

### ARCHITECTS' & ENGINEERS' SPECIFICATIONS

**Stations:** Intercom station shall be Lee Dan model IR-444SS or approved equal. Station shall be constructed of high grade (low carbon) 20 gauge stainless steel. Individual round metal pushbutton controls shall be provided for Talk, Listen, and Door release functions. Pushbuttons shall be heavy duty (6 amp rated) solid metal Carlingswitch type. Wiring connections shall be positive screw terminal type only—pigtail type connections are not acceptable. Speaker shall be 3", 1 Watt, 45 Ohm. Pushbuttons and speaker shall be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Scrulox type. One Lee Dan model SC-1 Scrulox type screw driver shall be provided per building for station maintenance.

**Amplifier:** Intercom amplifier shall be Lee Dan model PK-543 or approved equal, and shall be UL listed. Non UL listed amplifiers shall not be acceptable. Amplifier shall be powered by a Lee Dan model PS-30A transformer (16VAC/30VA), or approved equal and shall be UL listed.

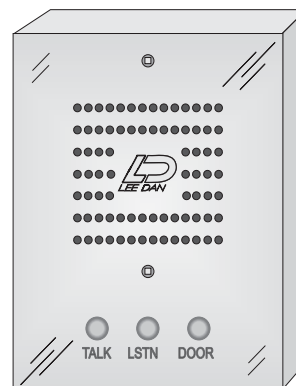
**Lobby Panel ("Quantum" option 1 of 2):** Intercom panel shall be a Lee Dan vandal-proof Quantum™ series or approved equal. Panel shall be constructed of high grade (low carbon) 16 gauge stainless steel. Pushbuttons shall be heavy duty (6 amp rated) solid metal Carlingswitch type, and shall be individually replaceable. Pushbuttons shall be mounted on a sub-plate mounted behind the stainless steel panel. Apartment designations shall be permanently engraved directly into the stainless steel panel. The building address shall be permanently engraved directly into the top of the stainless steel panel to assist visitors and to deter panel theft.

Speaker shall be 3.5", 1 Watt, 45 Ohm with mylar cone. Paper cone speakers are not acceptable. Speaker shall be protected by a three layer metal speaker baffle. Intercom panel shall include an integral alphabetical directory protected by Lexan® sheet. Speaker, pushbuttons and directory components shall all be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Tampruf type. A Lee Dan model SC-T Tampruf type screw driver shall be provided with each lobby panel for directory maintenance.

**Lobby Panel ("Millennium" option 2 of 2):** Intercom panel shall be a Lee Dan vandal resistant Millennium series or approved equal. Panel shall be constructed of 16 gauge low-carbon Stainless Steel with permanently engraved solid aluminum black anodized plungers. Pushbuttons shall be self-wiping type with positive screw terminals. Pigtail connections will not be acceptable. Pushbuttons shall be mounted on a sub-plate mounted behind the panel. Pushbuttons shall be activated by pressing the solid metal plungers.

Speaker shall be 3.5", 1 Watt, 45 Ohm with mylar cone. Paper cone speakers are not acceptable. Speaker shall be protected by a three (3) layer metal speaker baffle. Intercom panel shall include an integral alphabetical directory protected by Lexan® sheet. Speaker, pushbuttons and directory components shall all be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Tampruf type. A Lee Dan model SC-T Tampruf type screw driver shall be provided with each lobby panel for directory maintenance.

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Model  
IR-444SS

### APPLICATION

The IR-444SS is a durable all metal stainless steel apartment intercom station for city housing projects, dormitories, jails, or other high projects where vandalism is a concern.

Advanced circuitry and simple pushbutton operation make this the perfect station for use in large or small buildings.

### IR-444SS SPECIFICATIONS

- Size:** 6 7/8" High, 5" Wide, 1 3/8" Deep.
- Controls:** Individually replaceable Talk, Listen and Door Release round metal Carlingswitch buttons with self-wiping, plated contacts and positive screw terminal connections.
- Finish:** High carbon stainless steel.
- Speaker:** 3", 1 Watt, 45 Ohm. Heavy duty magnet with natural voice reproduction. Also used for tone signal from the lobby panel.
- Amplifier:** Use UL listed Lee Dan model PK-543.
- Wiring Requirements**
- 4 Wires:** Use 1 twisted pair, plus 1 conductor common, plus 1 selective #22 gauge.
- Mounting Methods**
- Mounts directly to surface of wall, or to single gang flush mount electrical boxes.