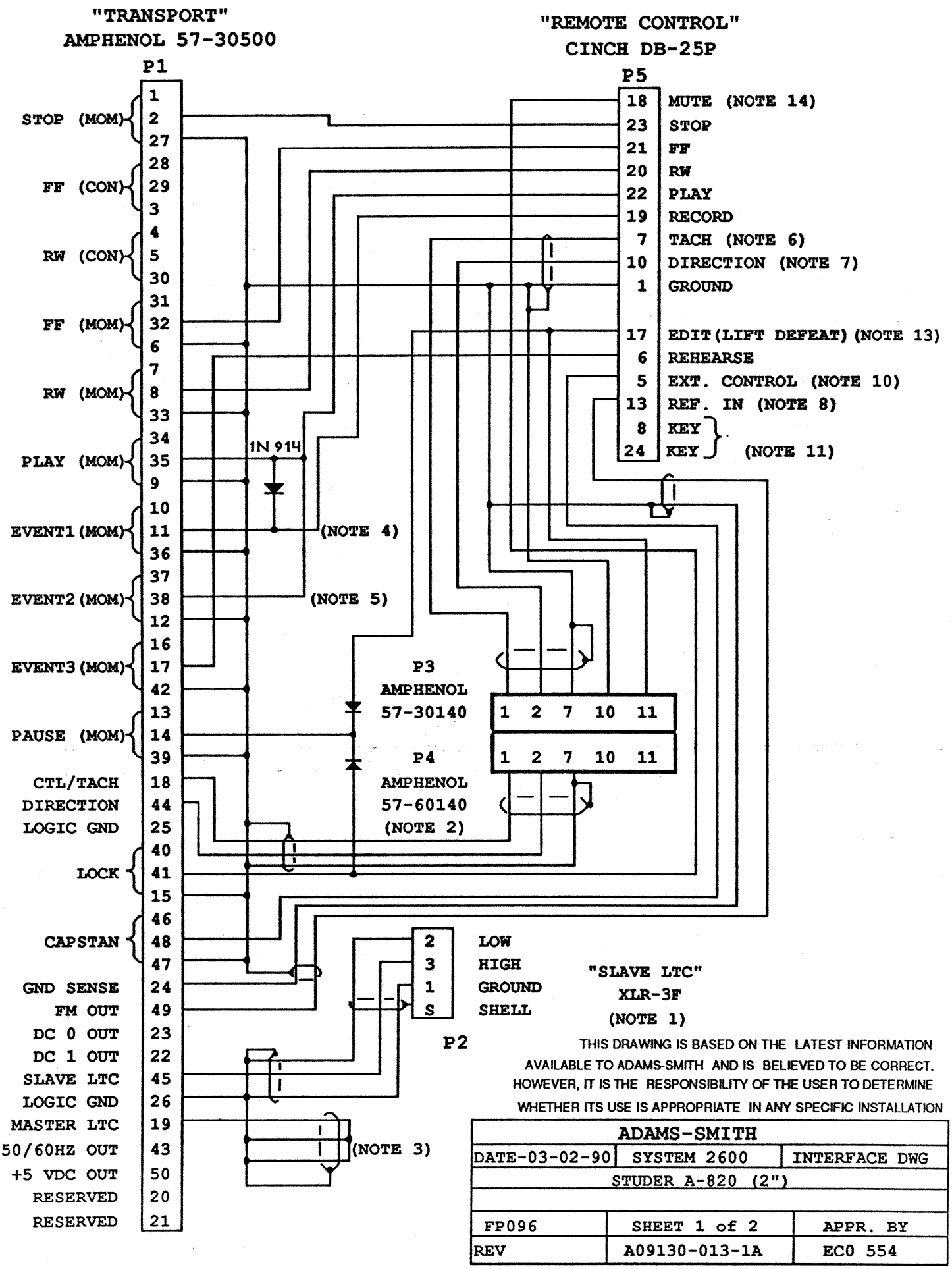


THIS DRAWING IS BASED ON THE LATEST INFORMATION AVAILABLE TO ADAMS-SMITH AND IS BELIEVED TO BE CORRECT. HOWEVER, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE WHETHER ITS USE IS APPROPRIATE IN ANY SPECIFIC INSTALLATION

| ADAMS-SMITH | | |
|---|---|---|
| DATE-03-02-90 | SYSTEM 2600 | INTERFACE DWG |
| STUDER A-820 (2") | | |
| | | |
| FP096 | SHEET 1 of 2 | APPR. BY |
| REV | A09130-013-1A | ECO 554 |

## - NOTES -

A09130-013-1A (2 of 2)

1. THIS CONNECTOR IS NOT REQUIRED IF A TIME CODE READER IS INTERPOSED BETWEEN THE CONTROLLED TRANSPORT AND TAPE SYNCHRONIZER MODULE. IF CONNECTOR IS INSTALLED AND NOT USED, CONNECT PIN 3 TO PIN 1 TO GROUND STC INPUT.
2. TO FEED CONTROL TRACK/TACH PULSE AND DIRECTION SIGNALS FROM CONTROLLED TRANSPORT TO TAPE SYNCHRONIZER MODULE, CONNECT P3 TO P4 AS SHOWN. TO FEED CONROL TRACK/TACH PULSE AND DIRECTION SIGNALS FROM CONTROLLED TRANSPORT TO AN INTERPOSED TIME CODE READER MODULE,AND TO IMPLEMENT LIFTER CONTROL, CONNECT P3 TO TRANSPORT CONNECTOR ON REAR PANEL OF READER MODULE.
3. THIS PIGTAIL PROVIDED TO PERMIT INSTALLATION OF AN AUDIO CONNECTOR IF MASTER LTC IS TO BE FED DIRECTLY TO TAPE SYNCHRONIZER MODULE.
4. THIS OUTPUT SHOWN CONNECTED TO PROVIDE CONTROLLED TRANSPORT PUNCH-IN (START RECORDING) COMMAND, BUT MAY BE REWIRED TO IMPLEMENT OTHER OPERATIONS.
5. THIS OUTPUT SHOWN CONNECTED TO PROVIDE CONTROLLED TRANSPORT PUNCH-OUT (STOP RECORDING) COMMAND, BUT MAY BE REWIRED TO IMPLEMENT OTHER OPERATIONS.
6. A-820 TACH RATE AT 15 IPS IS 512 PPS(200H)- CALL ADAMS-SMITH FOR DETAILS.
7. 0 VDC INDICATES REVERSE. PUT JUMPER JP6 ON SY PROCESSOR PCB IN RVL POSITION.
8. REQUIRED FM CENTER FREQUENCY IS 9600 HZ.
9. USE EITHER TRANSISTOR OR RELAY SWITCHING FOR COMMAND OUTPUTS.
10. USE EITHER TRANSISTOR OR RELAY SWITCHING FOR CAPSTAN SWITCH-OVER.
11. REMOVE (CLIP OFF) PINS 8 AND 24.
12. TO USE CONTINUOUS TIME CODE FROM CENTER TRACK OF TRANSPORT (WITHOUT TACH PULSE UPDATING), INTERPOSE AN LTC READER BETWEEN TAPE SYNCHRONIZER MODULE AND TRANSPORT.
13. ITEM 253(WIND A/B) IN STUDER KEYS/MODE MENU SHOULD BE SET TO 1 (B MODE).
14. BY MODIFYING THE LINE OUTPUT CARD (1.820.715), THE A-820 CAN BE MADE TO MUTE ALL AUDIO CHANNELS UNTIL LOCK IS ACHIEVED.(NOT REQUIRED IF MACHINE IS EQUIPPED WITH A TIME CODE CARD - ONLY THE CABLE MODIFICATION NEED BE DONE).TO ACCOMPLISH THIS MODIFICATION, REMOVE THE LINE OUTPUT CARD FROM THE APPROPRIATE CHANNEL. REMOVE PIN 16 ON IC1 BY BENDING IT UP. THEN JUMPER PIN 10 OF THE IC1 SOCKET TO THE ANODE OF DIODE D9 (THE ANODE WILL BE THE END OF THE DIODE WITHOUT THE BAND) IF MOD. IS DONE, SET 45 LSD = 1

## -CONSTANTS-

STUDER A-820 (2")

| NO. | MSD | LSD | NO. | MSD | LSD | NO. | MSD | LSD | NO. | MSD | LSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 0# | 0- | 10 | 0a | 0a | 28 | 0# | 0# | 38 | 0# | 0# |
| 01 | 6a | 6# | 11 | 3a | 5a | 29 | 0# | 0# | 39 | 1# | 0# |
| 02 | 1§ | 6§ | 12 | 0# | 0a | 30 | 0# | 0# | 40 | 0# | 0# |
| 03 | 2a | 3a | 13 | 3# | 5# | 31 | 2a | 0a | 41 | 9§ | 9§ |
| 04 | 0# | 8a | 14 | 0# | 0# | 32 | 0# | 0# | 42 | 0# | 0# |
| 05 | 6# | 2§ | 15 | 0# | 0# | 33 | 0# | 0# | 43 | 0# | 0# |
| 06 | 1§ | 3# | 16 | 0# | 0# | 34 | 9§ | 9§ | 44 | 0# | 0# |
| 07 | 0# | 0# | 17 | 0# | 0# | 35 | 6# | F§ | 45 | 0# | 1# |
| 08 | 0# | 1# | 18 | 0# | 0# | 36 | 0# | 0# | | | |
| 09 | 4# | 0# | 27 | 0# | 0# | 37 | 1§ | 0# | | | |

a INDICATES CONSTANT VALUE IS MANDATORY FOR THIS MODEL TRANSPORT.

§ INDICATES CONSTANT VALUE MAY REQUIRE TRIMMING TO ACHIEVE OPTIMUM PERFORMANCE.

# INDICATES CONSTANT VALUE MAY BE CHANGED TO SELECT VALUES AND INVOKE ROUTINES APPROPRIATE TO SPECIFIC OPERATIONS AT OPTION OF USER.

- INDICATES VALUE DOES NOT INFLUENCE OPERATION OF THIS RECORDER

NOTE: THESE CONSTANT VALUES APPLY TO SOFTWARE PROGRAMS "K" AND HIGHER.