

LUMINATO – PORTLAND, MAINE

SECTION 28 13 16

DOOR ENTRY ACCESS CONTROL SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. ADA accessible door entry communication system.
- B. Dwelling unit door bell system

1.2 RELATED SECTIONS

- A. Section 26 05 33 – Raceway and Boxes.
- B. Section 26 05 19 – Building Wire.

1.3 REGULATORY REQUIREMENTS

- A. System: UL listed.

1.4 SYSTEM DESCRIPTION

- A. Door Entry System: A door entry access control system shall be provided to facilitate voice communications between the main entrance of the building and all of the individual living units. In addition, the entrance door lock at the entrance vestibule shall be remotely controlled by telephone control at individual living units. The door entry control panel shall support TTY communication.

1.5 SUBMITTALS

- A. Provide wiring diagrams, data sheets, and equipment ratings, layout, dimensions, and finishes.

1.6 PROJECT RECORD DRAWINGS

- A. Include location of system devices.

1.7 OPERATION AND MAINTENANCE DATA

- A. Include operating instructions, and maintenance and repair procedures.

PART 2 - PRODUCTS

2.1 DOOR ENTRY SYSTEM

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- A. Manufacturers:
 - 1. *Linear* model AE-100/TR-100/12VGB (configured for 24 living units)
 - 2. Substitutions: None permitted.

- B. Entry Control Panel:
 - 1. Programming: Over 30 programmable parameters, including directory code length, display messages, and languages.
 - 2. Outputs: Access relay – 10-amp AC / 7-amp DC@30 volts AC/DC ratings; normally open and normally closed contacts.
 - 3. Display: Front panel LCD technology, 2 lines by 16 characters, 0.3: height. Illuminated LED lighting for the front panel keypad.
 - 4. Electrical:
 - a) Input: 16 VAC from supplied plug-in transformer.
 - b) Current Consumption: <200 mA idle; <500 mA operating.
 - c) Back-Up Battery: Built-in charger with up to 7 A/H battery capacity.
 - d) Dialing: DTMF.
 - 5. Environmental:
 - a) Temperature: -22° to +149°F.
 - b) Humidity: 5% to 95% non-condensing.
 - 6. Dimensions:
 - a) Case: 9-3/4"W x 11-3/4"H x 3-1/2"D.
 - b) Trim Ring Mounting Hole size: 10"W x 12"H.
 - 7. Memory: 125 directory or personal entry codes; all data is stored in non-volatile memory
 - 8. Connections: Wire connections via removable terminal blocks. Provide front cover connection jack for portable TTY.
 - 9. Enclosure: 16-gauge powder coated steel cabinet; 22-gauge brushed stainless steel front cover. Provide surface mounting.
 - 10. Standard Equipment: Integral keypad, display, speakers, and microphone; flush mounting, indoors or outdoors.

PART 3 - EXECUTION

3.1 COORDINATION

- A. Coordinate door entry access control system with door operators and door hardware being provided under the General Contract. Contractor is responsible for coordination of all interface requirements including proper voltages, conductors and terminations.

3.2 INSTALLATION

- A. Install devices in accordance with manufacturer's instructions.
- B. Locate the entry panel outside the main entrance lobby. Verify exact location of the entry panel with Architect prior to rough-in.

3.3 FIELD QUALITY CONTROL

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- A. Provide field-testing and adjustment of installed door entry system to assure satisfactory operation.

END OF SECTION