

**SELECTORS AND 20-CAPACITY SELECTOR SHELVES**  
**NO. 1, 350A AND 702A PBX OFFICES**  
**EQUIPMENT DESIGN REQUIREMENTS**  
**STEP-BY-STEP AND PBX SYSTEMS**

**1. GENERAL**

**SCOPE**

**1.01** This specification, together with the supplementary information listed herein, covers the equipment design requirements for the manufacture and installation of local selectors and 20-capacity selector shelves, both single- and double-shelf units, for use in No. 1 and 350A offices and in 702A PBXs.

**1.02** This specification is reissued to add a note referring to the use of one half of a selector shelf for first selectors and the other half for other than first selectors and to extend drawing references.

**CAPACITY**

**1.03** The capacity of the selector shelves and frames is as follows:

Selectors per shelf	20
Single-selector shelves per 11-foot 6-inch bay	8
Single-selector shelves per 9-foot 0-inch bay	6
Double-selector shelves per 11-foot 6-inch bay	4
Double-selector shelves per 9-foot 0-inch bay	3

**DESCRIPTION**

**1.04** This specification covers both single- and double-shelf equipments for all 20-capacity shelves which mount local, toll, and intertoll selectors of whatever variety in No. 1 and 350A offices and in 702A PBXs. The association of these equipments with other equipments in an office is covered in the general specification for the office.

**1.05** The selector shelves in this specification use shelf frameworks 9 feet 1-1/4 inches long, arranged for use with a distributing terminal assembly. The single-shelf selector unit requires a mounting space of 1 foot 3 inches and the double-shelf selector unit requires a mounting space of 2 feet 6-3/4 inches.

**1.06** The 20-capacity single shelf mounts all varieties of local, toll, or intertoll selectors which use a short mounting plate, namely, 3-wire, 4-wire, digit absorbing, restricted service, local, incoming, toll intermediate, or intertoll.

**1.07** Each single-shelf unit is arranged to mount 20 selectors and two sets of banks and bank multiple, one for switches in positions 1 to 10 and the other for switches in positions 11 to 20. The shelf units are considered as left or right shelves according to whether they are arranged for mounting in the selector bay on the left or right of the distributing terminal assembly bay (which is part of each selector frame). On the left shelves, alarm and miscellaneous equipment is mounted at the left end of the shelf, and on the right shelf identical equipment is mounted at the right end of the shelf, looking at the front.

**1.08** The 20-capacity double-shelf unit for mounting 20 combined intertoll and toll transmission, toll transmission for completing intertoll calls, or regular toll transmission-type selectors, is for use primarily in No. 1 offices. This shelf is desirable where, due to large numbers of such switches per group requiring a large amount of intershelf bank multiplying, a DTA-type frame is utilized by the telephone company instead of a universal switch frame. This shelf mounts switch equipment in a manner similar to that described in 1.07.

1.09 All miscellaneous equipment of the shelf is mounted on horizontal mounting plates or panels, each 1 inch or 2 inches wide. A terminal strip is provided as part of the miscellaneous equipment for interconnecting alarm and miscellaneous shelf wiring to associated switch-board cable. A fuse panel is provided on each shelf.

1.10 All shelves are normally equipped before shipment with selector packs, 10- or 20-selector banks as required, miscellaneous and alarm equipment, and selectors as specified.

1.11 With the exception of the usual bank multiple, all local shelf wiring, including wiring from switch jacks and from miscellaneous alarm equipment to the miscellaneous terminal strip, is run as loose wiring. This wiring is contained within fanning rings provided behind each switch position and behind the mounting plate support bars.

1.12 When offices are arranged for noncommon control TOUCH-TONE® calling or common control, a new dial tone supply is necessary to ensure noninterference of dial tone with the frequencies generated by the TOUCH-TONE subset. The new dial tone is a relay rack unit per J86829B-( ), Power Systems Specification TOUCH-TONE Supply for Step-by-Step Offices, 807D Tone Power Supply.

(a) The unit consists of a 1VA amplifier unit, and four 35VA amplifier units. The 1VA amplifier serves a maximum of four 35VA amplifiers and is required all the time. Each 35VA amplifier serves 48 first selector shelves and is supplied as required. From each 35VA amplifier there are six tone supply leads, each one capable of serving eight first selector shelves maximum. The unequipped first selector shelves shall be counted as equipped first selector shelves. This assumption will prevent, where possible, the doubling of tone supply leads to the same bay.

(b) The tone supply lead is run in shielded cable and the shield is grounded at the 35VA amplifier and at the first shelf termination of each bay. The lead is run and grounding of the shield is done on the 98A repeat coil on the shelf. The tone lead is then multipled

to the other shelves as required (include unequipped shelf units) in shielded cable. The shielding and shield grounding is required to prevent interference between talking path leads and the dial tone supply leads as they parallel each other in the different lead runs.

(c) Although the new dial tone is necessary for noncommon control TOUCH-TONE calling or common control, these selectors associated with line groups serving the aforementioned must have their dial tone supply removed. The reason being, that in those cases dial tone is supplied to the subscriber by either the originating register in common control or TOUCH-TONE converters in noncommon control. There are two conditions encountered when removing dial tone from the first selectors and each one depends on the shelf condition.

(d) When a shelf is fully equipped with first selectors associated with line groups of TOUCH-TONE subscribers only or in offices converted from partial TOUCH-TONE to common control, the dial tone supply is removed from the selector on a shelf basis.

(e) When a shelf is not fully equipped with selectors serving line groups associated with TOUCH-TONE calling subscribers, the dial tone supply is individually removed from each of these selectors.

(f) For the purpose of distinction, dial tone existing prior to the new TOUCH-TONE type is referred to as "low-tone" type dial tone in the drawings associated with this specification.

## SUBDIVISION OF EQUIPMENT

### Bank Multiple

ED-30185-10 — 400-Point Selector Bank Multiple Equipment for Mounting on Existing Selector Frame With 3-Wire Distributing Terminal Assemblies

### Switches

ED-30200-02 — Local, Incoming, or Repeated Dialing Toll Train Selector — No. 1, 350A, or 355A Office

- ED-30976-01 — Digit-Absorbing Selector — Arranged To Absorb Digits Once or Repeatedly and To Return Overflow Signal on Specified Levels — Peg Count on Cut Through and Timed Release on Permanent Signal — No. 1, 350A, or 355A Office
- ED-31241-02 — A-B Toll Preceding Selector — No. 1, 350A, or 355A Office
- ED-31681-03 — Toll Transmission Selector — With Option for Absorbing Any First Digit — No. 1, 350A, or 355A Office
- ED-31723-01 — A-B Toll Transmission Selector With or Without Digit Absorbing on Specified Levels — No. 1, 350A, or 355A Office
- ED-31727-01 — Branch Office Selector — 350A or 355A Office
- ED-31744-01 — Toll Intermediate or Toll Incoming Selector — No. 1, 350A, or 355A Office
- ED-31745-01 — Toll Transmission Selector — Digit Absorbing — With or Without Coin Control — No. 1, 350A, or 355A Office
- ED-31841-01 — Toll Transmission Selector — Reverse Battery Supervision — Digit Absorbing — Coin or Non-coin — No. 1, 350A, or 355A Office
- ED-31915-01 — Toll Intermediate or Toll Incoming Selector — With or Without Digit Absorbing — No. 1, 350A, or 355A Office
- ED-32077-01 — Local or Incoming Selector — Repeated Dialing Toll Preceding Selector or 2-Party Message-Rate Selector — Arranged for Digit Absorbing — Timed Release on Permanent Signal — No. 1, 350A, or 355A Office
- ED-32183-01 — Digit-Absorbing Selector—Local or Incoming — Arranged To Absorb One or Two Digits and To Return No-Such-Number Tone or Paths-Busy Tone on Specified Levels — No. 1, 350A, or 355A Office
- ED-33001-01 — Toll Preceding Selector — For Use in Completing A-B Toll Calls, Arranged for Peg Count on Cut Through — To Absorb Digits Once and/or Repeatedly— No. 1, 350A, or 355A Office
- ED-33003-01 — Local, Incoming, or 2-Party Message-Rate Selector — Arranged To Restrict Service Over Any Specified Levels — No. 1, 350A, or 355A Office
- ED-33027-01 — Code Selector — No. 1, 350A, 355A, or 360A — Arranged To Absorb Digits Repeatedly and To Restrict Service Until a Digit Is Absorbed
- ED-55062-01 — Combined Intertoll and Toll Transmission Selector
- ED-55242-01 — Intertoll First, Auxiliary, or Intermediate Selector
- ED-64470-01 — Intertoll Selector
- ED-66256-02 — Restricted Service Selector — 702A PBX
- ED-95898-01 — Local or Incoming Code Selector — Arranged To Absorb Digits Once Only and/or Repeatedly and To Restrict Service Until a Digit Is Absorbed
- Shelf Units**
- J32302AW (AT&TCo Std) — Single-Selector Shelf — 20 Capacity — For Use on DTA Frames in No. 1 and 350A Offices and 702A PBXs — Left and Right (Arranged for Solderless Wrapped Connections)
- J32302AY (AT&TCo Std) — Double-Selector Shelf — 20 Capacity — For Use on DTA Frames in No. 1 and 350A Offices — Left and Right (Arranged for Solderless Wrapped Connections)
- J32302BA (AT&TCo Std) — Selector Bank Multiple Equipment (Solderless Banks)
- 2. SUPPLEMENTARY INFORMATION**
- 809-000-000 — PBX Systems Index
- 814-000-000 — Step-by-Step Systems Index
- AA128.006 — List of General Equipment Requirements Sections
- J32313 (814-400-150) — Multipling of Selector Trunks

- J38806 (814-402-150) — Selector Repeaters for No. 350A and 355A Offices
- J39206 (814-005-150) — General Specification for No. 1 and 350A Offices
- J61525 (AA261.017) — No. 1, 3, 3B, and 3C Toll Switchboards — Intertoll Dialing Equipment
- X-67142 — Manufacturing Testing Requirements for Selectors and Connectors

**Current Drain Data**

- SD-31359-02 — No. 1 Office
- SD-31364-02 — No. 350A Office
- SD-66382-01 — No. 702A PBX Office

**3. DRAWINGS**

WECO J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number. For additional drawings forming a part of this specification, see listings under Subdivision of Equipment.

- SD-31359-01 — No. 1 Office — Keysheet
- SD-31364-01 — No. 350A Office — Keysheet
- SD-32123-01 — Selector Bank Multiple
- SD-66382-01 — No. 702A PBX — Keysheet
- ED-30631-01 — Modification of Selector Bank Multiple Using Split Bank Multiple Assemblies
- ED-31274-10 — Selector Frame With DTA — Equipment
- ED-31274-11 — Selector Frame With DTA — Miscellaneous Terminal Strip Assembly, Equipment, Numbering, and Strapping
- ED-31274-12 — Selector Frame With DTA — Outgoing Terminal Strip Assembly, Equipment, and Numbering
- ED-31207-30 — Selector Frame With DTA — Low-Type Auxiliary Framing
- ED-31265-10 — Typical Shelf Wiring
- ED-31275-10 — Test Talking Line and Battery Jack Equipment for No. 1, 350A Offices, and 702 PBX
- ED-31285-30 — Selector Frame With DTA — Low-Type Auxiliary Framing
- ED-31295-10 }
  - 11 } Solderless Wrap Type DPTS
  - 12 } Information
  - 13 }
- ED-31295-14 }

- ED-31178-( ) — Universal Switch Frame Assembly
- ED-32283-10 — Selector Shelf Equipment — Stamping of Auxiliary Terminal Strips
- ED-32360-( ) — Switchboard Cabling Plan and Method of Running Power Feeders
- ED-64597-10 — Intertoll Dialing Miscellaneous Equipment for Switch Frames
- ED-95131-10 — Modular Fuse Blocks and Accessories for Fuse Panel Arrangements
- ED-30791-11 } Switchboard Cabling Plan and Method of Running Power
- ED-30791-13 } Feeders — For Selector Frame With DTA
- ED-30791-12 — Method of Running Jumpers for Selector Frame With DTA
- J32302AW-( ) — Single-Selector Shelf — 20 Capacity — For Use On DTA Frames in No. 1 and 350A Offices and 702A PBXs— Left and Right (Arranged for Solderless Wrapped Connections)
- J32302AY-( ) — Double-Selector Shelf — 20 Capacity — For Use on DTA Frames in No. 1 and 350A Offices — Left and Right (Arranged for Solderless Wrapped Connections)
- J32302BA-( ) — Selector Bank Multiple Equipment With DTA—Left or Right (Solderless Banks)

**4. EQUIPMENT**

**Bank Multiple**

- ED-30185-01 — 400-Point Selector Bank Multiple Equipment for Mounting on Existing Selector Frame with 3-Wire Distributing Terminal Assemblies*

**Switches**

- ED-30200-02 — Local, Incoming, or Repeated Dialing Toll Train Selector Equipment — 3 Wire—Arranged for Sleeve Repeating on Any or All Levels — No. 1, 350A, or 355A Office*

- ED-30976-01** — *Digit-Absorbing Selector — 3 or 4 Wire — Adjustable to Absorb Digits Once or Repeatedly and Return Overflow Signal on Specified Levels — Arranged for Peg Count on Cut Through— Usable as First Selector for 2-Party Message-Rate Service — Timed Release on Permanent Signal — No. 1, 350A, or 355A Office*
- ED-31241-02** — *A-B Toll Preceding Selector Equipment — 3 Wire — No. 1, 350A, or 355A Office*
- ED-31681-03** — *Toll Transmission Selector Equipment — 4 Wire — For Completing Intertoll Dialing Calls With or Without Digit Absorbing — No. 1, 350A, or 355A Office*
- ED-31723-01** — *A-B Toll Transmission Selector — 4 Wire — With or Without Digit Absorbing on Specified Levels — With or Without Repeating Coil Cutout — With or Without Coin Control — Loop Dialing Toll Train — No. 1, 350A, or 355A Office*
- ED-31727-01** — *Branch Office Selector Equipment — 4 Wire — 350A or 355A Office*
- ED-31744-01** — *Toll Intermediate Selector or Toll Incoming Selector Equipment — 4 Wire — No. 1, 350A, or 355A Office*
- ED-31745-01** — *Toll Transmission Selector Equipment — 4 Wire — With or Without Arrangement for Coin Control, Digit Absorbing, and Blocking — Toll Train With Line and Paths-Busy Flashes — No. 1, 350A, or 355A Office*
- ED-31841-01** — *Toll Transmission Selector Equipment — 4 Wire — Reverse Battery Supervision — Simplex Controlled Ringing or Temporary Automatic Start of Ringing — Arranged for Digit Absorbing and Blocking — Toll Train With Busy and Overflow Flashes — No. 1, 350A, or 355A Office*
- ED-31915-01** — *Toll Intermediate Selector or Toll Incoming Selector Equipment— 4 Wire—Arranged for Digit Absorbing and Blocking Until a Digit Is Absorbed — No. 1, 350A, or 355A Office*
- ED-32077-01** — *Local or Incoming Selector Equipment — 3 Wire or 4 Wire— Repeated Dialing Toll Preceding Selector or 2-Party Message-Rate Selector — Arranged for Digit Absorbing — Timed Release on Permanent Signal — Restricts Service Over Specified Levels — Busy Flash on Calls From Operator — No. 1, 350A, or 355A Office*
- ED-32183-01** — *Digit-Absorbing Selector Equipment — 3 Wire or 4 Wire — Local or Incoming — Arranged To Absorb One or Two Digits — To Return No-Such-Number Tone or Paths-busy Tone on Specified Levels for Peg Count on Cut Through and for Timed Release on Permanent Signal — No. 1, 350A, or 355A Office*
- ED-33001-01** — *Toll Preceding Selector Equipment — 3 Wire — For Use in Completing A-B Toll Calls — Arranged for Peg Count on Cut Through — To Absorb Digits Once and/or Repeatedly and To Return Busy Tone on Specified Levels — No. 1, 350A, or 355A Office*
- ED-33003-01** — *Local, Incoming, or 2-party Message-Rate Selector Equipment — 3 Wire or 4 Wire — Arranged To Restrict Service Over Any Specified Levels — For Peg Count on Cut Through and for Timed Release on Permanent Signal or Busy Flash on Calls From Operator — No. 1, 350A, or 355A Office*

**ED-33027-01** — *Code Selector — No. 1, 350A, 355A, or 360A — Arranged To Absorb Digits Repeatedly and To Restrict Service Until a Digit Is Absorbed*

**ED-55062-01** — *Intertoll, Dialing, Combined Intertoll, and Toll Transmission Selector Equipment — 4 Wire — With or Without Digit Absorbing — Arranged To Cut Out Repeating Coils on Calls to Intertoll Trunks or Selectors*

**ED-55242-01** — *Intertoll Dialing — First, Auxiliary, Intermediate, or Through Selector Equipment — 4 Wire — With or Without Digit Absorbing*

**ED-64470-01** — *Intertoll Dialing — Intertoll Selector Equipment — 4 Wire*

**ED-66256-02** — *First Selector Equipment — 3 Wire — Arranged for Restricted Service — 702A PBX*

**ED-95898-01** — *Local or Incoming Code Selector — Arranged To Absorb Digits Once Only and/or Repeatedly and To Restrict Service Until a Digit Is Absorbed*

**Shelf Units**

**J32302AW (AT&T Co Std)** — *Single-Selector Shelf — 20 Capacity — For Use on DTA Frames in No. 1 and 350A Offices and 702A PBXs — Left or Right (Arranged for Solderless Wrapped Connections)*

Equipment — J32302AW-( )  
Shelf Wiring — ED-31265-10

**List 1** — Framework, assembly, wiring, and common equipment for one left shelf of 20 selectors, less selectors, banks, and dial tone equipment.

Sel Ckts, Jk Wiring  
Universal for  
SD-30200-01, SD-30200-03,  
SD-30976-01, SD-31241-01,  
SD-31727-01, SD-31744-01,  
SD-31915-01, SD-32077-01,

SEE  
WIRE EQUIP NOTES

	WIRE	EQUIP	SEE NOTES
SD-32183-01, SD-33001-01, SD-33003-01, SD-33027-01, SD-55242-01, SD-64470-01, SD-66256-01, & SD-95898-01	20	20	A,C F&H
Sw Tbl Alm Ckt, SD-32043-01: Sel Rls Mag Alm Ckt, Fig. 4, 5, and D	1	1	E
Fuse Alm Ckt, Fig. 6	1	1	
Busy Keys, Fig. 8, 9, 15, or 19	1	1	
Guard Lamp, Fig. 20	1	1	

**List 2** — Framework, assembly, wiring, and common equipment for one right shelf of 20 selectors, less selectors, banks, and dial tone equipment. (This list is identical with list 1, except for shelf framework assembly and layout of equipment.)

**List 3** — Wiring and equipment per SD-32043-01, Fig. 1, J option and B, required in addition to list 1 or 2 for permanent signal alarm without dial tone. (See Notes B and G.)

**List 4** — Wiring and equipment per SD-32043-01, Fig. 1, J option, 2, and B, required in addition to list 1 or 2 when dial tone is required. (See Notes B and J.)

**List 5** — Wiring and equipment required in addition to list 1 or 2 for permanent signal for intertoll selectors per SD-32043-01, Fig. 1, 7, and B.

**List 8** — Assembly, wiring, and equipment per SD-32043-01, Fig. 22, F option, required in addition to list 1 or 2 to provide paths-busy tone supply on shelves equipped with such selectors as ED-32183-01, and arranged to return paths-busy tone on specified levels. (See Note K.)

**List 11** — Wiring and equipment per SD-32043-01, Fig. 1, H option only, required in addition to list 3 or 4 when automatic processing of first selector permanent signals is required (omit J option). (See Note M.)

**List 12** — Apparatus per SD-32043-01, Fig. 22, G option, required in addition to list 8 for prevention of talk over busy tone (omit F option). (See Note L.)

**J32302AY (AT&TCo Std) — Double-Selector Shelf — 20 Capacity — For Use on DTA Frames in No. 1 and 350A Offices — Left or Right (Arranged For Solderless Wrapped Connections)**

Equipment — J32302AY-( )  
Shelf Wiring — ED-31265-10

**List 1** — Framework, assembly, wiring, and common equipment for one left shelf of 20 toll transmission intertoll through or combined intertoll and toll transmission selectors, or 20 toll transmission selectors for completing intertoll calls, less selectors and banks.

	WIRE	EQUIP	SEE NOTES
Sel Ckts, Jk Wiring Universal for SD-31681-01, SD-31723-01, SD-31745-01, SD-31841-01, and SD-55062-01	20	20	A,D
Sw Tbl Alm Ckt, SD-32043-01:			
Sel Rls Mag Alm Ckt, Fig. 4, 5, and D	1	1	E
Fuse Alm Ckt, Fig. 6	1	1	
Busy Key, Fig. 9 or 19	1	1	
Guard Lamp, Fig. 20	1	1	

**List 2** — Framework, assembly, wiring, and common equipment for one right shelf of 20 selectors as indicated in list 1. (This list is identical with list 1, except for shelf framework assemblies and layout of equipment.)

**List 3** — Wiring and equipment per SD-32043-01, Fig. 12, required in addition to list 1 or 2 for providing ringing supply for toll transmission selectors.

**List 4** — Wiring and equipment required in addition to list 1 or 2 for permanent signal for intertoll selectors per SD-32043-01, Fig. 1, 7, and B.

**List 5** — Wiring and equipment required in addition to list 1 or 2 for permanent signal for other than intertoll selector per SD-32043-01, Fig. 1, 7, and B.

**J32302BA (AT&TCo Std) — Selector Bank Multiple Equipment With DTA — Left or Right (Solderless Banks)**

Equipment and Local Cable — J32302BA-( )

**List 1** — Assembly, wiring, and equipment for ten 300-point banks (41E upper and 42E lower) per SD-32123-01, Fig. 1, X and U options, for left shelf, switch positions 1 to 10.

**List 2** — Assembly, wiring, and equipment for ten 300-point banks (41E upper and 42E lower) per SD-32123-01, Fig. 1, X and U options, for left shelf, switch positions 11 to 20.

**List 3** — Assembly, wiring, and equipment for ten 300-point banks (41E upper and 42E lower) per SD-32123-01, Fig. 1, X and U options, for right shelf, switch positions 1 to 10.

**List 4** — Assembly, wiring, and equipment for ten 300-point banks (41E upper and 42E lower) per SD-32123-01, Fig. 1, X and U options, for right shelf, switch positions 11 to 20.

**List 5** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 42E lower) per SD-32123-01, Fig. 2, R and U options, for left shelf, switch positions 1 to 10.

**List 6** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 42E lower) per SD-32123-01, Fig. 2, R and U options, for left shelf, switch positions 11 to 20.

**List 7** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 42E lower) per SD-32123-01, Fig. 2, R and U options, for right shelf, switch positions 1 to 10.

**List 8** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 42E lower) per SD-32123-01, Fig. 2, R and U options, for right shelf, switch positions 11 to 20.

- List 9** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 62E lower) per SD-32123-01, Fig. 4, R and K options, for left shelf, switch positions 1 to 10.
- List 10** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 62E lower) per SD-32123-01, Fig. 4, R and K options, for left shelf, switch positions 11 to 20.
- List 11** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 62E lower) per SD-32123-01, Fig. 4, R and K options, for right shelf, switch positions 1 to 10.
- List 12** — Assembly, wiring, and equipment for ten 400-point banks (51E upper and 62E lower) per SD-32123-01, Fig. 4, R and K options, for right shelf, switch positions 11 to 20.

**Notes for J32302AW, J32302AY, and J32302BA**

- A. Selectors will mount on shelves equipped with banks as indicated in Table A.
- B. Where the ultimate number of first selectors will not exceed 200 and connection to PSB battery supply for first selectors is required, the shop shall omit the battery lead from the winding of the PS relay of SD-32043-01, Fig. 1, and the installer shall run the connection from the PSB fuse to the winding of the PS relay.
- C. When this shelf is equipped with selectors per SD-32077-01 or SD-33003-01 and restricted service is specified on all lines alike, a strap between terminals 6 and 9 of each shelf jack shall be furnished by the shop, as required.
- D. When this shelf is equipped with selectors per SD-31723-01, and they are not used with A-B toll preceding selectors, the adjustment of shelf jack springs 9 and 11 to make contact when the switch is removed from the shelf shall be omitted.
- E. When more than one release alarm relay circuit is required for peg count purposes, the additional circuits and associated mounting plate and relay equipment shall be furnished, as required, for each job.

- F. List 1 contains the shelf multiple wiring between terminals 3 of the shelf jacks. Where selectors requiring an M or R lead for operating the traffic register are furnished, the wiring from the shelf jacks to the miscellaneous terminal strip shall be added in accordance with the cabling diagrams of the associated circuit drawings.
- G. When list 3 is required, wiring per SD-32043-01, Fig. 21, shall be specified for connection of shelf jack 15 to ground.
- H. Paths-busy flash only per Fig. 15 is required on intertoll selectors per SD-55242-01 when used for CAMA.
- J. Mount a Zierick No. 122 lug on the 98A repeating coil provided in list 4 to facilitate termination of TT2 tone supply leads where TOUCH-TONE type dial tone is transmitted through first selectors.
- K. List 8 is not required for paths-busy indication for blocked calls on digit-absorbing selectors in step-by-step common control offices with controlled outpulsing.
- L. When list 12 is provided, the selector busy tone equipment must also be arranged for this feature.
- M. When one half of a shelf serves selectors requiring automatic processing of first selector permanent signals and the other one half of the shelf does not, list 11 is required and the J option of Fig. 1 per SD-32043-01, shall be provided by the installer for the selectors served by that half of shelf not requiring automatic processing of first selector permanent signals.

**5. GENERAL NOTES**

**List of A&M Only and Mfr Disc. Equipment**

The following equipment has been replaced as indicated. Where A&M Only items appear, the issue numbers shown are those of the issue in which the rating was first applied.

EQUIPMENT	RATING	DETAILS	
		LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J32302A	Mfr Disc.	4	J32302AL
J32302B	Mfr Disc.	4	J32302AM
J32302C	Mfr Disc.	4	J32302AL
J32302D	Mfr Disc.	4	J32302AM