

3294WD

REVISIONS

ISSUE	DATE	AUTH. NO.
Q	3-30-60	28-12924
R	4-21-60	28-12936
S1B	10-12-60	28-14077
719	4-15-61	68761-33
#20	4-26-61	69589
21	3-28-62	69768-33
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637

SHEET 1 OF 6

SCHMATIC  
WIRING DIAGRAM  
FOR  
MODEL 28  
ASR-GP-OPT 1 AC  
WITH FACILITIES  
PROVIDED BY  
ELECT. SERVICE UNIT  
LESU13  
AND ASSOCIATED  
UNITS

APPROVALS

D AND R <i>HJK</i>	E OF M <i>[Signature]</i>
-----------------------	------------------------------

E-NUMBER

PROD. NO. 3294WD

DATE 11-17-59

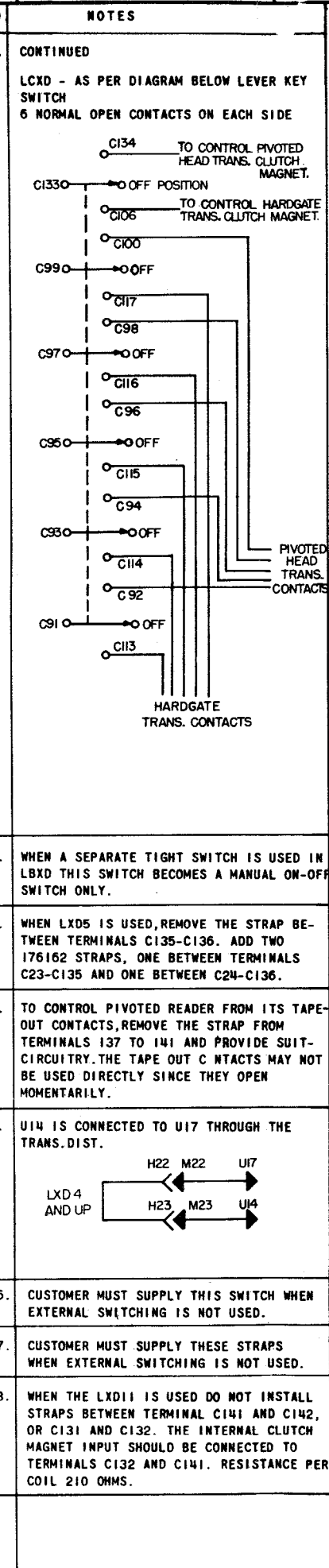
R.D. FILE NO. 27-A65AA

DRAWN A.C. CHKD.

ENDD. APPD.

TELETYPE CORPORATION

3294WD



10. A. TO OPERATE MOTOR CONTROL, SET MUST BE EQUIPPED WITH EITHER  
1. TIME DELAY MECH. OR  
2. MOTOR STOP CONTACTS
- B IF TAPE POSITION IS TO BE USED IN THE ASR SET THE TIME DELAY MECHANISM MUST BE EITHER ELECTRICALLY OR MECHANICALLY DISABLED.
11. A. LINE SHUNT RELAY SHOWN CONTROLLED BY POWER SWITCH AND SHOWN SHUNTING LINE RELAY COIL, TRANS. DIST. SIG. GENERATOR AND KEYBOARD SIG. GES.
- B. IF KEYBOARD SHUNTING IS NOT DESIRED MOVE STRAP FROM C10 TO C9.
- C. FOR DIRECT CONTROL OF LINE SHUNT RELAY FROM POWER SWITCH, ADD DASHED (---) CONNECTIONS AND OMIT CONN. MARKED (X) AT CABINET TERMINALS C34, C35, C37. CUSTOMER MAY THEN SELECT PORTION OF SIG. LINE CKT. TO BE SHUNTED BY CONNECTING TERM. C13 TO EITHER C9, C10, C11, C15.
12. CIRCUIT SHOWS BOTH HORIZONTAL TABULATOR AND FORM START CONTROL USED ON TYPING UNIT. WHEN ONLY ONE CONTROL IS USED, OMIT CONNECTION MARKED (---) AND ADD PROPER DASHED (---) CONNECTION IN TYPING UNIT CIRCUITS.
13. FORM PAPER OUT ALARM CONTACTS MAY BE MOUNTED ON EITHER THE TYPING UNIT OR EXTERNAL TO THE CABINET. IN LATTER EVENT, CONNECTIONS ARE MADE DIRECTLY TO TERMINALS C25 AND C26.
14. WHEN PAPER FEED OUT SWITCH IS NOT USED DISCONNECT MOTOR LEAD FROM AG3 AND CONNECT TO AG1.
15. WHEN SIGNAL LINE BREAK SWITCH IS NOT USED IN KEYBOARD ADD DASHED (---) CONNECTION AT CABINET TERMINAL BLOCK BETWEEN C10 AND C11.
16. IN ALL TRANS. DIST. U14 MUST BE CONNECTED TO U17 EXCEPT FOR LX04 AND UP. (SEE NOTE 25)
17. IN ALL KEYBOARDS F4 MUST BE CONNECTED TO F7. IN ALL TYPING UNITS R14 MUST BE CONNECTED TO R17.
18. SPARE LEADS FROM U18 AND F18 ARE RESERVED FOR POLAR OPERATION OF SIGNAL GENERATOR.
19. CIRCUIT SHOWN FOR 115V DC POWER INPUT TO TRANS. DIST. CLUTCH MAGNETS. FOR 48V DC POWER INPUT MOVE WIRE CONNECTIONS AS FOLLOWS:
- |      |            |    |    |
|------|------------|----|----|
| LAXD | C81 TO V6  | V6 | V5 |
| LX04 | C142 TO V3 | V3 | V2 |
| LBXD | A13 TO V6  | V6 | V5 |
|      | A6 TO V3   | V3 | V2 |
- POWER SUPPLY MUST DELIVER 300MA @ 48V DC OR 200MA @ 115V DC.
20. USE APPROPRIATELY LABELED LX0, LAXD, LBXD OR LX04 CIRCUITRY AND MAKE CONN. AS SHOWN.
21. CUSTOMER MUST SUPPLY EXTERNAL SWITCHING AS FOLLOWS:
- |      |   |
|------|---|
| LXD  | - NONE  |
| LAXD | - BETWEEN C133 AND C134 TO CONTROL TRANS. CLUTCH MAGNET |
| LBXD | - NONE  |
- (CONTINUED)

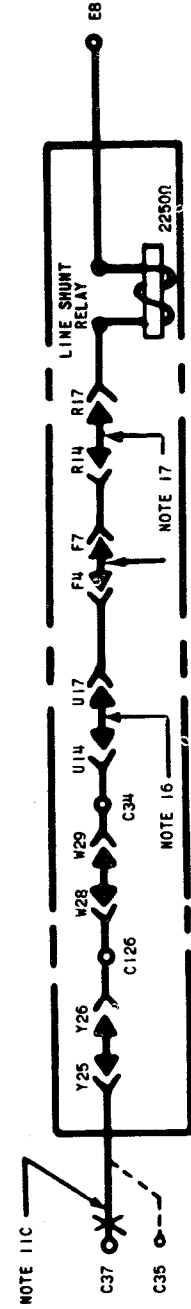
1. FOR ACTUAL WIRING DIAGRAMS OF INDIVIDUAL UNITS SEE:
- | WD NO. | UNITS DIRECTLY OPERABLE WITH LESU      |
|--------|--|
| 3264WD | CABINETS-LAAC209, 210                  |
| 3292WD | ELECTRICAL SERVICE UNIT LESU13         |
| 3302WD | KEYBOARDS-LAK4                         |
| 2900WD | MOTOR UNITS-LMU12 OR 14.               |
| 2864WD | PAGE TYPING UNITS-LP                   |
| 3300WD | TRANSMITTER DISTRIBUTOR-LXD3           |
| 3288WD | TRANSMITTER DISTRIBUTOR-LAXD 3 & LCXD1 |
| 3251WD | TRANSMITTER DISTRIBUTOR-LBXD           |
| 3452WD | TRANSMITTER DISTRIBUTOR BASE-LCX87     |
2. LEGEND:
- A SELECTOR MAGNET TERMINAL BLOCK (IN LESU)
  - B LINE TEST KEY TERMINAL BLOCK (IN LESU)
  - C CABINET TERMINAL BLOCK
  - D MOTOR CONTROL TERMINAL BLOCK (IN LESU)
  - E POWER TERMINAL BLOCK (IN LESU)
  - ⊞ F KEYBOARD CONNECTOR
  - J 1 TERMINAL STRIP (ON LINE RELAY ASSEMBLY IN LESU)
  - ⊞ J 2 LINE RELAY CONNECTOR (IN LESU)
  - ⊞ J 3 LINE RELAY FILTER (IN LESU)
  - K TERMINAL STRIP (ON LINE TEST KEY IN LESU)
  - ⊞ R TYPING UNIT CONNECTOR
  - S SLOW RELEASE RELAY TERMINAL BOARD (IN LESU)
  - T TEST SWITCH TERMINAL BOARD (IN LESU)
  - ⊞ U TRANSMITTER DISTRIBUTOR CONNECTOR
  - AG MOTOR TERMINAL BLOCK (ON LAK)
  - AH AUXILIARY SWITCH TERMINAL BLOCK (ON LAK)
  - ⊞ Z TRANSMITTER DISTRIBUTOR CONN (LBXD).
3. DOT DASH (---) LINES INDICATE FILTERING, SHIELDING AND SUPPRESSION NETWORKS.
4. ALL APPARATUS IS SHOWN IN UNOPERATED OR DE-ENERGIZED POSITION.
5. A. RESISTANCE IN OHMS (Ω)  
B. INDUCTANCE VALUES IN MICROMHENRIES (MH)  
C. CAPACITANCE VALUES IN MICROFARADS (MF)
6. CIRCUITS SHOWN FOR .060 AMP. NEUTRAL SIGNAL LINE OPERATION, FOR .020 AMP. LINE CURRENT, ADD DASHED (---) CONNECTIONS AND OMIT CONNECTIONS MARKED (X) IN LINE TEST KEY, AND LINE RELAY CIRCUITS.
7. USE POWER & SIGNAL LINE SUPPRESSOR AND SYNC. OR GOV.-FILT. MOTOR FOR INSTALLATIONS REQUIRING MINIMUM R.F. INTERFERENCE. FOR OTHER INSTALLATIONS OMIT SUPPRESSORS AND CONNECT INPUTS AND GOV. MOTOR DIRECTLY TO TERMINALS SHOWN.
8. USE SYNCHRONOUS MOTOR ON REGULATED 60V (± 1%) AC POWER ONLY. GOVERNED MOTORS AND OTHER POWER CIRCUITS OPERABLE ON 50 TO 60V UNREGULATED AC.
9. RECTIFIER SHOWN CONTROLLED BY POWER SWITCH. FOR CONTINUOUS OPERATION, MOVE RECTIFIER LEAD L2 FROM E2 TO E1.

RTTY ELECTRONICS  
TELETYPE-Sales-Service-Parts  
PO Box 20101 El Sobrante, Ca,  
94820 (510)222-3192  
rtty@pacbell.net

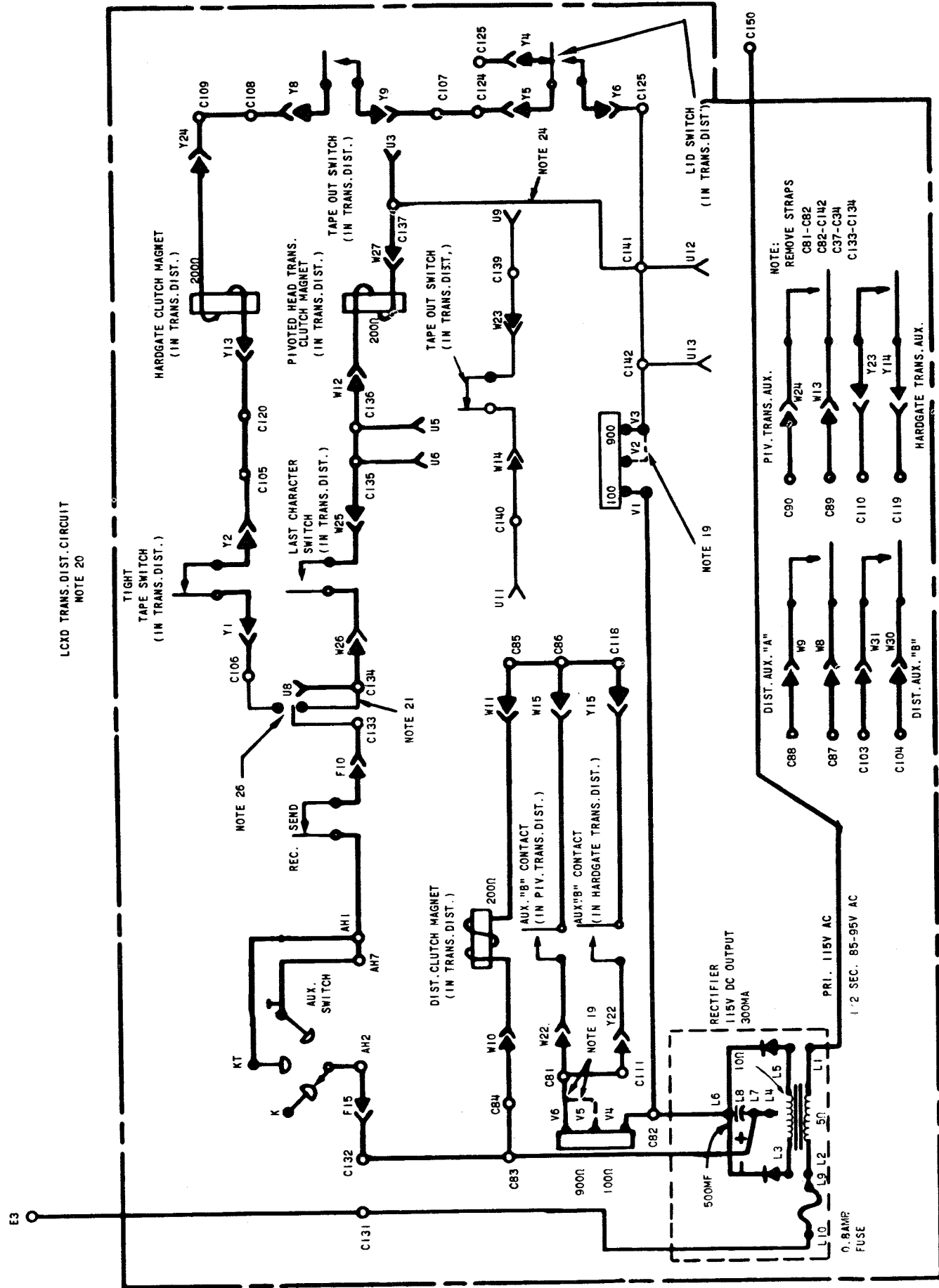
SEE SHEET 1 FOR NOTES

LCXD

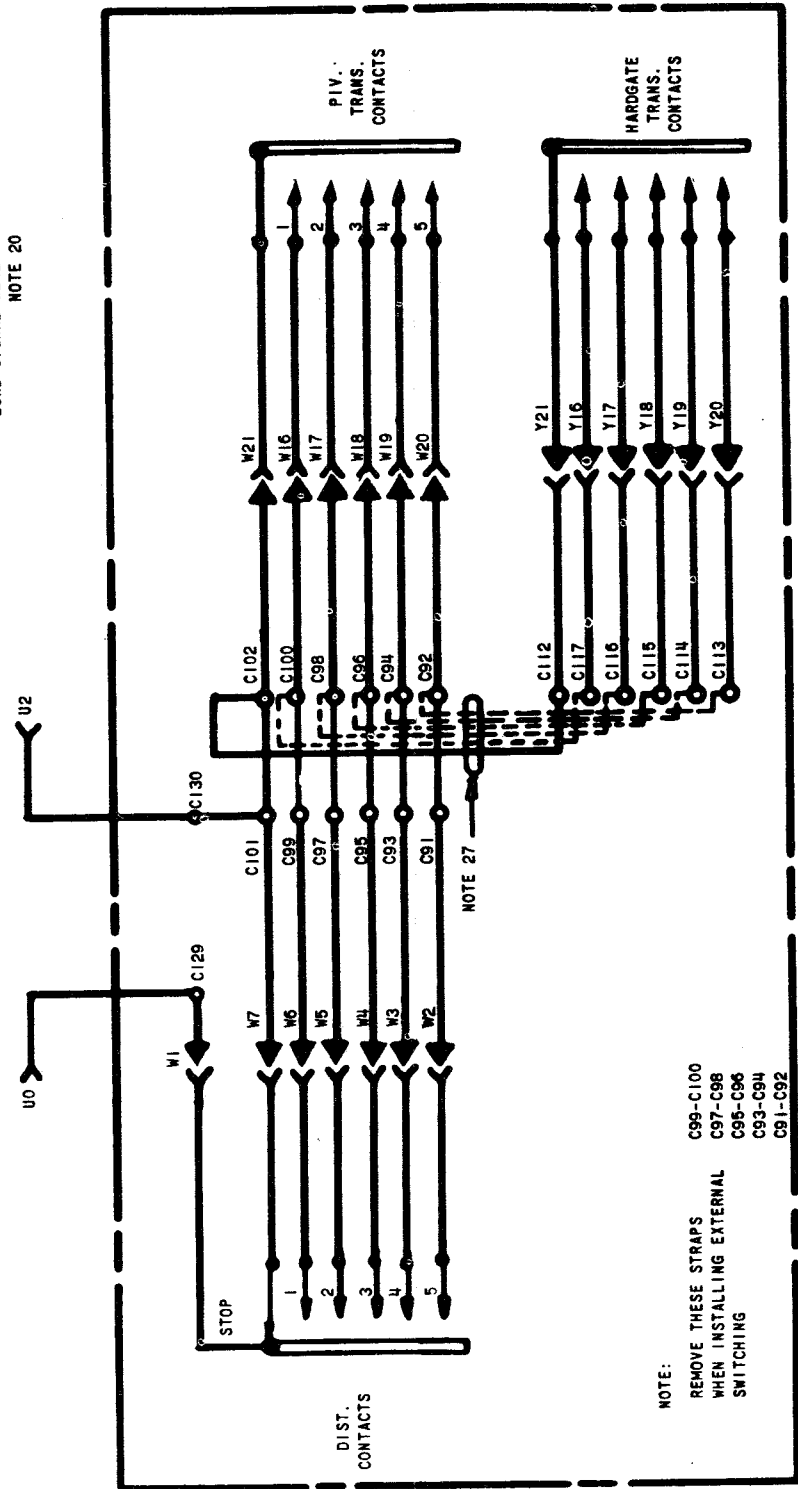
LCXD LINE SHUNT CIRCUIT  
NOTE 20



LCXD TRANS. DIST. CIRCUIT  
NOTE 20



LCXD SIGNAL GENERATING CIRCUIT  
NOTE 20



3294 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
Q	3-30-60	28-12924
R	4-21-60	28-12936
S18	10-12-60	28-14077
T19		68761-33
U20		
21	3-28-62	69768-10
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637

SHEET 2 OF 6

SCHEMATIC WIRING DIAGRAM FOR MODEL 28 ASR-GP-OPT 1 AC WITH FACILITIES PROVIDED BY ELECT. SERVICE UNIT LESU13 AND ASSOCIATED UNITS

APPROVALS

D AND R *[Signature]* E OF M *[Signature]*

E-NUMBER

PROD. NO. 3294WD

DATE 11-17-59

P.D. FILE NO. 27-A65AA

DRAWN A.C. CHKD.

ENGD. APPD.

TELETYPE CORPORATION

3294 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
Q	3-30-60	28-12924
R	4-21-60	28-12936
S18	10-12-60	28-14077
T19		68761-33
U20		
21	3-28-62	69758-10
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637

SHEET 3 OF 6

SCHEMATIC  
WIRING DIAGRAM  
FOR  
MODEL 2B  
ASR-GP-OPT 1 AC  
WITH FACILITIES  
PROVIDED BY  
ELECT. SERVICE UNIT  
LESU13  
AND ASSOCIATED  
UNITS

APPROVALS

D AND R <i>[Signature]</i>	E OF M <i>[Signature]</i>
-------------------------------	------------------------------

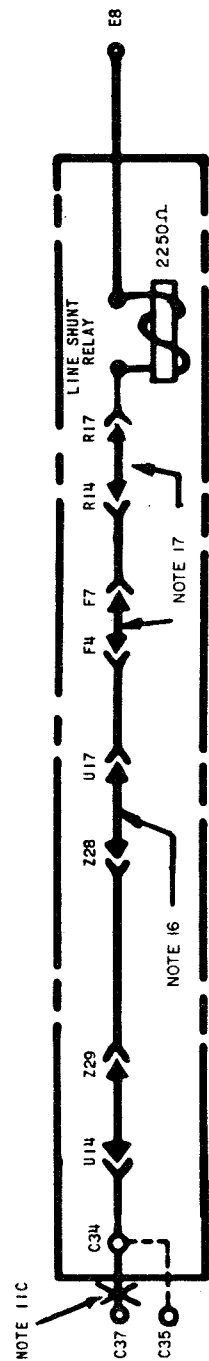
E-NUMBER	
PROD. NO.	3294WD
DATE	11-17-59
P.D. FILE NO.	27-A65AA
DRAWN A.C.	CHKD.
ENGD.	APPD.

TELETYPE  
CORPORATION

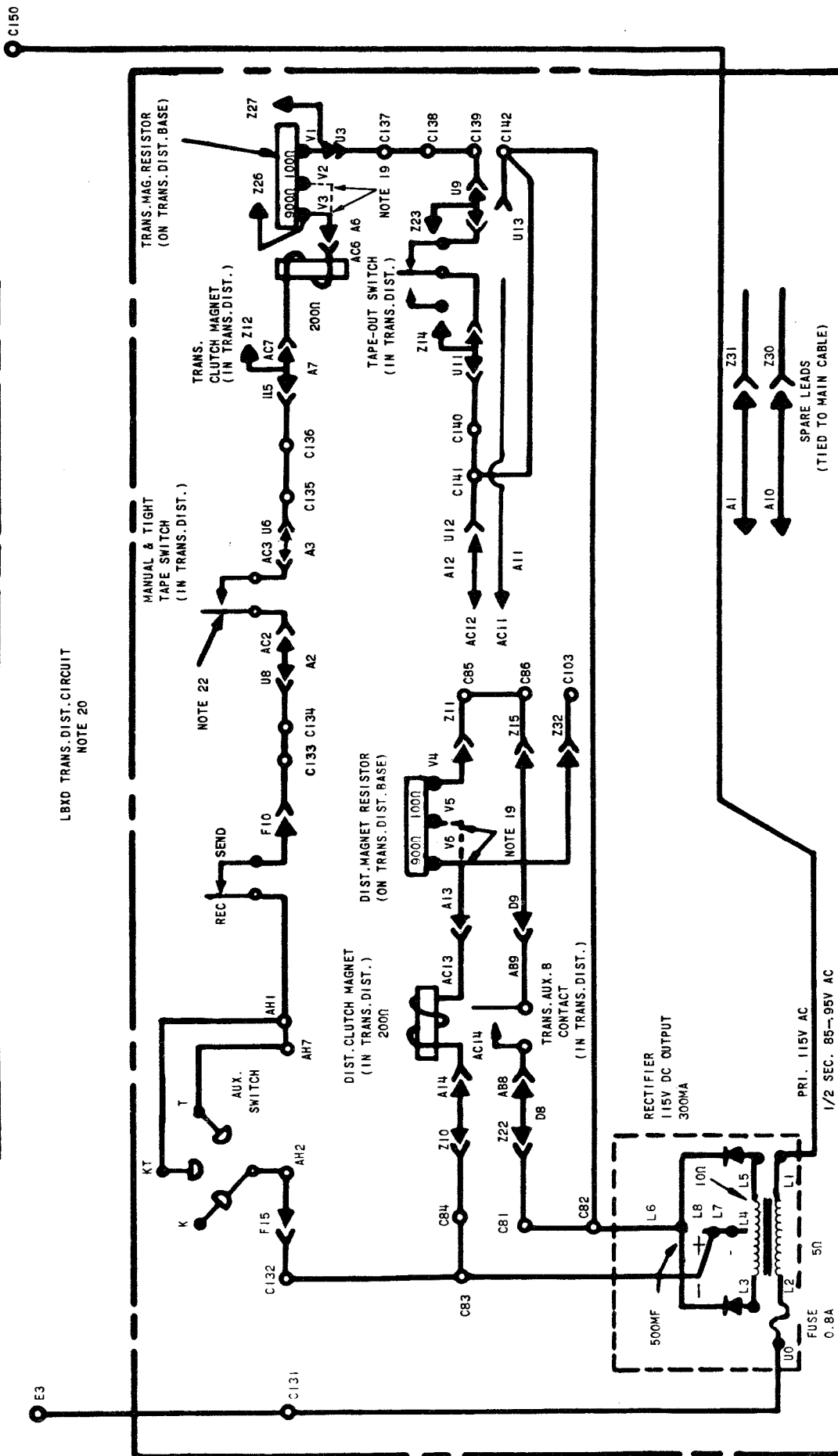
SEE SHEET 1 FOR NOTES.

LBXD

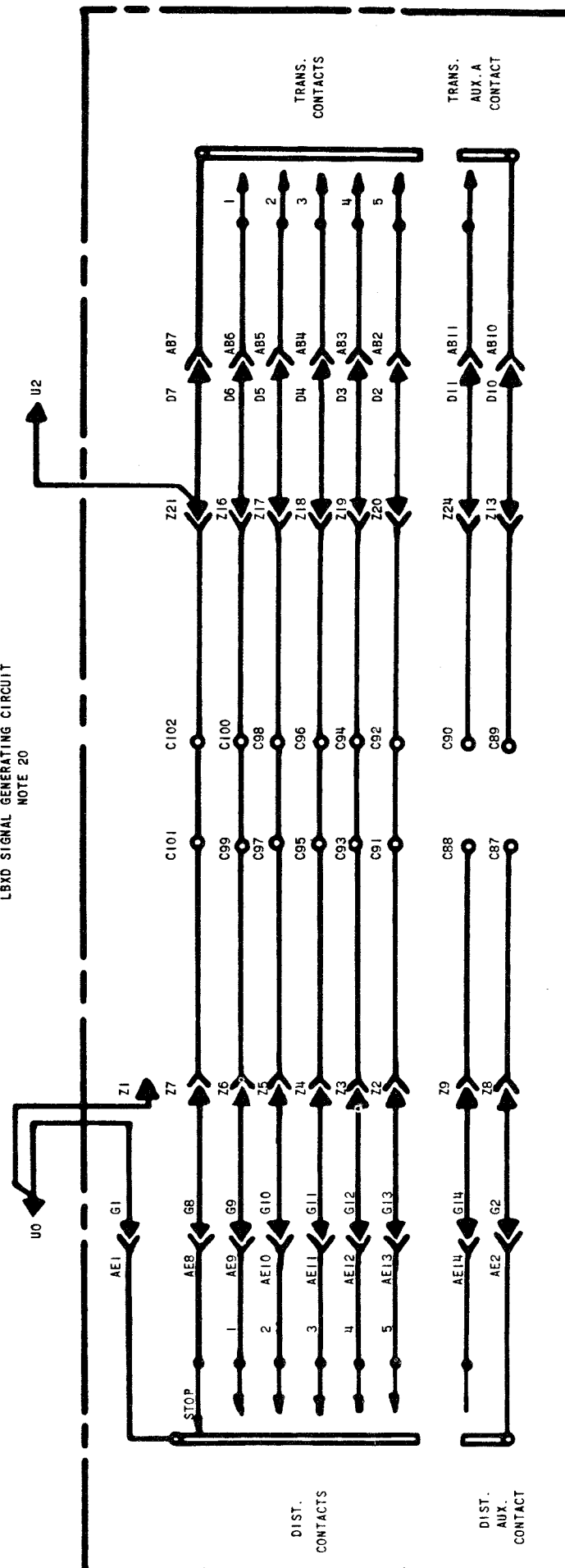
LBXD LINE SHUNT CIRCUIT  
NOTE 20



LBXD TRANS. DIST. CIRCUIT  
NOTE 20



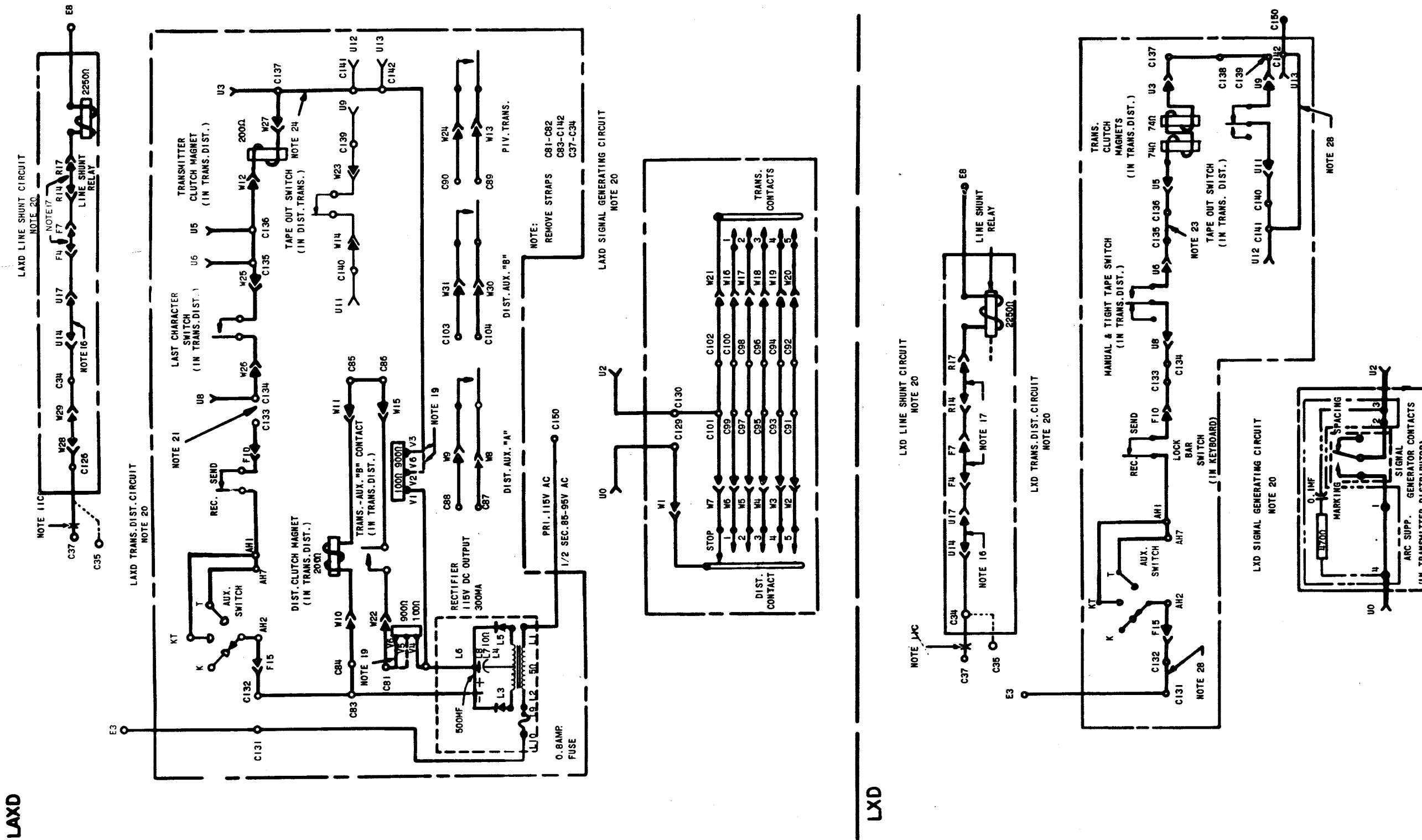
LBXD SIGNAL GENERATING CIRCUIT  
NOTE 20



REVISIONS

ISSUE	DATE	AUTH. NO.
Q	3-30-60	28-12924
R	4-21-60	28-12936
S18	10-12-60	28-14077
T19	4-5-61	68761-33
W20		
21	3-28-62	69769-10
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637

SEE SHEET 1 FOR NOTES



SHEET 4 OF 6

SCHEMATIC  
WIRING DIAGRAM  
FOR  
MODEL 28  
ASR-GP-OPT I AC  
WITH FACILITIES  
PROVIDED BY  
ELECT. SERVICE UNIT  
LESU13  
AND ASSOCIATED  
UNITS

APPROVALS

D AND R *HGX* E OF M *[Signature]*

E-NUMBER

PROD. NO. 3294WD

DATE 11-17-59

R.D. FILE NO. 27-A65AA

DRAWN A.C. CHKD.

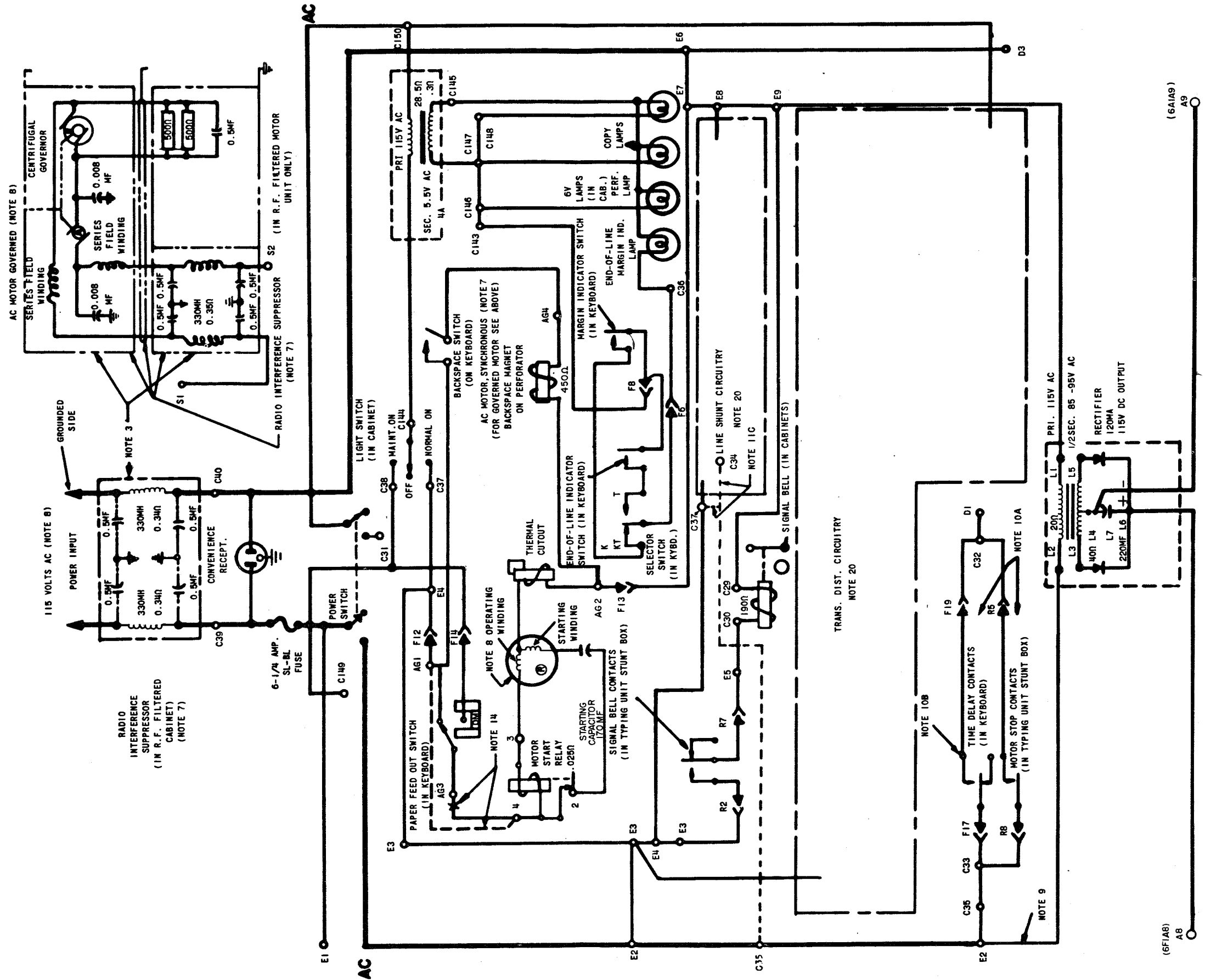
ENGD. APPD.

TELETYPE  
CORPORATION

3294WD

REVISIONS

ISSUE	DATE	AUTH. NO.
Q	3-30-60	28-12924
R	4-21-60	28-12936
S18	10-12-60	28-14077
719	4-61	68761-33
W20		
21	3-28-62	69768-10
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637



SHEET 6

SHEET 5 OF 6

SCHEMATIC  
WIRING DIAGRAM  
FOR  
MODEL 28  
ASR-GP-OPT 1 AC  
WITH FACILITIES  
PROVIDED BY  
ELECT. SERVICE UNIT  
LESU13  
AND ASSOCIATED  
UNITS

APPROVALS

D AND R *HGX* E OF M *LN*

E-NUMBER

PROD. NO. 3294WD

DATE 11-17-59

R.D. FILE NO. 27-A65AA

DRAWN A.C. CHKD.

ENGD. APPD.

TELETYPE  
CORPORATION

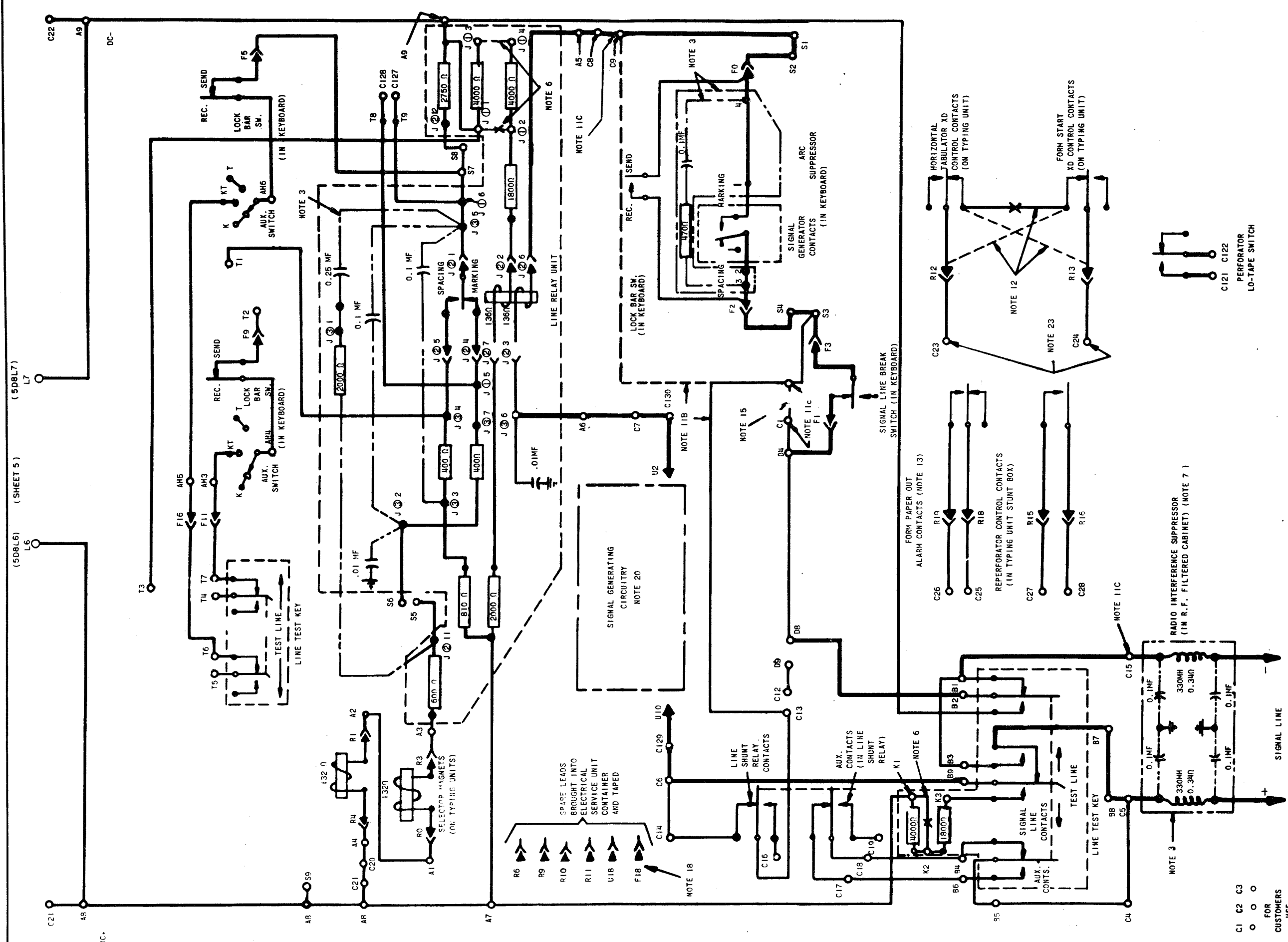
3294WD

# 3294 WD

## REVISIONS

ISSUE	DATE	AUTH. NO.
0	3-30-60	28-12924
R	4-21-60	28-12936
S18	10-12-60	28-14077
T19	4--61	68761-33
W20		
21	3-28-62	69768-10
22	11-26-63	78875
23	2-11-64	79910
24	8-28-64	82637

SEE SHEET 1 FOR NOTES



(5DBL6) (SHEET 5) (5DBL7) L7

C1 C2 C3  
O O O  
FOR  
CUSTOMERS  
USE

SHEET 6 OF 6

SCHMATIC  
WIRING DIAGRAM  
FOR  
MODEL 28  
ASR-GP-OPT I AC  
WITH FACILITIES  
PROVIDED BY  
ELECT. SERVICE UNIT  
LESU13  
AND ASSOCIATED  
UNITS

### APPROVALS

D AND R E OF M  
*HJK* *LI*

E-NUMBER  
PROD. NO. 3294WD  
DATE 11-17-59  
P.D. FILE NO. 27-A65AA  
DRAWN A.C. CHKD.  
ENGD. APPD.

TELETYPE  
CORPORATION

3294WD