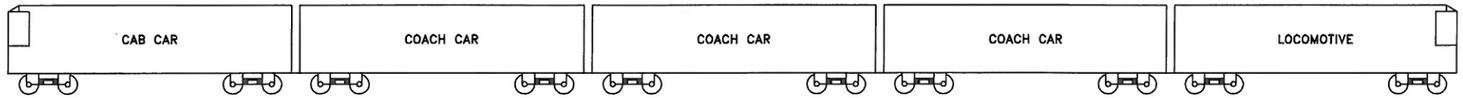
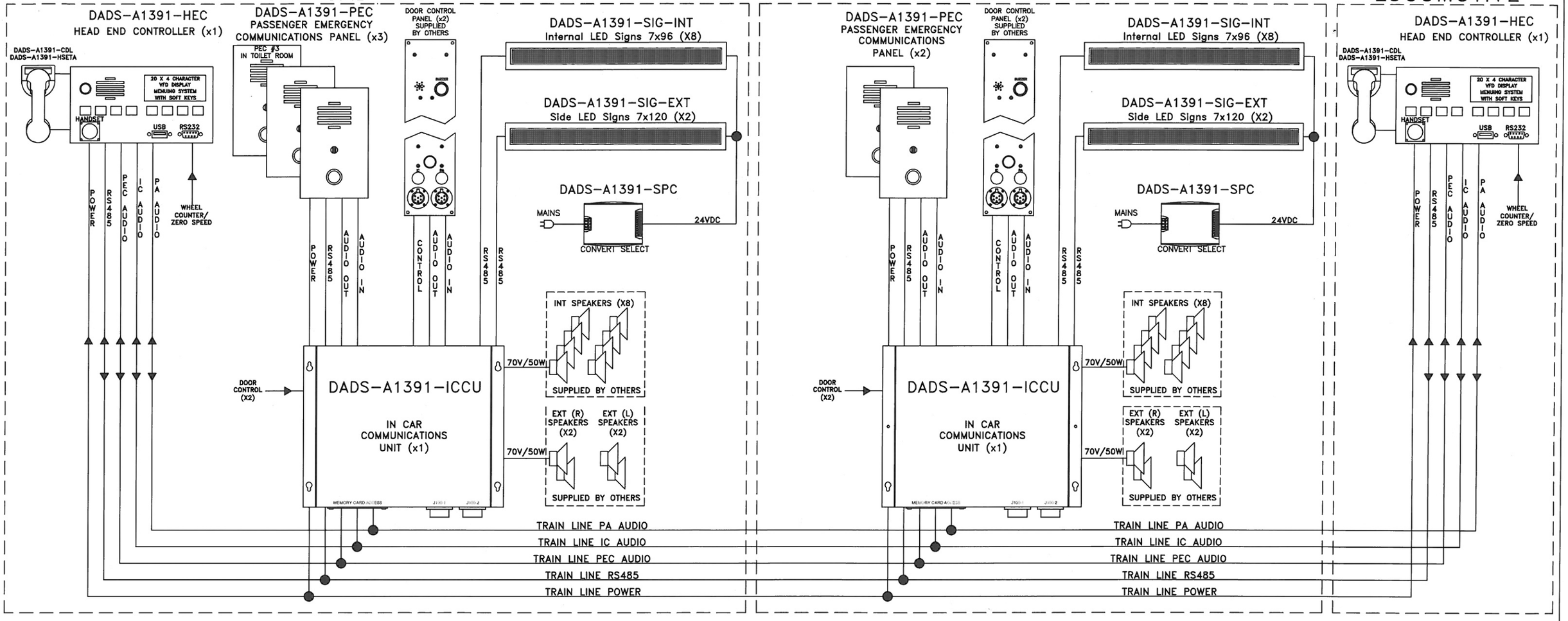
No.	REVISION DESCRIPTION	ENGINEERING	DATE
0	INITIAL RELEASE	RS	16 SEP 11
1	CHANGED TITLE	RS	30 NOV 11
2	REMOVED EXTRA SIGNAGE INTERFACES	RS	12,APR12
3	ADDED PEC FOR TOILET ROOM ON CAB CARS	RS	6,JUL12





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.

MACKENZIE LABORATORIES, INC.
1163 NICOLE CT * GLENDORA * CALIFORNIA 91740 * U.S.A.

TITLE

DADS-A1391 - ATAS SYSTEM
BLOCK DIAGRAM

DRAWN	RS	6,JULY12
CHECK		6 July 2012
PRINT	RS	6,JULY12

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