NOTES:

1) ALL WIRE AWG NO. 24/25/26/28/34 UNLESS OTHERWISE SPECIFIED.
2) ALL CABLE AWG NO. 25/27/30/32/35 UNLESS OTHERWISE SPECIFIED.
3) (X = REQUIRED, Y = NUMBER OF CONDUCTORS)
4) ALL AMPER WIRE 2 AWG UNLESS OTHERWISE SPECIFIED.
5) PERFORM ALL WORK IN ACCORDANCE WITH PRACTICES OF THE RSTCRAFTMAKERS SM-AD AND AC 43.13-18/19 UNLESS OTHERWISE SPECIFIED.

AIRCRAFT HARDWARE
- AC 43.13-18 CHAPEL 7
- AC 43.13-18 CHAPEL 11
- AC 43.13-2A CHAPEL 2
- AC 43.13-18 CHAPEL 3
- AC 43.13-2A CHAPEL 11

6) EMPLOY WIRE 0.5X-13V/10 V SPICE --- UNLESS OTHERWISE SPECIFIED.

7) ALL SINGLE WIRE TO BE #22 AND MINIMUM AND ALL SHIELDED WIRE TO BE #24 AND MINIMUM UNLESS OTHERWISE SPECIFIED.

REMOVED OPERATIONS HANDSET MC AND PTT LINES FROM AUDIO PANEL AND RECONNECT AS SHOWN.

PERFORM POST INSTALLATION TEST IN ACCORDANCE WITH TECHNICAL INSTALLATION INSTRUCTIONS DOCUMENT NO. ORCHEVAL, REVISION 0, ISSUE 2 DATED JULY 2010, OR LATER APPROPRIATE REVISION.

8) THESE PINS CONNECT TOGETHER WHEN THE A790 IS SWITCHED ON AND ARE FLOATING WHEN THE A790 IS OFF.

THE A790 IS AVAILABLE WITH 20 V OR 5 V PANEL, POWER CONFIGURATION PANEL LIGHTING, VOLTAGE IN ACCORDANCE WITH TECHNICAL INSTALLATION INSTRUCTIONS DOCUMENT NO. ORCHEVAL, REVISION 0, ISSUE 2 DATED JULY 2010, OR LATER APPROPRIATE REVISION.

CONNECT TO THE AIRCRAFT DYNAMIC BUS.

OPTIONAL AUXILIARY INPUTS CAN BE CONNECTED TO ANOTHER AUDIO SOURCE.

INSTALL A790 IN ACCORDANCE WITH AC43.13-1A CHAPTER 2, SECTION 3 AND AC 43.13-2A CHAPEL 2, OR 3 1/2.

DC/DC RAIL OR EQUIVALENT MAY BE USED.

CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING AUDIO PANEL.

CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING P/A AMPER.

POWER REQUIREMENT

<table>
<thead>
<tr>
<th>UNIT</th>
<th>MINIMUM CURRENT DRAW</th>
<th>MAXIMUM CURRENT DRAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>A790 LOUD HAILER CONTROLLER</td>
<td>LESS THAN 1A</td>
<td>LESS THAN 1A</td>
</tr>
</tbody>
</table>

AVIONICS DESIGN SERVICES LTD.

MEDLAND, ONTARIO, CANADA.

TIL A790 INSTALLATION IN, AS 350

A790 INSTALLATION IN, AS 350

WD10046

E. MOISE
DRAWN
28 SEP 2005

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RELEASING

AVIONICS DESIGN SERVICES LTD.

RELEASING

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RELEASING
CONFIGURATION 1: STANDARD INSTALLATION

CONFIGURATION 2: ALTERNATE INSTALLATION IF NO SPARE AUDIO PANEL MIC/PTT OUTPUT