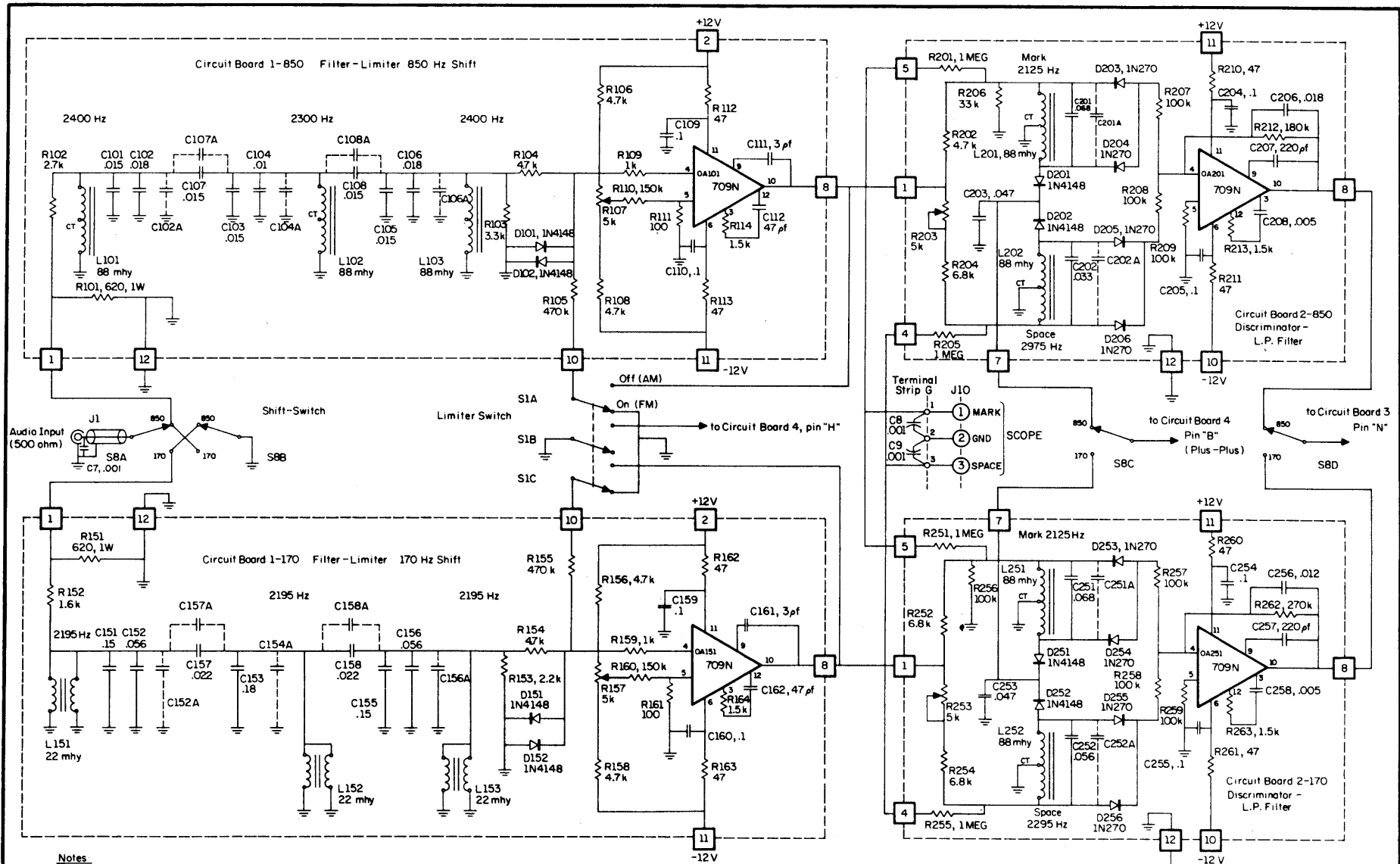




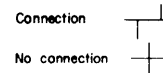
27  
(7/75)



**Notes**

- All resistors 1/4 W unless otherwise noted.
- Capacitors designated with a letter suffix (e.g., C102A, C151A, etc.) are additional circuit board locations to assist in tuning filters.
- Capacitor C154 is not used.
- Low Pass Filter parameters are shown for 100 WPM equalization; for 60 WPM only, change C206 to 0.027  $\mu$ f & C256 to 0.02  $\mu$ f. (See Manual)
- Frequencies indicated for input filter sections are tuning frequencies when other sections are shorted. (See Manual)
- See "Three-Shift Modification" diagram for changes to include three discriminators.
- Component Numbering System:  
 X001 - X099, Main Frame  
 X101 - X149, Circuit Board 1-850  
 X151 - X199, Circuit Board 1-170  
 X201 - X249, Circuit Board 2-850  
 X251 - X299, Circuit Board 2-170

Drawing convention:

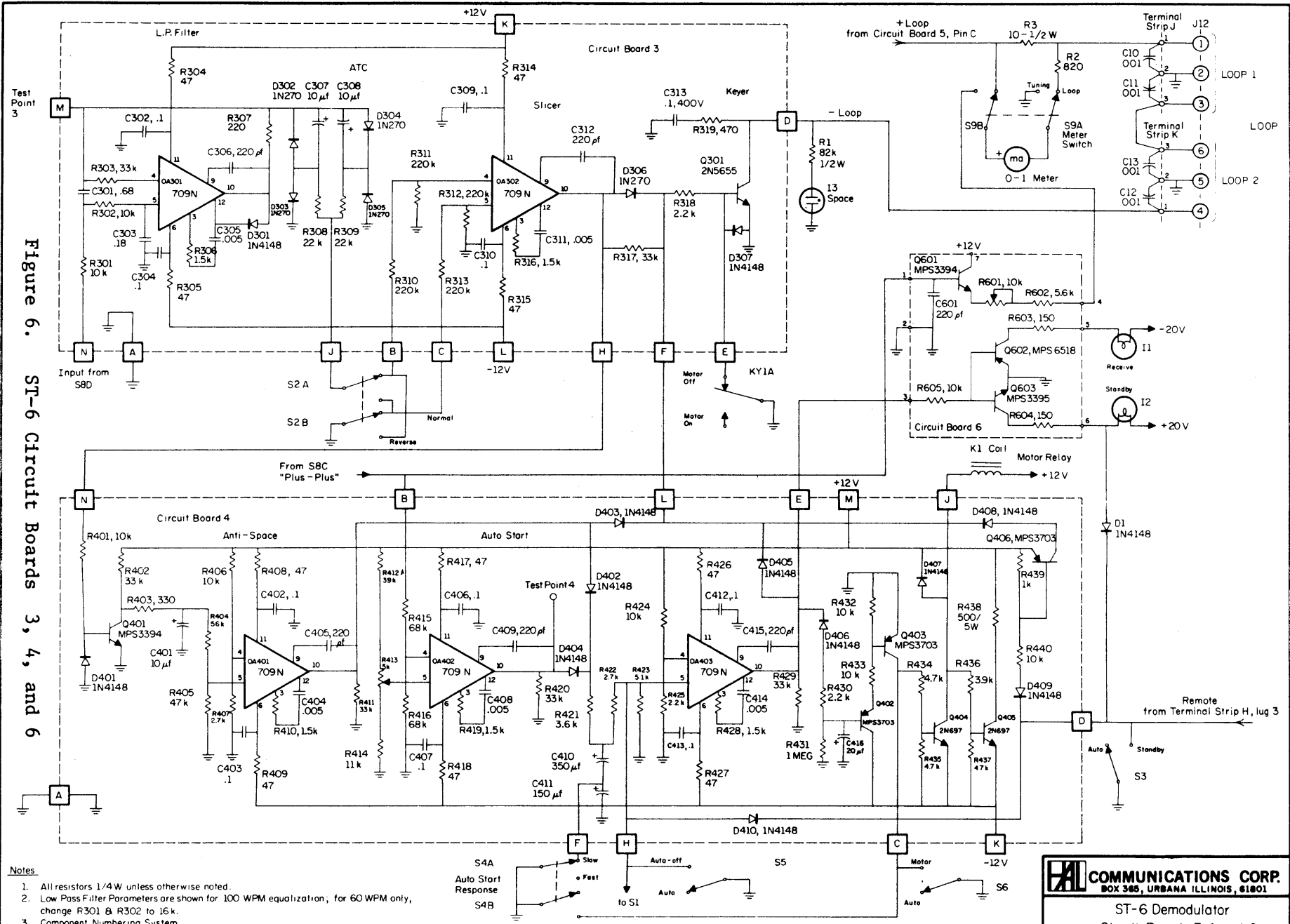


**Figure 5. ST-6 Circuit Boards 1 and 2**

Rev. A: Dec. 23, 1974  
 Rev. B: Jul. 9, 1975

<b>COMMUNICATIONS CORP.</b> BOX 385, URBANA, ILLINOIS, 61801	
ST-6 Demodulator Circuit Boards 1 and 2	
DATE: July 24, 1972	SCALE: —
APPROVED: _____	No. A917B

Figure 6. ST-6 Circuit Boards 3, 4, and 6



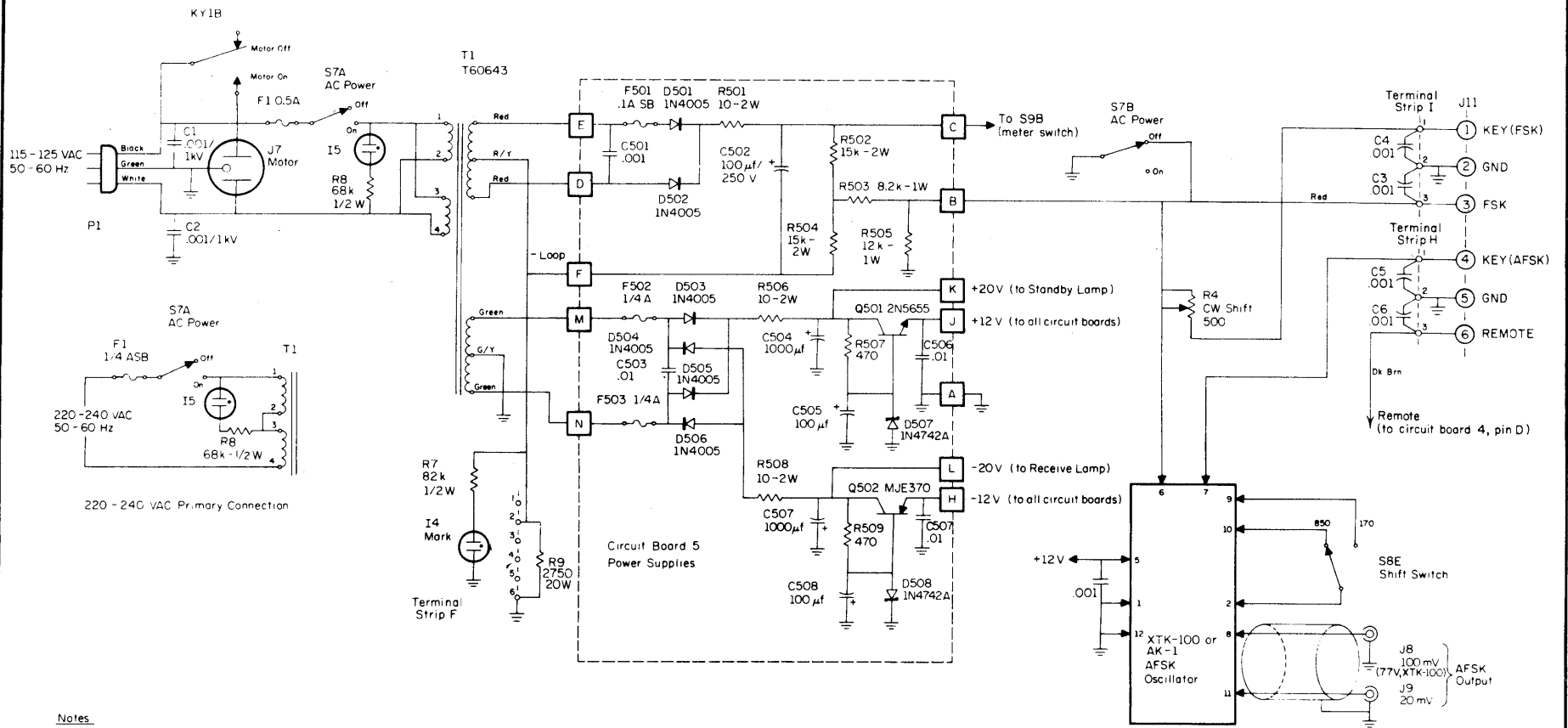
Notes

1. All resistors 1/4W unless otherwise noted.
2. Low Pass Filter Parameters are shown for 100 WPM equalization; for 60 WPM only, change R301 & R302 to 16k.
3. Component Numbering System  
 X001 - X099, Main Frame  
 X301 - X399, Circuit Board 3  
 X401 - X499, Circuit Board 4  
 X601 - X699, Circuit Board 6

Drawing convention: Connection , No connection

Rev A: Dec. 23, 1974  
 Rev B: Jul 14, 1975

		COMMUNICATIONS CORP. BOX 385, URBANA ILLINOIS, 61801	
		ST-6 Demodulator Circuit Boards 3, 4, and 6	
DATE	July 15, 1972	SCALE	
APPROVED	G. W. H.	No.	A918B



**Notes**

1. All resistors 1/4 W unless otherwise noted.
2. Resistor R9 dissipates 9.9 Watts under Mark conditions and should have adequate ventilation.
3. I-3, I-4, B I-5 are NE-2 type neon lamps.
4. Component Numbering System  
X001 - XC99, Main Frame  
X501 - X599, Circuit Board 5

Rev A: Dec. 26, 1974  
Rev B: Jul 11, 1975

		<b>COMMUNICATIONS CORP.</b> BOX 385, URBANA, ILLINOIS, 61801	
		ST-6 Demodulator Circuit Board 5	
DATE	July 8, 1972	SCALE	—
APPROVED		No.	A919B

**Figure 7. ST-6 Circuit Board 5**

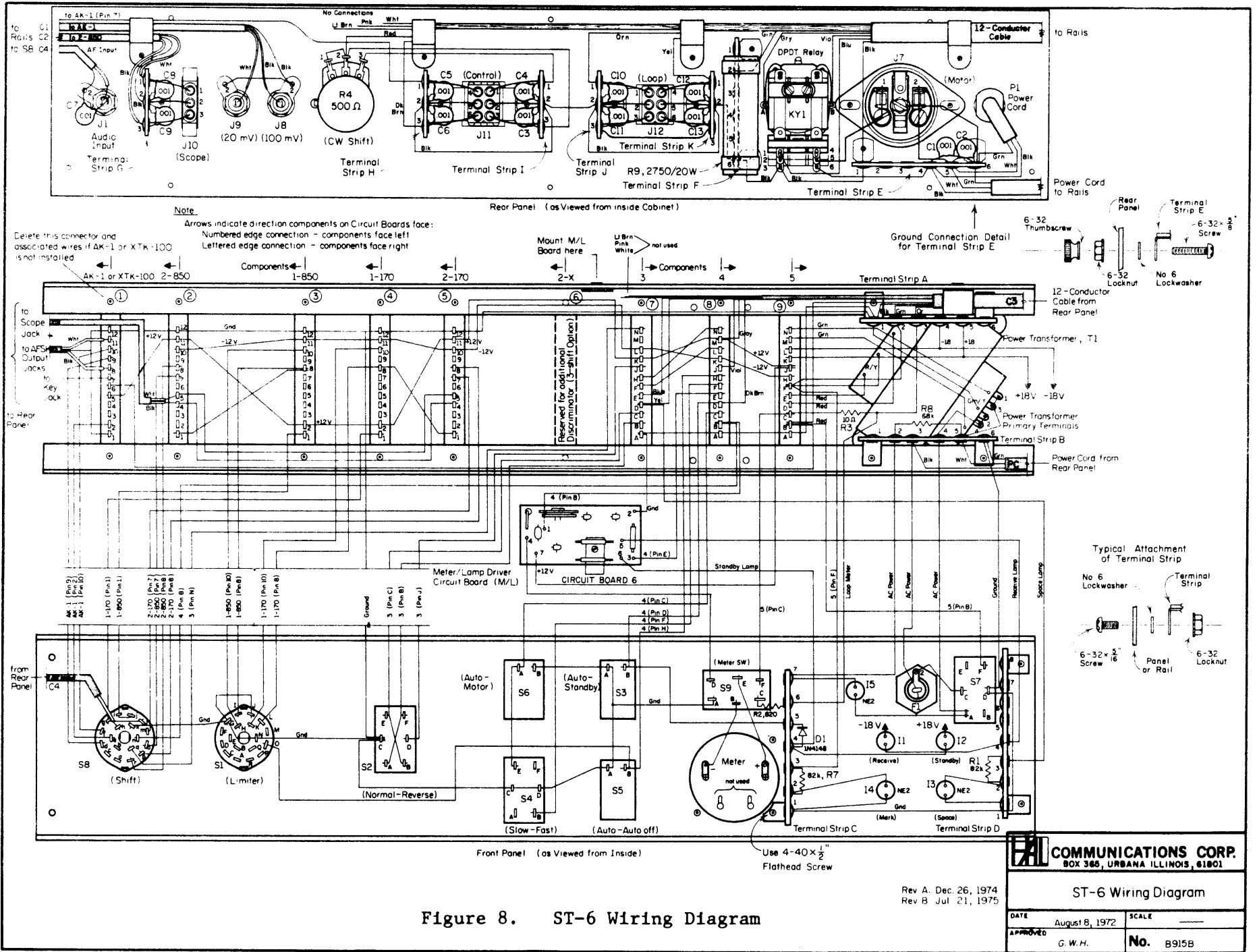


Figure 8. ST-6 Wiring Diagram