

**OFFICE JUNCTOR REDISTRIBUTION PROCEDURES
FOR THE INSTALLATION OF ADDITIONS TO
CENTRAL OFFICES
EQUIPMENT DESIGN REQUIREMENTS
NO. 1 CROSSBAR SYSTEM**

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SUPPLEMENTARY INFORMATION

- 816-000-000—No. 1 Crossbar System Index
- J29254 (816-009-200)—Installation of Additions to Switching Equipment
(General discussion of various problems)
- J29256 (816-011-150)—Line Juncior Redistribution Procedures

1. GENERAL

1.1 Scope

1.11 This specification covers procedures for changing the office juncior distribution arrangements in No. 1 and tandem crossbar offices. These procedures are required for installing additional district link and office link frames in No. 1 offices or trunk link and office link frames in tandem offices. As a matter of convenience, the general discussion and detailed procedures listed herein refer only to district and office frames and make no mention of trunk link frames. Therefore, when using these procedures for making additions to tandem offices, all reference to district frames shall be considered as applying to trunk link frames as discussed in part 3.

1.12 The procedures covered herein provide for making additions of 2 district and 2 office frames or 4 district and 4 office frames to all offices. Additions of more than 4 district and 4 office frames to any existing office shall be referred to the Bell Telephone Laboratories, Inc. for recommended transition procedures.

1.2 Reason for Reissue

1.21 To add procedures for the addition of 2 district and 2 office frames to offices of the 2-2 district—office frame size.

1.22 To add procedures for the addition of 4 district and 4 office frames to offices of the 2-2, 4-4, 10-10, 14-14, and 16-16 district—office frame size.

1.23 To revise existing procedures and add new procedures as required by the reduction in office juncior availability covered by the new juncior assignment charts per ED-25012-01, Issue 6-D and ED-25016-01, Issue 7-D.

1.3 Description

1.31 The addition of district and office link frames usually requires a redistribution of the office junciors since the number of junciors per district per office must be correspondingly reduced to provide equal access between all district and office link frames. When juncior redistribution is involved, it will be necessary for a short period of time, to reduce the working office juncior group until the new assignment has been introduced and cut into service. The following paragraphs cover a general discussion of the procedures to be followed on additions involving office juncior redistribution.

1.32 Installation work for the addition of district and office link frames from the standpoint of office juncior redistribution is divided into the following three classifications:

(a) **Preliminary Work:** This involves the erection of all frameworks, running in and connecting all cables to the added equipments and installing and cutting in miscellaneous apparatus on existing equipment where it will not interfere with working circuits. A detailed discussion of this work is covered in paragraph 2.1.

(b) **Transitional Work:** It is during this phase of the addition that the added office frames are established in the working circuit pattern. This work involves completing the new office juncior assignment between the existing district frames and all office frames and, in some cases, the transfer of traffic load to the new office frames. Since it is necessary to remove some of the working equipment from service during the transition period, the procedures outlined herein are based on performing all of the transitional work in a single week end or light-load period. Detailed transition procedures for the various additions are covered in paragraph 2.3.

(c) **Clean-up Work:** This phase of the installation completes the new juncior assignment to the added district frames. It will also include the removal of abandoned cabling and jumpers, revision of battery distribution (if required) to conform to the new juncior distribution and, in some instances, the transfer of traffic load to the new equipments. A discussion of this work is covered in detail in paragraph 2.2.

1.33 The three divisions of work outlined above and covered in detail in part 2 are based on doing as much of the installation work as possible prior to the transition interval, and on keeping the transitional work to an absolute minimum to reduce, as much as possible, the interval during which the office must operate on reduced facilities. It is felt that this is the most practical division from the standpoint of general application, but certain deviations may be desirable in some cases depending on local job conditions. The preliminary and clean-up work covered in paragraphs 2.1 and 2.2 are applicable to all additions. All work which is required to complete the addition and which is not covered as preliminary or clean-up work in paragraphs 2.1 and 2.2, is included in the procedure for the particular addition in paragraph 2.3. As a result, there are some cases where it will not be necessary to complete, during the transition interval, all work listed under the transition procedure; in this case, the items which may be completed as additional preliminary or clean-up work are so indicated in the particular procedure. Certain of the items listed as preliminary work in paragraph 2.1 may be done as clean-up work if so desired or may be included as transitional work if time permits. Such items are so indicated in paragraph 2.1. Similarly, all items listed as clean-up work in paragraph 2.2 may be included in the transition interval if time permits. It may be desirable, where possible, to include all of the O.J.G.F. changes in the transition interval. The only compelling feature of the work division outlined herein is that all transitional work for the specific addition as covered in paragraph 2.3 must be completed during a single light-load period of about 40 hours. The number of jumpers which must be removed or added at the O.J.G.F. and at the district frame SHX terminal strips as a part of the transitional work for the various additions is shown in Fig. 1 as an aid in determining the manpower necessary during the transition interval.

1.34 All of the additions covered herein involve in each case a procedure which is basically the same. The transitional work for each job will, in general, require the following steps:

1.341 Step 1

1.3411 The object of this step is to remove from service all junctors required to establish the ultimate distribution pattern. The junctor assignment charts for offices having 20 or less junctors per district per office are arranged to indicate the junctors to be removed from service when converting to the next higher distribution arrangement. In other cases, the junctors to be removed from service are indicated on a conversion chart for the particular addition.

1.3412 These junctors are removed from service as follows:

(a) When the ultimate distribution will provide 20 or more junctors per district per office, the junctors required for the added frames are removed from service by blocking the markers to first subgroup junctors except when making additions to the 2-2 size or when converting from 4-4 to 6-6 as in Procedure 7.

(b) When the ultimate distribution will provide less than 20 junctors per district per office or in the exceptions referred to in paragraph (a) above, the junctors required for the added frames are removed from service by changing the marker pattern cross connections as required for the ultimate distribution size in accordance with note 180 of SD-25016-01. In addition, when converting to an 18-18 size, the junctors for the last pair of added frames are removed from service by using a make busy plug at the district frame switch vertical of the involved junctors and substituting a ground connection for the junctor test lead connection (sleeve lead) on the associated JC- relay contact at the district frame SHX terminal strips. The junctors requiring this treatment are designated on the 18-18 junctor assignment chart, Fig. 14.

(c) When making additions to the 12-12, 14-14, or 16-16 size, certain junctors not removed from service in paragraph (b) above, must be reconnected to different verticals at the district end, office end, or at both ends. These junctors are removed from service by inserting make busy plugs at the district frame switch verticals of the involved junctors. Ground must be maintained at the JC- relay contacts associated with all such junctors requiring reconnection at the district end so that the junctors will test busy during this period. This ground must be maintained until the junctor redistribution has been completed. The junctors requiring this treatment are indicated on the junctor assignment and conversion charts, and the details of making these changes are included in the procedures for the specific additions in paragraph 2.3.

1.3413 On additions where the junctors requiring redistribution are released from service by changing the marker pattern cross connections, it is recommended that these marker changes be made slightly in advance of the transition interval so as not to delay start of the O.J.G.F. changes required as a part of the transitional work. This should be accomplished by removing from service one marker at a time, changing its pattern cross connections as required to establish the ultimate pattern and returning the marker to service. This shall be repeated until all markers have

been changed and shall be completed just prior to the start of the transition interval. This will mean that for a few hours preceding the transition period, the existing district and office frames will be working on the junctor distribution which will be in effect at the completion of the addition. Where certain verticals must be reassigned as discussed in paragraph 1.3412 (c), the insertion of make busy plugs at the district verticals and the addition of temporary ground straps at the district frame SHX terminal strips may be done concurrently with the marker changes.

1.342 Step 2

1.3421 The object of this step is to disconnect jumpers associated with the juncctors removed from service in step 1.

1.3422 When making additions requiring junctor redistribution to offices having 20 or less juncctors per district per office, jumpers associated with the juncctors removed from service in step 1 shall be disconnected at both the O.J.G.F. and at the district link frame SHX terminal strips.

1.3423 When converting from 8-8 (with 25 juncctors per district per office) to 12-12, jumpers associated with juncctors connected to verticals 5 and 6 of all switches shall be disconnected at the district link frame SHX terminal strip.

1.343 **Step 3:** The object of this step is to establish in their ultimate pattern all juncctors between existing district frames and the added office frames. When converting to the 12-12 or higher sizes, jumpers shall be added at the district frame SHX terminal strip in addition to those at the O.J.G.F. to establish juncctors to added office frames using relays JC10 or higher. When making additions to the 4-4 and 6-6 sizes, the cross connections between JC- leads and windings of certain JC- relays on district frames 2 and 3 must be changed.

1.344 Step 4

1.3441 The object of this step is to test the juncctors established in step 3.

1.3442 The T and R leads of all new juncctors shall be buzz tested, and the sleeves shall be tested either from the originating trouble indicator frame using a marker that has been removed from service, or by making a continuity test between the district and office verticals and between district verticals and JC- relay contacts.

1.345 Step 5

1.3451 The object of this step is to transfer load to the added office frames. The per cent of office CCS load to be transferred to an added pair of frames will depend on the

ultimate number of office frames in service at the completion of the addition. Suggested methods for transferring load and the per cent of office CCS load to be transferred in each case are covered in paragraph 1.4.

1.3452 It will not be necessary in all cases to include this step as a part of the transitional work. Where it is considered necessary to include load transfer in the transition period, the detailed procedure for the particular addition in part 2.3 will so indicate. Where the transition procedure makes no mention of load transfer, it may be delayed until the start of the first light-load period following the transition interval. In no case, however, shall an office go through more than one busy-hour period without having load transferred to the added office frames, and it is recommended that this step be included as transitional work in all cases where time permits.

1.4 Transferring Load to Added Office Frames

1.41 Although there are various acceptable methods of transferring trunks to added office frames, the suggested method outlined below appears to be the most direct and to involve a minimum of time and effort. The procedure outlined below assumes that the trunk groups to be transferred have been bridged at the M.D.F. to their new locations as a part of the preliminary work outlined in paragraph 2.1 and that all trunks in a marker test group will be transferred. It would also be desirable to assign the trunks in their new location so as to retain their present TL, GS, and GE route relay cross connections so that only the office frame start ST cross connection need be changed. This, however, is not a requirement.

1.42 Trunk Groups With Alternate Routes

- (a) Make trunks busy at their old location.
- (b) Remove one marker from service, change route relay cross connections as required to find the trunks in their new location and return this marker to service.
- (c) Repeat step (b), one marker at a time, until all markers have been changed. During this period, the unmodified markers will complete calls via the alternate route, while the modified markers will use the first choice trunks in their new location.

1.43 Trunk Groups Without Alternate Routes

- (a) Make half of the trunks in the group busy at their old location. These trunks will be the first to be transferred to the added office frames.
- (b) Make the other half of the trunks in the group busy at their new location.
- (c) Remove one marker from service, change its route relay cross connections as re-

quired to find the trunks in their new location and return this marker to service.

(d) Repeat step (c), one marker at a time, until all markers have been changed. During this period, the unmodified markers will use half of the trunks in their old location and the modified markers will use the other half in their new location.

(e) Remove the busy condition added in step (b).

1.44 The following table indicates the per cent of office CCS load to be transferred to the added office frames.

Office Size at Completion of Addition	Per Cent Office CCS Load Transferred to Each Pair of Added Office Frames
4-4	50.0
6-6	33.3
8-8	25.0
10-10	20.0
12-12	16.6
14-14	14.3
16-16	12.5
18-18	11.1
20-20	10.0

1.5 Revision of Battery Distribution

1.51 On jobs where the associated office and district frame hold magnets are connected to the same fuse on the district frame, it will be necessary to change the battery distribution at the O.J.G.F. to the standard arrangement for the junctor distribution in service at the completion of the addition. This revision is not necessary where district and office frame hold magnets are fused separately.

1.52 To make this change, correspondingly numbered switches on all district and office frames shall be removed from service at the same time, removing only one switch on each frame at any one time.

1.6 Application of Transition Procedures

1.61 Ordinarily, the particular transition procedure to be followed will be determined by the number of district and office link frames being added and the junctor pattern in service at the time as covered in Table A. It has been determined, however, that offices in the range from 4-4 to 14-14 can operate with no degradation of service on the junctor distribution for the next larger size office. It is recommended therefore, subject to Telephone Company approval, that where an addition of 2 district and 2 office frames is being made to an office of the 2-2 to 12-12 size and will be followed in the future by another similar addition, the transition procedure for the addition of 4 district and 4 office frames be followed for the first addition. This will entirely eliminate the transition problem on the second addition.

TABLE A

PRESENT OFFICE		OFF. FRs. BEING ADDED	FOLLOW PROCEDURE
NO. OF OFF. FRs.	JUNCTORS PER DIST. PER OFF.		
2	100	2	1
2	100	4	2
2	60	2	3
2	60	4	4
4	50	2	5
4	50	4	6
4	40	2	7
4	40	4	8
4	30	2	*
4	30	4	9
6	33 or 34	2	10
6	33 or 34	4	11
6	30	2	12
6	30	4	13
6	25	2	*
6	25	4	14
8	25	2	15
8	25	4	16
8	20	2	*
8	20	4	17
10	20	2	18
10	20	4	19
10	16	2	*
10	16	4	20
12	16	2	21
12	16	4	22
12	14	2	*
12	14	4	23
14	14	2	24
14	14	4	25
14	12	2	*
14	12	4	26
16	12	2	27
16	12	4	28
18	11	2	29

*No transition procedure is required since the junctor pattern is arranged for the added frames.

2. **DETAILS OF OFFICE JUNCTOR REDISTRIBUTION:** The preliminary and clean-up work listed below applies to additions of all sizes. The preliminary work may be performed at any time prior to the transitional period.

2.1 **Preliminary Work:** The order in which the work is listed below is not intended to represent the installing sequence as this work may be performed in any desired order.

2.101 Erect the added office frames and attendant auxiliary framing. Added district frames may also be erected at this time although they are not required during the transitional period.

2.102 If markers are being added they shall be installed per J29254 as part of the preliminary work.

- 2.103 Establish the added office frames in the marker multiple. The marker multiple may be extended to the added district frames before or after the transitional period as desired.
- 2.104 The trunk groups to be transferred to the new office frames shall be bridged at the M.D.F. to their new locations on the added frames with 2-, 3-, or 4-wire jumpers depending on the type of trunk involved. This bridging will permit these trunk groups to be used in their present locations on existing office frames until such time during the transition procedure when marker route relays are changed to transfer the affected trunk groups to their new locations on the added office frames. A sufficient number of trunk groups shall be transferred to give each pair of new office frames a proportionate share of the office CCS load. The percentage of CCS load to be transferred to the additional frames is a function of the number of office frames in service at the completion of the addition and is covered in paragraph 1.4. In selecting the trunk groups to be transferred, consideration should be given to the anticipated growth of those groups remaining on the original frames. The above mentioned bridging can be done at any time prior to that step in the transition procedure which provides for transferring traffic to the new frames.
- 2.105 Run in and connect all cables to the new office frames. District frame cables may be run before or after the transitional period as desired.
- 2.106 Equip the O.J.G.F. per ED-25230-02 with terminal strips to accommodate cabling from the new office frames and solder down the new office frame cables to these added terminal strips.
- 2.107 Equip the O.J.G.F. per ED-25230-02 with terminal strips to accommodate cabling from the added district frames and solder down the new district frame cables to these added terminal strips. This may be done before or after the transitional period as desired.
- 2.108 Tag or otherwise identify all jumpers affected by the junctor redistribution to facilitate their removal during the transitional work.
- 2.109 If district frame cables and associated terminal strips have been added at the O.J.G.F., run in jumpers and solder down both ends to establish jumpers between the added office and district frames. These jumpers shall be added per ED-25012-01 or ED-25016-01 in accordance with the junctor arrangements that will be in use after the transition has been completed. This work may be performed either before or after the transitional period.
- 2.110 Run in all jumpers at the O.J.G.F. for the jumpers from new office frames to exist-

ing district frames. These jumpers shall be soldered down at the office frame end only. They shall be added per ED-25012-01 or ED-25016-01 in accordance with the junctor arrangement that will be in use after the transition has been completed. Jumpers for establishing jumpers from new district frames to existing office frames may be added either before or after the transitional period. If they are added before the transitional period, they shall be soldered down at the district frame end only.

2.111 Provide battery distribution straps, if required, at the O.J.G.F. for the added office frame verticals which are to be associated with existing district frames. (See paragraph 1.5.)

2.112 Modify the originating trouble indicator to accommodate the added link frames. The O.T.I. will be used during the transitional work to test the new junctor assignment.

2.113 Equip the markers with all new apparatus required for standard operation after the junctor redistribution has been completed. In some cases, part of the new pattern cross connections may be added as preliminary work if so desired. Where this is possible, the detailed transition procedures in paragraph 2.3 list the particular cross connections which may be added prior to the transition interval.

2.114 When the number of office frames in service at the completion of the addition will be 12 or more, add JC- relays on all existing district frames as required for office frames No. 10 and higher.

2.2 Clean-up Work

2.21 Solder down at the O.J.G.F. the leads in added district frame cables representing permanently cabled jumpers to existing office frames.

2.22 Connect the office frame end of any jumpered jumpers between the added district frames and existing office frames. The district frame ends of these jumpers were connected as preliminary work.

2.23 Complete any items listed in paragraph 2.1 which were not done during the preliminary or transitional periods.

2.24 On jobs where the associated office and district frame hold magnets are connected to the same fuse, change the battery distribution at the O.J.G.F. to the standard arrangement for the junctor distribution in service at the completion of the addition as covered in paragraph 1.5.

2.25 The remaining clean-up work will include removing abandoned junctor jumpers, removing jumpers from the old location of bridged trunks and adding new outgoing trunks to the office frames.

2.3 Transitional Work: All work listed in the following procedures shall be considered as transitional work unless otherwise indicated. All transitional work shall be done in the order listed except that work listed under the same paragraph number may be carried on concurrently unless otherwise specified. In the following procedures where reference is made to blocking markers to first subgroup junctors, proceed as follows:

1. Remove first marker from service.
2. Block relay CBA3 operated.
3. Block relays CBB1 and CBB4 nonoperated.
4. See that all CB- relays except CBA3 are normal.
5. Remove strap between terminals CB10 and CB11.
6. Add strap between terminals CB11 and CB12.
7. Return marker to service.
8. Repeat steps 1-7 for all other markers.

2.301 Procedure 1: Refer to Figs. 2, 3, and 5.

Preliminary Work

- 2.3011 Change markers to the 2-frame pattern per note 180 of SD-25016-01. This will include the addition of wiring per SD-25016-01, Fig. 38.
- 2.3012 Disconnect at O.J.G.F. all second and fifth subgroup junctors per Fig. 2 between district frames 0 and 1 and office frames 0 and 1. There are 160 of these 3-wire jumpers to be disconnected at both ends.
- 2.3013 Continue as in Procedure 3, paragraphs 2.3031 to 2.3034, incl.

2.302 Procedure 2: Refer to Figs. 2, 7, and 16.

Preliminary Work

- 2.3021 Change markers to the 2-frame pattern per note 180 of SD-25016-01. This will include the addition of wiring per SD-25016-01, Fig. 38.
- 2.3022 Disconnect at O.J.G.F. all second and fifth subgroup junctors per Fig. 2 between district frames 0 and 1 and office frames 0 and 1. There are 160 of these 3-wire jumpers to be disconnected at both ends.
- 2.3023 Continue as in Procedure 4, paragraphs 2.3041 to 2.3049, incl.

2.303 Procedure 3: Refer to Figs. 3 and 5.

Preliminary Work

2.3031 Refer to Fig. 5.

At O.J.G.F.

- (a) Connect leads in added office cables 2 and 3 representing 40 permanently cabled junctors to district frames 0 and 1.

- (b) Connect the district frame ends of the 120 first and second subgroup jumpered junctors between district frames 0 and 1 and office frames 2 and 3.

2.3032 Test newly established junctors. (See paragraph 1.3442.)

Transitional Work

- 2.3033 Change markers to the standard 4-4 pattern per note 180 of SD-25016-01. Cross connections per note 180(B) for the 4-frame size associated with JC- relays 2, 3, 8, and 9 may be run in as preliminary work if so desired.
- 2.3033 Transfer approximately 50 per cent of office CCS load to office frames 2 and 3. (See paragraph 1.4.)
- 2.3034 Disconnect at O.J.G.F. all third subgroup junctors between district frames 0 and 1 and office frames 0 and 1, Fig. 3. There are 80 of these 3-wire jumpers to be disconnected at both ends. This work may be performed as clean-up work if so desired.

2.304 Procedure 4: Refer to Figs. 7 and 16.

Preliminary Work

2.3041 Refer to Fig. 7.

At O.J.G.F.

- (a) Connect leads in added office cables 2 and 3 representing 40 permanently cabled junctors to district frames 0 and 1
- (b) Connect the district frame ends of the 40 first subgroup jumpered junctors between district frames 0 and 1 and office frames 2 and 3.
- (c) Connect the district frame ends of the 80 second subgroup junctors between district frames 0 and 1 and office frames 2, 3, 4, and 5.

2.3042 Test newly established junctors. (See paragraph 1.3442.)

Transitional Work

- 2.3043 Change markers to the standard 6-6 pattern per note 180 of SD-25016-01. All cross connections per note 180(C) for the 6-frame size and those cross connections per note 180(E) associated with JC- relays 2, 3, 8, and 9 may be run in as preliminary work if so desired.
- 2.3044 Transfer approximately 33.3 per cent of office CCS load to office frames 2 and 3. (See paragraph 1.4.)
- 2.3045 Disconnect at O.J.G.F. all second and third subgroup junctors between district frames 0 and 1 and office frames 0 and 1 except those marked with a circle in Fig. 16;

these latter junctors are reused in the ultimate 6-6 pattern and need not be disturbed. There are 120 of these 3-wire jumpers to be disconnected at both ends.

2.3046 (Refer to Fig. 7.)

At O.J.G.F.

- (a) Connect leads in added office cables 4 and 5 representing 40 permanently cabled junctors to district frames 0 and 1.
- (b) Connect the district frame ends of the 40 first subgroup jumpered junctors between district frames 0 and 1 and office frames 4 and 5.

2.3047 Test newly established junctors. (See paragraph 1.3442.)

2.3048 Transfer approximately 33.3 per cent of office CCS load to office frames 4 and 5. (See paragraph 1.4.)

2.3049 The work outlined in paragraphs 2.3045-2.3048 may be performed as clean-up work if so desired.

2.305 Procedure 5: Refer to Figs. 4 and 7.

2.3051 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3052

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel. D,2	On D,3	JC Rel. D,2	On D,3
4	6	7	4	5
5	7	6	5	4
6	4	5	8	9
7	5	4	9	8
8	8	9	6	7
9	9	8	7	6

- (b) Disconnect at O.J.G.F. all jumpers of second and third subgroup junctors of the 4-4 distribution, Fig. 4. There are 480 of these 3-wire jumpers to be disconnected at both ends.

2.3053 At the O.J.G.F. (Refer to Fig. 7):

- (a) Solder down the leads in added office cables representing 80 permanently cabled junctors to district frames 0-3.
- (b) Connect the district frame ends of the 160 first and second subgroup jumpered junctors between district frames 0-3 and office frames 4 and 5.
- (c) Connect both ends of the 160 second subgroup junctors between district frames 0-3 and office frames 0-3.

2.3054 Change markers, one at a time, to the standard 6-frame pattern per note 180 of SD-25016-01; this will include the addition of wiring per SD-25016-01 Fig. 38. This work may be carried on concurrently with that outlined in paragraphs 2.3052 and 2.3053.

2.3055 Remove blocking added in paragraph 2.3051 and return markers to service.

2.3056 Test newly established junctors. (See paragraph 1.3442.)

2.306 Procedure 6: Refer to Figs. 9, 17, and 27.

The work outlined in this procedure is divided into two steps. The first (Step A) establishes the first pair of added office frames (frames 4 and 5) in the ultimate 8-8 pattern and transfers load to these frames. The second (Step B) establishes and loads added office frames 6 and 7. All work covered under step A must be completed during the transition interval. The work under step B may be completed as the first item of clean-up work if so desired.

Step A

2.3061 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3062

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel. D,2	On D,3	JC Rel. D,2	On D,3
4	6	7	4	5
5	7	6	5	4
6	4	5	6	7
7	5	4	7	6
8	8	9	8	9
9	9	8	9	8

- (b) Disconnect at O.J.G.F. all jumpers of second and third subgroup junctors of the 4-4 distribution except those marked with a circle in Fig. 17. There are 460 of these 3-wire jumpers to be disconnected at both ends.

2.3063 (Refer to Figs. 9 and 27.)

At O.J.G.F.

(a) Solder down the leads in added office cables 4 and 5 representing 80 permanently cabled junctors to district frames 0-3.

(b) Connect the district frame ends of the 120 first and second subgroup jumpered junctors between district frames 0-3 and office frames 4 and 5.

(c) Connect both ends of all second subgroup junctors between district frames

0-3 and office frames 0-3 except those marked with a diamond in Fig. 27, these latter junctors are reused from the old 4-4 distribution and need not be disturbed. There is a total of 60 of these 3-wire jumpers to be connected at both ends.

2.3064 Change markers to the standard 8-8 pattern per note 180 of SD-25016-01. This will include the addition of wiring per SD-25016-01, Fig. 38. All cross connections per note 180(D) and those per note 180(C) associated with pattern relays P2 to P7 may be run in as preliminary work if so desired. All other cross connections for the 8-frame size must be completed at this time; this work, however, may be carried on concurrently with that outlined in paragraphs 2.3062 and 2.3063. After all preceding changes have been completed, remove blocking added in paragraph 2.3061 and return markers to service.

2.3065 Test newly established junctors. (See paragraph 1.3442.)

2.3066 Transfer approximately 25 per cent of office CCS load to office frames 4 and 5. (See paragraph 1.4.)

Step B

2.3067 (Refer to Fig. 9.)

At O.J.G.F.

(a) Solder down leads in added office cables 6 and 7 representing 80 permanently cabled junctors to district frames 0-3.

(b) Connect the district frame ends of the 120 first and second subgroup jumpered junctors between district frames 0-3 and office frames 6 and 7.

2.3068 Test newly established junctors. (See paragraph 1.3442.)

2.3069 Transfer approximately 25 per cent of office CCS load to office frames 6 and 7. (See paragraph 1.4.)

2.307 Procedure 7: Refer to Figs. 7 and 18.

Preliminary Work

2.3071 (Refer to Fig. 7.)

At O.J.G.F.

(a) Solder down leads in added office cables 4 and 5 representing 80 permanently cabled junctors to district frames 0-3.

(b) Connect the district frame ends of the 80 first subgroup jumpered junctors between district frames 0-3 and office frames 4 and 5.

2.3072 Test newly established junctors. (See paragraph 1.3442.)

Transitional Work

2.3073 Change markers to the standard 6-6 pattern per note 180 of SD-25016-01. Cross connections per note 180(C) and (E) for the 6-frame size may be run in as preliminary work if so desired.

2.3074 At O.J.G.F., disconnect all jumpers of second subgroup junctors marked with a diamond in Fig. 18. There are 160 of these 3-wire jumpers to be disconnected at both ends.

2.3075 At O.J.G.F., connect the district frame ends of the 80 second subgroup junctors between district frames 0-3 and office frames 4 and 5, Fig. 7.

2.3076 Test newly established junctors. (See paragraph 1.3442.)

2.3077 The work outlined in paragraphs 2.3073 to 2.3076 as well as the transfer of load to office frames 4 and 5 may be done as the first item of clean-up work if so desired.

2.308 Procedure 8: Refer to Figs. 9, 19, and 27.

Preliminary Work

2.3081 (Refer to Fig. 9.)

At O.J.G.F.

(a) Solder down leads in added office cables 4 and 5 representing 80 permanently cabled junctors to district frames 0-3.

(b) Connect the district frame ends of the 80 first subgroup jumpered junctors between district frames 0-3 and office frames 4 and 5.

2.3082 Test newly established junctors. (See paragraph 1.3442.)

Transitional Work

2.3083 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3084

(a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC D,2	Rel. On D,3	JC D,2	Rel. On D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

(b) Disconnect at O.J.G.F. all jumpers of second subgroup junctors except those marked with a circle in Fig. 19. There are 280 of these 3-wire jumpers to be disconnected at both ends.

2.3085 (Refer to Figs. 9 and 27.)

- (a) Solder down the leads in added office cables 6 and 7 representing 80 permanently cabled junctors to district frames 0-3.
- (b) Connect the district frame ends of the 80 first subgroup jumpered junctors between district frames 0-3 and office frames 6 and 7.
- (c) Connect the district frame ends of the 80 second subgroup junctors between district frames 0-3 and office frames 4-7.
- (d) Connect both ends of all second subgroup junctors between district frames 0-3 and office frames 0-3 **except** those enclosed in a heavy rectangle in Fig. 27; these latter junctors are reused from the old 4-4 distribution and need not be disturbed. There are 40 of these 3-wire jumpers to be connected at both ends.

2.3086 Change markers, one at a time, to the standard 8-frame size per note 180 of SD-25016-01. All cross connections per note 180(C), (E), and (F) for the 8-frame size may be run in as preliminary work if so desired. Cross connections per note 180(D) and (G) for the 8-frame size must be completed during the transition interval; this work, however, may be carried on concurrently with that outlined in paragraphs 2.3084 and 2.3085.

2.3087 Remove blocking added in paragraph 2.3083 and return markers to service.

2.3088 Test newly established junctors. (See paragraph 1.3442.)

2.3089 Transfer approximately 25 per cent of office CCS load to office frames 4 and 5. The transfer of load to office frames 6 and 7 may extend beyond the first busy-hour period if necessary. (See paragraphs 1.3452 and 1.4.)

2.309 **Procedure 9:** Refer to Figs. 9, 20 and 27. The preliminary work outlined below established the first pair of added office frames (frames 4 and 5) in the ultimate 8-8 pattern and transfers load to these frames. This preliminary work may be combined with the transitional work outlined in paragraphs 2.3094 to 2.3099 if so desired; in this case, the temporary ground straps referred to in paragraph 2.3091 (a) may be omitted.

Preliminary Work

2.3091

- (a) At SHX terminal strip of district frame 0-3, add temporary ground straps on those contacts of JC-relays 8 and 9 associated with second subgroup junctors to office frames 4 and 5 **not** marked with a circle in Fig. 20. There is a total of 40 contacts requiring this treatment.

At O.J.G.F. (Refer to Fig. 9.)

- (b) Solder down leads in added office cables 4 and 5 representing 80 permanently cabled junctors to district frames 0-3.
- (c) Connect the district frame ends of the 120 first and second subgroup junctors between district frames 0-3 and office frames 4 and 5.

2.3092 Test newly established junctors. (See paragraph 1.3442.)

2.3093 Transfer approximately 25 per cent of the office CCS load to office frames 4 and 5. (See paragraph 1.4.)

Transitional Work

2.3094 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3095

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel. D,2	On D,3	JC Rel. D,2	On D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

- (b) Disconnect at O.J.G.F. all jumpers of second subgroup junctors between district frames 0-3 and office frames 0-3 **except** those marked with a circle in Fig. 20. There are 120 of these 3-wire jumpers to be disconnected at both ends.

2.3096 At O.J.G.F. (Refer to Figs. 9 and 27):

- (a) Solder down the leads in added office cables 6 and 7 representing 80 permanently cabled junctors to district frames 0-3.
- (b) Connect the district frame ends of the 120 first and second subgroup jumpered junctors between district frames 0-3 and office frames 6 and 7.
- (c) Connect both ends of all second subgroup junctors between district frames 0-3 and office frames 0-3 **except** those marked with a circle in Fig. 27; these latter junctors are reused from the old 4-4 distribution and need not be disturbed. There are 40 of these 3-wire jumpers to be connected at both ends.

2.3097 Change markers, one at a time, to the standard 8-frame pattern per note 180 of SD-25016-01. All cross connections per note 180(D) and those cross connections per note 180(C) and (E) associated with pattern relays

P2 to P7 for the 8-frame size may be run in as preliminary work if so desired. Cross connections per note 180(C) and (E) associated with pattern relays P0 and P1, and all cross connections per note 180(F) and (G) for the 8-frame size must be completed during the transition interval; this work, however, may be carried on concurrently with that outlined in paragraphs 2.3095 and 2.3096.

2.3098

- (a) Remove blocking added in paragraph 2.3094 and return markers to service.
- (b) Remove temporary ground straps added in paragraph 2.3091(a).

2.3099 Test newly established junctors. (See paragraph 1.3442.)

2.310 Procedure 10: Refer to Figs. 9, 21, and 27.

2.3101 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3102

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel. D,2	On D,3	JC Rel. D,2	On D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

- (b) Disconnect at O.J.G.F. all jumpers of second and third subgroup junctors of the 6-6 distribution, Fig. 21, **except** those marked with a circle. There are 428 of these 3-wire jumpers to be disconnected at both ends.

2.3103 At O.J.G.F. (Refer to Figs. 9 and 27):

- (a) Solder down the leads in added office cables representing 120 permanently cabled junctors to district frames 0-5.
- (b) Connect the district frame ends of the 180 first and second subgroup jumpered junctors between district frames 0-5 and office frames 6 and 7.
- (c) Connect both ends of all second subgroup junctors between district frames 0-5 and office frames 0-5 **except** those enclosed in a heavy rectangle in Fig. 27; these latter junctors are reused from the old 6-6 distribution and need not be disturbed. There are 128 of these 3-wire jumpers to be connected at both ends.

2.3104 Change markers, one at a time, to the standard 8-frame pattern per note 180

of SD-25016-01; this will include the addition of wiring per SD-25016-01, Fig. 38. This work may be done concurrently with that outlined in paragraph 2.3102 and 2.3103.

2.3105 Remove blocking added in paragraph 2.3101 and return markers to service.

2.3106 Test newly established junctors. (See paragraph 1.3442.)

2.311 Procedure 11: Refer to Figs. 6 and 10.

2.3111 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3112

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel. D,2	On D,3	JC Rel. D,2	On D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

- (b) Disconnect at O.J.G.F. all jumpers of second and third subgroup junctors of the 6-6 distribution, Fig. 6. There are 480 of these 3-wire jumpers to be disconnected at both ends.

2.3113 At O.J.G.F. (Refer to Fig. 10):

- (a) Solder down the leads in added office cables representing 240 permanently cabled junctors to district frames 0-5.
- (b) Connect the district frame ends of 240 jumpered junctors between district frames 0-5 and office frames 6-9.

2.3114 Change markers, one at a time, to the standard 10-frame pattern per note 180 of SD-25016-01. This work may be carried on concurrently with that outlined in paragraphs 2.3112 and 2.3113.

2.3115 Remove blocking added in paragraph 2.3111 and return markers to service.

2.3116 Test newly established junctors. (See paragraph 1.3442.)

2.312 Procedure 12: Refer to Figs. 9, 20, and 27.

2.3121 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3122

- (a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel.	On	JC Rel.	On
	D,2	D,3	D,2	D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

(b) Disconnect at O.J.G.F. all jumpers of second subgroup junctors **except** those marked with a circle in Fig. 20. There are 240 of these 3-wire jumpers to be disconnected at both ends.

2.3123 At O.J.G.F. (Refer to Figs. 9 and 27):

(a) Solder down the leads in added office cables 6 and 7 representing 120 permanently cabled junctors to district frames 0-5.

(b) Connect the district frame ends of the 180 first and second subgroup jumpered junctors between district frames 0-5 and office frames 6 and 7.

(c) Connect both ends of all second subgroup junctors between district frames 0-5 and office frames 0-5 **except** those marked with a circle in Fig. 27; these latter junctors are reused from the old 6-6 distribution and need not be disturbed. There are 60 of these 3-wire jumpers to be connected at both ends.

2.3124 Change markers, one at a time, to the standard 8-frame pattern per note 180 of SD-25016-01. All cross connections per note 180(D) and those cross connections per note 180(C) and (E) associated with pattern relays P2 to P7 for the 8-frame size may be run in as preliminary work if so desired. Cross connections per note 180(C) and (E) associated with pattern relays P0 and P1, and all cross connections per note 180(F) and (G) for the 8-frame size must be completed during the transition interval; this work, however, may be carried on concurrently with that outlined in paragraphs 2.3122 and 2.3123.

2.3125 Remove blocking added in paragraph 2.3121 and return markers to service.

2.3126 Test newly established junctors. (See paragraph 1.3442.)

2.313 Procedure 13: Refer to Figs. 7 and 10.

2.3131 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3132

(a) Change cross connections between JC-relay windings and JC leads at MISC terminal strip on district frames 2 and 3 as follows:

Change JC Lead	From		To	
	JC Rel.	On	JC Rel.	On
	D,2	D,3	D,2	D,3
6	8	9	6	7
7	9	8	7	6
8	6	7	8	9
9	7	6	9	8

(b) Disconnect at O.J.G.F. all jumpers of second and third subgroup junctors of the 6-6 distribution Fig. 7. There are 360 of these 3-wire jumpers to be disconnected at both ends.

2.3133 At O.J.G.F. (Refer to Fig. 10):

(a) Solder down the leads in added office cables representing 240 permanently cabled junctors to district frames 0-5.

(b) Connect the district frame ends of 240 jumpered junctors between district frames 0-5 and office frames 6-9.

2.3134 Change markers, one at a time, to the standard 10-frame pattern per note 180 of SD-25016-01, remove blocking and return to service.

2.3135 Test newly established junctors. (See paragraph 1.3442.)

2.314 Procedure 14: Refer to Figs. 9 and 10.

2.3141 Block markers to first subgroup junctors. (See paragraph 2.3.)

2.3142 Disconnect at O.J.G.F. all jumpers of second subgroup junctors between district frames 0-5 and office frames 0-5, Fig. 9. There are 180 of these 3-wire jumpers to be disconnected at both ends.

2.3143 At O.J.G.F. (Refer to Fig. 10):

(a) Solder down leads in added office cables representing 240 permanently cabled junctors to district frames 0-5.

(b) Connect the district frame ends of 240 jumpered junctors between district frames 0-5 and office frames 6-9.

2.3144 Change markers, one at a time, to the standard 10-frame pattern per note 180 of SD-25016-01, remove blocking and return to service.

2.3145 Test newly established junctors. (See paragraph 1.3442.)

2.3146 In the above procedure, added office cables 6 and 7 and the district frame ends of all jumpered junctors between district frames 0-5 and office frames 6 and 7 may be connected at the O.J.G.F. as preliminary work if so desired.

2.315 Procedure 15: Refer to Figs. 8 or 9 and 10.

2.3151 Block markers to first subgroup junct-
tors. (See paragraphs 2.3 and 2.3154.)

2.3152 Disconnect at O.J.G.F. all jumpers of
second subgroup junct-
tors of the 8-8
distribution, Fig. 8 or 9. There are 320 of these
3-wire jumpers to be disconnected at both ends.

2.3153 At O.J.G.F. (Refer to Fig. 10):

(a) Solder down leads in added office cables
representing 160 permanently cabled
junctors to district frames 0-7.

(b) Connect the district frame ends of 160
jumped junct-
tors between district
frames 0-7 and office frames 8 and 9.

2.3154 Change markers, one at a time, to the
standard 10-frame pattern per note 180
of SD-25016-01, remove blocking and return to
service. Blocking per paragraph 2.3151 may be
eliminated, if so desired, by changing the mark-
ers to the standard 10-frame pattern just prior
to the start of the transition interval as dis-
cussed in paragraph 1.3413.

2.3155 Test newly established junct-
tors. (See
paragraph 1.3442.)

2.316 Procedure 16: Refer to Figs. 11 and 22
or 23. This procedure is divided into 2
steps. The first (Step A) establishes the first
pair of added office frames (frames 8 and 9)
in the ultimate 12-12 pattern and transfers load
to these frames. The second (Step B) estab-
lishes and loads added office frames 10 and 11.
All work covered under step A must be com-
pleted during the transition interval. The work
under step B may be completed as the first item
of clean-up work if so desired.

2.3161 Change markers to the standard 12-
frame pattern per note 180 of SD-
25016-01 just prior to the start of the transition
interval as discussed in paragraph 1.3413.

Step A

2.3162 (Refer to Fig. 22 or 23):

(a) At SHX terminal strip of district
frames 0-7, disconnect all single-wire
jumpers connecting verticals 5 and 6 of all
switches to contacts of JC- relays 0-9. There
are two of these jumpers per switch or 4
per JC- relay (total of 320) which must be
disconnected at both ends.

(b) Disconnect at O.J.G.F. all jumped
junctors marked with a diamond in Fig.
22 or 23. There are 576 of these 3-wire
jumpers to be disconnected at both ends.

2.3163 At O.J.G.F. (Refer to Fig. 11):

(a) Solder down leads in added office
cables 8 and 9 representing 160 perma-
nently cabled junct-
tors to district frames 0-7.

(b) Connect the district frame ends of 96
jumped junct-
tors between district
frames 0-7 and office frames 8 and 9.

2.3164 Test newly established junct-
tors. (See
paragraph 1.3442.)

2.3165 Transfer approximately 16.6 per cent
of office CCS load to office frames 8
and 9. (See paragraph 1.4.)

Step B

2.3166 (Refer to Fig. 11):

(a) At SHX terminal strip of district
frames 0-7, add jumpers to connect con-
tacts of JC-relays 10 and 11 to associated
hold magnets.

(b) Solder down at O.J.G.F. the leads in
added office cables 10 and 11 repre-
senting 160 permanently cabled junct-
tors to district frames 0-7.

(c) At O.J.G.F. connect the district frame
ends of 96 jumped junct-
tors between
district frames 0-7 and office frames 10
and 11.

2.3167 Test newly established junct-
tors. (See
paragraph 1.3442.)

2.3168 Transfer approximately 16.6 per cent of
office CCS load to office frames 10 and
11. (See paragraph 1.4.)

2.317 Procedure 17: Refer to Figs. 10 and 11.

The preliminary work outlined below
establishes the first pair of added office frames
(frames 8 and 9) in the ultimate 12-12 pattern
and transfers load to these frames. This prelimi-
nary work may be combined with the transitional
work outlined in paragraphs 2.3175 to 2.3179 if
so desired; in this case, the temporary ground
straps referred to in paragraph 2.3171 (b) may
be omitted.

Preliminary Work

2.3171 At SHX terminal strip of district
frames 0-7:

(a) Disconnect all single-wire jumpers on
contacts of JC- relays 8 and 9 associ-
ated with junct-
tors marked with a diamond
in Fig. 10. There are 64 of these jumpers
to be disconnected at both ends.

(b) Add temporary ground straps on the
64 JC- relay contacts referred to above.

2.3172 At O.J.G.F. (Refer to Fig. 11):

- (a) Solder down leads in added office cables 8 and 9 representing 160 permanently cabled junctors to district frames 0-7.
- (b) Connect the district frame ends of 96 jumpered junctors between district frames 0-7 and office frames 8 and 9.

2.3173 Test newly established junctors. (See paragraph 1.3442.)

2.3174 Transfer approximately 16.6 per cent of office CCS load to office frames 8 and 9. (See paragraph 1.4.)

Transitional Work

2.3175 Change markers to the standard 12-12 pattern per Note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413. Cross connections per Note 180 (C), (E), (F), and (G) of SD-25016-01 may be completed as preliminary work if so desired.

2.3176

- (a) Disconnect at O.J.G.F. all jumpered junctors to office frames 0-7 marked with a diamond in Fig. 10. There are 256 of these 3-wire jumpers to be disconnected at both ends.
- (b) At SHX terminal strip of district frames 0-7, disconnect all single-wire jumpers associated with junctors to office frames 0-7 marked with a diamond in Fig. 10. There are 256 of these jumpers to be disconnected at both ends.

2.3177 (Refer to Fig. 11):

At O.J.G.F.

- (a) Solder down leads in added office cables 10 and 11 representing 160 permanently cabled junctors to district frames 0-7.
- (b) Connect the district frame ends of 96 jumpered junctors between district frames 0-7 and office frames 10 and 11.

At SHX Terminal Strip of District Frames 0-7

- (c) Add jumpers to connect contacts of JC-relays 10 and 11 to their associated hold magnets.
- (d) Remove temporary ground straps added in paragraph 2.3171(b).

2.3178 Test newly established junctors. (See paragraph 1.3442.)

2.3179 Transfer approximately 16.6 per cent of office CCS load to office frames 10 and 11. (See paragraph 1.4.)

2.318 Procedure 18: Refer to Figs. 10 and 11.

2.3181 Change markers to the standard 12-frame pattern per note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413. Cross connections per note 180 (C), (E), (F), and (G) of SD-25016-01 for the 12-frame size may be run in as preliminary work if so desired.

2.3182 (Refer to Fig. 10):

- (a) At SHX terminal strip of district frames 0-9, disconnect all single-wire jumpers connecting verticals 5 and 6 of all switches to contacts of JC-relays 0-9. There are two of these jumpers per switch or four per JC-relay (total of 400) which must be disconnected at both ends.
- (b) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond in Fig. 10. There are 400 of these 3-wire jumpers to be disconnected at both ends.

2.3183 (Refer to Fig. 11):

- (a) Add jumpers at SHX terminal strip of district frames 0-9 to connect contacts of JC-relays 10 and 11 to associated hold magnets.
- (b) Solder down at O.J.G.F. the leads in added office cables representing 200 permanently cabled junctors to district frames 0-9.
- (c) At O.J.G.F. connect the district frame ends of 120 jumpered junctors between district frames 0-9 and office frames 10 and 11.

2.3184 Test newly established junctors. (See paragraph 1.3442.)

2.319 Procedure 19: Refer to Figs. 12 and 24. This procedure is divided into two steps. The first (Step A) establishes the first pair of added office frames (frames 10 and 11) in the ultimate 14-14 pattern and transfers load to these frames. The second (Step B) establishes and loads added office frames 12 and 13. All work covered under step A must be completed during the transition interval unless otherwise specified. The work under step B may be completed as the first item of clean-up work if so desired.

Step A

2.3191 Change markers to the standard 14-14 pattern per note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413. Cross connections per note 180 (C), (E), (F), and (G) of SD-25016-01 for the 14-frame size may be run in as preliminary work if so desired.

2.3192 (Refer to Fig. 24):

- (a) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond in Fig. 24. There are 600 of these 3-wire jumpers to be disconnected at both ends.
- (b) At SHX terminal strip of district frames 0-9, disconnect all single-wire jumpers associated with junctors marked with a diamond in Fig. 24. There are 600 of these jumpers to be disconnected at both ends.

2.3193 (Refer to Fig. 12):

- (a) At O.J.G.F. solder down leads in added office cables 10 and 11 representing 200 permanently cabled junctors to district frames 0-9.
- (b) Connect the district frame ends of 80 jumpered junctors between district frames 0-9 and office frames 10 and 11.
- (c) At SHX terminal strip of district frames 0-9, add jumpers to connect contacts of JC- relays 10 and 11 to their associated hold magnets.

2.3194 Test newly established junctors. (See paragraph 1.3442.)

2.3195 Transfer approximately 14.3 per cent of office CCS load to office frames 10 and 11. (See paragraph 1.4.)

Step B**2.3196 (Refer to Fig. 12):**

- (a) At SHX terminal strip of district frames 0-9, add jumpers to connect contacts of JC- relays 12 and 13 to their associated hold magnets.
- (b) Solder down at O.J.G.F. the leads in added office cables 12 and 13 representing 200 permanently cabled junctors to district frames 0-9.
- (c) At O.J.G.F. connect the district frame ends of 80 jumpered junctors between district frames 0-9 and office frames 12 and 13.

2.3197 Test newly established junctors. (See paragraph 1.3442.)

2.3198 Transfer approximately 14.3 per cent of office CCS load to office frames 12 and 13. (See paragraph 1.4.)

2.320 **Procedure 20:** Refer to Figs. 11 and 12. The preliminary work outlined below establishes 10 junctors from each of existing district frames 0-9 to the first pair of added office frames (frames 10 and 11) and transfers load to

these frames. This preliminary work may be combined with the transitional work outlined in paragraphs 2.32005 to 2.32010 if so desired; in this case, the temporary ground straps referred to in paragraph 2.32001(b) may be omitted.

Preliminary Work

2.32001 At SHX terminal strip of district frames 0-9 (Refer to Fig. 11):

- (a) Add jumpers to connect contacts of JC- relays 10 and 11 to their associated hold magnets which are permanently wired at the O.J.G.F. (verticals No. 5 only). There are 10 such jumpers to be added on each JC- relay.
- (b) Add temporary ground straps on those contacts of JC- relays 10 and 11 associated with junctors marked with a diamond in Fig. 11. (Two ground straps per JC- relay: total 40.)
- (c) Add temporary ground straps on those contacts of JC- relays 10 and 11 associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 11. (Total 80.)

2.32002 At O.J.G.F., solder down leads in added office cables 10 and 11 representing 200 permanently cabled junctors to district frames 0-9.

2.32003 Test newly established junctors. (See paragraph 1.3442.)

2.32004 Transfer approximately 10 per cent of office CCS load to office frames 10 and 11. (See paragraph 1.4.)

Transitional Work

2.32005 Change markers to the standard 14-14 pattern per Note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413. Cross connections per Note 180 (D), (F) and (G) of SD-25016-01 may be completed as preliminary work if so desired.

2.32006

- (a) Disconnect at O.J.G.F. all jumpered junctors to office frames 0-9 marked with a diamond in Fig. 11. There are 200 of these 3-wire jumpers to be disconnected at both ends.
- (b) At SHX terminal strip of district frames 0-9, disconnect all single-wire jumpers associated with junctors to office frames 0-9 marked with a diamond in Fig. 11. There are 200 of these jumpers to be disconnected at both ends.

2.32007 (Refer to Fig. 12):

At O.J.G.F.

- (a) Solder down leads in added office cables 12 and 13 representing 200 permanently cabled junctors to district frames 0-9.
- (b) Connect the district frame ends of 160 jumpered junctors between district frames 0-9 and office frames 10, 11, 12, and 13.

At SHX Terminal Strip of District Frames 0-9

- (c) Add jumpers to connect contacts of JC- relays 12 and 13 to their associated hold magnets.
- (d) Remove temporary ground straps added in paragraph 2.32001(b).

2.32008 Connect the 80 JC- relay contacts temporarily grounded in paragraph 2.32001(c) to vertical No. 7 and remove temporary ground straps.

2.32009 Test newly established junctors. (See paragraph 1.3442.)

2.32010 Transfer load to office frames 12 and 13 and transfer additional load to office frames 10 and 11 so that each pair of added office frames is carrying about 14.3 per cent of the office CCS load. This work may extend beyond the first busy-hour period following the transition interval if necessary. (See paragraphs 1.345 and 1.4.)

2.321 Procedure 21: Refer to Figs. 11 and 12.

2.3211 The work outlined in this paragraph may be done immediately preceding the transition interval so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs. (See paragraph 1.3413.) Item (b) shall be completed before starting item (c).

- (a) Change markers to the standard 14-14 pattern per note 180 of SD-25016-01. Cross connections per note 180 (D), (F), and (G) of SD-25016-01 for the 14-frame size may be completed as preliminary work if so desired.
- (b) Insert make busy plugs at all district frame verticals associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 11. There is a total of 176 such junctors to be made busy at the district frame verticals.
- (c) At SHX terminal strip of district frames 0-11, add temporary ground straps on all JC- relay contacts associated with junctors, the district ends of which are enclosed in a heavy rectangle in Fig. 11, and remove the jumpers now on these con-

tacts. There is a total of 96 contacts requiring this treatment.

2.3212

- (a) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond as well as those having either or both ends enclosed in a heavy rectangle in Fig. 11. There are 464 of these 3-wire jumpers to be disconnected at both ends.
- (b) At SHX terminal strip of district frames 0-11, disconnect all single-wire jumpers associated with junctors marked with a diamond in Fig. 11. There is a total of 288 of these jumpers to be disconnected at both ends.

2.3213 (Refer to Fig. 12):

- (a) At O.J.G.F. solder down leads in added office cables representing 240 permanently cabled junctors to district frames 0-11.
- (b) Connect the district frame ends of 96 jumpered junctors between district frames 0-11 and office frames 12 and 13.
- (c) Connect both ends of junctors made busy in paragraph 2.3211(b) to change the district and/or office verticals enclosed in heavy rectangles in Fig. 11 from vertical No. 6 to No. 7. There are 176 of these 3-wire jumpers which must be connected at both ends.
- (d) At SHX terminal strip of district frames 0-11, add jumpers to connect contacts of JC- relays 12 and 13 to their associated hold magnets.

2.3214 Connect the 96 JC- relay contacts temporarily grounded in 2.3211(c) to vertical No. 7 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.3215 Test newly established junctors. (See paragraph 1.3442.)

2.322 Procedure 22: Refer to Figs. 13 and 25.

This procedure is divided into two steps. The first (Step A) establishes the first pair of added office frames (frames 12 and 13) in the ultimate 16-16 pattern and transfers load to these frames. The second (Step B) establishes and loads added office frames 14 and 15. All work covered under step A must be completed during the transition interval unless otherwise specified. The work under step B may be completed as the first item of clean-up work if so desired.

Step A

2.3221 The work outlined in this paragraph may be done immediately preceding the transition interval so as to be completed

just prior to the start of the transitional work outlined in subsequent paragraphs. (See paragraph 1.3413.) Item (b) must be completed before starting item (c).

(a) Change markers to the standard 16-16 pattern per note 180 of SD-25016-01. Cross connections per note 180 (D), (F), and (G) of SD-25016-01 for the 16-frame size may be completed as preliminary work if so desired.

(b) Insert make busy plugs at all district frame verticals associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 25. There is a total of 88 such junctors to be made busy at the district frame verticals.

(c) At SHX terminal strip of district frames 0-11, add temporary ground straps on all JC- relay contacts associated with junctors, the district ends of which are enclosed in a heavy rectangle in Fig. 25, and remove the jumpers now on these contacts. There is a total of 48 contacts requiring this treatment.

2.3222 (Refer to Fig. 25):

(a) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond as well as those having either or both ends enclosed in a heavy rectangle in Fig. 25. There are 664 of these 3-wire jumpers to be disconnected at both ends.

(b) At SHX terminal strip of district frames 0-11, disconnect all single-wire jumpers associated with junctors marked with a diamond in Fig. 25. There are 576 of these jumpers to be disconnected at both ends.

2.3223 (Refer to Fig. 13):

(a) At O.J.G.F. solder down leads in added office cables 12 and 13 representing 240 permanently cabled junctors to district frames 0-11.

(b) Connect the district frame ends of 48 jumpered junctors between district frames 0-11 and office frames 12 and 13.

(c) Connect both ends of junctors made busy in 2.3221(b) to change the district and/or office verticals enclosed in heavy rectangles in Fig. 25 from vertical No. 6 to No. 8. There are 88 of these 3-wire jumpers which must be connected at both ends.

(d) At SHX terminal strip of district frames 0-11, add jumpers to connect contacts of JC- relays 12 and 13 to their associated hold magnets.

2.3224 Connect the 48 JC- relay contacts temporarily grounded in 2.3221(c) to verti-

cal No. 8 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.3225 Test newly established junctors. (See paragraph 1.3442.)

2.3226 Transfer approximately 12.5 per cent of office CCS load to office frames 12 and 13. (See paragraph 1.4.)

Step B

2.3227 (Refer to Fig. 13):

(a) At SHX terminal strip of district frames 0-11, add jumpers to connect contacts of JC- relays 14 and 15 to their associated hold magnets.

(b) Solder down at O.J.G.F. the leads in added office cables 14 and 15 representing 240 permanently cabled junctors to district frames 0-11.

(c) At O.J.G.F. connect the district frame ends of 48 jumpered junctors between district frames 0-11 and office frames 14 and 15.

2.3228 Test newly established junctors. (See paragraph 1.3442.)

2.3229 Transfer approximately 12.5 per cent of office CCS load to office frames 14 and 15. (See paragraph 1.4.)

2.323 Procedure 23: Refer to Figs. 12 and 13.

The preliminary work outlined below establishes 10 junctors from each of existing district frames 0-11 to the first pair of added office frames (frames 12 and 13) and transfers load to these frames. This preliminary work may be combined with the transitional work outlined in paragraphs 2.32305 to 2.32310 if so desired; in this case, the temporary ground straps referred to in paragraph 2.32301(b) may be omitted.

Preliminary Work

2.32301 At SHX terminal strip of district frames 0-11 (Refer to Fig. 12):

(a) Add jumpers to connect contacts of JC- relays 12 and 13 to their associated hold magnets which are permanently wired at the O.J.G.F. (verticals No. 6 only). There are 10 such jumpers to be added on each JC- relay.

(b) Add temporary ground straps on those contacts of JC- relays 12 and 13 associated with junctors marked with a diamond in Fig. 12 (two ground straps per JC- relay: total 48).

(c) Add temporary ground straps on those contacts of JC- relays 12 and 13 associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 12. (Total 48.)

2.32302 At O.J.G.F., solder down leads in added office cables 12 and 13 representing 240 permanently cabled junctors to district frames 0-11.

2.32303 Test newly established junctors. (See paragraph 1.3442.)

2.32304 Transfer approximately 10.5 per cent of office CCS load to office frames 12 and 13. (See paragraph 1.4.)

Transitional Work

2.32305 The work outlined in this paragraph may be done immediately preceding the transition interval as discussed in paragraph 1.3413 so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs. Item (b) must be completed before starting item (c).

(a) Change markers to the standard 16-16 pattern per Note 180 of SD-25016-01. Cross connections per Note 180 (D), (F), and (G) of SD-25016-01 for the 16-frame size may be completed as preliminary work if so desired.

(b) Insert make busy plugs at all district frame verticals associated with junctors to office frames 0-11 having either or both ends enclosed in a heavy rectangle in Fig. 12. There is a total of 88 such junctors to be made busy at the district frame verticals.

(c) At SHX terminal strip of district frames 0-11, add temporary ground straps on all JC- relay contacts associated with junctors to office frames 0-11, the district ends of which are enclosed in a heavy rectangle in Fig. 12, and remove the jumpers now on these contacts. There is a total of 48 contacts requiring this treatment.

2.32306

(a) Disconnect at O.J.G.F. all jumpered junctors to office frames 0-11 marked with a diamond as well as those having either or both ends enclosed in a heavy rectangle in Fig. 12. There are 376 of these 3-wire jumpers to be disconnected at both ends.

(b) At SHX terminal strip of district frames 0-11, disconnect all single-wire jumpers associated with junctors to office frames 0-11 marked with a diamond in Fig. 12. There are 288 of these jumpers to be disconnected at both ends.

2.32307 (Refer to Fig. 13):

At O.J.G.F.

(a) Solder down leads in added office cables 14 and 15 representing 240 permanently cabled junctors to district frames 0-11.

(b) Connect the district frame ends of 96 jumpered junctors between district frames 0-11 and office frames 12, 13, 14, and 15.

(c) Connect both ends of junctors made busy in paragraph 2.32305(b), to change the district and/or office verticals enclosed in heavy rectangles in Fig. 12 from vertical No. 7 to No. 8. There are 88 of these 3-wire jumpers to be connected at both ends.

At SHX Terminal Strip of District Frames 0-11

(d) Add jumpers to connect contacts of JC- relays 14 and 15 to their associated hold magnets.

(e) Remove temporary ground straps added in paragraph 2.32301(b).

2.32308 Connect the 96 JC- relay contacts temporarily grounded in paragraphs 2.32301(c) and 2.32305(c) to vertical No. 8 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.32309 Test newly established junctors. (See paragraph 1.3442.)

2.32310 Transfer load to office frames 14 and 15 and transfer additional load to office frames 12 and 13 so that each pair of added office frames is carrying about 12.5 per cent of the office CCS load. This work may extend beyond the first busy-hour period following the transition interval if necessary. (See paragraphs 1.345 and 1.4.)

2.324 Procedure 24: Refer to Figs. 12 and 13.

2.3241 The work outlined in this paragraph may be done immediately preceding the transition interval as discussed in paragraph 1.3413 so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs. Item (b) must be completed before starting item (c).

(a) Change markers to the standard 16-16 pattern per note 180 of SD-25016-01. Cross connections per note 180 (D), (F), and (G) of SD-25016-01 for the 16-frame size may be completed as preliminary work if so desired.

(b) Insert make-busy plugs at all district frame verticals associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 12. There is a total of 192 such junctors to be made busy at the district frame verticals.

(c) At SHX terminal strip of district frames 0-13, add temporary ground straps on all JC- relay contacts associated

with junctors, the district ends of which are enclosed in a heavy rectangle in Fig. 12, and remove the jumpers now on these contacts. There is a total of 112 contacts requiring this treatment.

2.3242

(a) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond as well as those having either or both ends enclosed in a heavy rectangle in Fig. 12. There are 584 of these 3-wire jumpers to be disconnected at both ends.

(b) At SHX terminal strip of district frames 0-13, disconnect all single-wire jumpers associated with junctors marked with a diamond in Fig. 12. There are 392 of these jumpers to be disconnected at both ends.

2.3243 (Refer to Fig. 13):

(a) At O.J.G.F. solder down leads in added office cables representing 280 permanently cabled junctors to district frames 0-13.

(b) Connect the district frame ends of 56 jumpered junctors between district frames 0-13 and office frames 14 and 15.

(c) Connect both ends of junctors made busy in 2.3241(b) to change the district and/or office verticals enclosed in heavy rectangles in Fig. 12 from vertical No. 7 to No. 8. There are 192 of these 3-wire jumpers to be connected at both ends.

(d) At SHX terminal strip of district frames 0-13, add jumpers to connect contacts of JC- relays 14 and 15 to their associated hold magnets.

2.3244 Connect the 112 JC- relay contacts temporarily grounded in 2.3241(c) to vertical No. 8 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.3245 Test newly established junctors. (See paragraph 1.3442.)

2.3246 Transfer approximately 12.5 per cent of office CCS load to office frames 14 and 15. (See paragraph 1.4.)

2.325 Procedure 25: Refer to Figs. 14 and 26.

This procedure is divided into two steps. The first (Step A) establishes the first pair of added office frames (frames 14 and 15) in the ultimate 18-18 pattern and transfers load to these frames. The second (Step B) establishes and loads added office frames 16 and 17. All work covered under step A must be completed during the transition interval unless otherwise specified. The work under step B may be completed as the first item of clean-up work if so desired.

Step A

2.3251 The work outlined in this paragraph may be done immediately preceding the transition interval so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs. (See paragraph 1.3413.) Item (b) must be completed before starting item (c).

(a) Change markers to the standard 18-18 pattern per note 180 of SD-25016-01. Cross connections per note 180 (D), (F), and (G) of SD-25016-01 for the 18-frame size may be completed as preliminary work if so desired; those per note 180 (C) must be completed at this time.

(b) Insert make busy plugs at:

(1) All district frame verticals associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 26. (Total 96.)

(2) All district frame verticals associated with junctors marked with a circle in Fig. 26. (Total 196.)

(c) At SHX terminal strip of district frames 0-13:

(1) Add temporary ground straps on all JC- relay contacts associated with junctors, the district ends of which are enclosed in a heavy rectangle in Fig. 26 and remove the jumpers now on these contacts. There is a total of 56 contacts requiring this treatment.

(2) Disconnect all single-wire jumpers associated with junctors marked with a circle in Fig. 26 and substitute a ground connection for each. (The ground connection shall be made before disconnecting the present jumpers.) There is a total of 196 jumpers to be disconnected at both ends and replaced with ground straps.

2.3252 (Refer to Fig. 26):

(a) Disconnect at O.J.G.F. all jumpered junctors marked with a diamond or circle as well as those having either or both ends enclosed in a heavy rectangle in Fig. 26. There are 684 of these 3-wire jumpers to be disconnected at both ends.

(b) At SHX terminal strip of district frames 0-13, disconnect all single-wire jumpers associated with junctors marked with a diamond in Fig. 26. There are 392 of these jumpers to be disconnected at both ends.

2.3253 (Refer to Fig. 14):

At O.J.G.F.

- (a) Solder down leads in added office cables 14 and 15 representing 280 permanently cabled junctors to district frames 0-13.
- (b) Connect the district frame ends of 28 jumpered junctors between district frames 0-13 and office frames 14 and 15.
- (c) Connect both ends of junctors made busy in 2.3251(b)(1) to change the district and/or office verticals enclosed in a heavy rectangle in Fig. 26 from vertical No. 7 to No. 9. There are 96 of these 3-wire jumpers which must be connected at both ends.

At SHX Terminal Strip of District Frames 0-13

- (d) Add jumpers to connect contacts of JC- relays 14 and 15 to their associated hold magnets.
- (e) Add ground straps on those contacts of JC- relays 14 and 15 required for blanking as shown in Fig. 14. This may be done as preliminary work if so desired.

2.3254 Connect the 56 JC- relay contacts temporarily grounded in 2.3251(c)(1) to vertical No. 9 of the same switch to which it previously connected, and remove temporary ground straps and all make busy plugs.

2.3255 Test newly established junctors. (See paragraph 1.3442.)

2.3256 Transfer approximately 11.1 per cent of office CCS load to office frames 14 and 15. (See paragraph 1.4.)

Step B

2.3257 (Refer to Fig. 14):

At O.J.G.F.

- (a) Solder down leads in added office cables 16 and 17 representing 280 permanently cabled junctors to district frames 0-13.
- (b) Connect the district frame ends of 28 jumpered junctors between district frames 0-13 and office frames 16 and 17.

At SHX Terminal Strip of District Frames 0-13

- (c) Add jumpers to connect contacts of JC- relays 16 and 17 to their associated hold magnets.
- (d) Add ground straps on those contacts of JC- relays 16 and 17 required for blanking as shown in Fig. 14. This may be done as preliminary work if so desired.

2.3258 Test newly established junctors. (See paragraph 1.3442.)

2.3259 Transfer approximately 11.1 per cent of office CCS load to office frames 14 and 15. (See paragraph 1.4.)

2.326 Procedure 26: Refer to Figs. 13 and 14.

The preliminary work outlined below establishes 10 junctors from each of existing district frames 0-13 to the first pair of added office frames (frames 14 and 15) and transfers load to these frames. This preliminary work may be combined with the transitional work outlined in paragraphs 2.32606 to 2.32611 if so desired.

Preliminary Work

2.32601 Note at all marker frames that the pattern cross connections marked with a diamond or asterisk in Note 180 (D), (F), and (G) of SD-25016-01 for the 18-frame size are run in.

2.32602 At SHX terminal strip of district frames 0-13 (Refer to Fig. 13):

(a) Add jumpers to connect contacts of JC- relays 14 and 15 to their associated hold magnets which are permanently wired at the O.J.G.F. (verticals No. 7 only). There are 10 such jumpers to be added on each JC- relay.

(b) Add ground straps on those contacts of JC- relays 14 and 15 associated with junctors marked with a diamond in Fig. 13. (One ground strap per JC- relay: total 28.)

(c) Add temporary ground straps on those contacts of JC- relays 14 and 15 associated with junctors having either or both ends enclosed in a heavy rectangle in Fig. 13. (Total 28.)

2.32603 At O.J.G.F., solder down leads in added office cables 14 and 15 representing 280 permanently cabled junctors to district frames 0-13.

2.32604 Test newly established junctors. (See paragraph 1.3442.)

2.32605 Transfer approximately 10 per cent of office CCS load to office frames 14 and 15. (See paragraph 1.4.)

Transitional Work

2.32606 The work outlined in this paragraph shall be done in the order listed and may be done immediately preceding the transition interval so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs. (See paragraph 1.3413.)

(a) Insert make busy plugs at:

- (1) All district frame verticals associated with junctors to office frames 0-13 having **either** or **both** ends enclosed in a heavy rectangle in Fig. 13. (Total 96.)
- (2) All district frame verticals associated with junctors to office frames 0-13 marked with a diamond in Fig. 13. (Total 196.)

(b) At SHX terminal strip of district frames 0-13:

- (1) Add temporary ground straps on all JC- relay contacts associated with junctors to office frames 0-13, the **district** ends of which are enclosed in a heavy rectangle in Fig. 13, and remove the jumpers now on these contacts. There is a total of 56 contacts requiring this treatment.
- (2) Disconnect all single-wire jumpers associated with junctors to office frames 0-13 marked with a diamond in Fig. 13, and substitute a ground connection for each. (The ground connection shall be made before disconnecting the present jumpers.) There is a total of 196 jumpers to be disconnected at both ends and replaced with ground straps.

2.32607 Disconnect at O.J.G.F. all jumpered junctors to office frames 0-13 marked with a diamond as well as those having **either** or **both** ends enclosed in a heavy rectangle in Fig. 13. There are 292 of these 3-wire jumpers to be disconnected at both ends.

2.32608 (Refer to Fig. 14):

At O.J.G.F.

- (a) Solder down leads in added office cables 16 and 17 representing 280 permanently cabled junctors to district frames 0-13.
- (b) Connect the district frame ends of 56 jumpered junctors between district frames 0-13 and office frames 14, 15, 16, and 17.
- (c) Connect both ends of junctors made busy in paragraph 2.32606(a)(1), to change the district and/or office verticals enclosed in heavy rectangles in Fig. 13 from vertical No. 8 to No. 9. There are 96 of these 3-wire jumpers to be connected at both ends.

At SHX Terminal Strip of District Frames 0-13

- (d) Add jumpers to connect contacts of

JC- relays 16 and 17 to their associated hold magnets.

- (e) Add ground straps on those contacts of JC- relays 16 and 17 required for blanking as shown in Fig. 14. This may be done as preliminary work if so desired.

2.32609 Connect the 84, JC- relay contacts temporarily grounded in paragraphs 2.32602 (c) and 2.32606 (b)(1) to vertical No. 9 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.32610 Test newly established junctors. (See paragraph 1.3442.)

2.32611 Transfer load to office frames 16 and 17 and transfer additional load to office frames 14 and 15 so that each pair of added office frames is carrying about 11.1 per cent of the office CCS load. This work may extend beyond the first busy-hour period following the transition interval if necessary. (See paragraphs 1.345 and 1.4.)

2.327 Procedure 27: Refer to Figs. 13 and 14.

2.3271 As preliminary work, add at all marker frames the pattern cross connections indicated (*) in note 180 (D), (F), and (G) of SD-25016-01 for the 18-frame size.

2.3272 The work outlined in this paragraph shall be done in the order listed and may be done immediately preceding the transition interval so as to be completed just prior to the start of the transitional work outlined in subsequent paragraphs.

(a) Insert make busy plugs at:

- (1) All district frame verticals associated with junctors having **either** or **both** ends enclosed in a heavy rectangle in Fig. 13. (Total 156.)
- (2) All district frame verticals associated with junctors marked with a diamond in Fig. 13. (Total 256.)

(b) At SHX terminal strip of district frames 0-15:

- (1) Add temporary ground straps on all JC- relay contacts associated with junctors, the **district** ends of which are enclosed in a heavy rectangle in Fig. 13, and remove the jumpers now on these contacts. There is a total of 96 contacts requiring this treatment.
- (2) Disconnect all single-wire jumpers associate with junctors marked with a diamond in Fig. 13, and substitute a ground connection for each. (The ground connection shall be made before disconnecting the present jumpers.) There is

a total of 256 jumpers to be disconnected at both ends and replaced with ground straps.

2.3273 Disconnect at O.J.G.F. all jumpered junctors marked with a diamond as well as those having either or both ends enclosed in a heavy rectangle in Fig. 13. There are 412 of these 3-wire jumpers to be disconnected at both ends.

2.3274 (Refer to Fig. 14):

At O.J.G.F.

(a) Solder down leads in added office cables representing 320 permanently cabled junctors to district frames 0-15.

(b) Connect the district frame ends of 32 jumpered junctors between district frames 0-15 and office frames 16 and 17.

(c) Connect both ends of junctors made busy in paragraph 2.3272 (a)(1), to change the district and/or office verticals enclosed in heavy rectangles in Fig. 13 from verticals No. 8 to 9. There are 156 of these 3-wire jumpers to be connected at both ends.

At SHX Terminal Strip of District Frames 0-15

(d) Add jumpers to connect contacts of JC-relays 16 and 17 to their associated hold magnets.

(e) Add ground straps on those contacts of JC-relays 16 and 17 required for blanking as shown in Fig. 14. This may be done as preliminary work if so desired.

2.3275 Connect the 96, JC-relay contacts temporarily grounded in 2.3272 (b)(1) to vertical No. 9 of the same switch to which it previously connected, and remove temporary ground straps and make busy plugs.

2.3276 Test newly established junctors. (See paragraph 1.3442.)

2.328 Procedure 28: Refer to Figs. 13 and 15.

2.3281 Change markers to the standard 20-20 pattern per note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413.

2.3282 (Refer to Fig. 13):

(a) Disconnect all jumpered junctors at O.J.G.F. These are shown in heavy type in Fig. 13, and there are 512 of these 3-wire jumpers to be disconnected at both ends.

(b) At SHX terminal strip of district frames 0-15, disconnect all single-wire jumpers associated with junctors shown in

heavy type in Fig. 13. There are 512 of these jumpers to be disconnected at both ends.

2.3283 (Refer to Fig. 15):

(a) Solder down at O.J.G.F. leads in added office cables representing 640 permanently cabled junctors to district frames 0-15.

(b) At SHX terminal strip of district frames 0-15, add jumpers to connect contacts of JC-relays 16, 17, 18, and 19 to their associated hold magnets.

2.3284 Test newly established junctors. (See paragraph 1.3442.)

2.329 Procedure 29: Refer to Figs. 14 and 15.

2.3291 Change markers to the standard 20-20 pattern per note 180 of SD-25016-01 just prior to the start of the transition interval as discussed in paragraph 1.3413.

2.3292 (Refer to Fig. 14):

At O.J.G.F.

(a) Disconnect all jumpered junctors shown in heavy type in Fig. 14. There are 324 of these 3-wire jumpers to be disconnected at both ends.

At SHX Terminal Strip of District Frames 0-17

(b) Disconnect all single-wire jumpers associated with junctors shown in heavy type in Fig. 14. There are 324 of these jumpers to be disconnected at both ends.

(c) Remove the ground straps on JC-relay contacts shown shaded in Fig. 14. There is a total of 324 such ground straps to be removed.

2.3293 (Refer to Fig. 15):

(a) Solder down at O.J.G.F. leads in added office cables representing 360 permanently cabled junctors to district frames 0-17.

(b) At SHX terminal strip of district frames 0-17, add jumpers to connect contacts of JC-relays 18 and 19 to their associated hold magnets.

2.3294 Test newly established junctors. (See paragraph 1.3442.)

3. ADDITIONS TO TANDEM OFFICES

3.1 The procedures covered in this specification may be used for making additions to either No. 1 or tandem crossbar office. However, when using these procedures for tandem offices, all reference to district frames shall be considered as applying to trunk link frames.

3.2 Since certain No. 1 jobs require that the new office frames be installed before the new district frames, all procedures covered herein have been set up on this basis for the sake of uniformity. However, on additions to tandem offices it may be more convenient in certain cases to install the trunk link frames first since these frames may be loaded simply by changing jumpers at the M.D.F. and without involving any marker route relay cross connection changes. This can readily be accomplished with the procedures outlined herein by the proper transposition of frame names to first establish the added trunk link frames in the new junctor distribution pattern. In paragraphs 2.1 and 2.2 covering preliminary and clean-up work, all references to office and district frames in paragraphs 2.101-2.110, 2.21 and 2.22, shall be considered as applying to trunk link and office frames respectively. In the transition procedures of paragraph 2.3, the same transposition shall be applied in all paragraphs covering work at the O.J.G.F.; in all other paragraphs, reference to district or office frames shall be considered as applying to trunk link frames.

4. OFFICE JUNCTOR ASSIGNMENT

CHARTS: The attached Figs. 2 to 15 include office junctor assignment charts for all sizes of offices. These charts conform with the standard junctor distribution arrangement shown on ED-25012-01 and ED-25016-01.

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Attached: Figs. 1-27.

4.1 Notes for Figs. 2 through 15:

1. In each box, the first digit represents the district vertical and the second the office vertical. The switch number is that of the channel and is the same at both ends of the junctor. Office verticals in heavy type represent jumpered junctors at the O.J.G.F., and office verticals in light type represent permanently cabled junctors at the grouping frame. On the JC0-9 relays, district verticals in heavy type indicate that the sleeves of the hold magnets associated with these verticals are cross-connected to the JC- relay contacts on the district frame SHX terminal strip, and verticals in light type indicate that the sleeves are wired directly to the JC- relay contacts. On the JC10-19 relays, all contacts are cross-connected to their associated hold magnet sleeves at the SHX terminal strip.
2.  Represents a channel blanked in the marker when its associated JC-relay operates.
3.  Represents a junctor removed from service when converting to the next higher junctor distribution arrangement.
4. District and office verticals enclosed in heavy rectangles shall be changed to the next higher number when converting to the next higher junctor distribution arrangement.
5.  Represents channels blanked by direct ground at the district frame SHX terminal strip.

TRANSITION PROCEDURE	DISTINCT LINK FRAMES				OFFICE JUNCTION GROUPING FRAME			
	MAKE- BUSY PLUGS INSERTED	TEMPORARY GROUND STRAPS ADDED	1-WIRE JUMPERS AT SHX TERMINAL STRIP		3-WIRE JUMPERS			OFFICE CABLE LEADS CONNECTED
			REMOVED	ADDED	REMOVED	ADDED		
					DISCONNECT BOTH ENDS	CONNECT ONE END	CONNECT BOTH ENDS	
1	—	—	—	—	80	—	—	—
2	—	—	—	—	120	40	—	120
3	—	—	—	—	80	—	—	—
4	—	—	—	—	120	40	—	120
5	—	—	—	—	480	160	160	240
6*	—	—	—	—	460+0	120+120	60+0	240+240
7	—	—	—	—	160	80	—	—
8	—	—	—	—	280	160	40	240
9	—	—	—	—	120	120	40	240
10	—	—	—	—	428	180	128	360
11	—	—	—	—	480	240	—	720
12	—	—	—	—	240	180	60	360
13	—	—	—	—	360	240	—	720
14	—	—	—	—	180	240	—	720
15	—	—	—	—	320	160	—	480
16*	—	—	320+0	0+256	576+0	96+96	—	480+480
17	—	—	256	256	256	96	—	480
18	—	—	400	320	400	120	—	600
19*	—	—	600+0	280+280	600+0	80+80	—	600+600
20	—	—	200	360	200	160	—	600
21	176	96	384	432	464	96	176	720
22*	88+0	48+0	624+0	336+288	664+0	48+48	88+0	720+720
23	88	48	336	384	376	96	88	720
24	192	112	504	448	584	56	192	840
25*	292+0	56+0	644+0	588+336	684+0	28+28	96+0	840+840
26	292	56	252	616	292	56	96	840
27	412	96	352	736	412	32	156	960
28	—	—	512	640	512	—	—	1920
29	—	—	648	360	324	—	—	1080

* Where two figures appear in the same column, the first and second figures represent the work required during Steps A and B, respectively of the transition procedure.

Fig. 1 – Summary of Transitional Work.

		1ST SUB-GROUP		2ND SUB-GROUP		3RD SUB-GROUP		4TH SUB-GROUP		5TH SUB-GROUP	
OFFICE FRAME		0	1	0	1	0	1	0	1	0	1
JC RELAY		0	1	2	3	4	5	6	7	8	9
CHANNEL NO. —											
DISTRICT FRAME 0	9R	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4	6-6
	9L	8-8	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4
	8R	6-6	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4
	8L	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4	9-9
	7R	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4	8-8
	7L	5-5	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4
	6R	8-8	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4
	6L	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4	6-6
	5R	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4	5-5
	5L	7-7	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4
	4R	5-5	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4
	4L	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4	8-8
	3R	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4	7-7
	3L	9-9	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4
	2R	7-7	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4
	2L	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4	5-5
	1R	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4	9-9
	1L	6-6	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4
	OR	9-9	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4
	OL	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4	7-7
JC RELAY		1	0	3	2	5	4	7	6	9	8
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4
	9L	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4	6-6
	8R	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4	9-9
	8L	6-6	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4
	7R	5-5	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4
	7L	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4	8-8
	6R	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4	6-6
	6L	8-8	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4
	5R	7-7	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4
	5L	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4	5-5
	4R	0-0	5-5	1-1	7-7	2-2	9-9	3-3	6-6	4-4	8-8
	4L	5-5	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4
	3R	9-9	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4
	3L	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4	7-7
	2R	0-0	7-7	1-1	9-9	2-2	6-6	3-3	8-8	4-4	5-5
	2L	7-7	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4
	1R	6-6	0-0	8-8	1-1	5-5	2-2	7-7	3-3	9-9	4-4
	1L	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4	9-9
	OR	0-0	9-9	1-1	6-6	2-2	8-8	3-3	5-5	4-4	7-7
	OL	9-9	0-0	6-6	1-1	8-8	2-2	5-5	3-3	7-7	4-4

Fig. 2 — Junctor Assignment Chart — 2,D - 2,O Size with 100 Junctors per District per Office — ED-25016-01, Fig. 1 (See Note 1, Paragraph 4.1)

		1ST SUB-GROUP		2ND. SUB-GROUP		3RD. SUB-GROUP	
OFFICE FRAME		0	1	0	1	0	1
JC RELAY		0	1	6	7	4	5
CHANNEL NO. →							
DISTRICT FRAME 0	9R	0-0	8-8	3-3	9-9	2-2	7-7
	9L	8-8	0-0	9-9	3-3	7-7	2-2
	8R	6-6	0-0	7-7	3-3	5-5	2-2
	8L	0-0	6-6	3-3	7-7	2-2	5-5
	7R	0-0	5-5	3-3	6-6	2-2	9-9
	7L	5-5	0-0	6-6	3-3	9-9	2-2
	6R	8-8	0-0	9-9	3-3	7-7	2-2
	6L	0-0	8-8	3-3	9-9	2-2	7-7
	5R	0-0	7-7	3-3	8-8	2-2	6-6
	5L	7-7	0-0	8-8	3-3	6-6	2-2
	4R	5-5	0-0	6-6	3-3	9-9	2-2
	4L	0-0	5-5	3-3	6-6	2-2	9-9
	3R	0-0	9-9	3-3	5-5	2-2	8-8
	3L	9-9	0-0	5-5	3-3	8-8	2-2
	2R	7-7	0-0	8-8	3-3	6-6	2-2
	2L	0-0	7-7	3-3	8-8	2-2	6-6
	1R	0-0	6-6	3-3	7-7	2-2	5-5
	1L	6-6	0-0	7-7	3-3	5-5	2-2
	0R	9-9	0-0	5-5	3-3	8-8	2-2
	0L	0-0	9-9	3-3	5-5	2-2	8-8
JC RELAY		1	0	7	6	5	4
DISTRICT FRAME 1	9R	8-8	0-0	9-9	3-3	7-7	2-2
	9L	0-0	8-8	3-3	9-9	2-2	7-7
	8R	0-0	6-6	3-3	7-7	2-2	5-5
	8L	6-6	0-0	7-7	3-3	5-5	2-2
	7R	5-5	0-0	6-6	3-3	9-9	2-2
	7L	0-0	5-5	3-3	6-6	2-2	9-9
	6R	0-0	8-8	3-3	9-9	2-2	7-7
	6L	8-8	0-0	9-9	3-3	7-7	2-2
	5R	7-7	0-0	8-8	3-3	6-6	2-2
	5L	0-0	7-7	3-3	8-8	2-2	6-6
	4R	0-0	5-5	3-3	6-6	2-2	9-9
	4L	5-5	0-0	6-6	3-3	9-9	2-2
	3R	9-9	0-0	5-5	3-3	8-8	2-2
	3L	0-0	9-9	3-3	5-5	2-2	8-8
	2R	0-0	7-7	3-3	8-8	2-2	6-6
	2L	7-7	0-0	8-8	3-3	6-6	2-2
	1R	6-6	0-0	7-7	3-3	5-5	2-2
	1L	0-0	6-6	3-3	7-7	2-2	5-5
	0R	0-0	9-9	3-3	5-5	2-2	8-8
	0L	9-9	0-0	5-5	3-3	8-8	2-2

Fig. 3 – Junctor Assignment Chart — 2,D - 2,O Size with 60 Junctors per District per Office — ED-25016-01, Fig. 5 (See Note 1, Paragraph 4.1)

1ST SUB-GROUP					2ND SUB-GROUP					3RD SUB-GROUP				
OFFICE FRAME	0	1	2	3	0	1	2	3	0	1	2	3		
JC RELAY	0	1	2	3	4	5	6	7	8	9	8	9		
CHANNEL NO.														
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4		6-6		
	9L	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3		4-4	6-6		
	8R	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3		4-4	9-9		
	8L	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4		9-9		
	7R	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4		8-8		
	7L	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3		4-4	8-8		
	6R	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3		4-4	6-6		
	6L	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4		6-6		
	5R	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4		5-5		
	5L	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3		4-4	5-5		
	4R	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3		4-4	8-8		
	4L	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4		8-8		
	3R	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4		7-7		
	3L	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3		4-4	7-7		
	2R	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3		4-4	5-5		
	2L	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4		5-5		
	1R	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4		9-9		
	1L	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3		4-4	9-9		
	OR	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3		4-4	7-7		
	OL	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4		7-7		
JC RELAY	1	0	3	2	5	4	7	8	9	8	9	8		
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3		4-4	6-6		
	9L	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4		6-6		
	8R	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4		9-9		
	8L	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3		4-4	9-9		
	7R	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3		4-4	8-8		
	7L	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4		8-8		
	6R	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4		6-6		
	6L	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3		4-4	6-6		
	5R	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3		4-4	5-5		
	5L	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4		5-5		
	4R	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4		8-8		
	4L	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3		4-4	8-8		
	3R	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3		4-4	7-7		
	3L	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4		7-7		
	2R	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4		5-5		
	2L	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3		4-4	5-5		
	1R	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3		4-4	9-9		
	1L	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4		9-9		
	OR	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4		7-7		
	OL	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3		4-4	7-7		
JC RELAY	1	0	3	2	5	4	7	8	9	8	9	8		
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9		8-8		
	9L	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2		4-9	8-8		
	8R	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2		4-7	6-6		
	8L	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7		6-6		
	7R	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6		5-5		
	7L	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2		4-6	5-5		
	6R	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2		4-9	8-8		
	6L	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9		8-8		
	5R	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8		7-7		
	5L	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2		4-8	7-7		
	4R	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2		4-6	5-5		
	4L	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6		5-5		
	3R	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5		9-9		
	3L	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2		4-5	9-9		
	2R	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2		4-8	7-7		
	2L	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8		7-7		
	1R	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7		6-6		
	1L	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2		4-7	6-6		
	OR	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2		4-5	9-9		
	OL	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5		9-9		
JC RELAY	1	0	3	2	7	6	5	4	9	8	9	8		
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2		4-9	8-8		
	9L	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9		8-8		
	8R	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7		6-6		
	8L	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2		4-7	6-6		
	7R	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2		4-6	5-5		
	7L	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6		5-5		
	6R	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9		8-8		
	6L	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2		4-9	8-8		
	5R	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2		4-8	7-7		
	5L	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8		7-7		
	4R	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6		5-5		
	4L	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2		4-6	5-5		
	3R	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2		4-5	9-9		
	3L	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5		9-9		
	2R	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8		7-7		
	2L	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2		4-8	7-7		
	1R	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2		4-7	6-6		
	1L	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7		6-6		
	OR	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5		9-9		
	OL	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2		4-5	9-9		
JC RELAY	1	0	3	2	7	6	5	4	9	8	9	8		

9R		
9L		
8R		
8L		
7R		
7L		
6R		
6L		
5R		
5L		
4R		
4L		
3R		
3L		
2R		
2L		
1R		
1L		
OR		
OL		

3RD SUB-GROUP PATTERNS

1ST AND 2ND SUB-GROUPS NO PATTERNS

3RD SUB-GROUP PATTERN APPLICATION TABLE					DIST. FR. NO.
OFF. FR. NO.	0	1	2	3	
0	0	1	0	1	
1	1	0	1	0	
2	1	0	1	0	
3	0	1	0	1	

Fig. 4 — Junctor Assignment Chart — 4,D - 4,O Size with 50 Junctors per District per Office — ED-25016-01 Fig. 2 (See Notes 1 and 2, Paragraph 4.1)

		1ST SUB-GROUP				2ND SUB-GROUP			
OFFICE FRAME		0	1	2	3	0	1	2	3
JC RELAY		0	1	2	3	6	7	8	9
CHANNEL NO.									
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	9L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	8R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	8L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	7R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	7L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	6R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	6L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	5R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	5L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	4R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	4L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	3R	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	3L	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	2R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	2L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	1R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	1L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	OR	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	OL	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
JC RELAY		1	0	3	2	7	6	9	8
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	9L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	8R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	8L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	7R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	7L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	6R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	6L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	5R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	5L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	4R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	4L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	3R	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	3L	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	2R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	2L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	1R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	1L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	OR	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	OL	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
OFFICE FRAME		0	1	2	3	0	1	2	3
JC RELAY		0	1	2	3	8	9	6	7
CHANNEL NO.									
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	9L	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	8R	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	8L	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	7R	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	7L	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	6R	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	6L	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	5R	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	5L	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	4R	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	4L	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	3R	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	3L	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	2R	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	2L	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	1R	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	1L	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	OR	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	OL	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
JC RELAY		1	0	3	2	9	8	7	6
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	9L	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	8R	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	8L	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	7R	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	7L	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	6R	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	6L	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	5R	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	5L	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	4R	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	4L	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	3R	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	3L	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	2R	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	2L	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	1R	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	1L	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	OR	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	OL	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3

Fig. 5 – Junctor Assignment Chart — 4,D - 4,O Size with 40 Junctors per District per Office — ED-25016-01, Fig. 6 (See Notes 1 and 2, Paragraph 4.1)

[illegible]

Fig. 6 – Junctor Assignment Chart — 6,D - 6,O Size with 33 or 34 Junctors per District per Office — ED-25016-01, Fig. 3 (See Notes 1 and 2, Paragraph 4.1)

		1ST SUB-GROUP					2ND SUB-GROUP						
OFFICE FRAME		0	1	2	3	4	5	0	1	2	3	4	5
JC RELAY		0	1	2	3	4	5	6	7	8	9	9	8
CHANNEL NO. —													
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	2-0	7-7	3-3		4-4		6-4	
	9L	8-0	0-0	5-5	1-0	7-7	2-0		3-3		4-4		6-4
	8R	6-6	0-0	8-8	1-0	5-5	2-0		3-3		4-4		9-6
	8L	0-0	6-6	1-0	8-8	2-0	5-5	3-3		4-4			9-6
	7R	0-0	5-5	1-0	7-7	2-0	9-9	3-3		4-4			8-4
	7L	5-5	0-0	7-7	1-0	9-9	2-0		3-3		4-4		8-5
	6R	8-8	0-0	5-5	1-0	7-7	2-0		3-3		4-4		6-4
	6L	0-0	8-8	1-0	5-5	2-0	7-7	3-3		4-4			6-4
	5R	0-0	7-7	1-0	9-9	2-0	6-6	3-3		4-4			5-7
	5L	7-7	0-0	9-9	1-0	6-6	2-0		3-3		4-4		5-4
	4R	5-5	0-0	7-7	1-0	9-9	2-0		3-3		4-4		6-5
	4L	0-0	5-5	1-0	7-7	2-0	9-9	3-3		4-4			8-5
	3R	0-0	9-9	1-0	6-6	2-0	8-8	3-3		4-4			7-4
	3L	9-9	0-0	6-6	1-0	8-8	2-0		3-3		4-4		7-9
	2R	7-7	0-0	9-9	1-0	6-6	2-0		3-3		4-4		5-4
	2L	0-0	7-7	1-0	9-9	2-0	6-6	3-3		4-4			5-4
	1R	0-0	6-6	1-0	8-8	2-0	5-5	3-3		4-4			9-6
	1L	6-6	0-0	8-8	1-0	3-3	5-5	2-0		3-3		4-4	9-4
	0R	9-9	0-0	6-6	1-0	8-8	2-0		3-3		4-4		7-9
0L	0-0	9-9	1-0	6-6	2-0	8-8	3-3		4-4			7-9	
JC RELAY		1	0	3	2	5	4	7	6	9	8	8	9
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	7-7	2-0		3-3		4-4		6-4
	9L	0-0	8-8	1-0	5-5	2-0	7-7	3-3		4-4			6-4
	8R	0-0	6-6	1-0	8-8	2-0	5-5	3-3		4-4			9-6
	8L	6-6	0-0	8-8	1-0	5-5	2-0		3-3		4-4		9-6
	7R	5-5	0-0	7-7	1-0	9-9	2-0		3-3		4-4		8-4
	7L	0-0	5-5	1-0	7-7	2-0	9-9	3-3		4-4			8-5
	6R	0-0	8-8	1-0	5-5	2-0	7-7	3-3		4-4			6-4
	6L	8-8	0-0	5-5	1-0	7-7	2-0		3-3		4-4		6-4
	5R	7-7	0-0	9-9	1-0	6-6	2-0		3-3		4-4		5-7
	5L	0-0	7-7	1-0	9-9	2-0	6-6	3-3		4-4			5-4
	4R	0-0	5-5	1-0	7-7	2-0	9-9	3-3		4-4			8-5
	4L	5-5	0-0	7-7	1-0	9-9	2-0		3-3		4-4		8-5
	3R	9-9	0-0	6-6	1-0	8-8	2-0		3-3		4-4		7-4
	3L	0-0	9-9	1-0	6-6	2-0	8-8	3-3		4-4			7-9
	2R	0-0	7-7	1-0	9-9	2-0	6-6	3-3		4-4			5-4
	2L	7-7	0-0	9-9	1-0	6-6	2-0		3-3		4-4		5-4
	1R	6-6	0-0	8-8	1-0	5-5	2-0		3-3		4-4		9-6
	1L	0-0	6-6	1-0	8-8	2-0	5-5	3-3		4-4			9-4
	0R	0-0	9-9	1-0	6-6	2-0	8-8	3-3		4-4			7-9
0L	9-9	0-0	6-6	1-0	8-8	2-0		3-3		4-4		7-9	

OFFICE FRAME		0	1	2	3	4	5	0	1	2	3	4	5
JC RELAY		0	1	2	3	4	5	8	9	6	7	9	8
CHANNEL NO.													
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	2-1	9-9	4-4		3-3		8-8	
	9L	5-5	0-1	7-7	1-1	9-9	2-1		4-4		3-3		8-8
	8R	8-8	0-1	5-5	1-1	7-7	2-1		4-4		3-3		6-4
	8L	0-1	8-8	1-1	5-5	2-1	7-7	4-4		3-3		6-4	
	7R	0-1	7-7	1-1	9-9	2-1	6-6	4-4		3-3		5-5	
	7L	7-7	0-1	9-9	1-1	6-6	2-1		4-4		3-3		5-4
	6R	5-5	0-1	7-7	1-1	9-9	2-1		4-4		3-3		8-6
	6L	0-1	5-5	1-1	7-7	2-1	9-9	4-4		3-3		8-8	
	5R	0-1	9-9	1-1	6-6	2-1	8-8	4-4		3-3		7-4	
	5L	9-9	0-1	6-6	1-1	8-8	2-1		4-4		3-3		7-7
	4R	7-7	0-1	9-9	1-1	6-6	2-1		4-4		3-3		5-4
	4L	0-1	7-7	1-1	9-9	2-1	6-6	4-4		3-3		5-4	
	3R	0-1	6-6	1-1	8-8	2-1	5-5	4-4		3-3		9-9	
	3L	6-6	0-1	8-8	1-1	5-5	2-1		4-4		3-3		9-4
	2R	9-9	0-1	6-6	1-1	8-8	2-1		4-4		3-3		7-4
	2L	0-1	9-9	1-1	6-6	2-1	8-8	4-4		3-3		7-7	
	1R	0-1	8-8	1-1	5-5	2-1	7-7	4-4		3-3		6-4	
	1L	8-8	0-1	5-5	1-1	7-7	2-1		4-4		3-3		6-4
OR	6-6	0-1	8-8	1-1	5-5	2-1		4-4		3-3		9-4	
OL	0-1	6-6	1-1	8-8	2-1	5-5	4-4		3-3		9-4		
JC RELAY		1	0	3	2	5	4	9	8	7	6	8	9
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	9-9	2-1		4-4		3-3		8-1
	9L	0-1	5-5	1-1	7-7	2-1	9-9	4-4		3-3		8-8	
	8R	0-1	8-8	1-1	5-5	2-1	7-7	4-4		3-3		6-4	
	8L	8-8	0-1	5-5	1-1	7-7	2-1		4-4		3-3		6-4
	7R	7-7	0-1	9-9	1-1	6-6	2-1		4-4		3-3		5-4
	7L	0-1	7-7	1-1	9-9	2-1	6-6	4-4		3-3		5-4	
	6R	0-1	5-5	1-1	7-7	2-1	9-9	4-4		3-3		8-8	
	6L	5-5	0-1	7-7	1-1	9-9	2-1		4-4		3-3		8-4
	5R	9-9	0-1	6-6	1-1	8-8	2-1		4-4		3-3		7-4
	5L	0-1	9-9	1-1	6-6	2-1	8-8	4-4		3-3		7-7	
	4R	0-1	7-7	1-1	9-9	2-1	6-6	4-4		3-3		5-4	
	4L	7-7	0-1	9-9	1-1	6-6	2-1		4-4		3-3		5-4
	3R	6-6	0-1	8-8	1-1	5-5	2-1		4-4		3-3		9-4
	3L	0-1	6-6	1-1	8-8	2-1	5-5	4-4		3-3		9-4	
	2R	0-1	9-9	1-1	6-6	2-1	8-8	4-4		3-3		7-7	
	2L	9-9	0-1	6-6	1-1	8-8	2-1		4-4		3-3		7-4
	1R	8-8	0-1	5-5	1-1	7-7	2-1		4-4		3-3		6-4
	1L	0-1	8-8	1-1	5-5	2-1	7-7	4-4		3-3		6-6	
OR	0-1	6-6	1-1	8-8	2-1	5-5	4-4		3-3		9-4		
OL	6-6	0-1	8-8	1-1	5-5	2-1		4-4		3-3		9-4	

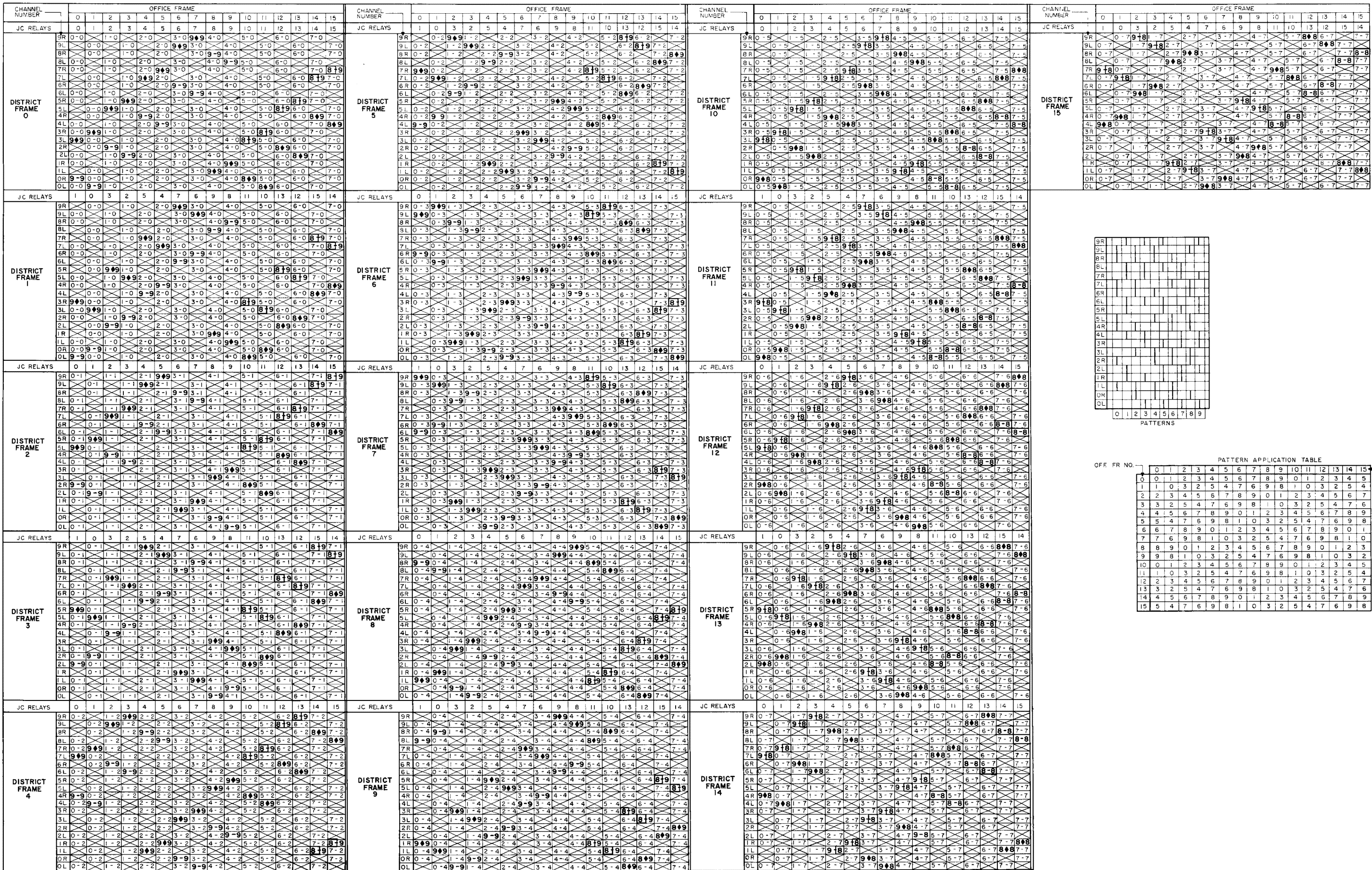
Fig. 7 – Junctor Assignment Chart — 4,D - 4,O or 6,D - 6,O Size with 30 Junctors per District per Office — ED-25016-01, Fig. 7 (See Notes 1 and 2, Paragraph 4.1)

1ST SUB-GROUP													2ND SUB-GROUP												
OFFICE FRAME													OFFICE FRAME												
JC RELAY													JC RELAY												
CHANNEL NO.													CHANNEL NO.												
DISTRICT FRAME 0	9R	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-4							9R	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-6							
	9L	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0		4-4						9L	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2	4-6							
	8R	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0			4-4					8R	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2		4-6						8-5
	8L	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7				4-4				8L	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6			4-6					8-5
	7R	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6	4-4							7R	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5	4-8					7-7		
	7L	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0			4-4					7L	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2				4-5				7-9
	6R	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0		4-4						6R	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2	4-6							
	6L	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-4							6L	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-6						5-5	
	5R	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8			4-4					5R	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7			4-7					9-6
	5L	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0		4-4						5L	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2			4-5					9-9
	4R	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0			4-4					4R	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2				4-5				7-9
	4L	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6			4-4					4L	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5					4-5			7-9
	3R	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5	4-4							3R	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9	4-7					6-6		6-8
	3L	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0			4-4					3L	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2			4-9					6-8
	2R	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0		4-4						2R	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2			4-5					9-9
	2L	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-4							2L	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7	4-5					9-9		
	1R	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7			4-4					1R	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6			4-6					8-5
1L	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0				4-4				1L	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2				4-9				8-8	
0R	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0					4-4			0R	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2				4-9				6-8	
0L	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5					4-4			0L	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9					4-9			6-8	
JC RELAY													JC RELAY												
DISTRICT FRAME 1	9R	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0	4-4							9R	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2	4-6							
	9L	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9		4-4						9L	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-6							
	8R	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7			4-4					8R	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6			4-6					8-5
	8L	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0				4-4				8L	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2				4-6				8-5
	7R	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0			4-4					7R	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2					4-8			7-7
	7L	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6			4-4					7L	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5					4-5			7-9
	6R	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-4							6R	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-6							
	6L	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0		4-4						6L	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2				4-6				5-5
	5R	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0			4-4					5R	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2				4-7				9-6
	5L	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-4							5L	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7	4-5					9-9		
	4R	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6			4-4					4R	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5					4-5			7-9
	4L	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0			4-4					4L	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2					4-5			7-9
	3R	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0			4-4					3R	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2					4-7			6-6
	3L	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5			4-4					3L	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9					4-9			6-8
	2R	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-4							2R	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7	4-5					9-9		
	2L	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0		4-4						2L	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2				4-5				9-9
	1R	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0				4-4				1R	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2					4-6			8-5
1L	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7	4-4							1L	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6	4-9					8-8			
0R	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5				4-4				0R	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9					4-9			6-8	
0L	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0					4-4			0L	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2					4-9			6-8	
JC RELAY													JC RELAY												
DISTRICT FRAME 2	9R	0-1-5-5	1-1-7-7	2-1-9-9	3-1-6-6			4-4					9R	0-3-9-9	1-3-6-6	2-3-8-8	3-3-5-5				4-8				7-7
	9L	5-5-0-1	7-7-1-1	9-9-2-1	6-6-3-1			4-4					9L	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3					4-8			7-7
	8R	8-8-0-1	5-5-1-1	7-7-2-1	9-9-3-1			4-4					8R	7-7-0-3	9-9-1-3	6-6-2-3	8-8-3-3				4-9				5-8
	8L	0-1-8-8	1-1-5-5	2-1-7-7	3-1-9-9	4-4							8L	0-3-7-7	1-3-9-9	2-3-6-6	3-3-8-8	4-9					5-8		9-9
	7R	0-1-7-7	1-1-9-9	2-1-6-6	3-1-8-8			4-4					7R	0-3-6-6	1-3-8-8	2-3-5-5	3-3-7-7					4-5			9-9
	7L	7-7-0-1	9-9-1-1	6-6-2-1	8-8-3-1			4-4					7L	6-6-0-3	8-8-1-3	5-5-2-3	7-7-3-3				4-8				9-7
	6R	5-5-0-1	7-7-1-1	9-9-2-1	6-6-3-1			4-4					6R	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3					4-8			7-7
	6L	0-1-5-5	1-1-7-7	2-1-9-9	3-1-6-6			4-4					6L	0-3-9-9	1-3-6-6	2-3-8-8	3-3-5-5					4-8			7-7
	5R	0-1-9-9	1-1-6-6	2-1-8-8	3-1-5-5	4-4							5R	0-3-8-8	1-3-5-5	2-3-7-7	3-3-9-9	4-5					6-9		
	5L	9-9-0-1	6-6-1-1	8-8-2-1	5-5-3-1			4-4					5L	8-8-0-3	5-5-1-3	7-7-2-3	9-9-3-3					4-7			6-6
	4R	7-7-0-1	9-9-1-1	6-6-2-1	8-8-3-1			4-4					4R	6-6-0-3	8-8-1-3	5-5-2-3	7-7-3-3					4-8			9-7
	4L	0-1-7-7	1-1-9-9	2-1-6-6	3-1-8-8	4-4							4L	0-3-6-6	1-3-8-8	2-3-5-5	3-3-7-7	4-8					9-7		
	3R	0-1-6-6	1-1-8-8	2-1-5-5	3-1-7-7			4-4					3R	0-3-5-5	1-3-7-7	2-3-9-9	3-3-6-6					4-9			8-8
	3L	6-6-0-1	8-8-1-1	5-5-2-1	7-7-3-1			4-4					3L	5-5-0-3	7-7-1-3	9-9-2-3	6-6-3-3					4-7			8-6
	2R	9-9-0-1	6-6-1-1	8-8-2-1	5-5-3-1			4-4					2R	8-8-0-3	5-5-1-3	7-7-2-3	9-9-3-3					4-7			6-6
	2L	0-1-9-9	1-1-6-6	2-1-8-8	3-1-5-5			4-4					2L	0-3-8-8	1-3-5-5	2-3-7-7	3-3-9-9					4-7			6-6
	1R	0-1-8-8	1-1-5-5	2-1-7-7	3-1-9-9	4-4							1R	0-3-7-7	1-3-9-9	2-3-6-6	3-3-8-8	4-9					5-8		
1L	8-8-0-1	5-5-1-1	7-7-2-1	9-9-3-1			4-4					1L	7-7-0-3	9-9-1-3	6-6-2-3	8-8-3-3					4-6			5-5	
0R	6-6-0-1	8-8-1-1	5-5-2-1	7-7-3-1			4-4					0R	5-5-0-3	7-7-1-3	9-9-2-3	6-6-3-3					4-7			8-6	
0L	0-1-6-6	1-1-8-8	2-1-5-5	3-1-7-7	4-4							0L	0-3-5-5	1-3-7-7	2-3-9-9	3-3-6-6	4-7					8-6			
JC RELAY													JC RELAY												
DISTRICT FRAME 3	9R	5-5-0-1	7-7-1-1	9-9-2-1	6-6-3-1			4-4					9R	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3				4-8				7-7

OFFICE FRAME											OFFICE FRAME										
CHANNEL NUMBER	0	1	2	3	4	5	6	7	8	9	CHANNEL NUMBER	0	1	2	3	4	5	6	7	8	9
JC RELAY	0	1	2	3	4	5	6	7	8	9	JC RELAY	0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 0	9R	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-0-6-6	5-0-8-8	6-0-1-1	7-0-3-3	8-0-4-4	DISTRICT FRAME 5	9R	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	9L	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0	6-6-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0		9L	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-2-5-5	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	8R	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0	9-9-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0		8R	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6	4-2-8-8	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	8L	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7	4-0-9-9	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		8L	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	7R	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6	4-0-8-8	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		7R	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2	7-7-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	7L	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		7L	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5	4-2-7-7	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	6R	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0	6-6-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0		6R	0-2-7-7	1-2-9-9	2-2-6-6	3-2-8-8	4-2-5-5	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	6L	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-0-6-6	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		6L	7-7-0-2	9-9-1-2	6-6-2-2	8-8-3-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	5R	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-0-5-5	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		5R	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2	9-9-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	5L	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		5L	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7	4-2-9-9	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	4R	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		4R	0-2-9-9	1-2-6-6	2-2-8-8	3-2-5-5	4-2-7-7	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	4L	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6	4-0-8-8	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		4L	9-9-0-2	6-6-1-2	8-8-2-2	5-5-3-2	7-7-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	3R	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5	4-0-7-7	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		3R	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2	6-6-4-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	3L	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0	7-7-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		3L	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9	4-2-6-6	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	2R	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		2R	0-2-6-6	1-2-8-8	2-2-5-5	3-2-7-7	4-2-9-9	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	2L	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-0-5-5	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		2L	6-6-0-2	8-8-1-2	5-5-2-2	7-7-3-2	9-9-4-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2
	1R	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7	4-0-9-9	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		1R	5-5-0-2	7-7-1-2	9-9-2-2	6-6-3-2	8-8-4-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	1L	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0	9-9-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		1L	0-2-5-5	1-2-7-7	2-2-9-9	3-2-6-6	4-2-8-8	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	OR	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0	7-7-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		OR	0-2-8-8	1-2-5-5	2-2-7-7	3-2-9-9	4-2-6-6	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
	OL	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5	4-0-7-7	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		OL	8-8-0-2	5-5-1-2	7-7-2-2	9-9-3-2	6-6-4-2	5-5-4-2	6-6-3-2	8-8-4-2	5-5-4-2
JC RELAY	0	1	2	3	4	5	6	7	8	9	JC RELAY	0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 1	9R	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0	6-6-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0	DISTRICT FRAME 6	9R	0-3-9-9	1-3-6-6	2-3-8-8	3-3-5-5	4-3-7-7	5-3-9-9	6-3-1-1	7-3-4-4	8-3-6-6
	9L	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-0-6-6	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		9L	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3	7-7-4-3	8-8-4-3	5-5-4-3	6-6-3-3	7-7-4-3
	8R	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7	4-0-9-9	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		8R	7-7-0-3	9-9-1-3	6-6-2-3	8-8-3-3	5-5-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	8L	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0	9-9-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0		8L	0-3-7-7	1-3-9-9	2-3-6-6	3-3-8-8	4-3-5-5	5-3-7-7	6-3-9-9	7-3-4-4	8-3-6-6
	7R	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		7R	0-3-6-6	1-3-8-8	2-3-5-5	3-3-7-7	4-3-9-9	5-3-8-8	6-3-1-1	7-3-4-4	8-3-6-6
	7L	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6	4-0-8-8	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		7L	6-6-0-3	8-8-1-3	5-5-2-3	7-7-3-3	9-9-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	6R	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-0-6-6	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		6R	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3	7-7-4-3	8-8-4-3	5-5-4-3	6-6-3-3	7-7-4-3
	6L	8-8-0-0	5-5-1-0	7-7-2-0	9-9-3-0	6-6-4-0	1-1-0-0	3-3-1-0	4-4-2-0	6-6-3-0		6L	0-3-9-9	1-3-6-6	2-3-8-8	3-3-5-5	4-3-7-7	5-3-9-9	6-3-1-1	7-3-4-4	8-3-6-6
	5R	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		5R	0-3-8-8	1-3-5-5	2-3-7-7	3-3-9-9	4-3-6-6	5-3-8-8	6-3-1-1	7-3-4-4	8-3-6-6
	5L	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-0-5-5	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		5L	8-8-0-3	5-5-1-3	7-7-2-3	9-9-3-3	6-6-4-3	7-7-4-3	8-8-4-3	5-5-4-3	6-6-3-3
	4R	0-0-5-5	1-0-7-7	2-0-9-9	3-0-6-6	4-0-8-8	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		4R	6-6-0-3	8-8-1-3	5-5-2-3	7-7-3-3	9-9-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	4L	5-5-0-0	7-7-1-0	9-9-2-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		4L	0-3-6-6	1-3-8-8	2-3-5-5	3-3-7-7	4-3-9-9	5-3-8-8	6-3-1-1	7-3-4-4	8-3-6-6
	3R	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5	4-0-7-7	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		3R	0-3-5-5	1-3-7-7	2-3-9-9	3-3-6-6	4-3-8-8	5-3-7-7	6-3-9-9	7-3-4-4	8-3-6-6
	3L	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0	7-7-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		3L	5-5-0-3	7-7-1-3	9-9-2-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3	8-8-4-3	5-5-4-3
	2R	0-0-7-7	1-0-9-9	2-0-6-6	3-0-8-8	4-0-5-5	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		2R	8-8-0-3	5-5-1-3	7-7-2-3	9-9-3-3	6-6-4-3	7-7-4-3	8-8-4-3	5-5-4-3	6-6-3-3
	2L	7-7-0-0	9-9-1-0	6-6-2-0	8-8-3-0	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		2L	0-3-8-8	1-3-5-5	2-3-7-7	3-3-9-9	4-3-6-6	5-3-8-8	6-3-1-1	7-3-4-4	8-3-6-6
	1R	0-0-6-6	1-0-8-8	2-0-5-5	3-0-7-7	4-0-9-9	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		1R	0-3-7-7	1-3-9-9	2-3-6-6	3-3-8-8	4-3-5-5	5-3-7-7	6-3-9-9	7-3-4-4	8-3-6-6
	1L	6-6-0-0	8-8-1-0	5-5-2-0	7-7-3-0	9-9-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		1L	7-7-0-3	9-9-1-3	6-6-2-3	8-8-3-3	5-5-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	OR	0-0-9-9	1-0-6-6	2-0-8-8	3-0-5-5	4-0-7-7	5-5-4-0	6-6-3-0	8-8-4-0	5-5-4-0		OR	5-5-0-3	7-7-1-3	9-9-2-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3	8-8-4-3	5-5-4-3
	OL	9-9-0-0	6-6-1-0	8-8-2-0	5-5-3-0	7-7-4-0	6-6-3-0	8-8-4-0	5-5-4-0	6-6-3-0		OL	0-3-5-5	1-3-7-7	2-3-9-9	3-3-6-6	4-3-8-8	5-3-7-7	6-3-9-9	7-3-4-4	8-3-6-6
JC RELAY	0	1	2	3	4	5	6	7	8	9	JC RELAY	0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 2	9R	0-1-5-5	1-1-7-7	2-1-9-9	3-1-6-6	4-1-8-8	5-1-1-1	6-1-3-3	7-1-4-4	8-1-6-6	DISTRICT FRAME 7	9R	9-9-0-3	6-6-1-3	8-8-2-3	5-5-3-3	7-7-4-3	8-8-4-3	5-5-4-3	6-6-3-3	7-7-4-3
	9L	5-5-0-1	7-7-1-1	9-9-2-1	6-6-3-1	8-8-4-1	1-1-0-1	3-3-1-1	4-4-2-1	6-6-3-1		9L	0-3-9-9	1-3-6-6	2-3-8-8	3-3-5-5	4-3-7-7	5-3-9-9	6-3-1-1	7-3-4-4	8-3-6-6
	8R	0-0-8-8	1-0-5-5	2-0-7-7	3-0-9-9	4-0-6-6	5-0-1-1	6-0-3-3	7-0-4-4	8-0-6-6		8R	0-3-7-7	1-3-9-9	2-3-6-6	3-3-8-8	4-3-5-5	5-3-7-7	6-3-9-9	7-3-4-4	8-3-6-6
	8L	0-1-8-8	1-1-5-5	2-1-7-7	3-1-9-9	4-1-6-6	5-1-1-1	6-1-3-3	7-1-4-4	8-1-6-6		8L	7-7-0-3	9-9-1-3	6-6-2-3	8-8-3-3	5-5-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	7R	0-1-7-7	1-1-9-9	2-1-6-6	3-1-8-8	4-1-5-5	5-1-1-1	6-1-3-3	7-1-4-4	8-1-6-6		7R	6-6-0-3	8-8-1-3	5-5-2-3	7-7-3-3	9-9-4-3	6-6-3-3	8-8-4-3	5-5-4-3	6-6-3-3
	7L	7-7-0-1	9-9-1-1	6-6-2-1	8-8-3-1	5-5-4-1	6-6-3-1	8-8-4-1	5-5-4-1	6-6-3-1											

[illegible]

[illegible]



[illegible]

Fig. 15 – Junctor Assignment Chart — 20,D - 20,O Size with 10 Junctors per District per Office — ED-25012-01, Fig. 6 (See Notes 1 and 2, Paragraph 4.1)

		1ST		2ND		3RD	
		SUB-GROUP	SUB-GROUP	SUB-GROUP	SUB-GROUP	SUB-GROUP	SUB-GROUP
OFFICE FRAME		0	1	0	1	0	1
JC RELAY		0	1	6	7	4	5
CHANNEL NO. —							
DISTRICT FRAME 0	9R	0-0	8-8	3-3	9-9	2-2	7-7
	9L	8-8	0-0	9-9	3-3	7-7	2-2
	8R	6-6	0-0	7-7	3-3	5-5	2-2
	8L	0-0	6-6	3-3	7-7	2-2	5-5
	7R	0-0	5-5	3-3	6-6	2-2	9-9
	7L	5-5	0-0	6-6	3-3	9-9	2-2
	6R	8-8	0-0	9-9	3-3	7-7	2-2
	6L	0-0	8-8	3-3	9-9	2-2	7-7
	5R	0-0	7-7	3-3	8-8	2-2	6-6
	5L	7-7	0-0	8-8	3-3	6-6	2-2
	4R	5-5	0-0	6-6	3-3	9-9	2-2
	4L	0-0	5-5	3-3	6-6	2-2	9-9
	3R	0-0	9-9	3-3	5-5	2-2	8-8
	3L	9-9	0-0	5-5	3-3	8-8	2-2
	2R	7-7	0-0	8-8	3-3	6-6	2-2
	2L	0-0	7-7	3-3	8-8	2-2	6-6
	1R	0-0	6-6	3-3	7-7	2-2	5-5
	1L	6-6	0-0	7-7	3-3	5-5	2-2
	OR	9-9	0-0	5-5	3-3	8-8	2-2
	OL	0-0	9-9	3-3	5-5	2-2	8-8
JC RELAY		1	0	7	6	5	4
DISTRICT FRAME 1	9R	8-8	0-0	9-9	3-3	7-7	2-2
	9L	0-0	8-8	3-3	9-9	2-2	7-7
	8R	0-0	6-6	3-3	7-7	2-2	5-5
	8L	6-6	0-0	7-7	3-3	5-5	2-2
	7R	5-5	0-0	6-6	3-3	9-9	2-2
	7L	0-0	5-5	3-3	6-6	2-2	9-9
	6R	0-0	8-8	3-3	9-9	2-2	7-7
	6L	8-8	0-0	9-9	3-3	7-7	2-2
	5R	7-7	0-0	8-8	3-3	6-6	2-2
	5L	0-0	7-7	3-3	8-8	2-2	6-6
	4R	0-0	5-5	3-3	6-6	2-2	9-9
	4L	5-5	0-0	6-6	3-3	9-9	2-2
	3R	9-9	0-0	5-5	3-3	8-8	2-2
	3L	0-0	9-9	3-3	5-5	2-2	8-8
	2R	0-0	7-7	3-3	8-8	2-2	6-6
	2L	7-7	0-0	8-8	3-3	6-6	2-2
	1R	6-6	0-0	7-7	3-3	5-5	2-2
	1L	0-0	6-6	3-3	7-7	2-2	5-5
	OR	0-0	9-9	3-3	5-5	2-2	8-8
	OL	9-9	0-0	5-5	3-3	8-8	2-2

NOTES:
1. [●] REPRESENTS JUNCTORS OTHER THAN FIRST SUBGROUP JUNCTORS WHICH ARE REUSED WHEN CONVERTING TO THE 6,D-6,O JUNCTOR DISTRIBUTION ARRANGEMENT.

Fig. 16 — Juncor Conversion Chart — 2,D - 2,O to 6,D - 6,O Size

				1ST SUB-GROUP				2ND SUB-GROUP				3RD SUB-GROUP			
OFFICE FRAME				0	1	2	3	0	1	2	3	0	1	2	3
JC RELAY				0	1	2	3	4	5	6	7	8	9	8	9
CHANNEL NO.															
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4	6-6	8-8	0-0	5-5	2-2
	9L	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	8R	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	8L	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4	6-6	8-8	0-0	5-5	2-2
	7R	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4	6-6	8-8	0-0	5-5	2-2
	7L	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	6R	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	6L	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4	6-6	8-8	0-0	5-5	2-2
	5R	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4	6-6	8-8	0-0	5-5	2-2
	5L	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	4R	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	4L	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4	6-6	8-8	0-0	5-5	2-2
	3R	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4	6-6	8-8	0-0	5-5	2-2
	3L	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	2R	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	2L	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4	6-6	8-8	0-0	5-5	2-2
	1R	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4	6-6	8-8	0-0	5-5	2-2
	1L	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	OR	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	OL	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4	6-6	8-8	0-0	5-5	2-2
JC RELAY				1	0	3	2	5	4	7	6	9	8	9	8
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	9L	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4	6-6	8-8	0-0	5-5	2-2
	8R	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4	6-6	8-8	0-0	5-5	2-2
	8L	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	7R	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	7L	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4	6-6	8-8	0-0	5-5	2-2
	6R	0-0	8-8	1-0	5-5	2-2	7-7	3-3	9-9	4-4	6-6	8-8	0-0	5-5	2-2
	6L	8-8	0-0	5-5	1-0	7-7	2-2	9-9	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	5R	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	5L	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4	6-6	8-8	0-0	5-5	2-2
	4R	0-0	5-5	1-0	7-7	2-2	9-9	3-3	6-6	4-4	6-6	8-8	0-0	5-5	2-2
	4L	5-5	0-0	7-7	1-0	9-9	2-2	6-6	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	3R	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	3L	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4	6-6	8-8	0-0	5-5	2-2
	2R	0-0	7-7	1-0	9-9	2-2	6-6	3-3	8-8	4-4	6-6	8-8	0-0	5-5	2-2
	2L	7-7	0-0	9-9	1-0	6-6	2-2	8-8	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	1R	6-6	0-0	8-8	1-0	5-5	2-2	7-7	3-3	4-4	6-6	8-8	0-0	5-5	2-2
	1L	0-0	6-6	1-0	8-8	2-2	5-5	3-3	7-7	4-4	6-6	8-8	0-0	5-5	2-2
	OR	0-0	9-9	1-0	6-6	2-2	8-8	3-3	5-5	4-4	6-6	8-8	0-0	5-5	2-2
	OL	9-9	0-0	6-6	1-0	8-8	2-2	5-5	3-3	4-4	6-6	8-8	0-0	5-5	2-2
JC RELAY				1	0	3	2	5	4	7	6	9	8	9	8
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9	6-8	8-8	0-0	5-5	2-2
	9L	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2	4-9	6-8	8-8	0-0	5-5	2-2
	8R	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2	4-7	6-6	8-8	0-0	5-5	2-2
	8L	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7	6-6	8-8	0-0	5-5	2-2
	7R	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6	6-6	8-8	0-0	5-5	2-2
	7L	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2	4-6	6-6	8-8	0-0	5-5	2-2
	6R	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2	4-9	6-8	8-8	0-0	5-5	2-2
	6L	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9	6-8	8-8	0-0	5-5	2-2
	5R	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8	6-6	8-8	0-0	5-5	2-2
	5L	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2	4-8	6-6	8-8	0-0	5-5	2-2
	4R	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2	4-6	6-6	8-8	0-0	5-5	2-2
	4L	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6	6-6	8-8	0-0	5-5	2-2
	3R	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5	6-6	8-8	0-0	5-5	2-2
	3L	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2	4-5	6-6	8-8	0-0	5-5	2-2
	2R	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2	4-8	6-6	8-8	0-0	5-5	2-2
	2L	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8	6-6	8-8	0-0	5-5	2-2
	1R	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7	6-6	8-8	0-0	5-5	2-2
	1L	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2	4-7	6-6	8-8	0-0	5-5	2-2
	OR	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2	4-5	6-6	8-8	0-0	5-5	2-2
	OL	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5	6-6	8-8	0-0	5-5	2-2
JC RELAY				1	0	3	2	5	4	7	6	9	8	9	8
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2	4-9	6-8	8-8	0-0	5-5	2-2
	9L	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9	6-8	8-8	0-0	5-5	2-2
	8R	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7	6-6	8-8	0-0	5-5	2-2
	8L	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2	4-7	6-6	8-8	0-0	5-5	2-2
	7R	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2	4-6	6-6	8-8	0-0	5-5	2-2
	7L	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6	6-6	8-8	0-0	5-5	2-2
	6R	0-1	5-5	1-1	7-7	3-3	6-6	2-2	9-4	4-9	6-8	8-8	0-0	5-5	2-2
	6L	5-5	0-1	7-7	1-1	6-6	3-3	9-4	2-2	4-9	6-8	8-8	0-0	5-5	2-2
	5R	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2	4-8	6-6	8-8	0-0	5-5	2-2
	5L	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8	6-6	8-8	0-0	5-5	2-2
	4R	0-1	7-7	1-1	9-9	3-3	8-8	2-2	6-4	4-6	6-6	8-8	0-0	5-5	2-2
	4L	7-7	0-1	9-9	1-1	8-8	3-3	6-4	2-2	4-6	6-6	8-8	0-0	5-5	2-2
	3R	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2	4-5	6-6	8-8	0-0	5-5	2-2
	3L	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5	6-6	8-8	0-0	5-5	2-2
	2R	0-1	9-9	1-1	6-6	3-3	5-5	2-2	8-4	4-8	6-6	8-8	0-0	5-5	2-2
	2L	9-9	0-1	6-6	1-1	5-5	3-3	8-4	2-2	4-8	6-6	8-8	0-0	5-5	2-2
	1R	8-8	0-1	5-5	1-1	9-9	3-3	7-4	2-2	4-7	6-6	8-8	0-0	5-5	2-2
	1L	0-1	8-8	1-1	5-5	3-3	9-9	2-2	7-4	4-7	6-6	8-8	0-0	5-5	2-2
	OR	0-1	6-6	1-1	8-8	3-3	7-7	2-2	5-4	4-5	6-6	8-8	0-0	5-5	2-2
	OL	6-6	0-1	8-8	1-1	7-7	3-3	5-4	2-2	4-5	6-6	8-8	0-0	5-5	2-2
JC RELAY				1	0	3	2	5	4	7	6	9	8	9	8

- NOTES:
- THIS CHART IS FOR USE WHEN CONVERTING FROM THE 4,D-4,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG.2 TO THE 8,D-8,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG.8.
 - REPRESENTS JUNCTORS OTHER THAN FIRST SUBGROUP JUNCTORS WHICH ARE REUSED WHEN CONVERTING TO THE 8,D-8,O JUNCTOR DISTRIBUTION ARRANGEMENT.

Fig. 17 – Junctor Conversion Chart — 4,D - 4,O Size with Junctor Assignment per ED-25016-01, Fig. 2 to 8,D - 8,O Size

1ST SUB-GROUP					2ND SUB-GROUP				
OFFICE FRAME	0	1	2	3	0	1	2	3	
JC RELAY	0	1	2	3	6	7	8	9	
CHANNEL NO. →									
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	9L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	8R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	8L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	7R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	7L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	6R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	6L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	5R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	5L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	4R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	4L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	3R	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	3L	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	2R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	2L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	1R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	1L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	0R	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	0L	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
JC RELAY	1	0	3	2	7	6	9	8	
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	9L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	8R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	8L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	7R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	7L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	6R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	6L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	5R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	5L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	4R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	4L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	3R	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	3L	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	2R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	2L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	1R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	1L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	0R	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	0L	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
OFFICE FRAME					0	1	2	3	
JC RELAY					0	1	2	3	
CHANNEL NO. →									
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	4-4	8-8	3-3	6-6
	9L	5-5	0-1	7-7	1-1	8-8	4-4	6-6	3-3
	8R	8-8	0-1	5-5	1-1	6-6	4-4	9-9	3-3
	8L	0-1	8-8	1-1	5-5	4-4	6-6	3-3	9-9
	7R	0-1	7-7	1-1	9-9	4-4	5-5	3-3	8-8
	7L	7-7	0-1	9-9	1-1	5-5	4-4	8-8	3-3
	6R	5-5	0-1	7-7	1-1	8-8	4-4	6-6	3-3
	6L	0-1	5-5	1-1	7-7	4-4	8-8	3-3	6-6
	5R	0-1	9-9	1-1	6-6	4-4	7-7	3-3	5-5
	5L	9-9	0-1	6-6	1-1	7-7	4-4	5-5	3-3
	4R	7-7	0-1	9-9	1-1	5-5	4-4	8-8	3-3
	4L	0-1	7-7	1-1	9-9	4-4	5-5	3-3	8-8
	3R	0-1	6-6	1-1	8-8	4-4	9-9	3-3	7-7
	3L	6-6	0-1	8-8	1-1	9-9	4-4	7-7	3-3
	2R	9-9	0-1	6-6	1-1	7-7	4-4	5-5	3-3
	2L	0-1	9-9	1-1	6-6	4-4	7-7	3-3	5-5
	1R	0-1	8-8	1-1	5-5	4-4	6-6	3-3	9-9
	1L	8-8	0-1	5-5	1-1	6-6	4-4	9-9	3-3
	0R	6-6	0-1	8-8	1-1	9-9	4-4	7-7	3-3
	0L	0-1	6-6	1-1	8-8	4-4	9-9	3-3	7-7
JC RELAY	1	0	3	2	9	8	7	6	
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	8-8	4-4	6-6	3-3
	9L	0-1	5-5	1-1	7-7	4-4	8-8	3-3	6-6
	8R	0-1	8-8	1-1	5-5	4-4	6-6	3-3	9-9
	8L	8-8	0-1	5-5	1-1	6-6	4-4	9-9	3-3
	7R	7-7	0-1	9-9	1-1	5-5	4-4	8-8	3-3
	7L	0-1	7-7	1-1	9-9	4-4	5-5	3-3	8-8
	6R	0-1	5-5	1-1	7-7	4-4	8-8	3-3	6-6
	6L	5-5	0-1	7-7	1-1	8-8	4-4	6-6	3-3
	5R	9-9	0-1	6-6	1-1	7-7	4-4	5-5	3-3
	5L	0-1	9-9	1-1	6-6	4-4	7-7	3-3	5-5
	4R	0-1	7-7	1-1	9-9	4-4	5-5	3-3	8-8
	4L	7-7	0-1	9-9	1-1	5-5	4-4	8-8	3-3
	3R	6-6	0-1	8-8	1-1	9-9	4-4	7-7	3-3
	3L	0-1	6-6	1-1	8-8	4-4	9-9	3-3	7-7
	2R	0-1	9-9	1-1	6-6	4-4	7-7	3-3	5-5
	2L	9-9	0-1	6-6	1-1	7-7	4-4	5-5	3-3
	1R	8-8	0-1	5-5	1-1	6-6	4-4	9-9	3-3
	1L	0-1	8-8	1-1	5-5	4-4	6-6	3-3	9-9
	0R	0-1	6-6	1-1	8-8	4-4	9-9	3-3	7-7
	0L	6-6	0-1	8-8	1-1	9-9	4-4	7-7	3-3

- NOTES:
- THIS CHART IS FOR USE WHEN CONVERTING FROM THE 4,D-4,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 6 TO THE 6,D-6,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 7.
 - ◻◻◻◻ REPRESENTS A JUNCTOR REMOVED FROM SERVICE WHEN CONVERTING TO THE 6,D-6,O JUNCTOR DISTRIBUTION ARRANGEMENT.

Fig. 18 – Junctor Conversion Chart — 4,D - 4,O Size with Junctor Assignment per ED-25016-01, Fig. 6 to 6,D - 6,O Size

		1ST SUB-GROUP				2ND SUB-GROUP			
OFFICE FRAME		0	1	2	3	0	1	2	3
JC RELAY		0	1	2	3	6	7	8	9
CHANNEL NO. →									
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	9L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	8R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	8L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	7R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	7L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	6R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	6L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	5R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	5L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	4R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	4L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	3R	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	3L	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	2R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	2L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	1R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	1L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	OR	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	OL	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
JC RELAY		1	0	3	2	7	6	9	8
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	9L	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	8R	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	8L	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	7R	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	7L	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	6R	0-0	8-8	1-0	5-5	3-3	9-9	4-4	6-6
	6L	8-8	0-0	5-5	1-0	9-9	3-3	6-6	4-4
	5R	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	5L	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	4R	0-0	5-5	1-0	7-7	3-3	6-6	4-4	8-8
	4L	5-5	0-0	7-7	1-0	6-6	3-3	8-8	4-4
	3R	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
	3L	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	2R	0-0	7-7	1-0	9-9	3-3	8-8	4-4	5-5
	2L	7-7	0-0	9-9	1-0	8-8	3-3	5-5	4-4
	1R	6-6	0-0	8-8	1-0	7-7	3-3	9-9	4-4
	1L	0-0	6-6	1-0	8-8	3-3	7-7	4-4	9-9
	OR	0-0	9-9	1-0	6-6	3-3	5-5	4-4	7-7
	OL	9-9	0-0	6-6	1-0	5-5	3-3	7-7	4-4
OFFICE FRAME		0	1	2	3	0	1	2	3
JC RELAY		0	1	2	3	8	9	6	7
CHANNEL NO. →									
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	9L	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	8R	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	8L	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	7R	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	7L	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	6R	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	6L	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	5R	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	5L	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	4R	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	4L	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	3R	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	3L	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	2R	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	2L	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	1R	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	1L	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	OR	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	OL	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
JC RELAY		1	0	3	2	9	8	7	6
DISTRICT FRAME 3	9R	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	9L	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	8R	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	8L	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	7R	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	7L	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	6R	0-1	5-5	1-1	7-7	4-4	8-7	3-3	6-8
	6L	5-5	0-1	7-7	1-1	8-7	4-4	6-8	3-3
	5R	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	5L	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	4R	0-1	7-7	1-1	9-9	4-4	5-9	3-3	8-5
	4L	7-7	0-1	9-9	1-1	5-9	4-4	8-5	3-3
	3R	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3
	3L	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	2R	0-1	9-9	1-1	6-6	4-4	7-6	3-3	5-7
	2L	9-9	0-1	6-6	1-1	7-6	4-4	5-7	3-3
	1R	8-8	0-1	5-5	1-1	6-5	4-4	9-6	3-3
	1L	0-1	8-8	1-1	5-5	4-4	6-5	3-3	9-6
	OR	0-1	6-6	1-1	8-8	4-4	9-8	3-3	7-9
	OL	6-6	0-1	8-8	1-1	9-8	4-4	7-9	3-3

- NOTES:
- THIS CHART IS FOR USE WHEN CONVERTING FROM THE 4,D-4,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 6 TO THE 8,D-8,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 8.
 - REPRESENTS JUNCTORS OTHER THAN FIRST SUBGROUP JUNCTORS WHICH ARE REUSED WHEN CONVERTING TO THE 8,D - 8,O JUNCTOR DISTRIBUTION ARRANGEMENT.

Fig. 19 - Junctor Conversion Chart — 4,D - 4,O Size with Junctor Assignment per ED-25016-01, Fig. 6 to 8,D - 8,O Size

1ST SUB-GROUP													2ND SUB-GROUP												
OFFICE FRAME		0	1	2	3	4	5	0	1	2	3	4	5	OFFICE FRAME		0	1	2	3	4	5				
JC RELAY		0	1	2	3	4	5	6	7	8	9	8	9	JC RELAY		0	1	2	3	4	5				
CHANNEL NO. —														CHANNEL NO. —											
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6	4-4	6-6	9R	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6			
	9L	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6	4-4	6-6	9L	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6			
	8R	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6	4-4	6-6	8R	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6			
	8L	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6	4-4	6-6	8L	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6			
	7R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6	4-4	6-6	7R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6			
	7L	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6	4-4	6-6	7L	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6			
	6R	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6	4-4	6-6	6R	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6			
	6L	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6	4-4	6-6	6L	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6			
	5R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6	4-4	6-6	5R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6			
	5L	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6	4-4	6-6	5L	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6			
	4R	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6	4-4	6-6	4R	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6			
	4L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6	4-4	6-6	4L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6			
	3R	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6	4-4	6-6	3R	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6			
	3L	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6	4-4	6-6	3L	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6			
	2R	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6	4-4	6-6	2R	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6			
	2L	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6	4-4	6-6	2L	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6			
	1R	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6	4-4	6-6	1R	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6			
	OR	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6	4-4	6-6	OR	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6			
	OL	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6	4-4	6-6	OL	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6			
	JC RELAY		1	0	3	2	5	4	7	6	9	8	8	9	JC RELAY		1	0	3	2	5	4	7		
DISTRICT FRAME 1	9R	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6	4-4	6-6	9R	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6			
	9L	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6	4-4	6-6	9L	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6			
	8R	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6	4-4	6-6	8R	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6			
	8L	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6	4-4	6-6	8L	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6			
	7R	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6	4-4	6-6	7R	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6			
	7L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6	4-4	6-6	7L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6			
	6R	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6	4-4	6-6	6R	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	6-6			
	6L	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6	4-4	6-6	6L	8-8	0-0	5-5	1-0	7-7	2-0	3-3	4-4	6-6			
	5R	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6	4-4	6-6	5R	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6			
	5L	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6	4-4	6-6	5L	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6			
	4R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6	4-4	6-6	4R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	4-4	6-6			
	4L	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6	4-4	6-6	4L	5-5	0-0	7-7	1-0	9-9	2-0	3-3	4-4	6-6			
	3R	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6	4-4	6-6	3R	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6			
	3L	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6	4-4	6-6	3L	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6			
	2R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6	4-4	6-6	2R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	4-4	6-6			
	2L	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6	4-4	6-6	2L	7-7	0-0	9-9	1-0	6-6	2-0	3-3	4-4	6-6			
	1R	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6	4-4	6-6	1R	6-6	0-0	8-8	1-0	5-5	2-0	3-3	4-4	6-6			
	1L	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6	4-4	6-6	1L	0-0	6-6	1-0	8-8	2-0	5-5	3-3	4-4	6-6			
	OR	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6	4-4	6-6	OR	0-0	9-9	1-0	6-6	2-0	8-8	3-3	4-4	6-6			
	OL	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6	4-4	6-6	OL	9-9	0-0	6-6	1-0	8-8	2-0	3-3	4-4	6-6			
JC RELAY		1	0	3	2	5	4	7	6	9	8	8	9	JC RELAY		1	0	3	2	5	4	7			
DISTRICT FRAME 2	9R	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6	4-4	6-6	9R	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6			
	9L	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6	4-4	6-6	9L	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6			
	8R	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6	4-4	6-6	8R	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6			
	8L	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6	4-4	6-6	8L	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6			
	7R	0-1	7-7	1-1	9-9	2-1	6-6	4-4	3-3	6-6	4-4	6-6	7R	0-1	7-7	1-1	9-9	2-1	6-6	4-4	3-3	6-6			
	7L	7-7	0-1	9-9	1-1	6-6	2-1	4-4	3-3	6-6	4-4	6-6	7L	7-7	0-1	9-9	1-1	6-6	2-1	4-4	3-3	6-6			
	6R	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6	4-4	6-6	6R	5-5	0-1	7-7	1-1	9-9	2-1	4-4	3-3	6-6			
	6L	0-1	5-5	1-1	7-7	2-1	9-9	4-4	3-3	6-6	4-4	6-6	6L	0-1	5-5	1-1	7-7	2-1	9-9	4-4	3-3	6-6			
	5R	0-1	9-9	1-1	6-6	2-1	8-8	4-4	3-3	6-6	4-4	6-6	5R	0-1	9-9	1-1	6-6	2-1	8-8	4-4	3-3	6-6			
	5L	9-9	0-1	6-6	1-1	8-8	2-1	4-4	3-3	6-6	4-4	6-6	5L	9-9	0-1	6-6	1-1	8-8	2-1	4-4	3-3	6-6			
	4R	7-7	0-1	9-9	1-1	6-6	2-1	4-4	3-3	6-6	4-4	6-6	4R	7-7	0-1	9-9	1-1	6-6	2-1	4-4	3-3	6-6			
	4L	0-1	7-7	1-1	9-9	2-1	6-6	4-4	3-3	6-6	4-4	6-6	4L	0-1	7-7	1-1	9-9	2-1	6-6	4-4	3-3	6-6			
	3R	0-1	6-6	1-1	8-8	2-1	5-5	4-4	3-3	6-6	4-4	6-6	3R	0-1	6-6	1-1	8-8	2-1	5-5	4-4	3-3	6-6			
	3L	6-6	0-1	8-8	1-1	5-5	2-1	4-4	3-3	6-6	4-4	6-6	3L	6-6	0-1	8-8	1-1	5-5	2-1	4-4	3-3	6-6			
	2R	9-9	0-1	6-6	1-1	8-8	2-1	4-4	3-3	6-6	4-4	6-6	2R	9-9	0-1	6-6	1-1	8-8	2-1	4-4	3-3	6-6			
	2L	0-1	9-9	1-1	6-6	2-1	8-8	4-4	3-3	6-6	4-4	6-6	2L	0-1	9-9	1-1	6-6	2-1	8-8	4-4	3-3	6-6			
	1R	0-1	8-8	1-1	5-5	2-1	7-7	4-4	3-3	6-6	4-4	6-6	1R	0-1	8-8	1-1	5-5	2-1	7-7	4-4	3-3	6-6			
	1L	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6	4-4	6-6	1L	8-8	0-1	5-5	1-1	7-7	2-1	4-4	3-3	6-6			
	OR	0-1	6-6	1-1	8-8	2-1	5-5	4-4	3-3	6-6	4-4	6-6	OR	0-1	6-6	1-1	8-8	2-1	5-5	4-4	3-3	6-6			
	OL	6-6	0-1	8-8	1-1	5-5	2-1	4-4	3-3	6-6	4-4	6-6	OL	6-6	0-1	8-8	1-1	5-5	2-1	4-4	3-3	6-6			
JC RELAY		1	0	3	2	5	4	7	6	9	8	8	9	JC RELAY		1	0	3	2	5	4	7			

1ST SUB-GROUP										2ND SUB-GROUP										3RD SUB-GROUP									
OFFICE FRAME										OFFICE FRAME										OFFICE FRAME									
JC RELAY										JC RELAY										JC RELAY									
CHANNEL NO.										CHANNEL NO.										CHANNEL NO.									
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5-5	2-0	7-7	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	9L	8-0	0-0	5-5	1-0	7-7	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	8R	6-0	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	8L	0-0	6-6	1-0	8-8	2-0	5-5	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	7R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	7L	5-5	0-0	7-7	1-0	9-9	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	6R	8-0	0-0	5-5	1-0	7-7	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	6L	0-0	8-8	1-0	5-5	2-0	7-7	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	5R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	5L	7-7	0-0	9-9	1-0	6-6	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	4R	5-5	0-0	7-7	1-0	9-9	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	4L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	3R	0-0	9-9	1-0	6-6	2-0	8-8	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	3L	9-9	0-0	6-6	1-0	8-8	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	2R	7-7	0-0	9-9	1-0	6-6	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	2L	0-0	7-7	1-0	9-9	2-0	6-6	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	1R	0-0	6-6	1-0	8-8	2-0	5-5	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	1L	6-6	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	0R	9-9	0-0	6-6	1-0	8-8	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	0L	0-0	9-9	1-0	6-6	2-0	8-8	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
JC RELAY										JC RELAY										JC RELAY									
1 0 3 2 5 4 7 6 9 8										1 0 3 2 5 4 7 6 9 8										1 0 3 2 5 4 7 6 9 8									
DISTRICT FRAME 1	9R	8-0	0-0	5-5	1-0	7-7	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	9L	0-0	8-8	1-0	5-5	2-0	7-7	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	8R	0-0	6-6	1-0	8-8	2-0	5-5	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	8L	6-6	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	7R	5-5	0-0	7-7	1-0	9-9	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	7L	0-0	5-5	1-0	7-7	2-0	9-9	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	6R	0-0	8-8	1-0	5-5	2-0	7-7	2-0	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	6L	8-0	0-0	5-5	1-0	7-7	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	5R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	5L	7-7	0-0	9-9	1-0	6-6	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	4R	0-0	5-5	1-0	7-7	2-0	9-9	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	4L	5-5	0-0	7-7	1-0	9-9	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	3R	9-9	0-0	6-6	1-0	8-8	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	3L	0-0	9-9	1-0	6-6	2-0	8-8	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	2R	0-0	7-7	1-0	9-9	2-0	6-6	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	2L	7-7	0-0	9-9	1-0	6-6	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	1R	6-6	0-0	8-8	1-0	5-5	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	1L	0-0	6-6	1-0	8-8	2-0	5-5	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	0R	0-0	9-9	1-0	6-6	2-0	8-8	3-3	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
	0L	9-9	0-0	6-6	1-0	8-8	2-0	7-7	3-3	4-4	9-4	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	6-6	
JC RELAY										JC RELAY										JC RELAY									
1 0 3 2 5 4 7 6 9 8										1 0 3 2 5 4 7 6 9 8										1 0 3 2 5 4 7 6 9 8									
DISTRICT FRAME 2	9R	0-1	5-5	1-1	7-7	2-1	9-9	2-1	4-4	3-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	
	9L	5-5	0-1	7-7	1-1	9-9	2-1	7-7	4-4	3-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	8-3	
	8R	8-8</																											

NOTES:

1. THIS CHART IS FOR USE WHEN CONVERTING FROM THE 8,D-8,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01 FIG.3 TO THE 8,D-8,O SIZE WITH JUNCTOR DISTRIBUTION PER ED-25016-01 FIG.8.

2.  REPRESENTS JUNCTORS, OTHER THAN FIRST SUBGROUP JUNCTORS, WHICH ARE REUSED WHEN CONVERTING TO THE 8,D-8,O JUNCTOR DISTRIBUTION ARRANGEMENT

Fig. 21 – Junctor Conversion Chart — 6,D - 6,O Size with Junctor Assignment per ED-25016-01, Fig. 3 to 8,D - 8,O Size

1ST SUB-GROUP											2ND SUB-GROUP																			
OFFICE FRAME											OFFICE FRAME																			
JC RELAY											JC RELAY																			
CHANNEL NO.											CHANNEL NO.																			
DISTRICT FRAME 0	9R	0-0	8-8	1-0	5	5	2-0	7-7	3-0	9-9					9R	0-2	7-7	1-2	9-9	2-2	6	6	3-2	8-8						
	9L	8-8	0-0	5	5	1-0	7-7	2-0	9-9	3-0					9L	7-7	0-2	9-9	1-2	6	6	2-2	8-8	3-2						
	8R	6	6	0-0	8-8	1-0	5	5	2-0	7-7	3-0				8R	5	5	0-2	7-7	1-2	9-9	2-2	6	6	3-2					
	8L	0-0	6	6	1-0	8-8	2-0	5	5	3-0	7-7	4	4		8L	0-2	5	5	1-2	7-7	2-2	9-9	3-2	6	6	4				
	7R	0-0	5	5	1-0	7-7	2-0	9-9	3-0	6	6				7R	0-2	9-9	1-2	6	6	2-2	8-8	3-2	5	5					
	7L	5	5	0-0	7-7	1-0	9-9	2-0	6	6	3-0				7L	9-9	0-2	6	6	1-2	8-8	2-2	5	5	3-2					
	6R	8-8	0-0	5	5	1-0	7-7	2-0	9-9	3-0					6R	7-7	0-2	9-9	1-2	6	6	2-2	8-8	3-2						
	6L	0-0	8-8	1-0	5	5	2-0	7-7	3-0	9-9					6L	0-2	7-7	1-2	9-9	2-2	6	6	3-2	8-8						
	5R	0-0	7-7	1-0	9-9	2-0	6	6	3-0	8-8					5R	0-2	6	6	1-2	8-8	2-2	5	5	3-2	7-7					
	5L	7-7	0-0	9-9	1-0	6	6	2-0	8-8	3-0					5L	6	6	0-2	8-8	1-2	5	5	2-2	7-7	3-2					
	4R	5	5	0-0	7-7	1-0	9-9	2-0	6	6	3-0				4R	9-9	0-2	6	6	1-2	8-8	2-2	5	5	3-2					
	4L	0-0	5	5	1-0	7-7	2-0	9-9	3-0	6	6	4	4		4L	0-2	9-9	1-2	6	6	2-2	8-8	3-2	5	5					
	3R	0-0	9-9	1-0	6	6	2-0	8-8	3-0	5	5				3R	0-2	8-8	1-2	5	5	2-2	7-7	3-2	9-9						
	3L	9-9	0-0	6	6	1-0	8-8	2-0	5	5	3-0				3L	8-8	0-2	5	5	1-2	7-7	2-2	9-9	3-2						
	2R	7-7	0-0	9-9	1-0	6	6	2-0	8-8	3-0	5	5			2R	6	6	0-2	8-8	1-2	5	5	2-2	7-7	3-2					
	2L	0-0	7-7	1-0	9-9	2-0	6	6	3-0	8-8					2L	0-2	6	6	1-2	8-8	2-2	5	5	3-2	7-7					
	1R	0-0	6	6	1-0	8-8	2-0	5	5	3-0	7-7				1R	0-2	5	5	1-2	7-7	2-2	9-9	3-2	6	6					
1L	6	6	0-0	8-8	1-0	5	5	2-0	7-7	3-0				1L	5	5	0-2	7-7	1-2	9-9	2-2	6	6	3-2						
0R	9-9	0-0	6	6	1-0	8-8	2-0	5	5	3-0				0R	8-8	0-2	5	5	1-2	7-7	2-2	9-9	3-2							
0L	9-9	0-0	6	6	1-0	8-8	2-0	5	5	3-0				0L	0-2	8-8	1-2	5	5	2-2	7-7	3-2	9-9							
JC RELAY	1	0	3	2	5	4	7	8	9	8	9	8	9	8	JC RELAY	1	0	3	2	5	4	7	8	9	8	9	8	9	8	
DISTRICT FRAME 1	9R	8-8	0-0	5	5	1-0	7-7	2-0	9-9	3-0					9R	7-7	0-2	9-9	1-2	6	6	2-2	8-8	3-2						
	9L	0-0	8-8	1-0	5	5	2-0	7-7	3-0	9-9					9L	0-2	7-7	1-2	9-9	2-2	6	6	3-2	8-8						
	8R	0-0	6	6	1-0	8-8	2-0	5	5	3-0	7-7	4	4		8R	0-2	5	5	1-2	7-7	2-2	9-9	3-2	6	6					
	8L	6	6	0-0	8-8	1-0	5	5	2-0	7-7	3-0				8L	5	5	0-2	7-7	1-2	9-9	2-2	6	6	3-2					
	7R	5	5	0-0	7-7	1-0	9-9	2-0	6	6	3-0				7R	9-9	0-2	6	6	1-2	8-8	2-2	5	5	3-2					
	7L	0-0	5	5	1-0	7-7	2-0	9-9	3-0	6	6				7L	0-2	9-9	1-2	6	6	2-2	8-8	3-2	5	5					
	6R	0-0	8-8	1-0	5	5	2-0	7-7	3-0	9-9					6R	0-2	7-7	1-2	9-9	2-2	6	6	3-2	8-8						
	6L	7-7	0-0	9-9	1-0	6	6	2-0	8-8	3-0					6L	7-7	0-2	9-9	1-2	6	6	2-2	8-8	3-2						
	5R	7-7	0-0	9-9	1-0	6	6	2-0	8-8	3-0					5R	6	6	0-2	8-8	1-2	5	5	2-2	7-7	3-2					
	5L	0-0	7-7	1-0	9-9	2-0	6	6	3-0	8-8					5L	0-2	6	6	1-2	8-8	2-2	5	5	3-2	7-7					
	4R	0-0	5	5	1-0	7-7	2-0	9-9	3-0	6	6	4	4		4R	0-2	9-9	1-2	6	6	2-2	8-8	3-2	5	5					
	4L	5	5	0-0	7-7	1-0	9-9	2-0	6	6	3-0				4L	9-9	0-2	6	6	1-2	8-8	2-2	5	5	3-2					
	3R	9-9	0-0	6	6	1-0	8-8	2-0	5	5	3-0				3R	8-8	0-2	5	5	1-2	7-7	2-2	9-9	3-2						
	3L	0-0	9-9	1-0	6	6	2-0	8-8	3-0	5	5				3L	0-2	8-8	1-2	5	5	2-2	7-7	3-2	9-9						
	2R	0-0	7-7	1-0	9-9	2-0	6	6	3-0	8-8					2R	0-2	6	6	1-2	8-8	2-2	5	5	3-2	7-7					
	2L	7-7	0-0	9-9	1-0	6	6	2-0	8-8	3-0					2L	6	6	0-2	8-8	1-2	5	5	2-2	7-7	3-2					
	1R	6	6	0-0	8-8	1-0	5	5	2-0	7-7	3-0				1R	0-2	5	5	1-2	7-7	2-2	9-9	3-2	6	6					
1L	0-0	6	6	1-0	8-8	2-0	5	5	3-0	7-7				1L	0-2	5	5	1-2	7-7	2-2	9-9	3-2	6	6						
0R	0-0	9-9	1-0	6	6	2-0	8-8	3-0	5	5	4	4		0R	0-2	8-8	1-2	5	5	2-2	7-7	3-2	9-9							
0L	9-9	0-0	6	6	1-0	8-8	2-0	5	5	3-0				0L	8-8	0-2	5	5	1-2	7-7	2-2	9-9	3-2							
JC RELAY	0	1	2	3	4	5	6	7	8	9	8	9	8	9	JC RELAY	0	1	2	3	4	5	6	7	8	9	8	9	8		
DISTRICT FRAME 2	9R	0-1	5	5	1-1	7-7	2-1	9-9	3-1	6	6				9R	0-3	9-9	1-3	6	6	2-3	8-8	3-3	5	5					
	9L	5	5	0-1	7-7	1-1	9-9	2-1	6	6	3-1				9L	9-9	0-3	6	6	1-3	8-8	2-3	5	5	3-3					
	8R	8-8	0-1	5	5	1-1	7-7	2-1	9-9	3-1					8R	7-7	0-3	9-9	1-3	6	6	2-3	8-8	3-3						
	8L	0-1	8-8	1-1	5	5	2-1	7-7	3-1	9-9					8L	0-3	7-7	1-3	9-9	2-3	6	6	3-3	8-8						
	7R	0-1	7-7	1-1	9-9	2-1	6	6	3-1	8-8	4	4			7R	0-3	6	6	1-3	8-8	2-3	5	5	3-3	7-7					
	7L	7-7	0-1	9-9	1-1	6	6	2-1	8-8	3-1					7L	6	6	0-3	8-8	1-3	5	5	2-3	7-7	3-3					
	6R	5	5	0-1	7-7	1-1	9-9	2-1	6	6	3-1				6R	9-9	0-3	6	6	1-3	8-8	2-3	5	5	3-3					
	6L	0-1	5	5	1-1	7-7	2-1	9-9	3-1	6	6				6L	0-3	9-9	1-3	6	6	2-3	8-8	3-3	5	5					
	5R	0-1	9-9	1-1	6	6	2-1	8-8	3-1	5	5				5R	0-3	8-8	1-3	5	5	2-3	7-7	3-3	9-9						
	5L	9-9	0-1	6	6	1-1	8-8	2-1	5	5	3-1				5L	8-8	0-3	5	5	1-3	7-7	2-3	9-9	3-3	6	6				
	4R	7-7	0-1	9-9	1-1	6	6	2-1	8-8	3-1					4R	0-3	6	6	1-3	8-8	2-3	5	5	3-3	7-7					
	4L	0-1	7-7	1-1	9-9	2-1	6	6	3-1	8-8					4L	0-3	6	6	1-3	8-8	2-3	5	5	3-3	7-7					
	3R	0-1	6	6	1-1	8-8	2-1	5	5	3-1	7-7	4	4		3R	0-3	5	5	1-3	7-7	2-3	9-9	3-3	6	6					
	3L	6	6	0-1	8-8	1-1	5	5	2-1	7-7	3-1				3L	5	5	0-3	7-7	1-3	9-9	2-3	6	6	3-3					
	2R	9-9	0-1	6	6	1-1	8-8	2-1	5	5	3-1				2R	8-8	0-3	5	5	1-3	7-7	2-3	9-9	3-3						
	2L	0-1	9-9	1-1	6	6	2-1	8-8	3-1	5	5				2L	0-3	8-8	1-3	5	5	2-3	7-7	3-3	9-9						
	1R	0-1	8-8	1-1	5	5	2-1	7-7	3-1	9-9					1R	0-3	7-7	1-3	9-9	2-3	6	6	3-3	8-8						
1L	8-8	0-1	5	5	1-1	7-7	2-1	9-9	3-1					1L	7-7	0-3	9-9	1-3	6	6	2-3	8-8	3-3							
0R	6	6	0-1	8-8	1-1	5	5	2-1	7-7	3-1				0R	5															

NOTES:
1. THIS CHART IS FOR USE WHEN CONVERTING FROM THE 8,D-8,O SIZE WITH JUNCTION DISTRIBUTION PER ED-25016-01, FIG. 8 TO THE 12D-12,O SIZE WITH JUNCTION DISTRIBUTION PER ED-25012-01, FIG. 2.
2.  REPRESENTS A JUNCTION REMOVED FROM SERVICE WHEN CONVERTING TO THE 12,D-12,O JUNCTION DISTRIBUTION ARRANGEMENT.

Fig. 23 – Junctor Conversion Chart — 8,D - 8,O Size with Junctor Assignment per ED-25016-01, Fig. 8 to 12,D - 12,O Size

CHANNEL NUMBER		OFFICE FRAME										CHANNEL NUMBER		OFFICE FRAME									
		0	1	2	3	4	5	6	7	8	9			0	1	2	3	4	5	6	7	8	9
JC RELAY		0	1	2	3	4	5	6	7	8	9	JC RELAY		0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 0	9R	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	606	9R	0-2	9-9	1-2	606	2-2	8-8	3-2	505	4-2	505	4-2
	9L	8-8	0-0	505	1-0	707	2-0	9-9	1-0	606	4-0	9L	0-2	707	1-2	9-9	2-2	606	3-2	8-8	4-2	505	4-2
	8R	606	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	8R	0-2	505	1-2	707	2-2	9-9	3-2	606	4-2	8-8	4-2
	8L	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	9-9	8L	0-2	505	0-2	707	1-2	9-9	2-2	606	3-2	8-8	4-2
	7R	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	8-8	7R	0-2	9-9	0-2	606	1-2	8-8	2-2	505	3-2	707	4-2
	7L	505	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	7L	0-2	9-9	1-2	606	2-2	8-8	3-2	505	4-2	707	4-2
	6R	8-8	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	6R	0-2	707	1-2	9-9	2-2	606	3-2	8-8	4-2	505	4-2
	6L	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	606	6L	0-2	707	0-2	9-9	1-2	606	2-2	8-8	3-2	505	4-2
	5R	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	505	5R	0-2	606	2	8-8	1-2	505	2	707	3-2	9-9	4-2
	5L	707	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	5L	0-2	606	1-2	8-8	2-2	505	3-2	707	4-2	9-9	4-2
	4R	505	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	4R	0-2	9-9	1-2	606	2-2	8-8	3-2	505	4-2	707	4-2
	4L	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	8-8	4L	0-2	9-9	0-2	606	1-2	8-8	2-2	505	3-2	707	4-2
	3R	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	707	3R	0-2	8-8	0-2	505	1-2	707	2-2	9-9	3-2	606	4-2
	3L	9-9	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	3L	0-2	8-8	1-2	505	2-2	707	3-2	9-9	4-2	606	4-2
	2R	707	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	2R	0-2	606	1-2	8-8	2-2	505	3-2	707	4-2	9-9	4-2
	2L	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	505	2L	0-2	606	0-2	8-8	1-2	505	2-2	707	3-2	9-9	4-2
1R	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	9-9	1R	0-2	505	1-2	707	2-2	606	3-2	8-8	4-2	9-9	4-2	
1L	606	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	1L	0-2	505	0-2	707	1-2	9-9	2-2	606	3-2	8-8	4-2	
0R	9-9	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	0R	0-2	8-8	1-2	505	2-2	707	3-2	9-9	4-2	606	4-2	
0L	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	707	0L	0-2	8-8	0-2	505	1-2	707	2-2	9-9	3-2	606	4-2	
JC RELAY		1	0	3	2	5	4	7	6	9	8	JC RELAY		0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 1	9R	8-8	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	9R	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3	707	4-3
	9L	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	606	9L	0-3	9-9	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3
	8R	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	9-9	8R	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3	505	4-3
	8L	606	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	8L	0-3	707	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3
	7R	505	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	7R	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3	9-9	4-3
	7L	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	8-8	7L	0-3	606	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3
	6R	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	606	6R	0-3	9-9	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3
	6L	8-8	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	6L	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3	707	4-3
	5R	707	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	5R	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3	606	4-3
	5L	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	505	5L	0-3	8-8	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3
	4R	0-0	505	1-0	707	2-0	9-9	3-0	606	4-0	8-8	4R	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3	9-9	4-3
	4L	505	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	4L	0-3	606	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3
	3R	9-9	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	3R	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3	8-8	4-3
	3L	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	707	3L	0-3	505	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3
	2R	0-0	707	1-0	9-9	2-0	606	3-0	8-8	4-0	505	2R	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3	606	4-3
	2L	707	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	2L	0-3	8-8	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3
1R	606	0-0	8-8	1-0	505	2-0	707	3-0	9-9	4-0	1R	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3	505	4-3	
1L	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	9-9	1L	0-3	707	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3	
0R	0-0	9-9	1-0	606	2-0	8-8	3-0	505	4-0	707	0R	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3	8-8	4-3	
0L	9-9	0-0	606	1-0	8-8	2-0	505	3-0	707	4-0	0L	0-3	505	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3	
JC RELAY		1	0	3	2	5	4	7	6	9	8	JC RELAY		0	1	2	3	4	5	6	7	8	9
DISTRICT FRAME 2	9R	0-1	505	1-1	707	2-1	9-9	3-1	606	4-1	8-8	9R	0-3	9-9	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3
	9L	505	0-1	707	1-1	9-9	2-1	606	3-1	8-8	4-1	9L	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3	707	4-3
	8R	8-8	0-1	505	1-1	707	2-1	9-9	3-1	606	4-1	8R	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3	505	4-3
	8L	0-1	8-8	1-1	505	2-1	707	3-1	9-9	4-1	606	8L	0-3	707	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3
	7R	0-1	707	1-1	9-9	2-1	606	3-1	8-8	4-1	505	7R	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3	9-9	4-3
	7L	707	0-1	9-9	1-1	606	2-1	8-8	3-1	505	4-1	7L	0-3	606	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3
	6R	505	0-1	707	1-1	9-9	2-1	606	3-1	8-8	4-1	6R	0-3	9-9	1-3	606	2-3	8-8	3-3	505	4-3	707	4-3
	6L	0-1	505	1-1	707	2-1	9-9	3-1	606	4-1	8-8	6L	0-3	9-9	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3
	5R	0-1	9-9	1-1	606	2-1	8-8	3-1	505	4-1	707	5R	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3	606	4-3
	5L	9-9	0-1	606	1-1	8-8	2-1	505	3-1	707	4-1	5L	0-3	8-8	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3
	4R	707	0-1	9-9	1-1	606	2-1	8-8	3-1	505	4-1	4R	0-3	606	1-3	8-8	2-3	505	3-3	707	4-3	9-9	4-3
	4L	0-1	707	1-1	9-9	2-1	606	3-1	8-8	4-1	505	4L	0-3	606	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3
	3R	0-1	606	1-1	8-8	2-1	505	3-1	707	4-1	9-9	3R	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3	8-8	4-3
	3L	606	0-1	8-8	1-1	505	2-1	707	3-1	9-9	4-1	3L	0-3	505	0-3	707	1-3	9-9	2-3	606	3-3	8-8	4-3
	2R	9-9	0-1	606	1-1	8-8	2-1	505	3-1	707	4-1	2R	0-3	8-8	1-3	505	2-3	707	3-3	9-9	4-3	606	4-3
	2L	0-1	9-9	1-1	606	2-1	8-8	3-1	505	4-1	707	2L	0-3	8-8	0-3	505	1-3	707	2-3	9-9	3-3	606	4-3
1R	0-1	8-8	1-1																				

OFFICE FRAME											
CHANNEL NUMBER	0	1	2	3	4	5	6	7	8	9	10
JC RELAYS	0	1	2	3	4	5	6	7	8	9	10
DISTRICT FRAME 0	9R	0-0	888	1-0	2-0	787	3-0	9-9	4-0	5-0	688
	9L	888	0-0	1-0	787	2-0	9-9	3-0	4-0	5-0	688
	8R	0-0	888	1-0	2-0	787	3-0	9-9	4-0	5-0	688
	8L	0-0	1-0	888	2-0	3-0	787	4-0	9-9	5-0	688
	7R	0-0	1-0	787	2-0	9-9	3-0	4-0	888	5-0	688
	7L	0-0	787	1-0	9-9	2-0	3-0	888	4-0	5-0	688
	6R	888	0-0	1-0	787	2-0	9-9	3-0	4-0	5-0	688
	6L	0-0	888	1-0	2-0	787	3-0	9-9	4-0	5-0	688
	5R	0-0	787	1-0	9-9	2-0	3-0	888	4-0	5-0	688
	5L	787	0-0	9-9	1-0	2-0	888	3-0	4-0	687	5-0
	4R	0-0	787	1-0	9-9	2-0	3-0	888	4-0	5-0	688
	4L	0-0	1-0	787	2-0	9-9	3-0	4-0	888	5-0	688
DISTRICT FRAME 5	3R	0-0	9-9	1-0	2-0	888	3-0	4-0	787	5-0	619
	3L	9-9	0-0	1-0	888	2-0	3-0	787	4-0	619	5-0
	2R	787	0-0	9-9	1-0	2-0	888	3-0	4-0	619	5-0
	2L	0-0	787	1-0	9-9	2-0	3-0	888	4-0	5-0	687
	1R	0-0	1-0	888	2-0	3-0	787	4-0	9-9	5-0	688
	1L	0-0	888	1-0	2-0	787	3-0	9-9	4-0	5-0	688
	0R	9-9	0-0	1-0	888	2-0	3-0	787	4-0	619	5-0
	0L	0-0	9-9	1-0	2-0	888	3-0	4-0	787	5-0	619
DISTRICT FRAME 10	9R	0-0	888	1-5	2-5	786	3-5	916	4-5	5-5	688
	9L	888	0-5	1-5	786	2-5	916	3-5	4-5	688	5-5
	8R	0-5	888	1-5	2-5	786	3-5	916	4-5	5-5	688
	8L	0-5	1-5	888	2-5	3-5	786	4-5	916	5-5	688
	7R	0-5	1-5	786	2-5	916	3-5	4-5	888	5-5	688
	7L	0-5	786	1-5	916	2-5	3-5	888	4-5	5-5	688
	6R	888	0-5	1-5	786	2-5	916	3-5	4-5	5-5	688
	6L	0-5	888	1-5	2-5	786	3-5	916	4-5	5-5	688
	5R	0-5	786	1-5	916	2-5	3-5	888	4-5	5-5	688
	5L	786	0-5	916	1-5	2-5	888	3-5	4-5	688	5-5
	4R	0-5	786	1-5	916	2-5	3-5	888	4-5	5-5	688
	4L	0-5	1-5	786	2-5	916	3-5	4-5	888	5-5	688
DISTRICT FRAME 15	3R	0-5	916	1-5	2-5	888	3-5	4-5	786	5-5	619
	3L	916	0-5	1-5	888	2-5	3-5	786	4-5	619	5-5
	2R	786	0-5	916	1-5	2-5	888	3-5	4-5	619	5-5
	2L	0-5	786	1-5	916	2-5	3-5	888	4-5	5-5	688
	1R	0-5	1-5	888	2-5	3-5	786	4-5	916	5-5	688
	1L	0-5	888	1-5	2-5	786	3-5	916	4-5	5-5	688
	0R	916	0-5	1-5	888	2-5	3-5	786	4-5	619	5-5
	0L	0-5	916	1-5	2-5	888	3-5	4-5	786	5-5	619
DISTRICT FRAME 20	9R	0-0	888	1-3	2-3	785	3-3	915	4-3	5-3	688
	9L	888	0-3	1-3	785	2-3	915	3-3	4-3	688	5-3
	8R	0-3	888	1-3	2-3	785	3-3	915	4-3	5-3	688
	8L	0-3	1-3	888	2-3	3-3	785	4-3	915	5-3	688
	7R	0-3	1-3	785	2-3	915	3-3	4-3	888	5-3	688
	7L	0-3	785	1-3	915	2-3	3-3	888	4-3	5-3	688
	6R	888	0-3	1-3	785	2-3	915	3-3	4-3	5-3	688
	6L	0-3	888	1-3	2-3	785	3-3	915	4-3	5-3	688
	5R	0-3	785	1-3	915	2-3	3-3	888	4-3	5-3	688
	5L	785	0-3	915	1-3	2-3	888	3-3	4-3	688	5-3
	4R	0-3	785	1-3	915	2-3	3-3	888	4-3	5-3	688
	4L	0-3	1-3	785	2-3	915	3-3	4-3	888	5-3	688
DISTRICT FRAME 25	3R	0-3	915	1-3	2-3	888	3-3	4-3	785	5-3	619
	3L	915	0-3	1-3	888	2-3	3-3	785	4-3	619	5-3
	2R	785	0-3	915	1-3	2-3	888	3-3	4-3	619	5-3
	2L	0-3	785	1-3	915	2-3	3-3	888	4-3	5-3	688
	1R	0-3	1-3	888	2-3	3-3	785	4-3	915	5-3	688
	1L	0-3	888	1-3	2-3	785	3-3	915	4-3	5-3	688
	0R	915	0-3	1-3	888	2-3	3-3	785	4-3	619	5-3
	0L	0-3	915	1-3	2-3	888	3-3	4-3	785	5-3	619
DISTRICT FRAME 30	9R	0-0	888	1-2	2-2	784	3-2	914	4-2	5-2	687
	9L	888	0-2	1-2	784	2-2	914	3-2	4-2	687	5-2
	8R	0-2	888	1-2	2-2	784	3-2	914	4-2	5-2	687
	8L	0-2	1-2	888	2-2	3-2	784	4-2	914	5-2	687
	7R	0-2	1-2	784	2-2	914	3-2	4-2	888	5-2	687
	7L	0-2	784	1-2	914	2-2	3-2	888	4-2	5-2	687
	6R	888	0-2	1-2	784	2-2	914	3-2	4-2	5-2	687
	6L	0-2	888	1-2	2-2	784	3-2	914	4-2	5-2	687
	5R	0-2	784	1-2	914	2-2	3-2	888	4-2	5-2	687
	5L	784	0-2	914	1-2	2-2	888	3-2	4-2	687	5-2
	4R	0-2	784	1-2	914	2-2	3-2	888	4-2	5-2	687
	4L	0-2	1-2	784	2-2	914	3-2	4-2	888	5-2	687
DISTRICT FRAME 35	3R	0-2	914	1-2	2-2	888	3-2	4-2	784	5-2	619
	3L	914	0-2	1-2	888	2-2	3-2	784	4-2	619	5-2
	2R	784	0-2	914	1-2	2-2	888	3-2	4-2	619	5-2
	2L	0-2	784	1-2	914	2-2	3-2	888	4-2	5-2	687
	1R	0-2	1-2	888	2-2	3-2	784	4-2	914	5-2	687
	1L	0-2	888	1-2	2-2	784	3-2	914	4-2	5-2	687
	0R	914	0-2	1-2	888	2-2	3-2	784	4-2	619	5-2
	0L	0-2	914	1-2	2-2	888	3-2	4-2	784	5-2	619
DISTRICT FRAME 40	9R	0-0	888	1-4	2-4	783	3-4	913	4-4	5-4	686
	9L	888	0-4	1-4	783	2-4	913	3-4	4-4	686	5-4
	8R	0-4	888	1-4	2-4	783	3-4	913	4-4	5-4	686
	8L	0-4	1-4	888	2-4	3-4	783	4-4	913	5-4	686
	7R	0-4	1-4	783	2-4	913	3-4	4-4	888	5-4	686
	7L	0-4	783	1-4	913	2-4	3-4	888	4-4	5-4	686
	6R	888	0-4	1-4	783	2-4	913	3-4	4-4	5-4	686
	6L	0-4	888	1-4	2-4	783	3-4	913	4-4	5-4	686
	5R	0-4	783	1-4	913	2-4	3-4	888	4-4	5-4	686
	5L	783	0-4	913	1-4	2-4	888	3-4	4-4	686	5-4
	4R	0-4	783	1-4	913	2-4	3-4	888	4-4	5-4	686
	4L	0-4	1-4	783	2-4	913	3-4	4-4	888	5-4	686
DISTRICT FRAME 45	3R	0-4	913	1-4	2-4	888	3-4	4-4	783	5-4	619
	3L	913	0-4	1-4	888	2-4	3-4	783	4-4	619	5-4
	2R	783	0-4	913	1-4	2-4	888	3-4	4-4	619	5-4
	2L	0-4	783	1-4	913	2-4	3-4	888	4-4	5-4	686
	1R	0-4	1-4	888	2-4	3-4	783	4-4	913	5-4	686
	1L	0-4	888	1-4	2-4	783	3-4	913	4-4	5-4	686
	0R	913	0-4	1-4	888	2-4	3-4	783	4-4	619	5-4
	0L	0-4	913	1-4	2-4	888	3-4	4-4	783	5-4	619
DISTRICT FRAME 50	9R	0-0	888	1-1	2-1	782	3-1	912	4-1	5-1	685
	9L	888	0-1	1-1	782	2-1	912	3-1	4-1	685	5-1
	8R	0-1	888	1-1	2-1	782	3-1	912	4-1	5-1	685
	8L	0-1	1-1	888	2-1	3-1	782	4-1	912	5-1	685
	7R	0-1	1-1	782	2-1	912	3-1	4-1	888	5-1	685
	7L	0-1	782	1-1	912	2-1	3-1	888	4-1	5-1	685
	6R	888	0-1	1-1	782	2-1	912	3-1	4-1	5-1	685
	6L	0-1	888	1-1	2-1	782	3-1	912	4-1	5-1	685
	5R	0-1	782	1-1	912	2-1	3-1	888	4-1	5-1	685
	5L	782	0-1	912	1-1	2-1	888	3-1	4-1	685	5-1
	4R	0-1	782	1-1	912	2-1	3-1	888	4-1	5-1	685
	4L	0-1	1-1	782	2-1	912	3-1	4-1	888	5-1	685
DISTRICT FRAME 55	3R	0-1	912	1-1	2-1	888	3-1	4-1	782	5-1	619
	3L	912	0-1	1-1	888	2-1	3-1	782	4-1	619	5-1
	2R	782	0-1	912	1-1	2-1	888	3-1	4-1	619	5-1
	2L	0-1	782	1-1	912	2-1	3-1	888	4-1	5-1	685
	1R	0-1	1-1	888	2-1	3-1	782	4-1	912	5-1	685
	1L	0-1	888	1-1	2-1	782	3-1	912	4-1	5-1	685

NOTES:

1. **ED** REPRESENTS A JUNCTOR REUSED WHEN CONVERTING FROM THE 6,D-6,0 SIZE, WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 3, OR THE 4,D-4,0 SIZE, WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 6, TO THE 8,D-8,0 SIZE.

2. **ED** OR **ED** REPRESENTS A JUNCTOR REUSED WHEN CONVERTING FROM THE 4,D-4,0 OR 8,D-8,0 SIZE, WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 7, TO THE 8,D-8,0 SIZE.

3. **ED** REPRESENTS A JUNCTOR REUSED WHEN CONVERTING FROM THE 4,D-4,0 SIZE, WITH JUNCTOR DISTRIBUTION PER ED-25016-01, FIG. 2, TO THE 8,D-8,0 SIZE.