NOTES:
1) ALL WIRE AWG MIL-W-22759/24 UNLESS OTHERWISE SPECIFIED.
2) ALL CABLE AWG MIL-W-22759/22500/22592/12336/73323 UNLESS OTHERWISE SPECIFIED.
3) (X = REQUIRED AMT, Y = NUMBER OF CONDUIT) ALL JUMPER WIRE 22 AWG UNLESS OTHERWISE NOTED.
4) ALL SIGNAL CABLE AWG MIL-C-170 UNLESS OTHERWISE SPECIFIED.
5) PERFORM ALL WORK IN STANDARD PRACTICES OF THE NATIONAL AERONAUTICAL MANUFACTURERS ASSOCIATION, THE AIRCRAFT BUILDING CODE, AND THE APPLICABLE REVISIONS.
   AIRCRAFT HARDWARE: AC 43.13-13, CHILDBEEN 7
   AIRCRAFT ELECTRICAL SYSTEMS: AC 43.13-13, CHILDBEEN 11
   RADIO INSTALLATIONS: AC 43.13-24, CHILDBEEN 2
   ANTENNA INSTALLATIONS: AC 43.13-24A, CHILDBEEN 3
   AEROSPACE OR RELOCATING INSTRUMENTS: AC 43.13-24A, CHILDBEEN 11
6) DESIGNATED WIRE 5-13/14-P + X SPACE IF NOT OTHERWISE SPECIFIED.
7) ALL SINGLE WIRE TO BE 22 AND ALL SHIELDED WIRE TO BE 24 AWG MINIMUM UNLESS OTHERWISE SPECIFIED.
   REQUIREMENT: HEADSET 1 AND PEW LINES FROM AUDIO PANEL AND RECONNECT AS SHOWN.
8) PERFORM POST INSTALLATION TEST IN ACCORDANCE WITH TECHNICAL INSTALLATION INSTRUCTIONS DOCUMENT NO. O-REP410, REVISION A, ISSUE 2 DATED JULY 2011, OR LATER APPLICABLE REVISION.
   THESE PINS CONNECT TOGETHER WHEN THE ATV IS SWITCHED ON AND ARE FLOATING WHEN THE ATV IS OFF.
   THE ATV IS AVAILABLE WITH 28V OR 12V PANEL LIGHTING. CONFIRGE PANEL LIGHTING VOLTAGE IN ACCORDANCE WITH TECHNICAL INSTALLATION INSTRUCTIONS DOCUMENT NO. O-REP410, REVISION A, ISSUE 2 DATED JULY 2011, OR LATER APPLICABLE REVISION.
   CONNECT TO THE AIRCRAFT MARKING BUS.
   Optional auxiliary inputs can be connected to another input source.
   INSTALL ATV IN ACCORDANCE WITH AC-43.13-14, CHILDBEEN 2, SECTION 3 AND AC 43.13-24, CHILDBEEN 2 PR 3.1/2.
   AUXILIARY POWER SOURCE MAY BE USED.
   CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING AUDIO PANEL.
   CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING PA AMPLIFIER.

POWER REQUIREMENTS

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<thead>
<tr>
<th>UNIT</th>
<th>MINIMUM CURRENT DRAW</th>
<th>MAXIMUM CURRENT DRAW</th>
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<tr>
<td>ATV90 LOUD-HAILER CONTROLLER</td>
<td>LESS THAN 1A</td>
<td>LESS THAN 1A</td>
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REVIEWED

AVIONICS DESIGN SERVICES LTD
TIL ATV-90 INSTALLATION IN BELL 206

C. WILCOX

DATE: 28 SEP 2010

APPROVED

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MEDIAN, ONTARIO, CANADA.

TIL ATV-90 INSTALLATION IN BELL 206

C. WILCOX

DATE: 28 SEP 2010

APPROVED

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MEDIAN, ONTARIO, CANADA.
CONFIGURATION 1: STANDARD INSTALLATION

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