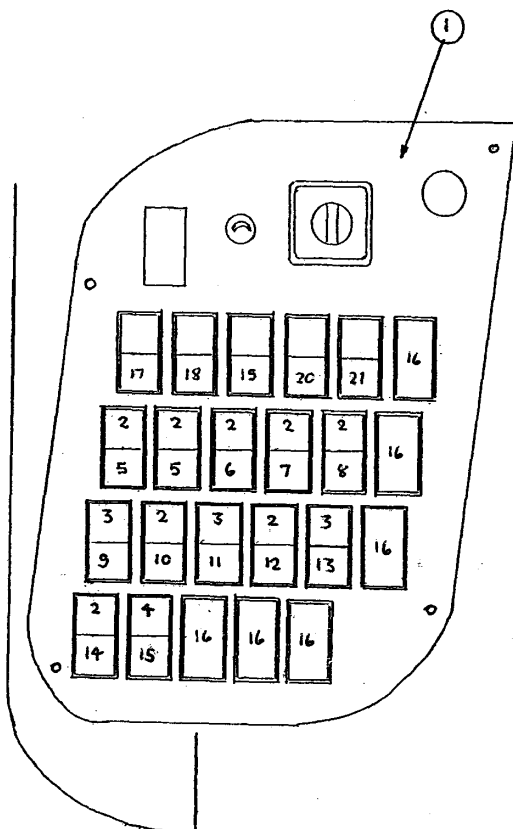
EDM03628
Modified 17/07/03
P. Bentley
Create French Version of Sheet 1 of 5



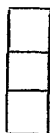




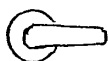




HANDBRAKE



GEAR SELECTOR



MASTER SWITCH

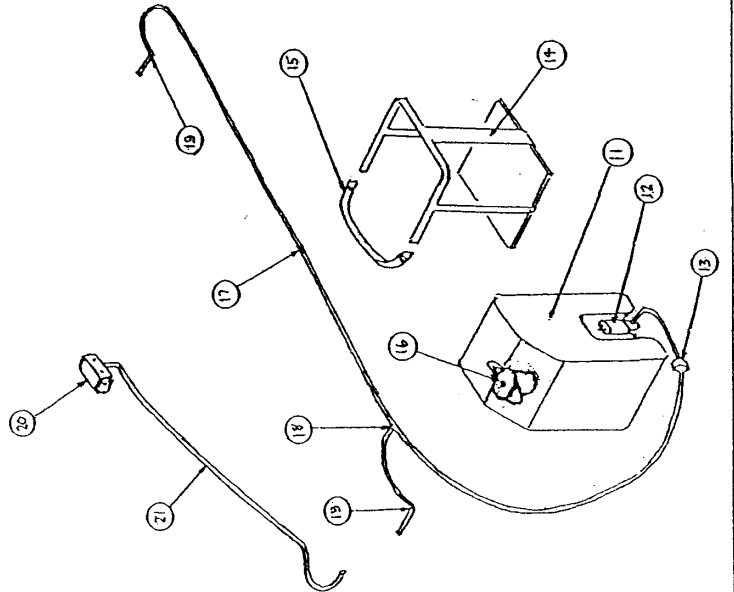
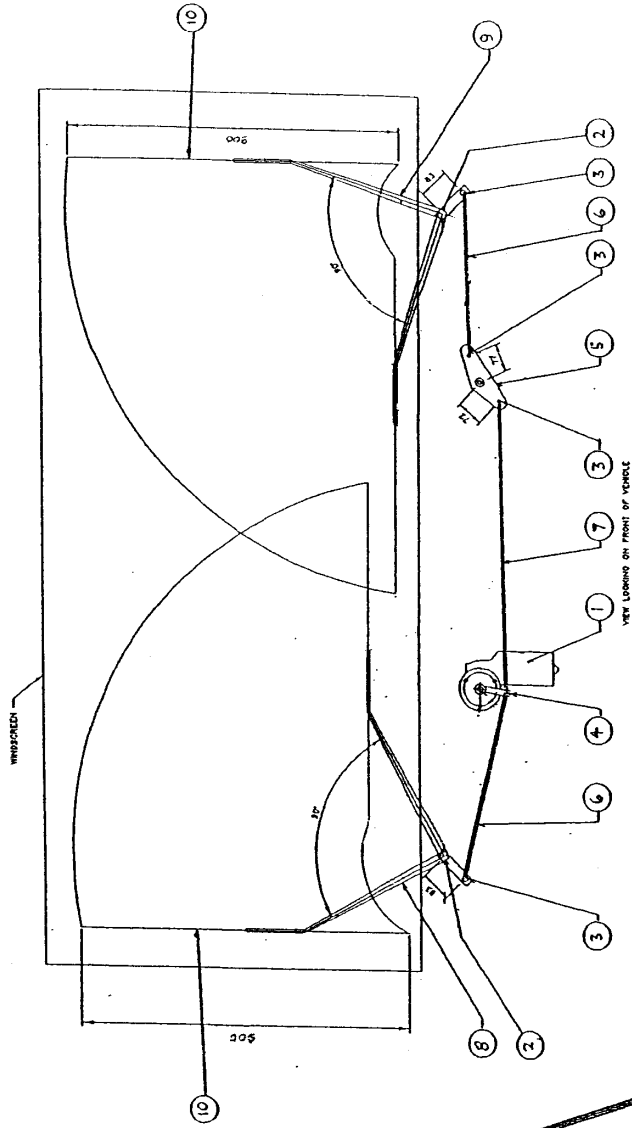


BROMS BRAKE CONTROL

6.WIPER SYSTEM

G6.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
1	83-19011	WIPER SYSTEM - 10741	
2	83-11180	WIPER MOTOR - 55Nm	1
3	83-11176	MAIN SPINDLE ARM ASSEMBLY	2
		SPHERICAL BEARING	4
		'C' Clip	4
		Nylon Washer	8
		Spring Washer	8
4		DOUBLE SPHERICAL BEARING	1
5		IDLER ASSEMBLY	1
6		CONTROL ROD	2
7		CONTROL ROD	1
8	83-19011-1	WIPER ARM RHS - Wrap Over - 584mm	1
9	83-19011-2	WIPER ARM LHS - Wrap Over - 584mm	1
10	83-19011-3	WIPER BLADE ASSEMBLY - 900mm	2
		WASHER SYSTEM	
	90-22956	RESERVOIR ASSEMBLY	1
11	83-11123	Reservoir 5lt /Pump Assembly	1
12	83-11121	Washer Pump	1
13		Non Return Valve	1
14		Mounting Bracket	1
15		Securing Strap	1
16	59-11144	Filler Cap	1
17	74-11183	PVC TUBE - Clear	as reqd
18	83-11167	STRAIGHT CONNECTOR - T391	2
19	83-11168	'T' CONNECTOR - T393	1
20	59-11117	PLASTIC ELBOW - 1.5" - 90%	1
21	59-11118	PLASTIC ELBOW - 1.5" - 45%	1
	59-11119	PLASTIC PIPE - 1.5"	0.2m
	59-11145	PIPE CLIP	1
22		SILICON HOSE - 1.5"	0.07m
23	59-11179	WASHER JET	1
24		NEOPRENE TUBE	as reqd
		Refer to Drawing 6A for General Arrangement	



7. DESTINATION EQUIPMENT		G7.1
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7. DESTINATION EQUIPMENT		G7.1
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ILLUS REF	PART NUMBER	DESCRIPTION	QTY
		LOCALLY FITTED EQUIPMENT	

G8.1

ILLUS REF	PART NUMBER	DESCRIPTION	QTY
		DOOR SYSTEM INFORMATION AND PARTS DETAILS TO BE OBTAINED FROM : PETERS DOOR SYSTEMS BRADBURY DRIVE SPRINGWOOD INDUSTRIAL ESTATE BRAINTREE ESSEX CM7 2ET UNITED KINGDOM Telephone : 00 44 1376 555277 Facsimilie : 00 44 1376 555292	
	33-19064-PD	ENTRANCE DOOR ASSEMBLY	1
	33-19065-PD	EXIT DOOR ASSEMBLY	1
	93-19541	DOOR BUTTON MOUNTING BOX - Incl Transparent Cover	2
	62-19007	VERTICAL DOOR SEAL - 2200mm	as reqd
	34-19788-BK1	ACTUATOR COVER - Black GRP - In Upper Saloon	2
	84-19020	PORTARAMP TRIO COMPACT WHEELCHAIR RAMP	1

9. EXTERIOR/INTERIOR PAINT FINISH	G9.1
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9. EXTERIOR/INTERIOR PAINT FINISH	G9.1
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ILLUS REF	PART NUMBER	DESCRIPTION	QTY
	56-11295 56-11261 56-11262 56-11280 56-11264 56-11279 56-11284 56-11278	SIKKENS AUTOCOAT BT LV 2 PACK ACRYLIC PAINT SYSTEM PLASTOFLEX PLASTIC PRIMER - Plastic Parts Only AUTOCOAT BT 521 - Washprimer 541 Hardener AUTOCOAT BT 121 - High Build Primer 142 Hardener 365 Thinners AUTOCOAT BT LV TOPCOAT - Green 741 Hardener 763 Thinners	as reqd as reqd as reqd as reqd as reqd as reqd as reqd as reqd as reqd
	56-11305	INTERIOR ROOF PANEL HMG SAH453 WATER BORNE SEMI GLOSS Pearl White RAL1013	as reqd
	56-11222 56-11201 57-11161	MEBON CHASSIS PRIMER 4128 GREY CHASSIS PRIMER AUSON NOXUDOL 910L CHASSIS WAX FINISH	as reqd as reqd as reqd

10. UPPER SALOON GUARDRAIL ARRANGEMENT		G10.1
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10. UPPER SALOON GUARDRAIL ARRANGEMENT		G10.1
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ILLUS REF	PART NUMBER	DESCRIPTION	QTY
1	74-11142	STAINLESS STEEL HANDRAIL TUBE - 35mm diameter polished	
2	90-20338	STANCHION BRACKET - LHS/RHS	10
3	23-15001	Flange Head Setscrew - M10 x 20	10
4	16-15015	Toggle - 10mm	10
5	21-11114	HANDRAIL CONNECTING SPLIT 'T' PIECE - LHS/RHS	10
6	88-11113	Socket Head Capscrew - M6 x 30 - Stainless Steel	20
7	21-19010	HANDRAIL END BRACKET - LHS/RHS	2
8	16-15013	Toggle - 8mm	4
9	88-15001	Torx Head Bolt - M8 x 20	4
10	90-22123	STANCHION BRACKET - Rear Assembly	3
11	90-22125	SIDE STANCHION BRACKET LH - 257mm long - Rear Assembly	1
12	90-22126	SIDE STANCHION BRACKET RH - 257mm long - Rear Assembly	1
13	21-15001	HANDRAIL 4 WAY CONNECTING BRACKET - Rear Assembly	8
14	21-11114	HANDRAIL CONNECTING SPLIT 'T' PIECE - Rear Assembly	5
		Refer to Drawing 10A for General Arrangement	

