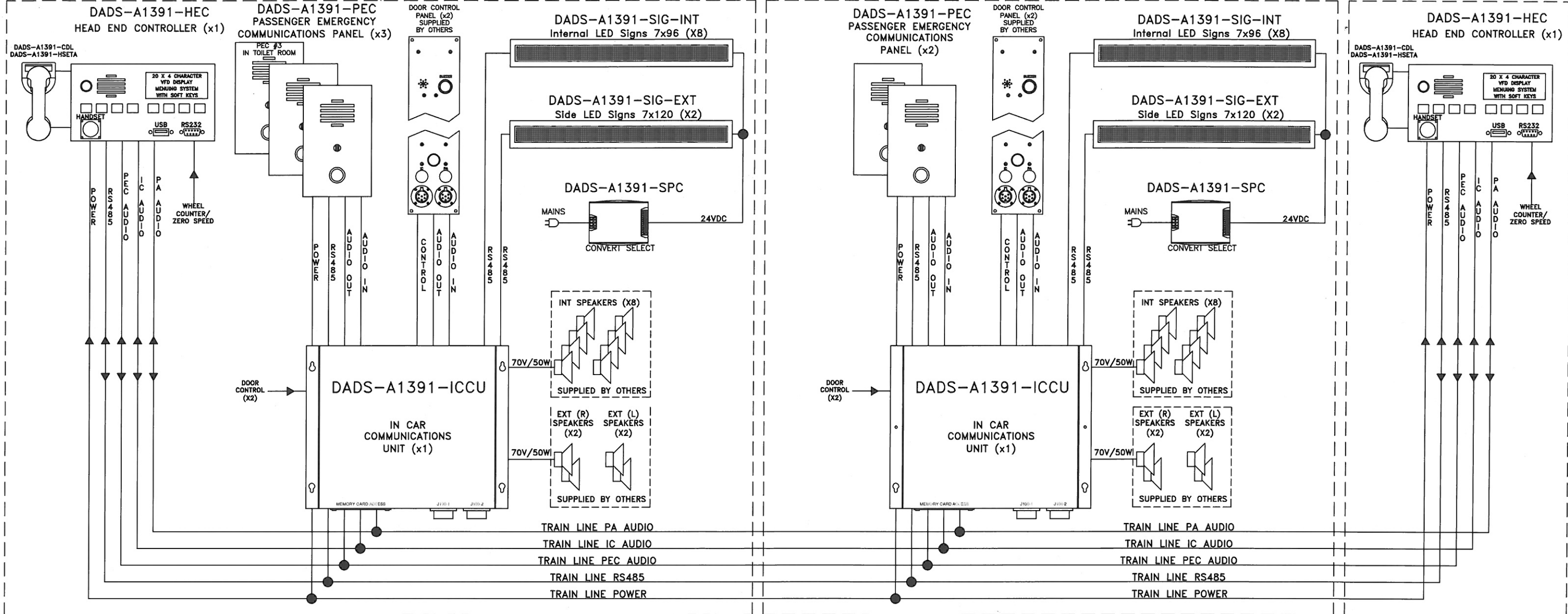


No.	REVISION DESCRIPTION	ENGINEERING	DATE
0	INITIAL RELEASE	RS	16 SEP 11
1	CHANGED TITLE	RS	30 NOV 11
2	REMOVED EXTRA SIGNAGE INTERFACES	RS	12, APR 12
3	ADDED PEC FOR TOILET ROOM ON CAB CARS	RS	6, JUL 12

CAB CAR

COACH CAR

LOCOMOTIVE



ROUTE MESSAGING OPERATION

- ACTIVE HEAD END CONTROLLER (HEC) TRACKS VEHICLE VIA WHEEL COUNTER/ODOMETER
- AT PRE-PROGRAMMED WAYPOINTS, THE HEC TRIGGERS APPROPRIATE MESSAGE ON LOCAL SPEAKER, AND SENDS PLAY COMMAND TO EACH ICCU VIA TRAIN LINE RS485
- WHEN EACH ICCU IN THE CONSIST RECEIVES PLAY COMMAND, IT PLAYS THE PRE-RECORDED MESSAGE OVER THE SPECIFIED SPEAKER NETWORK IN THAT CAR, AND ALSO OUTPUTS THE TEXT DATA TO THE SPECIFIED SIGN NETWORK (OPTIONAL) WITHIN THAT CAR

PASSENGER EMERGENCY INTERCOM (PEC) OPERATION

- PASSENGER PUSHES EMERGENCY CALL BUTTON ON PANEL
- MICROPHONE FROM THAT PANEL IS IMMEDIATELY ROUTED TO THE ACTIVE HEC UNIT OVER THE TRAIN LINED PEC AUDIO LINES
- THE OPERATOR IN THE VEHICLE CAN ACTIVATE THE PEC CALL AND COMMUNICATE TO THE PASSENGER OVER THE PEC AUDIO LINK (HALF DUPLEX)
- IF MULTIPLE PECS ARE ACTIVATED AT THE SAME TIME THEY WILL BE PATCHED IN TO THE EXISTING PEC CONVERSATION IN A "PARTY LINE" TYPE MODE

OPERATOR / CONDUCTOR INTERCOM OPERATION

- OPERATOR OR CONDUCTOR ACTIVATES THE INTERCOM AT THE HEAD END CONTROLLER (HEC) OR AT A DOOR CONTROL PANEL
- WHEN THE IC CALL BUTTON LOCATED AT EACH HEC AND DOOR CONTROL PANEL IS PRESSED, A SOUNDER WILL BE ACTIVATED AT EACH PANEL TO ALERT THE CONDUCTOR/ OPERATOR
- AUDIO IS IMMEDIATELY ROUTED TO THE ACTIVE HEC AND ALL OTHER DOOR CONTROL PANELS OVER THE TRAIN LINED IC AUDIO LINES
- IF MULTIPLE INTERCOMS ARE ACTIVATED AT THE SAME TIME THEY WILL BE PATCHED IN TO THE EXISTING SESSION IN A "PARTY LINE" TYPE MODE

PUBLIC ADDRESS OPERATION

- OPERATOR OR CONDUCTOR ACTIVATES THE PA AT THE HEC OR AT A DOOR CONTROL PANEL
- AUDIO FROM THE ACTIVE DEVICE IS IMMEDIATELY ROUTED TO ALL ICCU UNITS OVER THE TRAIN LINED PA AUDIO LINES
- THE ICCU ROUTES THIS AUDIO TO THE APPROPRIATE SPEAKER NETWORK BASED ON DOOR CONTROL SIGNALS
- IF MULTIPLE PUBLIC ADDRESS PANELS ARE ACTIVATED AT THE SAME TIME THEY WILL BE PATCHED IN TO THE EXISTING PAGE IN A "PARTY LINE" TYPE MODE

PUBLIC ADDRESS OPERATION (CONTINUED)

- WHEN THE PA IS ACTIVATED ANYWHERE ON THE CONSIST, ANY PLAYING PRE-RECORDED MESSAGE WILL BE STOPPED.

