

Captivate Network Elevator Company Scope of Work 5 Elevators

1. All work to be completed during normal business hours. Written quotes are required and should be sent to the attention of the Project Supervisor performing the site survey. Quotes should be submitted in a timely fashion, 3-5 business days is requested. Once Captivate Network accepts the quote, a written purchase order will be created and sent to the appropriate person and address noted on the quote. All billing and invoices must reference the purchase order number and sent to Captivate at the following location. The invoice must be an original. Copies and faxed documents <u>Will Not</u> be accepted and will delay payment. All work should be performed during normal working hours.

Attn: Accounts Payable Captivate Network 2 Executive Drive, Suite 301 Chelmsford, MA 01824

- 2. Apply for permits. A copy of the permit must be sent to Captivate. All work should be done in compliance with the ASME 17 Code for Elevators and Escalators and the National Electrical Code (NEC) where applicable. Also observe any local codes that may differentiate from the above codes. This is the responsibility of the elevator contractor.
- 3. Install the display system in the elevator cabs. The estimated time is 2 hours to mount the display and antenna assembly.

Elevator Power Electrical Specifications Input voltage 100 – 120 volts AC Frequency 60 Hz Input current (maximum) 1 amp Typical input current 0.30 amps @ 110 volts AC Maximum Power 50 watts Maximum Heat Load 170.645 BTU/Hr.

4. Locate cab-top-power for the display system. The power cord from the display is 14 AWG and typical load is 0.36 amps @ 110 VAC or 40 watts. Use conduit wherever required by code.

5. Locate the position of the antenna assembly. The location will be on the bottom of the cabs. The antenna cable has a very low voltage (approximately 50 millivolts max.). Use conduit if required by code.



6. Each hoist way will require the attachment and wiring of 2 antennas to the wall in the pit. The estimated time to perform the pit work is 2 hours. The location will be close to the holes that were drilled into the hoist way from the electrical boxes for the Access Points. (Note: Access Points require 2 antennas regardless of the number of elevator cars serviced in the hoistway.) The Antennas are typically mounted with line of site to the cab bottom and either side of the center cab in the hoist way. For the two cab hoist way they will be set up with 1 over the center of

each cab. This is approximate and may require some variations during the installation. After the antennas are mounted, the coaxial cables will need to be connected to the antennas and passed through the 1 ¹/₂ -inch drilled hole to the Access Points. The antenna cable has a very low voltage (approximately 50 millivolts max.). Use minimum of 1-inch conduit for the antenna if required by the local code.

- 7. Project start date will be coordinated by the Captivate Installation Coordinator. Questions regarding scope prior to the installation start date should be addressed to:
 - □ Patti Rossetti (978) 845-5081 prossetti@captivate.com
- 8. Onsite activities and escalations should be coordinated with the Captivate Project Supervisor onsite. If the Project Supervisor is not available, issues can be escalated to the Installation Coordinator, or the Field Operations Manager:
 - □ Patti Rossetti (978) 845-5081 prossetti@captivate.com
 - □ Mark Dodge (978) 845-5039 <u>mdodge@captivate.com</u>

Canada Compliance Information

This device complies with Industry Canada License-exempt RSS Standards. Operation is subject the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device has been designed to operate with the antennas listed below, and having a maximum gain of 2 dB. Antenna not included in this list or having a gain greater than 2 dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

Nearson Antenna - S131AM-2450R

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than permitted for successful communication.

FCC Compliance Information

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by Captivate Network could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

To satisfy RF exposure compliance antennas must be installed to provide a minimum 20 cm separation distance from the transmitting antenna to the body of the user during normal operating conditions. This device must not be co-located or operating in conjunction with any other antenna or transmitter





















