

Project: Llano River Family RV Park – Communications Installation

37 Keller Veleno Rd

Mason, TX 76856

Completion Date: November 30, 2004

Project Manager: Kasee Powers

Overview

American Technology Systems was commissioned to install phone and data communications for the Llano River Family RV Park.

Solution

Cable Installation

Row 1 has home cable runs from the Main Building. Cable runs from the MDF to IDF1, this feeds Row 2 and Row 3. Cable runs from IDF1 to IDF2, feeding row 4, from IDF2 to IDF3, feeding row 5, from IDF3 to IDF4, feeding row 6, and from IDF4 to IDF5 feeding row 7. Each “Hookup” consists of three cables, one Cat5e, one Cat3 2 pair or 3 pair, and one RG-6 coax. All “Hookups” have “home runs” to each corresponding IDF. Cable is looped from pedestal to pedestal (not being cut), until reaching the last pedestal of each row. A dedicated electrical feed is supplied from the MDF to IDF1, to IDF2 and so on. This allows the circuit to be connected to surge and battery backup equipment located in the MDF, helping to prevent hardware damage.

Equipment Installation

Most equipment is housed in the Main Distribution Frame (MDF) located upstairs in the main office building. Equipment is also housed in each Intermediate Distribution Frame (IDF), “the green boxes in the middle of rows three through seven”. Equipment in the MDF consists of one Digital/Analog key phone system with the current configuration of 56 extensions and the possibility of expansion to 64 extensions, one 16 port switch and one cable/DSL router. Each IDF consists of one 16 port switch.

Phone System Programming

Only administrator phones can dial long distance. The system is setup to allow outgoing calls on 325-347-5542 only from an administrator phone. This number has long distance all other lines do not. RV hookups can only make outgoing calls on lines 2 through 4, resulting in blocking of long distance calls by customers. Have

the phone company hook up line 1 to the corresponding line on the “Tower Max CO” serge protector and line 2 and so on. The system is programmed and just waiting for outside lines.

Administrators

The Plexus PVT-30D digital phone and the Plexus Operator Console require two pairs of wires to work properly. Each phone jack in the office is wired with all pairs terminated. Once a final location has been chosen I will revisit the RV Park to make the appropriate jack “hot”. I will also take time to explain any questions. I am leaving an “Office Manager’s Guide” upstairs. Become familiar with this guide, it will help answer many questions. This guide will explain how to change your automated attendant greeting, change passwords, basic phone functions, and much more. If advanced configuration changes are required, I can remotely access the system for programming, or I can schedule a site visit. Below I have presented a few functions that might be helpful.