SCOTTISH VINTAGE BUS MUSEUM -

ARCHIVES

# SCALE PLANS & DRAWINGS page 1

### Small coachwork plans

C1 Model VB4 / Star Flyer (goes with DRG 6472) C2 Burlingham 20 seater all weather coach on Bedford extended chassis - scale 1/16 Dr No 619 3/2/33 C3 14 seater coach body fitted to "Star" Flyer scale ½in to 1 foot No 932 C4 SMT 20 seater bus body on Star Flyer chassis – as for SF 4567 - scale 1in to 1 foot No 933 C5 SMT double entrance body on Lion 4 chassis - scale probably 1in to 1 foot No 972 + drawing 1/4 in to ! foot C6 Extended Chevrolet chassis - scale 1in to 1 foot No 992 C7 14 seater body fitted to Chevrolet extended chassis - scale 1in to 1 foot No 994 C8 18 seater all weather coach fitted to Bedford extended chassis - scale 1in to 1 foot C9 SMT "Proposed High Level Observation Bus" - scale <sup>3</sup>/<sub>4</sub> in to ! foot No 1040 C10 SMT 20 seater all weather coach fitted on Leyland Cub chassis - scale 1in to 1 foot No 1059 C11 12 luxury seats & large luggage space body fitted to Chevrolet extended chassis - scale 1in to 1 foot No 1065 C12 SMT 14 seater coach on extended Bedford chassis with luggage accommodation - as for FS 8604 scale <sup>3</sup>/<sub>4</sub>in to 1 foot No 1078A C13 SMT 12 seater coach body with luggage box fitted to Std Bedford chassis - as for FS 5593 scale <sup>3</sup>/<sub>4</sub>in to 1 foot No 1079 C14 20 seater Sun Saloon coach on Bedford extended chassis - scale probably <sup>3</sup>/<sub>4</sub> in to 1 foot No 1080 C15 Front entrance 20 seater coach on 4' 5" extended Bedford chassis - scale probably 34 in to 1 foot C16 SMT existing body re-designed on Daimler chassis - scale 1in to 1 foot C17 (untitled drawing) - probably Bedford chassis scale – probably <sup>3</sup>/<sub>4</sub>in to 1 foot C18 Burlingham 22 seater Lavatory coach on a Leyland TS7 chassis - scale 1/16 DRG No 1011 C19 Edinburgh T.D. drawing office - Guy Arab / Duple / H55R - scale ¾in to 1 foot DRG No E2277 28/4/53 C20 Alexander Y-type, or similar. Unofficial drawings. 2 sheets – including standard and 1<sup>1</sup>/<sub>2</sub> deck C21 seating plan for 14 seater coach scale <sup>3</sup>/<sub>4</sub>in to 1 foot C22 Plaxton Plaxton Envoy on different chassis 1982 CD87, 91, 98, 761 C23 Plaxton Paramount 3200 on 11m & 12m coaches Cd1100, 1119 1983 scale 1:25 C24 Yeates 37 & 41 seat on AEC Regal MK IV DRG1072. 2347 Plans P1 Copy of an early plan of RN Store Depot, Lathalmond - underground services scale 1in to 60 feet P2 Ordinance Survey Plan 36/2574 SE scale 1:1250 Edinburgh - St Andrews Square etc. P3 Edinburgh - plan of New Street Garage showing position of Fire Watcher's posts P4 Standard Rack for Accumulators - TG 678 18/10/48 E1 Edinburgh Corporation Tramways - Electric Tramcar scale  $\frac{3}{4}$  in to 1 foot No. E71 June 1921 " " " " " F2 " No. L1 Aug 1928 " " """ E3 Edinburgh Corporation Tram No. L4A 1929 (x2) .. .. .. .. E4 Liverpool Corporation Tram arrangement of tram 1933/34 " DRG 1/703/37, 1465, 1515, 1646

## Time / Route Scheduling

TR1	Edinburgh	weekday s	service	6, 70, 75	19/2/73
TR2	"	"	"	77	3/12/73
TR3	"	Saturday	"	1	16/12/72
TR4	"	"	"	32	(undated)
TR5	"	Sunday	"	32	6/10/74

Collection of "Trend"-type graphs of rail timings - Glasgow / Edinburgh / Central Scotland etc - October 1946

**Larger plans** (some are several sheets joined together) (dates given are on at least one sheet - other sheets may have earlier or later dates) S1 AEC Regal 662 Arrangement of chassis for bodybuilders & position of batteries DRG 2126 S2 AEC Regent Mark III Arrangement of chassis for coachbuilder SK10-1287 1947 1944 S3 AEC Regent A "Heavy Six" Plans for Alexander SK10-1049 S4 AEC Regal Drop frame for Alexander 1946 Installation of rear axle, etc. 1951 S5 AEC F 223B S6 AEC Modification to chassis bulkhead bracket & lubrication tank 1948 SK22-526 etc S7 AEC Arrangement of engine suspension / rear, rear axle, front axle 1948 Y236, F223 S8 AEC Regal Mk III Drivers cab structure & bonnet 1947 SK22-250, SK22-416 S9 AEC Front hub, hinged engine flap, tyre carrier 1950 L14935, SK22-538, SK22-559 S10 AEC Regal Mk IV battery box holder, bolting down brackets 1946 S11 AEC Battery boxes, Wilson gearbox DRG 1132A, E2703, DRG 1172, 1132 1946 S12 AEC Frame extension, cross shaft, wheels etc 1951 Y24215, Y24216, G1/0339, L11581, Y24213/4, K3/0119 S13 AEC Parts required to convert 0662/19 to 19' wheelbase 1951 F25339 etc, SK22-758, L12125 S14 AEC Air pressure system Chart 7 1948? (2 sets) S15 AEC Regal Mark III Coachbuilders arrangement 1947 SK10-1393 S16 AEC Reliance Arrangement of chassis for bodybuilder 1946 & 1953 SK10-1857, SK10-1287 S17 AEC Regal 662 converted to Mk III for Alexander Front dash, rear drop frame 1948 S18 AEC Regal 662 reconditioned for Alexander E2639A, DRG 1206 1946 S19 AEC Regal Mark IV Arrangement of chassis for coachbuilder 1950 SK10-1583/4 S20 AEC Installation & details of 120 AEC vertical engine 1944 A185 S21 AEC Regal Mk III Coachbuilder's arrangement 1946 SK10-1362, SK10-1326, SK10-1394, SK10-1288 S22 AEC 5-speed synchromesh gearbox 1953 D171, D27221, D14807 S23 AEC Modification required to prevent oil leakage from fluid flywheel (0961,0961/2, 0962, 0963) 1947 J29 S24 AEC Gearbox casing 19/6/53 D10169 S25 AEC Drilled Side Frames - miscellaneous 1948-1951 Y0195, Y12/20142-3 +others Regal Mk IV S26 AEC Regal Drop Frame Reconditioner 1946 DRG 1205 S27 LPTB Chiswick Works Dynamo cradle, bracket, shaft etc 1941 A209, 2117-902, 2117-905, 2117-907-9 S28 AEC Chassis details, battery box 1031, 1033 Bonnet, body brackets & bonnet fasteners S29 AEC 1948 2831, SK 35-27, Y3/28861-2 S30 AEC Connections for radiator top tank, radiator mounting, clearance diag for fuel tank, etc 1939-47 P2, DRG 1128, SK22-280 A70, Z2/31933, Z2/31925, A17183 S31 AEC Crankcage, crankshaft lock nut 1944 S32 AEC Connecting rods, cylinder block modification to cooling circuit 1947 SK50-1949, AI 2045, A218 S33 AEC Shaft & camshaft bearing oil retainer 1941 A197, A15318, A15322 1947-8 S34 AEC Epicyclic gearbox D35, SK35-6, D32 S35 Body plan "Park Royal and Alexander 44 seater front entrance integral bus on AEC Monocoach frame" 1949 & 1953 7603, U140404 S36 Body plan Alexander & Duple single deck body on AEC Reliance 1953 SK22-759, 9245/A S37 BEF s/d service body on Leyland TS7 1937 DRG 4320 S38 Star Flyer engine details No 963 S39 Details for Star Flyer chassis No 971 S40 Details for Chevrolet chassis (extended) No 993 S41 Edinburgh Corporation Double deck bus on CVD6 chassis 1951 scale 3/4in to 1 foot E2130 S42 Glasgow Corporation arrangement & glass for halfcab d/d 1958 scale 1/2in to 1 foot + DRG90-156, 90-157 glass for Atlantean not to scale S43 Glasgow Corporation 1966 DRG89-59 S44 ECW general arrangement for Fleetline & Olympian 1970 & 1983 scale 1/2in to 1 ft & 1:20 DRG5121, 5345/3, 5351/1 S45 Leyland Lion arrangement 1929 scale 1in to 1 foot 10501/A, 36228, 77946, 84805 S46 Leyland / ECW B45 body cross section 1980 scale 1:5 38679 S47 Foden 53 seater low height double deck 1946 DRG F.P.414 S48 Edinburgh Corporation Electric Car straight side (180) 1931 (retr 1969) scale 3/4in to 1 foot E490 S49 Edinburgh Corporation 36 seater s/d on Daimler COG5 chassis 1948 scale 3/4 in to 1 foot E1936

XX Bedford OB / Duple - on loan from E. George

# W. Alexander - building plans

mostly by Mather & Platt unless indicated otherwise

Phase d Moderni Alteratio	plan – Camelon evelopment at Lark sation at Larbert De ns to Larbert Depo development at Ba	t	Kelvin 7053/65 Graham & Sibbald Kelvin 267/1 Graham & Sibbald Graham & Sibbald	I GS1002/1A I GS2077/1	May 1965 Oct 1982 Nov 1983 2 copies Nov 1987 Oct 1982 4 copies
<b>(b)</b> Camelor "	n - Water supplies - Block plan		107947 107948	Sep 1935 Sep 1935 – re	vised Nov 1949 2 copies
"	- No 1 Installatio	n	107949	Sep 1935	
"	- "	- · -·	"	•	vised Nov 1955
"	- "	Ground Floor	107950	Sep 1935	
"	- "				vised Nov 1949
	-	Blocks 4 & 4A	107951	Sep 1935	
"	- "	Ground Floor	107952	Sep 1935	
"	- "	Blocks 7A, 8, 8A, 9, 9A	107953	Sep 1935	
"	- "	1 <sup>st</sup> Floor offices	107954	Sep 1935	
"	- "	"	"	Sep 1935 – re	vised Nov 1949
"	- "		"	Sep 1935 – re	vised Nov 1955
"	- "	Offices	107955	Sep 1935	
"	- No 2 Installatio	n Blocks 10 & 10A	107962	Sep 1935	
"	- "	"	"	Sep 1935 – re	vised 1955
"	- "	" 11 & 11A	107963	Sep 1935	
"	- Extension to No	o 1 Installation - Ground Floo		Jun 1938	
(c) Camelon - Extension to No 1 Installation – Protection Below Offices / Ground Floor Block 6 – Plan 1 Jun 1949					

"	- "	"	"	"	"	"	"	""""	"	" – Plan	2 Jun 1949
"	- "	"	"	"	- Ground	Floor Blo	ocks 5 & 6	24/4343	Nov	1949	
"	- "	"	"	"	- 1 <sup>st</sup> & 2 <sup>nd</sup>	<sup>i</sup> Floor B	lock 6	24/4344	Nov	1949	
"	- "	"	"	"	66 66	"	"	**	Nov	1949 – re	vised Nov 1955
"	- Alteratio	ns &	addit	tions to N	lo 1 Installatio	on – 1 <sup>st</sup> I	Floor Office	es & Erecting	Shop	27/762	Nov 1955
"	- Position	of hy	/dran	ts			G656	Jun 19	35		

# (d) - the following are not drawings but they are part of this collection Details & locations of the "Grinnell" Sprinkler :

No 1 Installation	Sep 1935
"	Sep 1935 – revised 1938 & 1949
"	Sep 1935 – revised 1938, 1949 & 1955
No 2 Installation	Sep 1935
"	Sep 1935 – revised 1955

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# <u>Walter Alexander (Coachbuilders)</u> - plans for vehicle parts (several sheets in each bundle)

# (a) Y-Type

AR 1 - Y30 AR 2 - AY / 5, 6, 8, 18, 24, 26, 27 AR 3 - 2 AYS / 30; AYS / 2 AR 4 - 95 AYS / 31; 114 AYS / 28; 134 / 2, 9, 24 AR 5 - 119 / 7, 16, 18, 19, 21, 22, 23, 25, 31, 32, 33, 34 AR 6 - 127 AYS / 20, 24; 128 AY / 17; 129 AY / 17, 20 AR 7 - 137 AY / 5, 6, 9, 20, 24, 26	1977-79			
(b) Ailsa				
AR 8 - AV / 1, 2, 5 AR 9 - AV / 6, 7, 9 AR 10 - AV / 10, 11, 13, 16, 17 AR 11 - AV / 25, 26 AR 12 - AV / 31, 32, 33, 34, 37	1973-79 1974-79 1974-79 1974-79 1974-79 1974-79			
(c) R-Type for Leyland Olympian				
AR 13 - RL 1 / 1, 2, 5, 6, 7, 9, 10 AR 14 - RL 1 / 15, 18, 21, 26, 30, 32, 34, 37 AR 15 - RL 7 / 5, 8, 9, 13, 20, 23, 26, 31, 33 AR 16 - RL 10 / 17,24	1980-81 1980-81 1982 1982			

# (d) Other

AR18 -	Double deck on Leyland	DRG 2L3	1971
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#### Plans (in drawer)

SD1 Bristol Lodekka (no date, no scale, no ref)						
SD2 Edinburgh Corporation Guy 63 seat / Alexander	1960 scale 1/2in to 1 foot H1158/10					
SD3 MCW 78 seat double deck (no date, no scale	e) design 24 LCPT ref M12/116					
SD4 Park Royal Front entrance Routemaster	1962 scale 1/2in to 1 ft 9344					
SD5 Park Royal AEC 73 seat double deck	8430					
SD6 Edinburgh Corporation Bedford OWB 19	945 scale 1/2in to 1 foot E1661 (2 copies)					
SD7 Daimler drag link / valve assembly 1	958 full size 142801					
SD8 Daimler fluid reservoir / flow control etc 1	958 full size 142803					
, , , , , , , , , , , , , , , , , , , ,	958 full size 142804					
SD10 Daimler installation details of group2pump 1	1958 full size 142807					
SD11 set of joints for D-type engines1959 soSD12 Limits in vehicle design of single & double deckersSD13 Dennis Lancet MK I / Park Royal1SD14 Albionrestoration plans1996 scaleSD15 Victoria (Australia)set of six plans for trams(aSD16 Tilling-Stevens- chassis plan- Petrol electric 4	967 scale 4mm to 1 foot 15A 1:20 AGA111 copies)					
SD17 Edinburgh Corporation PD2 (536) - photocopy						
SD18 Sheffield - Outline 109AR Tramway Motor 1	1947 scale ¼ B3022172					
SD19 Edinburgh Corporation double deck bus 1	1948 scale 1/2in to 1 foot E1850					
SD20 Edinburgh Corporation Leyland Leopard 101 1	962 scale 1/2in to 1 foot E2957					

#### **Other**

SMT - Certificate of Registration of Design "An Omnibus" - 616133 + drawing & letter (1913) Edinburgh Tram Network – Gogar Depot Layout Plan 2006 (3 plans) scale 1:500 ULE 90130-06-OLE-00001(to 3) Glasgow Corporation trams (small mixed pack of drawings - mostly unofficial)

Dodge & Renault Trucks - folder of Body Builders' Drawings (slightly damaged) Commer Commando Trucks - """""""(badly damaged) Leyland Trucks - pile of Coachbuilders' Drawings ""- pack of Coachbuilders' 7 Technical Data Sheets Leyland – Drawing 121 – six buses seating 20,10,12,24,16,12 respectively - Sep 1904 - (A3 photocopy) Drawings of Dutch buses c1931 – c1945 (+ railway carriages) (3 sheets) SBG Irregular Hexagonal Destination Screen

London Trolleybus Depot Plans - set of 7 copies (Acton, Bexley, Bexley extn, Carshalton, Hammersmith, Hanwell, Isleworth)