

# ARCHITECTURAL SPECIFICATIONS

## Alliance 2002

The building shall be equipped with an ALLIANCE 2002 NPL Access Control System that interfaces with the buildings internal telephone wiring. This system shall not require the rental of a separate network telephone line or dedicated wire to each apartment. It shall be capable of sharing the internal wiring without interfering with the normal operation of the phone service. The system shall provide communication from the controlled door(s) and provide call notification by generating a distinctive ring at the apartment phone so the call can be identified as a building entrance call and not an outside call. The system must also be capable of generating an internal system call waiting signal. If the apartment phone is in use on a phone network call, the system shall allow the entrance call to be answered and then return to the network call. The system shall have as a standard feature, PIN codes with additional codes for use by maintenance personnel beyond that of the tenant capacity. The door opening tone must be programmable in the door control panel in order to accommodate multiple doors or options.

The system with multiple entrances shall use telephone line interface blocks to prevent entrances other than the entrance that placed the call to be opened.

The NPL Access Control System shall be capable of incorporating optional features by adding modules directly into the door control panel. Optional features shall include time of day clock, for programming automatic unlocking and relocking of doors for selected days and times, card access with time zones and access levels, relay capability for camera/light activation and modem or keyboard for programming.

The system shall have the capabilities of: "music-on-hold", postal lock, door lock and timer cut-off to prevent "tailgating", and an ADA for the hearing and/or vision impaired. The ADA option shall include volume control, Braille keypad, directory letter size and Braille label. The system shall also provide for an optional guard position phone. As a standard feature, the system control panel must be programmable using the built-in keypad.

The "tenant directory" shall be a stand-alone type capable of incorporating typed or insert letters, or an LCD (liquid crystal display) type directory that shall be incorporated into the door control panel with a minimum of 4 sizes, (a 2 line, 4 name, 8 name and/or a multi-name directory that is site programmable for letter size).

The system equipment shall have 2 or more lockable enclosures for a system line control panel and one or more line expansion panels. Wiring between the enclosures shall not be ribbon cable. The line cards for interfacing the apartment phones to the telephone network shall be directly connected to the system line expansion panel by the line card interface cable, (without any wire or harness). Line cards shall support up to 12 telephones, and the line expansion panel shall support up to 8 line cards (up to 96 telephones).

The system shall be expandable to support up to 1536 telephones (up to 16 line expansion panels). The system shall be powered by a 16.5 volt 40 VA transformer. (A separate transformer must be supplied for the electric door strike chosen. Size will depend on the type of strike).

