



NEW ZEALAND POST OFFICE

NZ 32100

GBW, GBU, GBX, RCCL AND DIAGRAM NOTES
MASTER LIST OF DRAWINGS FOR NZ 2000 TYPE
SWITCHING SYSTEM

ENGINEER-IN-CHIEF'S OFFICE
GENERAL POST OFFICE
WELLINGTON

NOTATION

'N' = NOT TO BE USED FOR NEW WORK
DEFINED AS LIMITED QUANTITIES CAN BE MADE UP
OR ORDERED TO EXTEND EXISTING INSTALLATIONS
E.G. COMPLETE EXISTING SHELVES OF RELAY SETS, ETC.

'S' = SUPERSEDED
DEFINED AS NO MORE TO BE ORDERED OR MADE UP.
EARLIER SUFFIX VERSIONS AUTOMATICALLY REGARDED
AS SUPERSEDED.

'O' = OBSOLETE
DEFINED AS CIRCUIT NO LONGER IN USE. THE DIAGRAM
KEPT FOR RECORD PURPOSES ONLY.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
10420	*	*	*	*			DSR Regular and Party Line. See GBW 20180.
10421	*	*	*	*	*		DSR Regular and Party Line. See GBW 20181.
10422	*	*	*	*	*		DSR Regular and Party Line. See GBW 20182.
10423	*	*	*	*	*		DSR Regular and Party Line. See GBW 20183.
10424	*	*	*	*	*		DSR Regular and Party Line. See GBW 20184.
10430	*	*	*	*	*		DSR Coin Box. See GBW 20190.
10431	*	*	*	*	*		DSR Coin Box. See GBW 20191
10432	*	*	*	*	*		DSR Coin Box. See GBW 20192.
10433	*	*	*	*	*		DSR Coin Box. See GBW 20193.
10434	*	*	*	*	*		DSR Coin Box. See GBW 20194.
10440			*	*	*	S	Test Desk Test Cord & Telephone Circuit with Ballast Resistor. See GBW 16260.
10450			*	*	*		Test Desk Cord Circuits.
10451			*	*	*		Test Desk Cord Circuits.
10452			*	*	*		Test Desk Cord Circuits.
10460	*	*	*	*	*		Test Selector.
10461	*	*	*	*	*		Test Selector.
10470		*	*	*	*		Switching for transfer of control of Test Selector., T/D or T/R
10480		*	*	*	*		Test Rack Lines to Test Selector.
10481		*	*	*	*		Test Rack Lines to Test Selector.
10490	*	*	*	*	*		Faultman's Lines.
10500				*	*		T/D or T/R Jacks for V/Meter Constant Exch. Batt., & Apparatus Test.
10510		*	*	*	*		T/D or T/R Ringdown Junction.
10520		*	*	*	*		T/D or T/R Service Telephone Interception.
10530			*	*	*		T/D or T/R Switching Key for NU Tone.
10540	*		*	*	*		T/D or T/R Test and Plugging-Up Lines.
10541	*	*	*	*	*		T/D or T/R Test and Plugging-Up Lines.
10550	*	*	*	*	*	O	Hospital Circuit for Rural auto Lines. Hamilton Exchange Only.
10560	*	*	*	*	*	S	Fault Service Lines, Terminating on Test or Faults Service Desk or Equiv. with or without Night Switching to SCS Auto-Man Board.
10570		*	*	*	*		Alarm Extension Originating Exchanges.
10580		*	*	*	*		Alarm Extension Originating Exchanges.
10590			*	*	*		Test Rack Test Jack.
10591			*	*	*		Test Rack Test Jack Speak Jack Connecting & Telephone Circuit.
10600				*	*		Common Services Rack Wiring Test Racks.
10610		*	*	*	*		Transmission Testing of Sub's Apparatus.
10620		*	*	*	*		Test Desk Speaker Circuit to Remote Exchanges.
10630		*		*	*		Spare Level Circuit with Balanced Tones.
10640			*	*	*		Rack Common Services Relay Set Racks.
10650			*	*	*		Rack Common Services Discriminating Selectors.
10660				*	*	N	Rack Common Services Uniselector & L-K Relays.
10670			*	*	*		Rack Common Services Group Selectors.
10680			*	*	*		Rack Common Services Final Selectors Ord, 2-10 PBX & Rural.
10690			*	*	*		Rack Common Services Misc Apparatus Racks.
10700		*	*	*	*		T/D or T/R Lines I/C from Final Selector Banks.
10710	*	*		*	*	S	Two-party line Meter Discrimination Circuit. See GBW 12080.
10720	*	*	*	*	*	S	Changed number calling equipment. See GBW 12100.
10730	*	*	*	*	*	S	Revertive Ringing Relay Set. See GBW 13830.
10740			*	*	*		Test Circuit for Impulse Weight Speed and Count.
10750		*	*	*	*		Subscribers Line Circuit.
10751		*	*	*	*		Subscribers Line Circuit.
10752		*	*	*	*	N	Subscribers Line Circuit. See GBW 14790.
10760	*	*	*	*	*		Group Selector.
10761	*	*	*	*	*		Group Selector.
10762	*	*	*	*	*		Group Selector.
10770	*	*	*	*	*		Final Selector Ord.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
10771	*	*	*	*	*		Final Selector Ord.
10772	*	*	*	*	*		Final Selector Ord.
10780	*	*	*	*	*		Final Selector with Toll Facilities Regular.
10781	*	*	*	*	*		Final Selector with Toll Facilities Regular.
10782	*	*	*	*	*		Final Selector with Toll Facilities Regular.
10790	*	*	*	*	*		Final Selector 2-10 PBX.
10791	*	*	*	*	*		Final Selector 2-10 PBX.
10792	*	*	*	*	*		Final Selector 2-10 PBX.
10800	*	*	*	*	*		Final Selector 2-10 PBX with Toll Facilities.
10801	*	*	*	*	*		Final Selector 2-10 PBX with Toll Facilities.
10802	*	*	*	*	*		Final Selector 2-10 PBX with Toll Facilities.
10810			*	*	*	N	Uniselector O/F and Alarm Circuit MAR.
10811			*	*	*	N	Uniselector O/F and Alarm Circuit MAR.
10820	*		*	*	*		Graduated Howler.
10821	*		*	*	*		Graduated Howler.
10822	*		*	*	*		Graduated Howler.
10830		*	*	*	*		NU Tone Unallotted and ceased lines and Levels.
10840		*	*	*	*		Special Faults Circuit.
10850		*	*	*	*	O	Meter Reading Circuit.
10851		*	*	*	*	O	Meter Reading Circuit.
10860				*	*		Meter Rack Common Services.
10870				*	*	N	Miscellaneous Circuits on MDF Floor Type. See GBW 15970.
10880			*	*	*		PG Overload Alarm Circuit.
10881			*	*	*		PG Overload Alarm Circuit.
10890	*			*	*		Test or Trunk Offering Final Selectors.
10900			*	*	*		Ringling Tones and Meter Pulse With Automatic Change-over Cct 37.5 and 75W. See GBW 15241.
10901			*	*	*		Ringling Tones and Meter Pulse With Automatic Change-over Cct 37.5 and 75W. See GBW 15241.
10910			*	*	*		S and 1 Unit Pulse (F/S) & Meter Pulse Distribution AER. See GBW 15250.
10920		*	*	*	*		6 Sec. or 30 Sec. Earth Pulse Distribution AER.
10921		*	*	*	*		6 Sec. or 30 Sec. Earth Pulse Distribution AER.
10930		*	*	*	*		Flicker Earth and Int. Earth Distribution AER.
10940		*	*	*	*		Test Circuit for Pulse Distribution AER.
10950		*	*	*	*		T/D or T/R Test Interception Circuit.
10960			*	*	*	S	Test Racks Howler Access Equipment.
10970			*	*	*	S	Ringling and Tones Distribution AER. See GBW 15250.
10980			*	*	*		Audible and Visible Alarm Scheme.
10981			*	*	*		Audible and Visible alarm Scheme.
10990			*	*	*	N	Fuse Alarm arrangements. Superseded by GBW 16150
11000		*	*	*	*	N	Positive Battery Distribution & Alarm & Arrangements. See GBW 15340.
11010			*	*	*		Test Rack Night Alarm Circuit.
11020		*	*	*	*		Group Selector Routiner Switching Relay Circuit.
11021		*	*	*	*		Group Selector Routiner Switching Relay Circuit.
11030		*	*	*	*		Automatic Traffic Recorder.
11040				*	*		Rack Common Services Traffic Recorder Access and Control Equipment.
11050			*	*	*		Traffic Meter Circuits.
11060			*	*	*		Miscellaneous Circuits AER.
11070		*		*	*		Junction Test Jacks and Miscellaneous Circuits on TJF.
11080			*	*	*	S	Exchange Clocks. See GBW 16270.
11081			*	*	*	S	Exchange Clocks. See GBW 16270.
11090	*		*	*	*	S	Impulse Machine with Start and Alarm Circuit.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
11100		*	*		*	O	Main Control Panel Parallel Battery Float.
11101			*	*	*	O	Main Control Panel Parallel Battery Float.
11110	*	*	*	*	*	S	Auto-to-Auto Relay Set. See GBW 12130.
11111			*	*	*	S	Auto-to-Auto Relay Set Forward Holding.
11120	*	*	*	*	*		Junction Relay Set O/G to Toll Board.
11130			*	*	*		Routiner Access Selector for DSR.
11131			*	*	*		Routiner Access Selector for DSR.
11140			*	*	*		Routiner Test Unit for DSR.
11141	*		*	*	*		Routiner Test Unit for DSR.
11150	*	*	*	*	*		Interworking Relay Set Type SR4 SxS to Rotary 4 digit Selection.
11151	*	*	*	*	*		Interworking Relay Set Type SR4 SxS to Rotary 4 digit Selection.
11160	*	*	*	*	*		Interworking Register Type SR4 SxS to Rotary 4 digit Selection.
11170	*	*	*	*	*		Interworking Relay Set Type SR3 SxS to Rotary 3 digit Selection.
11171	*	*	*	*	*		Interworking Relay Set Type SR3 SxS to Rotary 3 digit Selection.
11180	*	*	*	*	*		Interworking Register Type SR3 SxS to Rotary 3 digit Selection.
11190				*	*		Test Rack Testing Circuits to Test Jack Field.
11191					*		Test Rack Testing Circuits to Test Jack Field.
11200		*			*		Misc. Jack Ccts and Misc. Ccts between Frames.
11210		*			*		Test Break Jacks.
11220	*		*	*	*		Routiner for Group Selectors without Busy Flash.
11221	*		*	*	*		Routiner for Group Selectors without Busy Flash.
11222	*		*	*	*		Routiner for Group Selectors without Busy Flash.
11223						S	Routiner for Group Selectors without Busy Flash. See GBW 16790.
11230	*		*	*	*	S	Routiner Access Control for Access Selrs. See GBW 16320, 16331
11240	*		*	*	*	S	Routiner Access Selector for Group Selectors I/C and M/B G/S.
11241	*	*	*	*	*	S	Routiner Access Selector for Group Selectors. See GBW 14420.
11250	*		*	*	*	S	Routiner Access Selector for Group Selectors. See GBW 11241.
11260	*		*	*	*	S	Routiner for Final Selectors Ord, 2-10 PBX With or Without Toll Facilities.
11261	*		*	*	*		Routiner for Final Selectors Ord, 2-10 PBX With or Without Toll Facilities.
11270	*		*	*	*	N	Routiner for Final Selectors. Access Selector.
11271	*		*	*	*	N	Routiner for Final Selectors. Access Selector.
11280			*	*	*		Test Box and Routine Test Circuit for Subs Meters.
11290	*		*	*	*		Alarm Delay Relay Set and Rack Distribution.
11291	*		*	*	*	N	Alarm Delay Relay Set using Transistor Long Period Delay Times.
11300				*	*		Auto and Trunk Exchange Battery Jacks.
11310			*	*	*		Group Selectors Maintenance Tester.
11320	*		*	*	*		Control Circuit for Impulse M.C. No. 1B RSM Interworking Relay Set.
11330	*		*	*	*		Interworking Relay Set type RS4 for 7A Rotary to SxS.
11340	*		*	*	*		Interworking Register type RS4 for 7A Rotary to SxS.
11350			*	*	*	N	Type RS4 Equipment Interworking Register Stepping Test Circuit.
11360	*	*	*	*	*	N	Level '0' Junction Relay Set WE BCS. See GBW 15140.
11370	*	*	*	*	*	N	Selector Level Relay Set for Dir Serv. WE Type Toll Board. See GBW 12490.
11380	*	*	*	*	*	N	Toll to Auto Relay Set. See GBW 11950.
11390	*		*	*	*	S	Changed Number Manual Board Relay Set. See GBW 13080.
11400		*		*	*	S	Special Faults Telephone. See GBW 10840.
11410				*	*	N	Tester for Heat Coils and Line Fuses. See GBW 16080.
11420		*		*	*		Test Desk Answering Jack Equipment.
11430		*	*	*	*		Test Desk Lines to Test Selector.
11431		*	*	*	*		Test Desk Lines to Test Selector.
11432		*	*	*	*		Test Desk Lines to Test Selector.
11440			*	*	*		Test Desk Pilot and Night Alarm Circuit.
11441			*	*	*		Test Desk Pilot and Night Alarm Circuit.
11450			*	*	*		Rack Common Services Wiring Interworking RSR & Register Rack 7A Rotary to SxS.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
11460			*		*		Rack Common Services Interworking RSR & Register Rack SxS to 7A Rotary.
11470		*	*		*		Test Desk Testing Circuit to TJF.
11471			*		*		Test Desk Testing Circuit to TJF.
11480					*		Test Desk. Common Services and Connections of Commons.
11490	*		*	*			Routiner Access Control for Access Selectors (Uniselectors).
11500			*	*	*		Interworking Register Type SR3 Test Circuit.
11510			*		*	S	Dialling Equipment and Test Telephone for testing junctions to Auto via TJF. See GBW 15740.
11520	*		*	*	*		Impulse M/C for Type RS4 Interworking Register Control Circuit.
11530			*		*	N	Rack Common Services Wiring Auto Routiner Access Selr Rack.
11540	*		*	*		O	Routiner Test Unit for Auto-to-Auto relay Sets.
11541	*		*	*	*	S	Routiner Test Unit for Auto-to-Auto relay Sets. See GBW 12520.
11550				*	*	N	Routiner Access Uniselector for Auto-to-Auto Relay Set.
11551				*	*	N	Routiner Access Uniselector for Auto-to-Auto Relay Set.
11552			*		*	N	Routiner Access Uniselector for Auto-to-Auto Relay Set.
11560			*		*		Common Services Rack Wiring Auto Routers.
11570		*	*	*	*		Test Desk Speaker Circuit to local MDF.
11571		*	*		*		Test Desk Speaker Circuit to local MDF.
11580			*	*	*		Final Selector Test Set for Reg, 2-10 PBX and Toll.
11590			*	*	*		Tester for Rural Final Selectors Ord & Toll.
11600	*	*	*	*	*		Interworking Register Type SR4 SxS to Rotary 4 digit Selection.
11610				*	*	O	Transmission Test Panel.
11620	*	*	*	*	*		NZAC Signalling System Selector.
11621	*	*	*	*	*		NZAC Signalling System Selector.
11630	*	*	*	*	*		Trunk Tandem Selector 150 Outlet (4-wire) M/U Type.
11640			*		*		Rack Common Services for Trunk Tandem selectors M/U type 150 O/L.
11660			*	*	*	S	23/25 Cells Auto Power Panel Control Panel for over 400 Amps. See GBW 15710.
11670	*	*	*	*	*		I/C Line Cct NZSS AC2 Type. See GBW 16460.
11671	*	*	*		*	N	I/C Line Cct NZSS AC2 Type. See GBW 16460.
11680	*	*	*	*	*	N	O/G 1VF Line Cct for Bothway Working. See GBW 16470.
11690	*		*	*	*	S	2280 C.P.S. Oscillator for 1VF System. See GBW 16480.
11700		*	*	*	*		Sleeve Control System Tone Demonstration Jack.
11710			*	*	*	O	TJF Night Alarm Circuit.
11720				*	*	O	Transmission Test Panel Auxiliary Equip for Testing Noise Generator.
11730		*	*	*	*	O	Lines to T/D or T/R for Transmission Testing of Operators Inst.
11740	*		*	*	*	S	A/A Relay Set for Use on Toll Selector Levels. See GBW 12550.
11750	*	*	*	*	*		Toll-to-Auto Relay Set for Sleeve Control WE Type Toll Board.
11760	*	*	*	*	*		Group Selector. For Racks with Grading Facilities.
11761	*		*		*		Group Selector. For Racks with Grading Facilities.
11770			*		*		Rack Common Services Wiring for Group Selectors with Grading Facilities.
11780		*	*		*		Test Desk Speaker Circuit to Local MDF for exchanges having 3 to 29 Test Positions.
11790	*	*	*	*	*		100 Line Rural Final Selector Ordinary.
11800	*	*	*	*	*		100 Line Rural Final Selector Ordinary & Toll.
11810	*		*	*	*	N	Interworking Relay Set Type Rotary to SxS. See GBW 15690.
11820		*	*		*	S	T/D or T/R I/C Line from Manual Board Sleeve Control System. See GBW 12950.
11830		*	*	*	*		I/C line from Toll Board to Test Desk.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
11840		*	*	*	*	O	O/G Circuit to Semi-Auto Rural Line Toll Switchboard.
11850	*	*	*	*	*		Rural Party Line Repeater Simplex to Loop Dialling.
11851	*		*	*	*		Rural Party Line Repeater Simplex to Loop Dialling.
11860	*	*	*	*	*		Selector Level Relay Set for WE type Toll Board. See GBW 12240.
11870	*	*	*	*	*	S	Special Services Relay Set Positive Battery Metering. See GBW 16810.
11880		*			*	S	Auto & Trunk Exchange Test Extension Circuit & Order Wire.
11890	*		*	*	*	S	Complaints Lines Terminating on Test or Complaints Desk.
11900			*	*	*		Interworking Register Type SR4 Test Circuit 7A Hunting Control Only.
11910			*	*	*		Interworking Register Type SR4 Test Circuit 7A and 7A2 Hunting Control Only.
11920		*	*	*	*	O	Hospital Circuit for Semi-Auto Rural Lines.
11930	*		*	*	*		Pulse Generator Relay Set for Code Ringing.
11940					*		Miscellaneous Circuits on IDF
11950	*	*	*	*	*		Toll-to-Auto Relay Set for WE Type Toll Board.
11951	*	*	*	*	*		Toll-to-Auto Relay Set for WE Type Toll Board.
11960					*		Sub-Section Alarm Lamps Cut-off key and Classification Block.
11970	*	*	*	*	*		B/W Line Test Desk to Distant Manual Board (SCS).
11980			*	*	*		6 Volt AC. Supply and Alarm Systems for FLS Equipment on SCS.
11990		*	*	*	*		Multiple Jacks with FLS Lamps 6 Volt AC. Supply.
12000			*		*		Rack Common Services 6 Volt AC. FLS Lamp Relay Rack.
12010	*	*	*		*		Level '0' Junction Relay Set to Manual Board (SCS).
12020	*	*	*		*	S	Selector Level Relay Set I/C to Rural Position (SCS). See GBW 14980.
12030	*	*	*		*	N	Directory Service Relay Set (SCS. Manual Board). See GBW 14980.
12040	*	*	*	*	*	N	Toll Prices Relay Set. See GBW 16650.
12060	*	*	*	*	*	S	Changed Number Terminating Relay Set for Hamilton TMX.
12070		*	*	*	*	N	Subs. Line Circuit Shared Service. Separate Metering. See GBW 14800.
12080		*	*	*	*		Meter Discrimination Circuit for 2 Party Line.
12081			*		*		Meter Discrimination Circuit for 2 Party Line.
12090	*		*	*	*		Test Intermediate Selector.
12100	*	*	*	*	*		Changed Number Calling Equipment.
12110			*		*		Rack Common Services NZSS AC2, AC2T, AC3 & AC3T.
12120	*	*	*		*	S	Auto-Auto Relay Set with Revertive Ringing. See GBW 14530.
12130	*	*	*	*	*	S	Auto-Auto Relay Set with Forward Holding. See GBW 16200.
12140	*	*	*		*	S	Changed Number Manual Board Relay Set. See GBW 13080.
12150			*		*		Fuse Panel Rack Common Services & Positive Battery Distribution.
12180	*	*	*		*	N	Selector Level Relay Set Local & I/C Levels in Main Exchanges (SCS). See GBW 14980.
12190			*		*		Test Desk Ring Down Junction (Key Ended) : New Plymouth.
12200					*	O	Telephone BPO Type 332 Modified for 2-party line working with or without Metering.
12210			*		*		Divided Battery Float Battery Control Panel.
12220					*		Test Desk Lines to Test Final Selectors (Rotary).
12230			*	*	*	S	Test Circuit for 1VF Receivers and Oscillators. See GBW 16570.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
12240	*	*	*		*		Selector Level Relay Set Local Manual Hold to WE Toll Board.
12250	*	*	*	*	*		Junction Relay Set I/C Toll Demand from AMX to WE Toll Board.
12260	*	*	*	*	*		O/G Junction Relay Set WE Toll Board to AMX. See GBW 15270.
12270	*	*	*	*	*		Interworking Register Type SR3.
12280	*	*	*	*	*		Bothway Junction Relay Set AMX to Toll Demand.
12290	*		*	*	*	S	Multi-Fee Relay Set AMX. See GBW 13500.
12300			*	*	*		Audible and Visible Alarm Scheme AMX.
12301			*	*	*		Audible and Visible Alarm Scheme AMX.
12310			*	*	*	S	Fuse Alarm Arrangements AMX Exchange. See GBW 16150.
12320			*	*	*	S	Ringling Tones and Meter Pulse Circuit with Automatic Changeover 15 Watts. See GBW 15241.
12330	*	*	*	*	*		B/W toll Line Circuit NZSS AC1.
12340	*		*	*	*		2VF Signalling Receiver.
12350	*		*	*	*		Fixed Frequency Oscillator.
12360	*		*	*	*		Pulse Generator for 2VF Signal Control.
12370			*	*	*		NZSS AC1 Receiver and Oscillator Test Circuit.
12380			*	*	*		Rack Common Services 2VF Toll Line Circuit Racks.
12400		*	*	*	*	O	Manual Board O/G Circuit for B/W 2VF Toll line.
12410			*	*	*		Test Panel for 2VF Receivers and Oscillators.
12420			*	*	*	O	Rack Common Services 2VF Equipment in Siemens No. 16 Exchange.
12430				*	*		Rack Common Services Receiver and Oscillator Test Rack.
12440				*	*		Oscillator for 2VF Test Rack.
12450	*		*	*	*		Repeat Metering Equipment.
12451				*	*		Repeat Metering Equipment.
12460	*	*	*	*	*	S	Outgoing Junction Relay Set AMX (Not to be used for New Work).
12470			*	*	*	S	Maintenance Test Set for O/G Junction Relay Set AMX.
12480		*	*	*	*		"P" wire control for CCB Lines.
12490	*	*	*	*	*		Selector Level Relay Set Directory Service Desk and WE Toll Board.
12500			*	*	*	O	Test Box and Routine Test Circuit for Subs Meters Booster Battery.
12510		*	*	*	*		Fault Service Turret Circuit.
12511		*	*	*	*		Fault Service Turret Circuit.
12520	*		*	*	*		Routiner Test Unit for Auto-Auto Relay Sets.
12530				*	*		Routiner Access Selector Uniselector for Auto-Auto Relay Sets.
12531			*	*	*		Routiner Access Selector Uniselector for Auto-Auto Relay Sets.
12540				*	*		LB Rural Automatic Telephone using Simplex Dialling.
12550	*	*	*	*	*	S	Auto-Auto Relay Set for use on Toll Selector Levels. See GBW 16440.
12560		*	*	*	*		Multiple Answering Lamp Relay Circuit for Test Desk.
12570	*	*	*	*	*		Selector Level Relay Set for SCS Manual Board.
12571	*	*	*	*	*		Selector Level Relay Set for SCS Manual Board.
12580			*	*	*	S	Positive Potential Generator.
12590			*	*	*	O	Manual Board Adapter Circuit for B/W 2VF Toll Line.
12600			*	*	*	S	Test Circuit for 1VF line Circuits. See GBW 16720.
12610			*	*	*		Tester for Auto-Auto Relay Set with Revertive Ringing.
12620	*	*	*	*	*		B/W Junction Differential Signalling.
12630		*	*	*	*		B/W Junction Differential Signalling Termination at Magneto Exchange.
12650			*	*	*		6.3V AC Heater Supply with AC/DC Changeover Facility 1VF System.
12651			*	*	*		6.3V AC Heater Supply with AC/DC Changeover Facility 1VF System.
12660	*	*	*	*	*		O/G Line Circuit NZSS AC2 System. See GBW 16550.
12661	*	*	*	*	*	N	O/G Line Circuit NZSS AC2 System. See GBW 16550.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
12670		*	*	*	*		Adaptor Circuit for 2VF B/W Toll Line Circuit for WE SCS Manual Bd.
12680	*	*	*	*	*		I/C Junction Circuit from Dependant UAX N.Z 13 to AMX's.
12690	*	*	*	*	*		Hospital Circuit for Rural Auto Lines for Use at Exch's with Manual Bd.
12700			*	*	*	S	SCS Switchboard Night Alarm. See GBW 16140.
12710		*	*	*	*		Concentration and Busying Circuit.
12720			*	*	*	S	Chargeable Time Clock Circuit with Universal Timing Key for SCS Manual Board. See GBW 16130.
12730			*	*	*	S	SCS Cord and Ring Key Tester. See GBW 14460.
12740		*		*	*	O	3 Minute Tone Signal Demonstration Jacks.
12750		*	*	*	*		SCS Busy Back Circuit.
12760				*	*		SCS Hold Jack.
12770		*	*	*	*		SCS Switchboard Supervisors.
12780		*	*	*	*		Jack Circuits.
12790		*	*	*	*		Multiple Answering Jacks.
12800		*	*	*	*	S	SCS Single Answering Jack for Delay Posn. Transfer Circuit
12810		*	*	*	*		Position Circuit with Ringing Keys and Arranged for Pad Switching conditions SCS.
12811			*	*	*	S	Position Circuit with Ringing Keys and Arranged for Pad Switching conditions SCS.
12820			*	*	*	S	Sleeve Control System Instruction Circuit.
12830				*	*		Sleeve Control System Call Supervisor Circuit.
12840			*	*	*		Sleeve Control System Cord Circuit without Ringing Keys.
12850	*	*	*	*	*		'0' Level Relay Set Accessible from 1VF or 2VF Ccts (SCS Manual Bd).
12860				*	*		Sleeve Control System Plugging Up Cord.
12870		*	*	*	*		AC/DC 6V Supply for Mult Answering & VES Equipment on SCS.
12880		*	*	*	*		B/W Lines Supervisors Desk to Other Desks.
12890		*	*	*	*	S	Supervisors I/C Line from Switchboard with Pad Control for SCS.
12900		*	*	*	*		Order Wire Position Selecting Circuit, 39 Positions Max for SCS.
12910			*	*	*		Listening in Lines Supervisors Desk.
12911				*	*	S	Listening in Lines Supervisors Desk.
12920				*	*	S	Call Count Clock.
12930	*	*	*	*	*		Aural Route Delay Circuit.
12940		*	*	*	*		Directory Service Position Circuit & I/C, O/G or B/W Lines.
12950		*	*	*	*		SCS O/G Service Lines Manual Board to Test desk or Test Rack.
12960		*	*	*	*	S	Supervisors Desk B/W & O/G Lines to Auto and Instruction Circuit. See GBW 16360.
12970		*		*	*		Emergency Technicians Telephone Interception.
12980			*	*	*	S	CTC Pulse and Tone Distribution & 900 Alarm Cct. See GBW 16130.
12990			*	*	*	S	Three Minute Tone Control Routine Test Circuit.
13000		*	*	*	*		SCS Routine Test Equipment for Multiple Answer Lamps.
13010	*	*		*	*		Circuit Occupation Meters.
13020	*	*	*	*	*		SCS Bothway Trunk Generator Signalling.
13030	*	*	*	*	*		SCS Bothway Trunk Generator Signalling and DC Dialling.
13040	*	*	*	*	*		SCS Bothway Trunk Differential Signalling.
13050	*	*	*	*	*		SCS Trunk Subscriber Central Battery.
13060	*	*	*	*	*		SCS Trunk Subscriber B/W Magneto.
13070	*	*	*	*	*		SCS O/G Relay Set to Auto Exchange Loop Dialling.
13071	*	*	*	*	*		SCS O/G Relay Set to Auto Exchange Loop Dialling.
13080	*	*	*	*	*		SCS Changed Number Circuit.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
13090			*	*		S	23/25 Cells Automatic Power Plant Control Panel (Over 75 Amp). See GBW 15710.
13091			*	*		S	23/25 Cells Automatic Power Plant Control Panel (Over 75 Amp). See GBW 15710.
13092			*			O	23/25 Cells Automatic Power Plant Control Panel (Over 75 Amp). See GBW 15710.
13100			*			S	Ringling Tones and Meter Pulse Circuit 37.5, 75 and 150 watts. See GBW 15241.
13101			*			S	Ringling Tones and Meter Pulse Circuit 37.5, 75 and 150 watts. See GBW 15241.
13110	*	*	*	*	*		SCS Delay Transfer Circuit.
13120	*	*	*	*	*		SCS Recording Transfer Circuit.
13130	*	*	*	*	*		SCS I/C Relay Set for Toll Demand from AMX's.
13140	*	*	*	*	*		SCS O/G Junction Relay Set Toll to AMX.
13150				*	*		Trunking Diagram 20 Line PABX.
13160	*		*	*	*	N	20 Line PABX. Connecting Circuit. See GBW 14650.
13170	*		*	*	*	N	20 Line PABX. Enquiry Circuit. See GBW 14670.
13180				*	*		Trunking Diagram 35/49 Line PABX.
13190	*		*	*	*	N	35/49 Line PABX. Connecting Circuit. See GBW 14660.
13200	*		*	*	*	N	35/49 Line PABX. Enquiry Circuit. See GBW 14680.
13210			*	*	*		Extension Line Circuits 20 & 35/49 Line PABX.'s.
13220	*		*	*	*	N	PABX. Exchange Line Circuit Cordless Switchboard.
13230	*		*	*	*		20, 35 & 49 Line PABX. Marker Circuit.
13240			*	*	*		Attendant's Circuit 20, 35 & 49 Line PABX.'s.
13241			*	*	*		Attendant's Circuit 20, 35 & 49 Line PABX.'s.
13242			*	*	*		Attendant's Circuit 20, 35 & 49 Line PABX.'s.
13250	*		*	*	*	N	20, 35 & 49 Line PABX.'s Ringing and Tones Circuit. See GBW 14700.
13260	*		*	*	*	N	20, 35 & 49 Line PABX.'s Pulse Circuit. See GBW 14710.
13270			*	*	*	S	Attendant's Line, Night Service, Start Alarms & Misc Circuit 20, 35 & 49 Line PABX.'s. See GBW 14720.
13280				*	*		Rack Common Services 20 Line PABX.
13290				*	*		Routine Test Set 20 & 35/49 Line PABX.
13300				*	*		Rack Common Services 35/49 Line PABX.
13330				*	*		Routine Test Jacks for CTC Supy. Relays.
13350		*	*	*	*		B/W Line to Test Rack, Supervisors Turret.
13360		*	*	*	*		B/W Circuit between Supervisor's & Postmaster's Turrets.
13370		*	*	*	*		Multiple Jacks with VES. Lamps 6V AC Supply.
13380				*	*		Rack Common Services Answering Lamp Relay Rack with VES.
13390	*	*	*	*	*		B/W Exchange Line Circuit Supervisors or Postmasters Turret.
13400	*	*	*	*	*		B/W Circuit to Trunk Switchboard Supervisor/s or Postmaster's Turret.
13410		*	*	*	*		Listening in Lines to Switchboard Positions Supervisor's or Postmaster's Turret.
13420		*			*		Night Alarm & Night Switching Circuit Supervisor's or Postmaster's Turret.
13430			*	*	*		Pneumatic Tube Alarm and Misc. Circuits.
13440		*	*	*	*	S	Exchange Clocks. See GBW 16270.
13450				*	*		Connections to Turret Telephone & Associated Key for Supervisor's or Postmaster's Turret.
13460			*	*	*	S	Distribution of Flicker Earth Trunk and Auto-Manual Exchanges. See GBW 16130.
13470				*	*	S	Time Announcing Signal Distribution of Tone Supply to Positions.
13480	*		*	*	*	O	900 C.P.S. Oscillator with Alarm Relays.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
13490		*	*		*		Bothway Junction Adaptor Circuit with RT Facilities.
13500	*		*	*	*	S	Multi-Fee Relay Set. See GBW 14770.
13510	*		*	*	*	O	Multi-Fee Relay Set with or without Finder Full Satellite Exchanges.
13520	*		*	*	*	O	Metering Control Circuit Full Satellite Exchanges.
13530	*	*	*	*	*	S	Might Switching Alarm Extension AMX to TMX.
13540	*	*	*	*	*	S	Adaptor Circuit for Nightswitching of '0' Level Calls from AMX SCS Manual Board to Main.
13550	*	*	*	*	*		'0' Level Relay Set. See GBW 12570.
13560	*	*	*	*	*		Junction Relay Set B/W to RAX from SCS Manual Board.
13570			*			O	Test Desk Pilot Relay for Earth Connected Lamps.
13580	*	*	*	*	*		O/G Junction Relay Set with B/W Switching to UAX NZ 13 Parent for WE BCS Manual Board.
13590		*	*	*	*		Call Trap Circuit for I/C Selectors Associated with VF Toll Line Circuit.
13600		*	*	*	*		Adaptor Circuit for B/W 2VF Toll Line Circuit to WE BCS Sw Bd.
13610	*	*	*	*	*		Hospital Circuit for Rural Auto Lines for WE BCS Manual Board.
13620	*	*	*	*	*		O/G Junction Relay Set with B/W Switching to UAX NZ 13 Parent for SCS Manual Board.
13630	*	*	*		*		I/C Junction Relay Set from UAX NZ 13 for SCS Manual Board.
13640	*		*	*	*		UAX NZ 13R Sub's Line Circuit.
13650	*		*	*	*		UAX NZ 13R Discriminating Selector, L/F & Allotter.
13660	*		*	*	*		UAX NZ 13R Final Selector.
13670	*		*	*	*		UAX NZ 13R B/W Junction Relay Set.
13680	*		*	*	*		UAX NZ 13R I/C Junction Relay Set.
13690	*		*	*	*		UAX NZ 13R Ringing Tones and Alarms.
13691	*		*		*		UAX NZ 13R Ringing Tones and Alarms.
13700			*	*	*		UAX NZ 13R Common Services Rack Wiring.
13710			*	*	*		UAX NZ 13R Line Testing Circuit.
13720	*		*	*	*		UAX NZ 13 Common Equipment Ringing Tones and Pulses.
13721	*		*	*	*		UAX NZ 13 Common Equipment Ringing Tones and Pulses.
13722	*		*	*	*		UAX NZ 13 Common Equipment Ringing Tones and Pulses.
13723	*		*	*	*		UAX NZ 13 Common Equipment Ringing Tones and Pulses.
13730			*	*	*		UAX NZ 13 Rack Common Services Wiring.
13740			*		*	S	1 Second Earth Pulse Distribution.
13750	*	*	*	*	*		UAX NZ 13 M-Line Relay Set for 5 Party CB Lines, Loop Dialling.
13760	*		*	*	*		UAX NZ 13 Ringing Codes for 5 Party Lines.
13761			*	*	*		UAX NZ 13 Ringing Codes for 5 Party Lines.
13762			*	*	*		UAX NZ 13 Ringing Codes for 5 Party Lines, Transistorised.
13770	*	*	*	*	*		UAX NZ 13 Revertive Call Relay Set for 2 Party and 5 Party lines.
13780	*	*	*		*		UAX NZ 13 I/C Junction Relay Set from attached UAX NZ 13R-Unit.
13790		*	*		*		Test Desk B/W Lines to Auto : New Plymouth.
13800			*	*	*		Manual Routine Test Unit for 2VF Toll Line Circuits.
13810			*		*		Miscellaneous Circuits on Manual Routine Test Unit for 2VF Toll Line Circuit.
13820	*	*	*	*	*		I/C Junction Relay Set from UAX NZ 13 for WE BCS Manual Board.
13830	*	*	*	*	*		Revertive Ringing Relay Set.
13840			*	*	*		Manual Test Set for Auto-to-Auto Relay Sets.
13850				*	*		Test Telephone for Dry Loop Working.
13860	*	*	*	*	*		O/G Junction from SCS Switchboard for use with O/G 1VF Line Circuit.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
13870			*	*	*		UAX NZ 13 Line Testing Circuit.
13871			*	*	*		UAX NZ 13 Line Testing Circuit.
13880	*	*	*	*	*	N	Fault Service Lines Terminating on Test or Fault Service Desk. See GBW 16650.
13890	*	*	*	*	*	S	UAX NZ 13 Group Selector. See GBW 15960.
13900	*	*	*	*	*		UAX NZ 13 Final Selector 2-10 PBX Type.
13901	*	*	*	*	*		UAX NZ 13 Final Selector 2-10 PBX Type.
13910	*	*	*	*	*		UAX NZ 13 Line Finder and Line Circuit.
13920	*	*	*	*	*		UAX NZ 13 Route Discrimination and Timing Circuit.
13930	*	*	*	*	*	S	UAX NZ 13 O/G Junction to Parent Exchange. See GBW 16670.
13940	*	*	*	*	*		UAX NZ 13 Route Restricting and Timing Circuit.
13950	*	*	*	*	*		UAX NZ 13 O/G Junction to Dependant UAX (Terminal Traffic only).
13960	*	*	*	*	*		UAX NZ 13 O/G Junction to Dependant Exchange (Non-Terminating Traffic).
13970	*	*	*	*	*	N	UAX NZ 13 O/G Junction to Non-Dependant Auto Exchange. See GBW 16831.
13980	*	*	*	*	*	N	UAX NZ 13 I/C Junction from Parent or Non-Dependant Exchange. See GBW 16880.
13981	*	*	*	*	*	N	UAX NZ 13 I/C Junction from Parent or Non-Dependant Exchange. See GBW 16880.
13990	*	*	*	*	*		UAX NZ 13 I/C Junction from Dependant UAX.
14000			*	*	*		UAX NZ 13 Maintenance Tester.
14010	*		*	*	*		UAX NZ 13 Route Discriminating Relay Set.
14020	*		*	*	*		UAX NZ 13 6 Second Time Pulse Distribution Relays.
14030			*	*	*	S	Auto Power Plant Control Panel (Under 75 Amp). See GBW 15681.
14031			*	*	*	S	Auto Power Plant Control Panel (Under 75 Amp). See GBW 15681.
14040		*	*	*	*		Call Trap Circuit for B/W Junction Associated with I/C Selectors.
14060	*	*	*	*	*		Auto-to-Auto Relay Set. Fixed Fee 1-6 Units Without Repeat Metering.
14061						O	Auto-to-Auto Relay Set. Fixed Fee 1-6 Units Without Repeat Metering.
14070							Trunking Scheme 50/1200 Line PABX.
14080		*	*	*	*		Extension Line Circuit 50/1200 Line PABX.
14090	*	*	*	*	*		First Group Selector 50/1200 Line PABX.
14091	*	*	*	*	*		First Group Selector 50/1200 Line PABX.
14100	*	*	*	*	*		Second Group or I/C Selector 50/1200 Line PABX.
14110	*	*	*	*	*		Final Selector Regular 50/1200 Line PABX.
14120		*	*	*	*		Final Selector Group Hunting 50/1200 Line PABX.
14130	*		*	*	*	S	Ringing and Tones Circuit 50/1200 Line PABX. See GBW 14700.
14140	*		*	*	*		Pulse Circuit 50/1200 Line PABX.
14141							Pulse Circuit 50/1200 Line PABX.
14150	*	*	*	*	*	N	Exchange Line Circuit 50/1200 Line PABX. See GBW 15220.
14160	*		*	*	*		Enquiry Circuit 50/1200 Line PABX.
14170	*	*	*	*	*		Inter Switchboard Line B/W Auto-to-Auto Dialling 50/1200 Line PABX.
14180	*	*	*	*	*		Inter Switchboard Line B/W to PMBX one wire Earth Dialling or DC Signalling in DC Signalling out 50/1200 Line PABX.
14190	*	*	*	*	*		Inter Switchboard Private Wire Circuit Centre & Balanced Battery Signalling 50/1200 Line PABX.
14200			*	*	*	S	Manual Board Circuits 50/1200 Line PABX. See GBW 15200.
14210	*		*	*	*	N	Cord Circuits 50/1200 Line PABX. See GBW 15210.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
14220							CTS Alarm Panel 50/1200 Line PABX.
14221			*				CTS Alarm Panel 50/1200 Line PABX.
14230	*		*	*		N	Manual Ring and Alarm Circuits 50/1200 Line PABX. See GBW 16630.
14240			*				Rack Common Service Wiring Auto Rack 50/1200 Line PABX.
14250	*	*		*			Manual Extension 50/1200 Line PABX.
14260	*	*	*	*			Manual Private Wire Circuit 50/1200 Line PABX.
14270	*	*	*	*			'0' Level Circuit 50/1200 :Line PABX.
14280	*						Lamp Lighting Circuit 50/1200 Line PABX.
14290							Night Service Switchboard Circuit 50/1200 Line PABX.
14291							Night Service Switchboard Circuit 50/1200 Line PABX.
14300	*	*	*	*			Night Service Access Circuit 50/1200 Line PABX.
14310			*	*			Routine Test Set for 50/1200 Line PABX.
14320				*	*		Oscillator for Transmission Tests.
14330				*	*		Tester for Transmission Tester.
14340				*	*		Dial Unit for Transmission Tests.
14350			*		*		Directory Service Position Circuit and I/C, O/G and B/W Lines for WE BCS Manual Board.
14360	*	*	*	*	*		Multi-Fee Relay Set Connected off DSR Levels.
14361			*		*		Multi-Fee Relay Set Connected off DSR Levels.
14370			*				Ringling Tones and Meter Pulse Machine : Waimate and Richmond.
14380			*		*		Rack Common Service Wiring Relay Set Racks 50/1200 Line PABX.
14390			*		*		Rack Common Service Wiring 2nd Group Selector Rack 50/1200 Line PABX.
14400	*	*	*	*	*		UAX NZ 13 Final Selector for 5 Party Lines.
14410	*	*	*	*	*		UAX NZ 13 Line Relay Set for 'R' Lines.
14420	*	*	*	*	*	N	Routiner Access Selector for Group Selectors on Racks with Grading Facilities.
14430	*	*	*	*	*		Auto-to-Auto Relay Set Variable Fee 1-6 Units with Repeat Metering.
14440	*		*		*		Warn Pulse Generator 50/1200 Line PABX.
14450	*	*	*	*			UAX NZ 13 B/W Junction to Parent Exchange Limited Facility Type.
14451	*	*	*	*	*		UAX NZ 13 B/W Junction to Parent Exchange Limited Facility Type.
14460			*		*		Cord and Ring Key Test Circuit SCS Manual Board.
14470			*		*	S	UAX NZ 13R Subs Line Circuit for Multi-Party Line. See GBW 13640.
14480	*	*	*		*	S	UAX NZ 13R Linefinder, Discriminating Selector and Allotter Circuit. See GBW 13650.
14490	*		*		*	S	UAX NZ 13R Final Selector for Party-Lines. See GBW 13660.
14500	*	*	*		*	O	UAX NZ 13R I/C Junction Relay Set. See GBW 13680.
14510	*		*		*	O	UAX NZ 13R B/W Junction Relay Set for use at Remote UAX See GBW 13670.
14520	*		*		*	O	UAX NZ 13R Ringing Tones and Alarms.
14530	*	*	*	*	*		Auto-to-Auto Relay Set with Revertive Ringing Multi-Fee and Repeat Metering Facilities for Full Satellite Exchanges.
14540	*			*	*		Conference Circuit with Priority.
14550	*		*	*	*		Code Call Circuit (25 Visual and/or Audible Codes) 50/1200 Line PABX.
14560	*		*	*	*		Night Watchman's Circuit 20 Locations 50/1200 Line PABX.
14570			*	*	*		Manual Test Set for Local or Toll Auto-to-Auto Relay Sets.
14580	*	*	*	*	*		NZAC Signalling System Selector.
14581	*	*	*	*	*		NZAC Signalling System Selector.
14590	*	*	*	*	*		Auto-to-Auto Relay Set Special Services.
14591	*	*	*	*	*		Auto-to-Auto Relay Set Special Services.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
14600	*	*	*	*	*		Auto-to-Auto Relay Set with Regenerator.
14610	*	*	*	*	*		Auto-to-Auto Relay Set with Multi-Metering.
14620	*	*	*	*	*		Interworking Relay Set Type RSM (Reg) 7D Rotary to SxS.
14630	*	*	*	*	*		Interworking Relay Set Type RSM (Toll) 7D Rotary to SxS.
14640					*		UAX NZ 13 Time Pulse Control using Clock No. 46.
14641					*		UAX NZ 13 Time Pulse Control using Clock No. 46.
14650	*		*	*	*		20 line PABX Connecting Circuit.
14660	*		*	*	*		35/49 Line PABX Connecting Circuit.
14670	*		*	*	*		20 Line PABX Enquiry Circuit.
14680	*		*	*	*		35/49 Line PABX Enquiry Circuit.
14690	*		*	*	*		20, 35 & 49 Line PABX Exchange Line Circuit
14700	*		*	*	*	N	20, 35 & 49 Line PABX Ringing and Tones Circuit. See GBW 16760.
14710	*		*	*	*		20, 35 & 49 Line PABX Pulse Circuit.
14711	*		*	*	*		20, 35 & 49 Line PABX Pulse Circuit.
14720			*	*	*		20, 35 & 49 Line PABX Attendant Line, Night Service Start Alarms & Miscellaneous Circuit.
14721			*	*	*		20, 35 & 49 Line PABX Attendant Line, Night Service Start Alarms & Miscellaneous Circuit.
14730					*	S	UAX NZ 13R Rack Common Services. See GBW 13700.
14740			*	*	*	S	23/25 Cells Auto Power Plant Control Panel (Over 75 Amps). See GBW 15710.
14741			*	*	*	S	23/25 Cells Auto Power Plant Control Panel (Over 75 Amps). See GBW 15710.
14750			*	*	*	O	Positive Battery Low Volts Alarm Circuit for Rotary Exchanges.
14760	*	*	*	*	*		Auto-to-Auto B/W Junction Relay Set Variable Fee 1-6 Units with Repeat Metering.
14770	*		*	*	*		Multi-Fee Relay Set for Use on Auto-to-Auto Junction Routes.
14780	*	*	*	*	*		Auto-to-Auto B/W Junction Relay Set Variable Fee 1-6 Units with Repeat Metering and Rural Party Discrimination.
14790		*	*		*		Subscribers Line Circuit.
14800		*	*		*		Subscribers Line Circuit for Shared Service.
14810					*		Rack Common Service Wiring Uniselector an L-K Relays.
14820	*		*	*	*		Multi-Fee Relay Set with Rural Party Discrimination AMX's.
14830			*		*	S	Ringing Tones and Meter Pulse Circuit with Automatic Changeover 15 Watts. See GBW 15241.
14840			*	*	*		Test Set for Measurement of Impulse Distortion on Auto-to-Auto Relay Sets.
14850					*		Cabling of Penultimate Selr O/L to 20 & 30 Bank Final Selr Groups.
14860			*		*		Fuse Alarm Arrangements Ringer Rack : Waimate & Richmond.
14870					*		Combined Handset Telephone for Use in CB and Auto Areas on PBX Extensions (Type 330F with Operator Recall Facility).
14880			*	*	*		Manual Test CBT for B/W 2VF Toll line Circuits.
14890					*		
14900					*		
14910					*		Ringing and Tones Distribution RER : Waimate & Richmond.
14920					*		
14930			*		*		Alarm Extension to temporary TMX.
14940			*		*		Hand Test Telephone (Buttinsky Pattern).
14950	*	*	*		*	S	UAX NZ 13 Night Switching to 2VF Adaptor Relay Set.
14960	*	*	*	*	*	S	Selector Level Night Switching to 2VF Adaptor Circuit.
14970		*	*		*		Emergency Services Auxiliary Relays And Alarms.
14980	*	*	*		*		Selector Level Relay Set for SCS Manual Board.
14990	*	*	*	*	*		Emergency Service Direct or Joint Access Circuit SCS.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
15000	*	*	*		*		Level '0' Junction Relay Set with Transformer Bridge SCS.
15001	*	*	*	*	*		Level '0' Junction Relay Set with Transformer Bridge SCS.
15010	*	*	*		*		Level '0' Relay Set 1VF Circuit to SCS Manual Board.
15011	*	*	*	*	*		Level '0' Relay Set 1VF Circuit to SCS Manual Board.
15020							
15030					*		Switchboard Connection Strip Commoning Diagram.
15040		*	*		*		Subscriber's U/D Lines 3000 type or 600 Type Relays.
15050	*	*	*	*	*		Dependant Exchange O/G Line Circuit for B/W Junctions to Parent Exchange NZSS AC3 System.
15051	*	*	*		*	N	Dependant Exchange O/G Line Circuit for B/W Junctions to Parent Exchange NZSS AC3 System. See GBW 16500.
15060	*	*	*	*	*	N	I/C Line Circuit NZSS AC3 System to Parent Exchange from Dependant. See GBW 16500.
15070	*	*	*	*	*	N	Parent Exchange O/G 1VF Line Circuit for B/W Junction to Dependant Exchange.
15071	*	*	*		*	N	Parent Exchange O/G 1VF Line Circuit for B/W Junction to Dependant Exchange. See GBW 16510.
15080	*	*	*	*	*	N	Dependant Exchange I/C NZSS AC3 System Line Circuit from Parent. See GBW 16520.
15090	*	*	*	*	*	N	Dependant Exchange O/G NZSS AC3 Line Circuit for U/D Junctions to Parent.
15091	*	*	*		*	N	Dependant Exchange O/G NZSS AC3 Line Circuit for U/D Junctions to Parent. See GBW 16530.
15100	*	*	*	*	*	N	Parent Exchange O/G Line Circuit for U/D Junctions to Dependant NZSS AC3 System.
15101	*	*	*		*	N	Parent Exchange O/G Line Circuit for U/D Junctions to Dependant NZSS AC3 System. See GBW 16540.
15140	*	*	*	*	*		Level '0' Junction Relay Set WE BCS I/C Junction or Selector Level Relay Set to S/S or Special PBX Lines with or without Manual Hold and Negister Switching.
15150	*	*	*		*		I/C Junction or Selector Level Relay Set to Special Service Lines with or without Manual hold and Negister Switching.
15160	*	*	*		*		I/C Junction or Selector Level Repeater to Special Services.
15170			*		*		Subs line Circuit Relay Set Mounted Demonstration Unit. Superseded by NZPO 38940.
15180			*		*		Auto Exchange Demonstration Unit.
15190	*		*	*	*		Group Selector Routiner Test Unit.
15191	*		*	*	*		Group Selector Routiner Test Unit.
15200			*		*		Manual Board Circuits 50/1200 Line PABX.
15201			*	*	*		Manual Board Circuits 50/1200 Line PABX.
15210	*		*	*	*		Cord Circuits 50/1200 Line PABX.
15211	*		*	*	*		Cord Circuits 50/1200 Line PABX.
15220	*		*	*	*		Exchange Line Relay Set 50/1200 Line PABX.
15230	*	*	*	*	*		Selector Level Relay Set. See GBW 15450.
15240			*		*		Ringng Tones & Meter Pulse Machine 15, 37.5 & 75 Watt. See GBW 20130.
15241			*	*	*		Ringng Tones & Meter Pulse Machine 15, 37.5 & 75 Watt. See GBW 20130.
15250			*	*	*		Ringng and Tones Distribution RER.
15260	*	*	*	*	*		Order-Wire Selector 100 Outlet.
15270	*	*	*	*	*		O/G Junction Toll-to-AMX for WE Type Manual Board.
15280	*	*	*	*	*		VF Selector Level '0' Relay Set WE BCS Manual Board.
15290		*	*		*		UAX NZ 13R 'P' Wire Adaptor Circuit.
15300		*	*	*	*		Alarm Extension at Intermediate Exchange.
15310	*	*	*	*	*		Generator Signalling Repeater Relay Set.

GBW DIAGRAM No	GBU	GBX	RCL	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
15320		*	*	*	*		Switching for Transfer of Control of Test Selector to Intermediate Exchange.
15330		*	*		*		Busying Circuit for Selector Level Circuits.
15340			*		*		Fuse Alarm Arrangements Ringer Rack.
15350	*	*	*	*	*		WE SCS O/G Junction Relay Set Toll-to-AMX.
15360	*	*	*	*	*		WE SCS O/G junction Relay Set to UAX NZ 13.
15370			*		*	N	Fuse Alarm Arrangements AER for Exchanges with RER. See GBW 16150.
15380	*		*	*	*		Auto-to-Auto Repeater O/G Circuit to Rural Carrier.
15390	*		*	*	*		Auto-to-Auto Repeater I/C Circuit to Rural Carrier.
15400			*		*		Tester for Multi-Fee Relay Set connected off DSR Levels.
15410					*		Uniselector Tester.
15420		*	*		*		Junction Guard Circuit.
15430	*	*	*	*	*		Selector Level Relay Set Special Services Rotary Exchange to SCS Manual Board.
15440	*	*	*	*	*		Main Exchange Relay Set Rural Carrier Earth or Loop Dialling.
15450	*	*	*	*	*		Selector Level or I/C Junction Relay Set.
15460	*	*	*		*		Outgoing Relay Set Loop Dialling SCS to Rotary Exchange.
15470					*	O	6.5 Amp Battery Eliminator for 120 and 135 Type PABX's. See IS 1080 Part 1.
15480					*	O	7.5 Amp Battery Eliminator for 120-A and 135-A Type PABX's. See IS 1080 Part 1.
15490					*	O	7.5 Amp Battery Eliminator for 120-A and 135-A Type PABX's. See IS 1080 Part 1.
15500							
15510	*	*	*		*	N	UAX NZ 13 Dial Tone Suppression Circuit on Dialed VF Toll Calls. See GBW 16880.
15520	*	*	*	*	*		B/W Manual Board Access to Auxiliary Toll SCS.
15530	*		*	*	*	S	Transistor 50V Positive Supply Relay Set for 1VF System.
15540							
15550							
15560							
15570	*	*	*	*	*		Loop to NZSS AC1 Conversion Relay Set.
15580							
15590			*	*	*	S	UAX NZ 13 Test Circuit for 1VF Receivers and Oscillators.
15600	*	*	*	*	*		Selector Level Relay Set WE BCS Toll Board.
15610	*	*	*	*	*		Emergency Service Relay Set Direct of Joint Access WE BCS Toll Board.
15620	*		*	*	*		Subscribers long Line Repeater.
15630	*	*	*	*	*		UAX NZ 13 Selector Level Relay Set to Remote Manual Emergency Service.
15640	*	*	*	*	*		O/G Junction from WE BCS Manual Board for Use with O/G 1VF Line Circuit.
15650			*	*	*		Test Desk Lines to Test Selector WE BCS Manual Board.
15660			*	*	*	S	UAX NZ 13 6.3V AC Heater Supply for 1VF System with AC/DC Changeover.
15661			*		*	S	UAX NZ 13 6.3V AC Heater Supply for 1VF System with AC/DC Changeover. Not to be used for new work.
15670	*		*	*		S	50V Positive Supply (Transistor) Fail Alarm relay Set for 1VF System.
15680			*	*			Auto Power Panel Control Cubicle (Up to 100 Amp).
15681			*	*	*		Auto Power Panel Control Cubicle (Up to 100 Amp).
15690	*	*	*	*	*		Interworking Relay Set type RSM Rotary to SxS.
15700			*	*	*		Tester for Trunk Tandem Selector M/U Type.
15710			*	*			23/25 Cells Auto Power Plant Control Panel Circuit (Over 100 Amps).

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
15720			*				6V Standby Battery and Charger with Fuse Alarm.
15730	*	*	*	*	*		I/C Junction Circuit to Auto with Access to SCS Assistance Circuit (Gateway Exchange).
15740	*		*	*	*		O/G Junction Busing Circuit TJF or T/R & TJF Dialling Panel.
15750	*	*	*	*	*		O/G Junction Circuit to International Exchange SCS (Gateway Exchange).
15760	*	*	*	*	*		I/C Junction Circuit to International Exchange (Code 11) SCS (Gateway Exchange).
15770	*	*	*	*	*		Auto-to-Auto Relay Set Fixed Fee with Repeat Metering.
15780					*		UAX NZ 13 Typical Cabling Jumpering and Trunking Arrangements.
15790			*	*	*		Audible and Visible Alarm Scheme with Extension of Prompt Alert and Deferred Alarms via a Cable Pair AMX.
15800		*	*	*	*		Audible and Visible Alarm Scheme with Alarm Extension via Late Choice Demand Trunk AMX.
15810		*	*	*	*		Audible and Visible Alarms with Alarm Extension or N/S Day Centre.
15820	*	*	*		*		Night Switching Local Alarms Transfer Circuit Day Group Centre to TMX.
15830	*	*	*	*	*		Night Switching I/C Alarm Transfer Circuit Day Group Centre to TMX.
15840	*	*	*	*	*		Night Switching Auxiliary Alarms Transfer Circuit Day Group Centre to TMX.
15850	*	*	*	*	*		Night Switching Adaptor and Control Circuits Day Group Centre to TMX.
15860				*	*	S	NZSS AC2 & AC3 Receiver Schematic.
15870		*	*		*		Multiple Jacks with VES Lamps 6V AC Supply AK AUX Toll.
15880					*		I/C Junction Circuit to International Exchange (Code 12) SCS (Gateway Exchange).
15890							Rack Common Services Relay Set Rack with Individual FA Relays (Gateway Exchange).
15900					*		Routiner Access Selector U/S with Secondary Distribution for Auto-to-Auto Relay Set with or without Repeat Metering.
15910	*	*	*	*	*		200 Line Final Selector 11-20 PBX.
15920			*	*	*		Artificial Traffic Equipment.
15930			*	*	*		11-20 PBX Final Selector Test Set.
15940							
15950					*	O	Supervisors Desk Position.
15960	*	*	*		*		UAX NZ 13 Group Selector.
15970					*		Miscellaneous Circuits on MDF Rack Type.
15980	*	*	*		*		Trunk Tandem Selector 4 Wire.
15990	*	*	*	*	*		O/G Junction from SCS Switchboard 1VF.
16000	*		*		*		UAX NZ 13 O/G Junction from Terminal UAX to Parent UAX.
16010		*	*		*		Inter-Posn Circuit for up to 9 Positions SCS.
16020	*	*	*		*		B/W Trunk Ring Down Working International Circuits.
16030							Routiner Test Unit for Ord. Forward Holding and Multi-Metering Auto-to-Auto Relay Sets.
16040	*	*	*	*	*		Auto-to-Auto Relay Set Non-Metering Manual Hold.
16050		*	*		*		SAX Adaptor Circuit for I/C Junction Terminated on Ord Final Selector.
16060		*	*		*		SAX Adaptor Circuit for I/C Junction Terminated on Comb Final Selector.
16070			*	*	*		Traffic Recorder for Subs Lines.
16080					*		Tester for Line Fuses used with Rack type MDF.
16090	*	*	*	*	*		Order Wire Selector 100 Outlet SCS.
16100	*	*	*	*	*		Night Switching Adaptor and Control Circuit NZSS AC2 Trunks.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
16110			*	*	*		Answering Relay Circuit for use with Artificial Traffic Equipment.
16120		*			*		Panel Access for Artificial Traffic Equipment.
16130		*	*	*	*		Chargeable Time Clocks with Universal Timing Key and Control Relays for SCS.
16140		*	*		*		Manual Board and CTS Night Alarm and Fuse Alarm Arrangements SCS.
16150			*		*		Fuse Alarm Arrangements AER for Exchanges with RER.
16160			*				Rack Common Services Wiring Final Selectors 11-20 PBX.
16170			*				Portable Route Analyser.
16180	*	*	*	*	*		O/G Junction from WE SCS Manual Board for use with O/G Line Circuit NZSS AC2 System.
16190		*	*		*		Supervisors I/C Lines from Switchboard with Pad Control SCS.
16200	*	*	*	*	*		Auto-to-Auto Relay Set Non-Metering with Forward Holding.
16210		*	*		*		Special Purpose Line Circuit.
16220			*		*		Audible and Visible Alarms with Alarm Extension & N/S Day Group Centre.
16230	*		*	*	*		Night Switching 1 to 4 digit Generating Circuit. (For use with GBW 16100).
16240	*	*	*		*		Auto-to-Auto Relay Set O/G to SAX Ord or Comb Final Selector.
16250	*	*	*		*		Auto-to-Auto Relay Set O/G to SAX Ord Final Selector.
16260			*	*	*		Test Desk Test Cord and Telephone Circuit.
16270		*	*		*		Exchange Clocks.
16280		*			*		Test Extension Circuit Toll Exchanges.
16290		*	*		*		Routiner Access Selector for Group Selectors with U/S Access Selectors mounted on Non-Graded Group Selector Racks.
16300		*	*		*		Routiner Access Selector for Group Selectors with U/S Access Selectors mounted on Graded Group Selector Racks.
16310			*		*		Routiner Access Selector for Ord and 2-10 PBX Final Selectors with U/S Access Selectors mounted on Final Selector Rack.
16320	*		*	*	*		Routiner Access Control for Group Selector Routiner with U/S Access Selectors.
16330	*		*	*	*		Routiner Access Control for Final Selector Routiner with U/S Access Selectors.
16331	*		*		*		Routiner Access Control for Final Selector Routiner with U/S Access Selectors.
16340			*		*		Transistorised Tone Fail Detector.
16341			*		*		Transistorised Tone Fail Detector.
16350							Routiner Duplicate Display for Ord, Forward Holding Multi-Metering & Toll Auto-to-Auto Relay Sets.
16360		*	*	*	*		Supervisors or Assistant Supervisors B/W Auto NA and O/G Order Wire Circuits.
16370			*				Subs Controlled Diversion Service Schemes "A", "B" & "C".
16380		*	*		*		Subs Line Circuit Composite U/S & F/S Racks.
16390		*	*		*		Subs Line Circuit Shared Service Composite U/S & F/S Racks.
16400			*		*		Rack Common Services Composite U/S & F/S Racks.
16410			*		*		Routiner Access Selector Mounted on Composite U/S & F/S Racks.
16420							
16430	*		*		*		Hospital Circuit for Rural Auto Lines T/D or T/R Answering.
16440	*	*	*		*		Auto-to-Auto Relay Set with Toll Facility.
16450							
16460	*	*	*	*	*		I/C Line Circuit (U/D or B/W) NZSS AC2T System.
16470	*	*	*	*	*		O/G Line Circuit for B/W Junctions NZSS AC2T System.
16480	*		*	*	*		2280 CPS Transistor Oscillator for NZSS AC2T & AC3T System.
16490	*	*	*	*	*		O/G Line Circuit for B/W Junctions Dependant Exchange to Parent NZSS AC3T System.
16500	*	*	*	*	*		I/C Line Circuit (U/D or B/W) from Dependant Exchange to Parent NZSS AC3T System.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
16510	*	*	*	*	*		O/G line Circuit for B/W Junction Parent to Dependant Exchange NZSS AC3T System.
16520	*	*	*	*	*		I/C Line Circuit for Junction from Dependant Exchange to Parent NZSS AC3T System.
16530	*	*	*	*	*		Unidirectional O/G Line Circuit Dependant Exchange to Parent NZSS AC3T System.
16540	*	*	*	*	*		Unidirectional O/G line Circuit Parent to Dependant Exchange NZSS AC3T System.
16550	*	*	*	*	*		Unidirectional O/G Line Circuit NZSS AC2T System.
16560			*	*	*		2280 CPS Receiver NZSS AC2T & AC3T System.
16570					*		Test Circuit for Receivers & Oscillators NZSS AC2T & AC3T System.
16580					*		Provision of Earthing Leads at rear of Switchboard SCX.
16590			*	*			Routiner for 200 Line Final Selectors with Toll Access 11-20 PBX 2000 Type.
16600			*	*	*		Routiner Access Selector for 200 Line Final Selectors with Toll Access 11-20 PBX U/S Access Selector Mounted on F/S Rack.
16610			*	*	*		Routiner Access Control for U/S Access Selectors mounted on Apparatus Racks 2000 Type.
16620			*		*		6.3 Volt AC Heater Supply ('C' Core Transformer).
16630	*		*	*	*		Manual Ring and Alarm Circuit 50/1200 Line PABX.
16640			*		*		Test Circuit for Impulse Speed and Count for Exchange with Test Sections sharing Impulse Test Circuits.
16650	*	*	*	*	*		Selector Level Relay Sets to Tester Directory Service Desk.
16660	*			*	*		UAX NZ 13 Final Selector Ordinary.
16670	*	*	*		*		UAX NZ 13 Outgoing Junction Relay Set.
16671	*	*	*		*		UAX NZ 13 Outgoing Junction Relay Set.
16680	*	*	*		*		'P' Wire Repeater.
16690			*		*		Test Desk Cord and Telephone Circuit with Ballast Resistance for Exchanges with Shared Test Circuit.
16700			*		*		Multiple Answering Relays Test Desk and Turrets.
16710			*	*	*		Clear Forward Timer NZSS AC2T & AC3T System.
16720			*	*	*		Test Circuit for 1VF Line Circuits NZSS AC2T & AC3T System.
16730				*	*		Transistor Single Delay Timer NZSS AC2T & AC3T System.
16740			*		*		25 C/S Ringing Generator 20, 35 & 49 Line PABX's.
16750			*		*		PABX 400 C/S Tone Oscillator.
16751			*		*		PABX 400 C/S Tone Oscillator.
16760			*		*		PABX Ringing and Tones Circuit 20, 35 & 49 Line PABX's.
16761	*		*		*		PABX Ringing and Tones Circuit 20, 35 & 49 Line PABX's.
16770			*	*	*		Position Circuit with Key Sending SCS International Exchange.
16780			*		*		
16790			*	*	*		Routiner for Group Selector (Was GBW 11223).
16800			*	*	*		Audible and Visible Alarm Scheme for 4 and 5 Floor Exchanges.
16810	*	*	*	*	*		Selector Level Relay Set Ringdown Working for Special Services.
16820			*		*		UAX NZ 13S1T-UnitTest Circuit for Receivers & Oscillators NZSS AC2T & AC3T System..
16830	*	*	*	*	*		UAX NZ 13 O/G Junction to Non-Dependant Auto with I/C Junction Barring Facilities.
16831	*	*	*	*	*		UAX NZ 13 O/G Junction to Non-Dependant Auto with I/C Junction Barring Facilities.
16840			*		*		AC and DC 6 Volt Supply for Multiple Answering Lamps Test Desks and Turrets.
16850	*		*	*	*		PABX Finder Circuit.
16860	*		*	*	*		Code Call Circuit 50/1200 Line PABX.
16880	*	*	*	*	*		UAX NZ 13 I/C junction from Parent or No-Dependant Exchange with or without Dial Tone Suppression.
16900	*	*	*	*	*		UAX NZ 13 CCB Line Route Restriction Relay Set.
16910	*	*	*	*	*		UAX NZ 13 Full Facility O/G Junction Relay Set.

GBW DIAGRAM No	G B U	G B X	R C C L	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
16920 16930 16940	* * *	* * *	* * *		* * *		Digit Absorbing Relay Set with Discriminating Facilities. Sender Conversion Relay Set (International Exchange). Outgoing to Auto Relay Set with Sender Hunter SCS (International Exchange).
16970 16980 16990	* * *		* * *	* * *	* * *		UAX NZ 13 Transistorised Tone Generator. Routiner Duplicate Display for Auto-to-Auto Relay Set Routiner. Exchange Line Circuit 50/1200 Line PABX.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
							<u>TELEX DRAWINGS</u>
17000	*	*	*	*	*		Station Line Circuit.
17010	*	*	*	*	*		200 Outlet Group Selector.
17020	*	*	*	*	*		200 Outlet Final Selector with 2-10 Line Auxiliary Group Facilities.
17030	*	*	*	*	*		Bothway Trunk Relay Set.
17040	*	*	*	*	*		Supervisory and Metering Relay Set.
17050	*	*	*	*	*		Level Relay Set Outgoing to Services Position.
17060			*	*	*		Station Line Group Overflow Meter.
17070	*	*	*	*	*		Exchange Relayed Line Unit.
17080		*			*		NP For Spare Lines and Hunting Battery (PX) for Groups of Auxiliary Station Lines.
17090			*	*	*		Total Call Attempts Meter.
17100			*	*	*		Traffic Meter Circuits.
17110		*		*	*		Line Filter Circuit and Resistor Bulb.
17120	*		*	*	*		Delayed Alarm and Interrupted Earth Distribution.
17130	*		*	*	*		12 and 30 Second S and Z pulse Distribution.
17140			*	*	*		Group Fuse Alarm.
17150		*		*	*		'P' Wire Switching Battery.
17160			*	*	*		Centralised Alarms.
17170			*	*			Unit Telex No. NZ1 Signalling Unit for Telex Station with Teleprinter Only.
17180			*	*			Unit Telex No. NZ2 Signalling Unit for Telex Station with Teleprinter and Automatic Transmit.
17190			*	*	*		Panel Telegraph No. 103-A VF Station Line Relay Unit.
17200				*	*		Fork Drive Amplifier for 80 & 80 Volt DC Supply (Panel Telegraph No. 75B).
17210					*		Synchroscope Fork Panel Drive & Pick-Up Coils (Panel Telegraph No. 74A).
17220	*		*	*			Signal Generator Change-over and Alarm Relay Set.
17230	*		*	*	*		Service Signal and Signal Phasing Pulse Distribution.
17240	*		*	*	*		Signal Monitor Relay Set.
17250			*	*	*		Signal Distribution Test Panel.
17260		*	*	*	*		Engineering Control Board.
17270			*	*	*		Tester for Maintenance Tests on Pulse Speed and Ratio.
17280				*	*		Machine Pulsing No. 9B.
17290	*		*	*	*		50 C/S Supply Change-over and Alarm Relay Set.
17300					*		Sub-section Alarm Classification Strip Connections.
17310			*	*	*		Rack Common Services Station Line Circuit Rack.
17320			*	*	*		Rack Common Services Group Selector Rack.
17330			*	*	*		Rack Common Services Final Selector Rack.
17340			*	*	*		Rack Common Services Trunk Relay Set Rack.
17350			*	*	*		Rack Common Services Relay Set Rack.
17360			*	*	*		Rack Common Services Supervisory & Metering Relay Set Rack.
17370			*	*	*		Rack Common Services Signal Generator and Distribution Rack.
17380			*	*	*		Rack Common Services Miscellaneous Apparatus Rack.
17390			*	*	*		Rack Common Services Subscribers Meter Rack.
17400			*	*	*		Speaker and Test Set for DC Telegraph Circuits.
17410				*	*		Polarised Relay Tester for Testing Carpenter Type Relays 2B/... 3B/... 4B/...
17420				*	*		Circuit Continuity Test Probe.
17430			*	*	*		Relay timing Tester with Pulse Measurement Facility.
17440			*	*			Routine Tester for Group Selectors to Diagram GBW 17010.
17450			*	*			Routine Tester for Final Selectors to Diagram GBW 17020.

GBW DIAGRAM No	G B U	G B X	R C C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
17460			*	*			Routine Tester for Bothway Trunk Relay Set to Diagram GBW 17030.
17461			*				Routine Tester for Bothway Trunk Relay Set to Diagram GBW 17030.
17470			*	*	*		Routine Tester for Subscribers Meter's Test Box & Rack Mounted.
17480			*	*	*		Signal Generator Circuit Arrangement.
17490				*	*		Signal Generator Trigger Pulse Generator & 7½ Unit Code Binary Circuit.
17500				*	*		Signal Generator 20 State Character Selection Binary Circuit.
17510				*	*		Signal Generator Character Code Forming and Selection Circuit.
17520				*	*		Signal Generator SA, SB, ZA & ZB Phasing Pulse Circuit.
17530				*	*		Signal Generator HRT Pulse Circuit.
17540				*	*		Signal Generator Pulse Output Circuit.
17550				*	*		Signal Generator 2.4.Sec Timing Circuit.
17560				*	*		Signal Generator WRU Signal Character Code Forming & Selection circuit and 7 wire Output Forming Circuit.
17570				*	*		Signal Generator WRU Phasing Pulse and 2-4 Sec 'S' & 'Z' Pulse Circuit.
17580				*	*		Signal Generator 12 & 30 Second 'S', 'Z' & 'T' Character. Pulse Circuit.
17590				*	*		Signal Generator Binary Fail Alarm Circuit.
17600				*	*		Signal Generator Signal Output Circuit.
17610				*	*		Signal Generator Signal timing Chart.
17620	*		*	*	*		20 Line Concentrator Subscribers Unit.
17630	*	*	*	*	*		20 Line Concentrator Exchange Unit.
17640	*		*	*	*		Monitoring Relay Set.
17650	*		*	*	*		Periodic Meter Pulse Generator Circuit.
17660			*	*	*		Meter Pulse Generator Changeover Control & Alarm Circuit.
17670			*	*	*		Periodic Meter Pulse Distribution Relays.
17680	*		*	*	*		Automatic Control Circuit of Periodic Metering Pulse Day and Night Pulse Rates.
17690					*		Electronic Regenerative Telegraph Repeater Block Schematic.
17700	*		*	*	*		Electronic Regenerative Telegraph Repeater Fuse and Alarm Panel. Panel Telegraph No. 95A and Miscellaneous Rack equip.
17710				*	*		Electronic Regenerative Telegraph Repeater Switching Unit. Panel Telegraph No. 94A.
17720	*		*	*	*		Electronic Regenerative Telegraph Repeater. Panel Telegraph 92A.
17730	*	*		*	*		Electronic Regenerative Telegraph Repeater Test Jack Panel. Panel Telegraph No. 96A.
17740	*		*	*	*		Electronic Regenerative Telegraph Repeater Power Panel for Six Repeaters. Panel Telegraph No. 93A.
17750			*		*		Electronic Regenerative Telegraphic Repeater By-pass Relay Circuit. Panel Telegraph No. 101A.
17760		*	*		*		Printergram Distribution Circuit.
17770			*		*		Automatic Telex System Master Clock.
17780					*		Electronic Regenerative Telegraph Repeater Functional Schematic and Explanatory Wave Form.
17790			*		*		Rack Common Services 20 Line Concentrator Exchange End.
17800				*	*		Pulse Generator.
17810	*	*	*	*	*		ATX System 100 O/L Final Selector.
17820			*	*	*		Routine Tester for 100 O/L Final Selector to Diagram GBW 17810.
17830			*		*		Rack Common Services Supervisory, Metering and Trunk Relay Set Rack.
17840					*		Rack Common Services Filter Rack.
17850	*	*	*	*	*		ATX System Test Final Selector 2000 Type.
17860	*		*	*	*		ATX System Test and Plug up Circuit with Call in Facility 2000 Type.

GBW DIAGRAM No	G B U	G B X	R C C L	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
17870		*	*	*	*		ATX System B/W Connecting Circuit.
17880	*	*	*	*	*		ATX System Calling Relay Set for Miscellaneous Speaker Circuit Terminated on Test Desk 2000 Type.
17890	*	*	*	*	*		ATX System Calling Relay Set Repeater Station Speaking Circuit Terminated on Test Desk 2000 Type.
17900	*	*	*	*	*		ATX System Relay Set for Telephone Exchange Lines Terminated on Test Desk.
17910		*	*	*	*		ATX System Test Desk Station Line Position Circuit.
17920			*	*	*		ATX System Test Trunk to ECB Terminated on Test Desk.
17930		*	*	*	*		ATX System Calling Circuit for Special Faults Telephone Terminated on Test Desk.
17940	*		*		*		ATX System Flicker Earth Generator Relay Set for Test Desk Equipment 2000 type.
17950			*				ATX System Test and Speaker Circuit.
17960			*	*	*		ATX System Test Desk Position Telephone Circuit.
17970	*		*	*	*		ATX System Station Line Circuit Terminated on Test Desk.
17980			*	*	*		ATX System Test Desk Closing Circuit.
17990					*		ATX System Test Desk Common Services.
18000			*	*	*		ATX System Tester for Supervisory an Metering Relay Set.
18010		*	*	*			ATX System Automatic Traffic Recorder.
18020			*		*		ATX System Auto Traffic Recorder Rack Common Services Access Control Equipment.

GBW DIAGRAM No	GBU	GBX	GL	RC	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE	GBW EQUIVALENT
								<u>GEO-THERMAL AREA DRAWINGS</u>	
19000				*	*	*		Test Desk Cord Circuits.	10452
19010		*	*	*	*	*		Switching Circuit for Transfer of Test Selector.	10470
19020		*	*	*	*	*		Test Rack Lines to Test Selector.	10841
19030	*	*	*	*	*	*		Faultmans Lines.	10490
19040		*	*	*	*	*		Service Telephone Interception.	10520
19050			*	*	*	*		Switching Key for NU Tone.	10530
19060	*		*	*	*	*		Test and Plugging-Up Lines.	10541
19070		*	*	*	*	*		Alarm Extension Originating Exchanges.	10570
19080		*	*	*	*	*		Alarm Extension.	10580
19090			*	*	*	*		Test Rack Test Circuit.	10591
19100		*	*	*	*	*		Transmission Testing of Subs Apparatus.	10610
19110	*		*	*	*	*		Graduated Howler.	10822
19120			*	*	*	*		Test Interception Circuit.	10950
19130			*	*	*	*		Test desk Night Alarm Circuit.	11010
19140		*	*	*	*	*		Test Desk Lines to Test Selector.	11432
19150			*	*	*	*		Test Desk Pilot and Night Alarm.	11441
19160			*	*	*	*		Test Desk Testing Circuit to TJF.	11471
19170			*	*	*	*		Tester for Rural Final Selectors.	11590
19180			*	*	*	*		6V AC Supply for FLS Equipment.	11980
19190		*	*	*	*	*		Fault Service Turret.	12511
19200		*	*	*	*	*		Concentrating and Busying Circuit.	12710
19210		*	*	*	*	*		Switchboard Supervisors Line Circuit	12770
19220			*	*	*	*		Position Circuit.	12811
19230			*	*	*	*		Call Supervisor Circuit.	12830
19240			*	*	*	*		Cord Circuit without Ringing Keys.	12840
19250		*	*	*	*	*		B/W Lines Supervisors Desk to Other Desks.	12880
19260		*	*	*	*	*		Order Wire Position Selecting Circuit.	12900
19270			*	*	*	*		Listening-in-Lines Supervisors Desk.	12910
19280		*	*	*	*	*		Directory Service Position Circuit.	12940
19290		*	*	*	*	*		Emergency Technicians Telephone Interception.	12970
19300		*	*	*	*	*		Auto Power Plant Control Cubicle.	
19310	*		*	*	*	*		O/G Junction Busying Circuits.	15740
19320			*	*	*	*		Tester for Line Fuses.	16080
19330			*	*	*	*		Chargeable Time Clocks.	16130
19340			*	*	*	*		Manual Board Night Alarm.	16140
19350		*	*	*	*	*		Supervisors I/C Line from Switchboard.	16190
19360		*	*	*	*	*		Test Desk Test Circuit.	16260
19370		*	*	*	*	*		Supervisors B/W Auto Line.	16360
19380			*	*	*	*		6V Supply Multiple Answering and VES Lamps.	12870
19390			*	*	*	*		Test Circuit for Receivers and Oscillators.	16570
19400				*	*	*		Externally Mounted Jacks, Dust Proofed Racks.	
19410				*	*	*		Ringing Tones & Pulses, Test, Control & Alarm Circuit.	
19420			*	*	*	*		Ringing Tones And Meter Pulse, Machine.	15241
19430			*	*	*	*		Routiner Duplicate Display for Group Selectors.	
19440			*	*	*	*		Routiner Duplicate Display for Final Selectors.	
19450			*	*	*	*		Routiner Duplicate Display for A/A Relay Sets.	
19460			*	*	*	*		Routiner Duplicate Display for DSR Ordinary and Coin Box 200 Outlet.	
19470			*	*	*	*		Audible & Visible Alarm Scheme for 2, 3 & 4 Floor Exchanges.	
19480			*	*	*	*		Tester for Auto-to-Auto Relay Sets with Revertive Ringing	
19490			*	*	*	*		Auto Telex Service VF Station Line Relay Unit.	

GBW DIAGRAM No	G B U	G B X	L C C R	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
20000							
20010							
20020							
20030							
20040							
20050							
20060							
20070							
20080							
20090							
20100	*	*	*		*		UAX NZ 13 O/G Junction Terminal UAX to Parent Exchange.
20110		*	*	*	*		Position Circuit with Key Sending SCS International Exchange.
20120		*	*	*	*		Test Desk Fault Control Centre Interposition Circuit Test and Miscellaneous Positions. 39 Positions Maximum.
20130			*		*		Ringing Tones & Meter Pulse Circuit with Auto Changeover.
20140	*		*		*		Manual Ring & Alarm Circuits 50/1200 Line PABX.
20160		*			*		Alarm Extension from TXE2 Exchange to Parent via late choice I/C Traffic Junctions or via separate Circuits.
20170		*	*		*		Test Desk Lines to Test Access Supy Relay Set at TXE2 type Exchanges.
20180	*	*	*	*	*		DSR Regular and Party Line with Overflow Routeing.
20181	*	*	*	*	*		DSR Regular and Party Line with Overflow Routeing.
20182	*	*	*	*	*		DSR Regular and Party Line with Overflow Routeing.
20183	*	*	*	*	*		DSR Regular and Party Line with Overflow Routeing.
20184	*	*	*	*	*		DSR Regular and Party Line with Overflow Routeing.
20190	*	*	*	*	*		DSR Coin Box with Overflow Routeing.
20191	*	*	*	*	*		DSR Coin Box with Overflow Routeing.
20192	*	*	*	*	*		DSR Coin Box with Overflow Routeing.
20193	*	*	*	*	*		DSR Coin Box with Overflow Routeing.
20194	*	*	*	*	*		DSR Coin Box with Overflow Routeing.
20200							
20210	*		*		*		Night Service Access Circuit 50/1200 Line PABX.
20220							
20230							
20240					*		Test Access Circuit for DCC/LD Sender International Exchange.
20250					*		Rack Common Services Auto Routiners 29 Racks 2000 Type.
20260			*		*		Tester for Measuring Pulse, Speed and Ratio.

GBW DIAGRAM No	G B U	G B X	R C L	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
10424			*				<u>MOD B</u> DSR Regular and Party Line 2000T with Grading Facility.
10440					*		<u>MOD A</u> Provides Rotary 4 Party Line Ringing.
10480					*		<u>MOD A</u> UP
10490			*		*		<u>MOD A</u>
10510							<u>MOD A</u> NA
10700			*		*		<u>MOD A</u> WLT
10700			*		*		<u>MOD B</u>
10730			*		*		<u>MOD A</u> WNC
10750		*			*		<u>MOD A</u>
10840							<u>MOD A</u>
10900			*		*		<u>MOD A</u> WNC 2
10901			*				<u>MOD A</u> CHC 2
10901			*				<u>MOD B</u> HNY
11090					*		<u>MOD A</u> Impulse Machine with Start & Alarm Circuit Auto Exch.
11120			*		*		<u>MOD A</u> LHT
11160					*		<u>MOD A</u>
11290	*						<u>MOD A</u>
11291	*						<u>MOD A</u>
11320			*		*		<u>MOD A</u>
11330			*		*		<u>MOD A</u> WNC
11340			*		*		<u>MOD B</u> WNC
11350			*		*		<u>MOD A</u> WN CEN 1
11430					*		<u>MOD B</u> WNC
11431					*		<u>MOD A</u> LHT Only
11450					*		<u>MOD A</u>
11460				*	*		<u>MOD A</u> POY Only
11480					*		<u>MOD A</u> CH HN AK UP
11600	*	*	*		*		<u>MOD A</u> AK
11750	*		*		*		<u>MOD A</u> For use with O/G Line Circuit NZSS AC2 System.
11790	*				*		<u>MOD A</u> For use on Combined 'R' and 'M' Racks.
11800	*				*		<u>MOD A</u> For use on Combined 'R' and 'M' Racks.
11870			*		*		<u>MOD A</u> DV
11870	*		*		*		<u>MOD B</u> For use at IN for Tiwai point.
11890			*		*		<u>MOD A</u> Directory Service or Fault Service Lines with or without N/S to WE Type Toll Board.
11890		*		*	*		<u>MOD B</u>

GBW DIAGRAM No	G B U	G B X	R C C L	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
12070					*		<u>MOD A</u> LYT
12090	*		*				
12100					*		<u>MOD A</u> WGC
12240			*		*		<u>MOD A</u> WRC WLT For use of VF Selector Level '0'.
12240			*		*		<u>MOD B</u> MNR For use of VF Selector Level '0'.
12240			*		*		<u>MOD C</u>
12260					*		<u>MOD A</u> For use with Battery Fed Busy Lamps or Busy Lamp Relay.
12280			*		*		<u>MOD A</u> For use in association with AC3 Relay Sets.
12330	*	*	*				<u>MOD B</u>
12330	*	*	*				<u>MOD C</u>
12380					*		<u>MOD A</u> AK DN PM
12490					*		<u>MOD A</u>
12570			*				<u>MOD A</u> '0' Level Relay Set from I/C VF Circuit.
12570			*		*		<u>MOD B</u>
12570			*		*		<u>MOD C</u> DV
12651					*		<u>MOD A</u> AT
12811			*		*		<u>MOD A</u> HN Toll Only.
12840					*		<u>MOD A</u> HN Toll Only.
12850			*		*		<u>MOD A</u> HN
12850			*		*		<u>MOD B</u> DV
12850	*				*		<u>MOD C</u>
13020			*		*		<u>MOD A</u>
13030			*		*		<u>MOD A</u> PHA Only.
13030	*	*	*		*		<u>MOD C</u> For 3-Wire Connection to Group Selector.
13050	*				*		<u>MOD A</u> DV
13050	*				*		<u>MOD B</u> HW Only.
13080					*		<u>MOD A</u>
13101			*				<u>MOD A</u> WLT Only.
13110					*		<u>MOD A</u> NA
13120	*				*		<u>MOD A</u> DV

GBW DIAGRAM No	G B U	G B X	L C C R	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
13150					*		<u>MOD A</u> PABX with Aux. Service.
13160					*		<u>MOD A</u> PABX with Aux. Service on Two Routes.
13180					*		<u>MOD A</u> PABX with Aux. Service.
13190					*		<u>MOD A</u> PABX with 'Out' Service on Two Routes.
13210					*		<u>MOD A</u> PABX with 'Out' Service on Two Routes.
13220							<u>MOD A</u> PABX to Magneto Main Exchange.
13220							<u>MOD B</u> PABX to Magneto Drop.
13220							<u>MOD C</u> PABX to LM Eric Main Exchange.
13220					*		<u>MOD D</u> PABX with 'Out' Service on Two Routes.
13260	*				*		<u>MOD A</u> PABX 20 Line Pulse Circuit.
13270					*		<u>MOD A</u> PABX with 'Out' Service on Two Routes.
13280					*		<u>MOD A</u> PABX 20 Rack Common Services with Auxiliary Services.
13300					*		<u>MOD A</u> PABX 35 Rack Common Services with Auxiliary Services.
13500					*		<u>MOD A</u>
13500					*		<u>MOD B</u> With CCB Barring.
13590		*	*		*		<u>MOD A</u> WLT 2 2-Wire connected.
13590					*		<u>MOD B</u>
13670			*		*		<u>MOD A</u> POUTO UAX Only for use with Radio Junc. Adaptor Cct NZPO 26106.
13760	*						<u>MOD B</u> NGATAPA UAX Only to Separate I/C & O/G Ccts to increase Junc. capacity without exceeding Unit Capacity.
13680			*				<u>MOD A</u> I/C Relay Set for Multi Party Line Unit UAX.
13700			*		*		<u>MOD A</u> TIRAUMEA Remote R-Unit.
13710			*		*		<u>MOD A</u> For Use at remote M-Units.
13730			*		*		<u>MOD A</u>
13770	*	*	*		*		<u>MOD A</u>
13780			*	*	*		<u>MOD A</u> UAX NZ 13 I/C Junc. from Parent or Non-Dependant Exch.
13820	*	*	*		*		<u>MOD A</u> Junction. Relay Set I/C from NEC Crossbar for WE BCS Switchboard.
13890	*	*	*		*		<u>MOD A</u>
13910					*		<u>MOD A</u> For 60 Line Circuits.
13910			*		*		<u>MOD B</u> For NZPO PABX Lines.
13950					*		<u>MOD A</u> With I/C Junction Barring Facility.
13950			*		*		<u>MOD B</u> With Fast Forward Busying Facility.
13950			*		*		<u>MOD C</u>
13960			*	*	*		<u>MOD A</u> UAX NZ 13 O/G Junction to Non-Dependant Auto to Traffic Exchange with I/C Junction Barring Facility.
14120							<u>MOD A</u> To Satellite PABX.
14120							<u>MOD B</u> At Satellite PABX.

GBW DIAGRAM No	G B U	G B X	L C C R	DIAGRAM NOTES	MICROFILM	NOTATION	TITLE
14150							<u>MOD A</u> PABX to Magneto Main Exchange
14170	*						<u>MOD A</u> to Satellite PABX <u>MOD B</u> at Satellite PABX <u>MOD C</u> to Satellite PABX <u>MOD D</u> at Satellite PABX <u>MOD E</u> at Satellite PABX <u>MOD F</u> at Satellite PABX
14300			*				<u>MOD A</u> Cover Equipment to Issue 3
14450					*		<u>MOD B</u>
14450					*		<u>MOD C</u>
14451					*		<u>MOD A</u> KEC B/W Junction Relay Set AMX - Toll Demand.
14451					*	S	<u>MOD B</u> See NZPO 31391/31392
14451					*		<u>MOD C</u> For Use on Carrier and Physical Junctions when simplex Tail or Physical Tail is used for dialling on Carrier Junction.
14550	*		*		*		<u>MOD A</u> PABX to 120, 135, 149 & 300 Type PABX.
14550	*		*		*		<u>MOD B</u> PABX to LM Eric. No. 9A and ATE No. 16.
14590			*				<u>MOD B</u> MNR POY RUE
14591	*		*		*		<u>MOD A</u>
14610			*		*		<u>MOD A</u>
14650			*				<u>MOD A</u> PABX Having 'Out' service on Two routes.
14650			*		*		<u>MOD B</u> PABX 20 Line Connecting Circuit.
14660					*		<u>MOD A</u> PABX Having 'Out' service on Two routes.
14660			*		*		<u>MOD B</u> PABX Having 'Out' service on Two routes.
14690					*		<u>MOD A</u> PABX for Magneto Main Exchange.
14690							<u>MOD B</u> PABX for Magneto WE Main Exchange.
14690							<u>MOD C</u> PABX for LM Eric Main Exchange.
14690	*				*		<u>MOD D</u> PABX Having 'Out' service on Three routes.
14690					*		<u>MOD E</u>
14690					*		<u>MOD F</u>
14710	*				*		<u>MOD A</u> PABX 20 Line Pulse Circuit.
14711							<u>MOD A</u> PABX 20 Line Pulse Circuit.
14720			*		*		<u>MOD A</u> PABX Having 'Out' service on Three routes.
14721			*		*		<u>MOD A</u> PABX Having 'Out' service on Three routes.
14760	*				*		<u>MOD A</u> With CCB & MP Discrimination Non-Dependant Non-Terminal Routes.
14770	*		*		*		<u>MOD A</u> CB Only.
14790			*				<u>MOD A</u> For use with F/S SW 8365 or Equiv.
14970					*		<u>MOD A</u> For use Auckland TMX (Emergency Service Auxiliary Relays).
14970			*		*		<u>MOD B</u>
14980					*		<u>MOD A</u> DV

GBW DIAGRAM No	G B U	G B X	R C C L	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
14980			*		*		<u>MOD B</u> Gateway Exchange.
14980			*		*		<u>MOD C</u>
14990			*		*		<u>MOD A</u> DV
15001	*	*	*	*	*		<u>MOD A</u> I/C Junction or Selector Level Relay Set from XBAR LX or SXS to GS3 Type TMX.
15200	*	*	*	*	*		<u>MOD A</u> With Splitting of Cord Circuit.
15220				*	*		<u>MOD A</u> PABX Magneto Main Exchange.
15220	*						<u>MOD B</u> PABX Drop Shutter Magneto Main Exchange.
15450	*		*		*		<u>MOD A</u> PAK
15450	*	*	*		*		<u>MOD B</u> Gateway.
15450	*		*		*		<u>MOD C</u> Selector Level or I/C Junc. Relay Set from NEC Crossbar.
15620			*		*		<u>MOD A</u> NZPO PABX Long Line Exchange Line Repeater.
15640	*				*		<u>MOD A</u> O/G Junction from WE BCS for use with O/G VF Line Cct.
15680							<u>MOD A</u>
15681			*				<u>MOD A</u>
15770	*				*		<u>MOD A</u> With Metering Equipment Removed.
16170							<u>MOD A</u>
16170							<u>MOD B</u>
16200	*		*		*		<u>MOD A</u> Two-wire Intermediate Pulse Repeater.
16260			*				<u>MOD A</u> Provides Rotary 4 Party Line Ringing.
16490			*		*		<u>MOD A</u> Dependant Exch O/G Line Cct. for B/W Junctions for use with I/C Line Circuit to Parent.
16530					*		<u>MOD A</u> Dependant Exch O/G Line Circuit for U/D Junction to Parent Exchange NZSS AC2T System.
16570					*		<u>MOD A</u> Test Circuit for Receivers and Oscillators.
16650	*	*	*		*		<u>MOD B</u> With call Count and Occupancy Time Metering.
16671	*	*			*		<u>MOD A</u>
16680			*		*		<u>MOD A</u> AK
16831			*		*		<u>MOD A</u> With Fast Forward Busyng Facility.
16840					*		<u>MOD A</u> With Reserve 6.3V Supply.
16850			*		*		<u>MOD A</u> DV
16990			*		*		<u>MOD A</u> Exchange Line Circuit 50/1200 Line PABX to Magneto Main Exchange.

	GBW DIAGRAM No	G B U	G B X	L C C R	D I A G R A M N O T E S	M I C R O F I L M	N O T A T I O N	T I T L E
	20100			*		*		<u>MOD A</u> Covers Equipment Supplied to Issue 3. Requires Modification prior to bringing into service.
	20184							<u>MOD B</u> DSR Regular and Party Line with Grading Facility and Overflow routeing facility.