

TRUNK FINDERS
SWITCH FRAME, INTERCEPTING TRUNKS AND
3-, 6-, AND 20-CAPACITY TRUNK FINDER SHELVES
EQUIPMENT DESIGN REQUIREMENTS
STEP-BY-STEP SYSTEMS

1. GENERAL

TABLE A

SCOPE

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the manufacture and installation of intercepting trunk and trunk finder units for handling intercepting traffic in No. 1, 350A, and 355A offices. Also, this specification covers the descriptive information for other intercepting trunk units per J33016, which are relay rack mounted, and for the 22-point trunk finder unit per J33020.

1.02 This specification is reissued:

- (a) To replace units J32008F and J32008K with a new unit J32008M. This change is in agreement with SD-32194-02, and SD-32239-02.
- (b) To modify shelves J32008A, J32008B, and J32008C to incorporate the above change.
- (c) To modify J32008J. This change is in agreement with SD-32531-01.
- (d) To add J32008N, J32008P, and J32008R.
- (e) To change 1.15, 1.16, and 1.17.
- (f) To add 1.18.
- (g) To change Notes 5.02 and 5.03.

CAPACITY

1.03 The capacities of the trunk finder units are as shown in Table A.

TRK FDR UNIT	UNIT PER UNIVERSAL SW FR		TRKS PER UNIT	SWS PER UNIT
	11 FT 6 IN.	9 FT 0 IN.		
J32008A 200 Point	3	2	198	20
J32008B 200 Point	3	2	160	20
J32008C 200 Point	3	—	160	20
J32008P 100 Point	—	—	70	3
J32008R 100 Point	—	—	70	6
J33020C 22 Point	—	—	22	3 (206 type)

1.04 Prior to the introduction of the automatic intercept system (AIS), subscribers who dialed a number that was unassigned or changed were routed either to a cord switchboard or to a recorded announcement to receive information and assistance on the procedure to be followed to properly complete the call. Equipment and engineering requirements for this service are described in 1.06 through 1.14. Step-by-step offices that are associated with an automatic intercept center (AIC) must be equipped with new trunk finder units and outgoing trunks that have been specifically engineered for AIS. These requirements are separate and distinct and are covered in 1.15 through 1.18.

NOTICE

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1.05 Offices that presently use operator intercept may be converted to automatic intercept. The requirements for the change are covered in Fig. 1, for automatic number identification type B (ANI-B), in Fig. 2, for No. 1 offices with automatic message accounting and in Fig. 3, for automatic number identification type C or D (ANI-C or ANI-D).

DESCRIPTION—OPERATOR INTERCEPT

1.06 The intercepting equipment covered in this specification provides facilities for handling intercepting traffic in No. 1, 350A, and 355A step-by-step offices whether served by machine announcements and/or by a switchboard located in the same building as the switching equipment or in a distant building. There are two different arrangements for this intercepting service, one which is ordinarily used for the No. 1 offices and for large unattended offices, and the other which is used for small unattended offices.

No. 1 and Large Unattended Offices

1.07 The arrangement for the central office and the larger unattended office applies to terminal-per-station (TPS) and terminal-per-line (TPL) service. It includes intercepting trunks for intercepting calls on nonworking connector terminals, vacant selector levels, and from plugging-up lines (lines in trouble). Means are provided for concentrating these intercepting trunks over a common group of outgoing intercepting trunks to a switchboard and/or announcement machine.

1.08 *Intercepting Trunk Finders:* The use of trunk finders avoids excessive numbers of interoffice cable pairs where intercepting service is provided at a distant building, and reduces the space required in the face equipment of the switchboard when it is located in the same building. A trunk finder unit using step-by-step switches, and with a capacity for 200 trunks, is available. A smaller unit using 206-type selectors has a capacity of 22 trunks and is covered in J33020. The intercepting trunks from connector terminals, local selector levels, toll selector levels, and plugging-up lines are connected to the banks of the trunk finders. Each trunk finder is connected to an outgoing intercepting trunk to the switchboard and/or announcement machine.

(a) The trunk finders of the step-by-step type are equipped with normal post springs which cause a lamp to be lighted at the switchboard on intercepted calls from plugged-up lines, and thus differentiate trouble from regular intercepted calls which light other lamps. It is thus necessary to segregate trunks from plugging-up lines in groups of 20 on particular levels of the upper and lower hundreds of the trunk finder banks.

1.09 *Intercepting Trunk Circuits for Large Offices:*

All intercepting trunk circuits are available in units arranged to mount on 23-inch relay rack bays, and are covered in J33016. The relay equipment for the intercepting trunks from individual or TPS connector terminals or from auxiliary intercepting trunks for 8-party TPL connector terminals, is mounted on the intercepting trunk finder units of the type using step-by-step switches, in the same manner as the line relays on line finder units. When this trunk finder unit is used with intercept trunks of types which mount on relay racks, the ST and CO relays on the trunk finder unit are omitted for the terminals associated with these relay rack mounted trunks. When the full capacity of trunks for a 200-point trunk finder unit is not required, the trunks should be equipped in the order 01 through 00, 11 through 19, 21 through 20, etc, up to 91 through 99; then 101 through 100, 111-119, etc, except where the use of normal post springs for particular levels in the upper and lower hundreds interferes with this sequence. When used with 22-point trunk finders, the units for intercepting trunks from connector terminals are located on 23-inch relay racks adjacent to their associated trunk finders.

(a) ***Other intercepting trunk units are available*** for intercepting from local and toll selector multiple plugging-up lines, and individual stations on multiparty TPL connector multiple. These connect to the outgoing trunk to the intercepting operator and/or announcement machine through trunk finders on 22-point trunk switches. These intercept units are mounted on the relay rack, and the ST and CO relays, on the trunk finder unit for the terminals associated with these trunks, are omitted. Where the switchboard, at which the intercepted calls are received, is located in a distant building, a 2-wire outgoing intercepting trunk terminated on the trunk finder jacks is required. One function of this trunk is to trip ringing during the ringing interval by means of a cold-cathode tube.

(b) *For intercepting individual stations on TPL connector multiple*, a TPS unit is provided. This unit identifies all calls to its associated station and intercepts them by comparing the station code with each code that is rung on the line.

1.10 *Methods of Distinguishing Different Kinds of Intercepted Calls:* Since all types of intercepted traffic are concentrated over the same trunks, it may be necessary for the intercepting operator to be able to distinguish readily between regular and trouble intercepting traffic, and between intercepted toll and local calls.

(a) *Where the switchboard is in a distant building*, each intercepting trunk appears through its associated incoming trunk at the switchboard in two lamp-equipped jacks used for answering. On intercepted calls from connector terminals and selector levels, the outgoing trunk lights one of the answering jack lamps, while on intercepted calls from plugging-up lines the lamp associated with the other answering jack is lighted. In each case, the operator answers at the jack associated with the lighted lamps.

(b) *Where the switchboard is in the same building with the switch equipment*, a 3-wire intercepting trunk is used to connect the intercepting trunk finders to the switchboard. This trunk is arranged to distinguish between regular and trouble intercepted calls by lighting different answering jack lamps at the switchboard in the same manner as the intercepting trunks described above.

(c) *Where it is required to distinguish between intercepted toll and local calls*, the operator receives a tone upon answering an intercepted toll call.

Small Unattended Offices

1.11 The arrangement for small unattended offices differs from that for No. 1 offices and for large unattended offices in that calls are ordinarily routed to the operator over the regular zero or operator office trunks, and no provision is made for toll differentiation, supervision, flashing, or trouble intercept. As described for the larger offices, provision is made for intercepting calls to a particular station on a working party line served by multiparty TPL connectors. Another feature

for small offices is a trunk switch, which is used to select an idle zero or operator office trunk to the distant switchboard. With the use of this switch, the interoffice trunks used for intercepting calls may also be used for other traffic. If the switch is omitted, it is necessary to provide interoffice trunks which are used exclusively for intercepting service.

(a) *In some cases, it may be desirable to handle the intercepting traffic of unattended dial offices from a centralized intercepting position* which is arranged to handle TPS intercepted traffic, and the intercepting operator is accustomed to all the standard intercepting features. In such cases, it is desirable that the same features be obtained from the unattended dial offices. Also, when TPL and TPS intercept services are provided in the same office, it is desirable from an operating standpoint that the same intercepting features be obtained from both types of intercept service. With the intercepting equipment covered herein, it is possible to handle the intercepted traffic from TPL connectors in No. 1, 350A, and 355A offices at an intercepting position in the same or distant office and obtain all the standard intercepting features provided for TPS traffic.

1.12 *Intercepting Trunk Circuits for Small Offices:* For intercepting connector terminals, toll selector levels, local selector levels involved in a directory error, and a particular station on a TPL party line, intercept trunks are available in units which mount on a 23-inch relay rack. These circuits connect to the banks of trunk finders or 22-point trunk switches. Where intercepting trunk finders are used, the intercepting trunk from TPS connector terminals, or from auxiliary intercepting trunks for 8-party TPL connector terminals, are mounted on the trunk finder unit. When other intercept trunks of the types mounted on relay racks are used, the ST and CO relays on the trunk finder unit are omitted for the terminals associated with these trunks. Each trunk finder is connected to an intercepting trunk of a type which trips ringing, and from there it connects either directly, or through a trunk switch, to the zero or operator office trunk. This trunk circuit is available on 23-inch relay rack units, both with and without the trunk switch.

(a) *When trunk finders are not provided*, the outgoing intercepting trunk circuit for

intercepting connector terminals is also omitted, and the connector terminals are connected directly to the tripping circuit, except for multiparty TPL lines, in which case the intercepting trunk must be provided whether or not trunk finders are provided. No intercepting or concentrating circuit is required for intercepting from local selector levels, which are connected directly to a zero or operator office trunk.

1.13 *Machine Announcement Intercepting:*

For multioffice areas, the 6A announcement system is available to provide a recorded message at regular intervals over the intercept trunks from the various offices. This is usable particularly for calls reaching vacant or disconnected numbers (see J95417).

(a) *For small offices, the 7A announcement system* may be used for machine announcements in intercept service. For information, see J33016, and Sections 951-116-100 and 814-011-170.

1.14 *Leave-Word Service (Provisional):* This circuit functions as a plugging-up line to intercept calls for a particular subscriber and route them to an operator, who can inform the calling subscriber where the called party may be reached.

DESCRIPTION—AUTOMATIC INTERCEPT

1.15 *Step-by-step No. 1 with AMA and step-by-step No. 1, 350, or 355A offices* equipped with ANI may be arranged to provide intercept service from an AIC. This type of service is available in both large and small offices whether attended or unattended.

1.16 *Intercepting Trunk Finders for AMA and ANI-B:* A trunk finder unit having a capacity of twenty 200-point step-by-step trunk finders and 160 auxiliary intercept trunks is provided to concentrate the traffic to outgoing intercept trunks. These trunks are connected to the AIC and are covered in J33016 for ANI-B and J38815 for AMA. Trunks from the vacant level of local and toll selectors are mounted miscellaneously and are assigned to terminals 11 through 10 and 111 through 110. Trunks from plugging-up lines are assigned to terminals 51 through 50 and 151 through 150.

1.17 *Intercepting Trunk Finders for ANI-C and ANI-D:* A trunk finder unit having a

capacity of three or six 100-point step-by-step trunk finders and 70 auxiliary intercept trunks, is provided to concentrate the traffic to outgoing intercept trunks. These trunks are connected to the AIC and are covered in J33016 for ANI-C and ANI-D. Trunks from the vacant level of local and toll selectors are mounted miscellaneously and are assigned to terminals 10 through 19. Trunks from plugging-up lines are assigned to terminals 00 through 09 and 50 through 59.

1.18 The step-by-step type trunk finders are equipped with normal post springs which cause the associated outpulser to generate the proper class-of-service indication to the AIS through the outgoing trunk.

(a) *For ANI-B and No. 1 With AMA Offices:*

Calls that reach unassigned connector terminals receive computer generated information, vacant selector levels are routed to a machine announcement, and plugged-up lines are answered by an operator.

(b) *For ANI-C or ANI-D Offices:* Calls that reach unassigned connector terminals may be routed to a local machine announcement (when so arranged) or an announcement for the AIC. Calls that reach connector terminals that have been recently changed are routed to the AIC and receive computer generated information. Vacant selector levels receive a machine announcement from the local office (when so arranged) or from the AIC. Plugging-up lines are answered by an operator.

2. SUPPLEMENTARY INFORMATION

814-000-000—Numerical Index—Step-by-Step Systems
 800-600-000—Checking List—General Equipment Requirements
 814-011-170—7A Announcement System—Machine Intercept Service—Engineering Information
 951-116-100—7A Announcement System—Machine Intercept in Small Dial Offices
 J32302—814-401-151—Selectors and 20-Capacity Selector Shelves
 J32310—814-401-150—Selectors and 10-Capacity Selector Shelves
 J33016—814-524-150—Intercepting Trunks—Relay Rack Units Using 2- by 23-Inch Mounting Plates
 J33020—814-425-150—Rotary Line Switch Units
 J34718—814-635-151—Line Finder and Trunk Finder

Test—50- and 200-Point Line Finders
 J38304—814-675-150—Alarm Equipment for Use in
 No. 1 and 350A Offices
 J38805—814-005-151—No. 355A Office
 J38815—814-509-150—Outgoing Trunk and Outputter
 Connector Frame
 J39206—814-005-150—No. 1 and 350A Offices
 J39210—814-008-150—Western Electric Company
 Equipment for 35E97 Offices
 J91101—814-050-150, 815-075-151, 816-028-151—
 Key pulsing or Dialing "A" Switchboard
 No. 15C
 J93005—814-026-150—Plugging-Up Frame
 J94710—804-910-150, 814-637-151—Trunk Test Set
 J95417—801-603-150—No. 6A Announcement Systems
 for Machine Intercept Service

3. DRAWINGS

For additional drawings forming a part of this specification, see listings under Subdivisions of Equipment and Detailed Index.

Keysheets

SD-31359-01—No. 1 Office
 SD-31364-01—No. 350A Office
 SD-31780-01—No. 355A Office

Circuits

SD-31840-01—Outgoing Trunk Circuit From Overflow
 Connector Terminals for Hospital,
 Fire, and Police Service
 SD-33013-01—Trunk Finder Circuit

Equipment

ED-30283-01—Designation Cards
 ED-31186-01—No. 355A Office—Typical Equipment
 Arrangement
 ED-31240-01—Line and Trunk Finder—Typical
 Frame Equipment
 ED-95131-10—Modular Fuse Blocks and Accessories
 for Fuse Panel Arrangements

Wiring and Cabling

ED-30278-01—MIR Tinsel Wiper Cords
 ED-30301-01—Cabling and Cross-Connection of

Vacant Level Tone and Intercepting
 Trunks—For Selector Frames With a
 Distributing Terminal Assembly
 ED-30301-02—Cabling and Cross-Connection of
 Vacant Level Tone and Intercepting
 Trunks—For Selector Frames Without
 a Distributing Terminal Assembly
 ED-30334-01—Cross-Connection of Line Circuits at
 CDF—Arranged for Cross-Connections
 of Protectors to Connector Terminals
 ED-30334-02—Cross-Connection of Line Circuits at
 CDF—Arranged for Cross-Connections
 of Protectors to Line Circuits
 ED-30411-01—Cross-Connection of Line Circuits
 Where HMDF Is Cabled to VIDF
 ED-30427-06—Cross-Connection of Line Circuit
 Where HMDF Is Cabled to HIDF
 ED-31235-01—Method of Wiring Banks—3- and
 4-Wire
 ED-31338-01—Appliance Outlets for Universal Switch
 Frames
 ED-32151-10—Local Cable—Line or Trunk Finder
 Unit—20-Finder Capacity—3- or
 4-Wire

4. EQUIPMENT

*ED-31178-01—Universal Switch Frame—7 Feet 0
 Inch, 9 Feet 0 Inch, or 11 Feet 6
 Inches High*

*ED-31231-01—End Guard Assemblies—For Universal
 Switch Frame*

ED-33013-01—3-Wire Trunk Finder

ED-33053-01—3-Wire Trunk Finder (AIS)

*J32008A—AT&T Co Std—Trunk Finder Shelf
 Unit—Arranged for 20 200-Point Trunk
 Finders—3-Wire—With Bank Multiple*

*List 2—Framework, assembly, wiring, and common
 equipment for one unit of 20 200-point,
 3-wire trunk finders including 20 sets of
 3-wire bank multiple and 9B commutators,
 but not including the ST and CO relays
 or the trunk finders.*

ringing without charging are required per connector group, equipment per SD-31337-01, Fig. 3 and SD-31840-01, Fig. 2 is required and is covered by J33016AN.

- B. When automatic disconnect of connectors feature is specified and plugging-up line circuits are used, equipment per SD-31337-01, Fig. 2 is required and is covered by J33016AM.

J32008H—AT&TCo Std—Fuses, Lamps, Jacks, and Keys Unit for Trunk Finder Units J32008A, J32008B, and J32008C

List 3—Assembly, wiring, and equipment for one unit of fuses, lamps, jacks, and keys for use with trunk finder units J32008A, J32008B, and J32008C.

	WIRE	EQUIP	NOTES
Sw Tbl Alm Ckt, SD-32239-02:			
Alm Lamps, Fig. 3	0	1	A
Fuse Alm, Fig. 2	0	1	
Gr and Alm Rel Ckt, SD-32194-02:			
Test Line Jks, Fig. 3	0	1	A
Lamps and Keys, Fig. 6	0	1	A

Note

- A. The wiring for these circuits is run in as loose wire during assembly of the line finder unit.

J32008J—AT&TCo Std—Auxiliary Intercept Trunk Unit for Connector Intercept for Use on Trunk Finder Unit J32008B

List 1—Assembly, wiring, and equipment for one unit of ten auxiliary intercept trunks for use with other than level hunting connectors per SD-32531-01, Fig. 1.

List 2—Assembly, wiring, and equipment for one unit equipped with one auxiliary intercept trunk for use with level hunting connectors per SD-32531-01, Fig. 5.

List 3—Wiring and equipment required in addition to list 2 for each additional auxiliary intercept trunk per SD-32531-01, Fig. 5 (a maximum of nine list 3 per one list 2).

Note

- A. List 2 is to be mounted in uppermost position on the shelf.

J32008L—AT&TCo Std—Auxiliary Intercept Trunk Unit for Connector Intercept for Use on Trunk Finder Unit J32008C

List 1—Assembly, wiring, and equipment for one unit of 20 auxiliary intercept trunks in accordance with SD-35015-01, Fig. 1 and option Y. (See Note A.)

Note

- A. Level-hunting connectors can be assigned to any of the top ten circuits of a unit by having the installer add option Z and remove option Y.

J32008M—AT&TCo Std—Switch Trouble Alarm, All Trunks Busy, and Group and Alarm Unit for Use on Trunk Finder Units J32008A, J32008B, and J32008C.

List 1—Assembly, wiring, and equipment for one alarm unit used on J32008A shelf.

	WIRE	EQUIP	NOTES
Gr & Alm Rel Ckt, SD-32194-02:			
Gr Alm, Fig. 1, With X App Start Ckt, Fig. 2, With Z Wrg Start Ckt, Fig. 2 Alt Ckt, Fig. 7	1 1 4 1	1 1 4 1	A
Sw Tbl Alm Ckt, SD-32239-02: Fig. 1, With Z App and With X App and Wrg	1	1	A

List 2—Assembly, wiring, and equipment for one alarm unit used on J32008B shelf.

	WIRE	EQUIP	NOTES
Frwk, ED-30754-70: G31		1	
Bk Mult Assy, 20 Sets of Bks and 20 9B Comm Only Wired per ED-31235-01: Fig. 5 & 5A	1	1	
Trk Fdr Ckt, SD-35045-01: Fig. 2, Shelf Jks Only	3	3	
Trk Ckt, SD-35042-01: Fig. 1 or 5	70	0	

J32008R—AT&TCo Std—Trunk Finder Shelf Unit—Arranged for 6 100-Point Trunk Finders—4-Wire—With Multiple Banks Arranged for Intercepting Service in ANI-C and ANI-D Offices to an Automatic Intercept System

List 1—Framework, assembly, wiring, and common equipment for one unit of 6 100-point, 4-wire trunk finders, including 6 sets of 4-wire bank multiple and 9B commutators.

	WIRE	EQUIP	NOTES
Frwk, ED-30754-70: G31		1	
Bk Mult Assy, 20 Sets of Bks and 20 9B Comm Only Wired per ED-31235-01: Fig. 2	1	1	
Trk Fdr Ckt, SD-35045-01: Fig. 2, Shelf Jks Only	6	6	
Trk Ckt, SD-35042-01: Fig. 1 or 5	70	0	

5. GENERAL NOTES AND INDEXES

5.01 *The intercepting trunks served by one trunk finder unit* whether located on the unit or on relay rack bays, are referred to as a trunk group, and the trunk finders required to serve a trunk group are referred to as a trunk finder group. A subgroup of trunks comprises

the 20 trunks served by the same G relay. Outgoing intercepting trunks from trunk finders are connected by direct cabling to the trunk finder units, and shall be numbered in accordance with the trunk finder to which they connect. The number of the trunk finder group shall also be stamped on each trunk unit. These designations are shown on the equipment drawings for the trunk units.

5.02 *The trunk finder bank multiple shall be cabled to the distributing frame* for the entire trunk finder group for regular intercept only. The intercept trunks from connector terminals, toll selector levels, and plugging-up lines shall be cabled to the same distributing frame and jumpered to the bank multiple terminations. This arrangement provides assignment flexibility in the trunk finder group and avoids cabling congestion at the bank multiple terminal strip which would occur with direct cabling. When more than one trunk finder unit is required, the trouble and regular intercepting trunks may be assigned to the different units as desired. In general, trouble intercepting trunks from plugging-up lines should be assigned to trunk positions on adjacent levels since these trunks do not require equipment on the relay bay of the trunk finder unit. In AIS systems, the levels associated with the auxiliary lines are not cabled to the distributing frame.

5.03 *Due to the slip in the bank wiring of the trunk finder units (no slip on AIS, ANI-C, or D), the same trunk will appear on different levels* of different trunk finders. It will therefore be necessary, where trunk finders arranged for discrimination between two different classes of trunks are provided, to see that the normal post springs operate on the proper level for each trunk finder. Trunk finders cannot be moved from one position to another in a unit without a readjustment of the normal post springs. Where 200-point trunk finders are used and level discrimination is required, care shall be exercised in assigning trunks to the trunk finder unit since the operation of the normal post springs will be effective for all trunks on the specified levels, in both the upper and lower hundreds.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J32008A,L1	Mfr Disc.	5	J32008A,L2
J32008B,L1	Mfr Disc.	5	J32008B,L2
J32008C,L1	Mfr Disc.	5	J32008C,L2
J32008E,L1			J32008E,L3
& L2	Mfr Disc.	2	& L4
L3			L7
& L4	Mfr Disc.	2	& L8
L5			
& L6	Mfr Disc.	2	J33016AN, L1
J32008F	Mfr Disc.	5	J32008M
J32008G	Mfr Disc.	2	J3200SH
J32008H,L1			
& L2	Mfr Disc.	5	J32008H,L3
J32008K	Mfr Disc.	5	J32008M

The above 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.

SUBDIVISIONS OF EQUIPMENT AND DETAILED INDEX

WE J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
ED-31178-01	Std	Universal Switch Frame	ED-31178-01	
ED-31231-01	Std	End Guard Assemblies — For Universal Switch Frame	ED-31231-01	
ED-33013-01	Std	3-Wire Trunk Finder	ED-33013-01	
ED-33053-01	Std	3-Wire Trunk Finder (AIS)	ED-33053-01	
J32008A	Std	Trunk Finder Shelf Unit — Arranged for 20 200-Point Trunk Finders — 3-Wire — With Bank Multiple	J32008A-()	SD-33013-01 SD-31337-01
J32008B	Std	Trunk Finder Shelf Unit — Arranged for 20 200-Point Trunk Finders — 3-Wire — With Multiple Banks Arranged for Intercepting Service in ANI-B Offices to an Automatic Intercept System	J32008B-()	SD-32531-01 SD-33053-01
J32008C	Std	Trunk Finder Shelf Unit — Arranged for 20 200-Point Trunk Finders — 3-Wire — With Multiple Banks Arranged for Intercepting Service in No. 1 With AMA Offices to an Automatic Intercept System	J32008C-()	SD-33053-01 SD-35015-01
J32008E	Std	Intercepting Trunk Relay Unit — For Use With Trunk Finder Unit J32008A	J32008E-()	SD-31337-01
J32008H	Std	Fuses, Lamps, Jacks, and Keys Unit for Trunk Finder Units J32008A, J32008B, and J32008C	J32008H-()	SD-32194-02 SD-32239-02
J32008J	Std	Auxiliary Intercept Trunk Unit for Connector Intercept for Use on Trunk Finder Unit J32008B	J32008J-()	SD-32531-01
J32008L	Std	Auxiliary Intercept Trunk Unit for Connector Intercept for Use on Trunk Finder Unit J32008C	J32008L-()	SD-35015-01
J32008M	Std	Switch Trouble Alarm, All Trunks Busy, and Group and Alarm Unit for Use on Trunk Finder Units J32008A, J32008B, and J32008C	J32008M-()	SD-32194-02 SD-32239-02 SD-32531-01 SD-35015-01

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J32008N	Std	Switch Trouble Alarm, and Group and Alarm Unit — Used With J32008P and J32008R Shelf	J32008N-()	SD-32194-02 SD-32239-02
J32008P	Std	Trunk Finder Shelf Unit — Arranged for 3 100-Point Trunk Finders — 4-Wire — With Multiple Banks Arranged for Intercepting Service in ANI-C and ANI-D Offices to an Automatic Intercept System	J32008P-()	SD-35045-01 SD-35042-01
J32008R	Std	Trunk Finder Shelf Unit — Arranged for 6 100-Point Trunk Finders — 4-Wire — With Multiple Banks Arranged for Intercepting Service in ANI-C and ANI-D Offices to an Automatic Intercept System	J32008R-()	SD-35045-01 SD-35042-01
J32008D	Reserved			

Circuit Schematic Index

CIRCUIT DRAWING	J32008 EQPT CODE
SD-33013-01	A
SD-31337-01	A, E
SD-32194-02	H, M, N
SD-32239-02	H, M, N
SD-32531-01	B, J, M
SD-33053-01	B, C
SD-35015-01	C, L, M
SD-35042-01	P, R
SD-35045-01	P, R

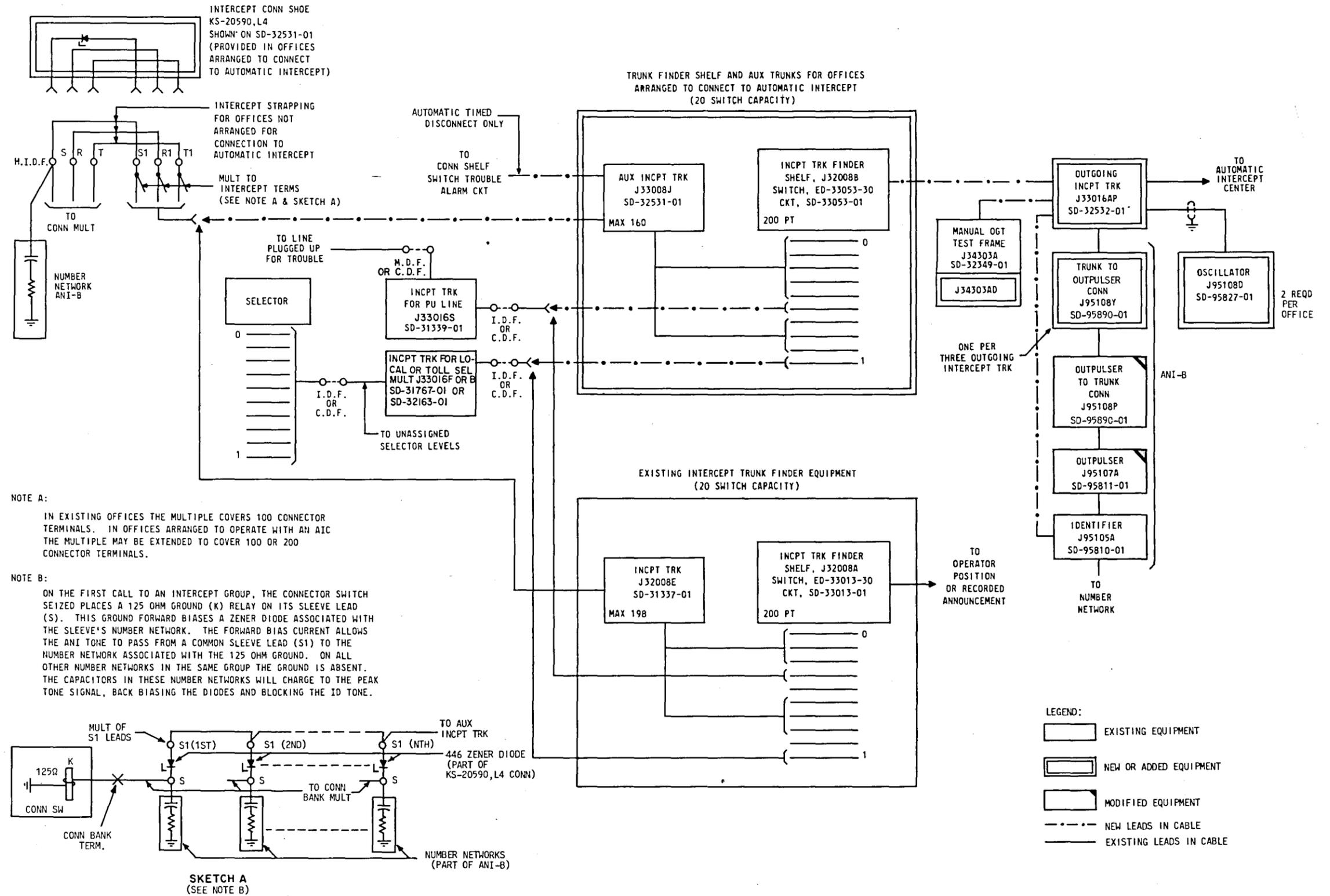


Fig. 1—Block Diagram Modification for Assignment to AIC

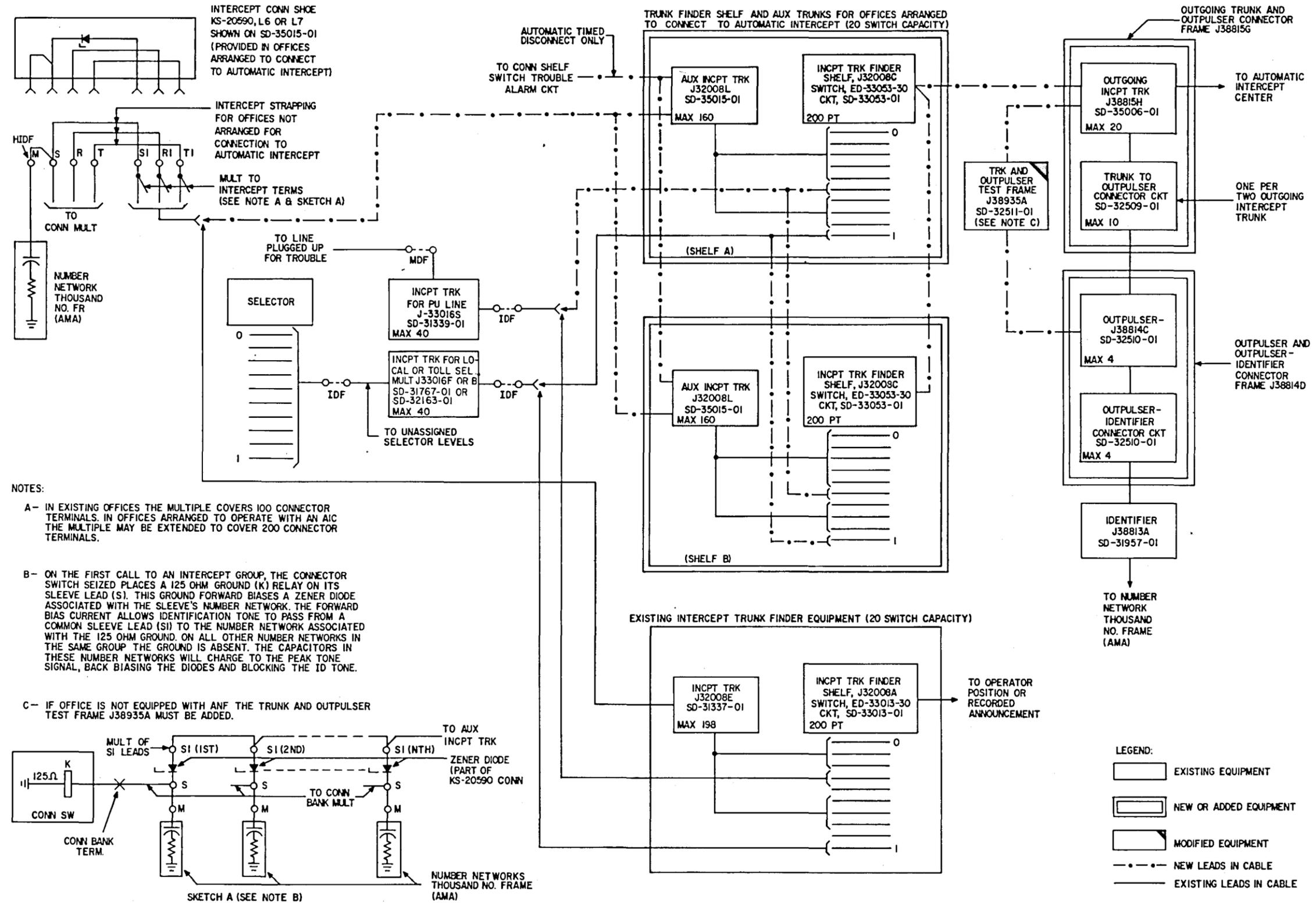


Fig. 2—Modification of Step-by-Step No. 1 With AMA for AIS

