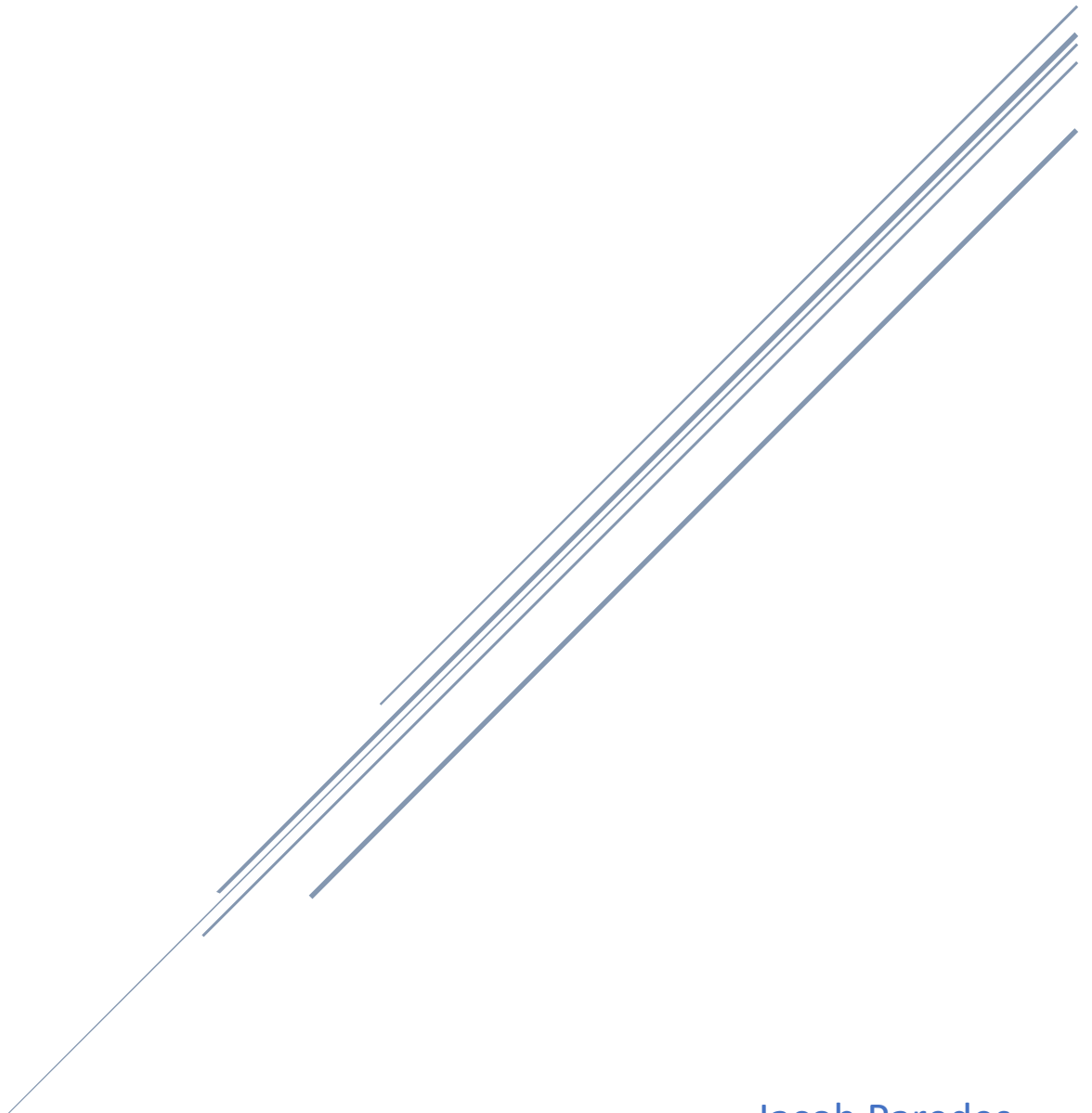


DATA CABLING CASE STUDY

Ricky V. Windows & Doors



Jacob Paredes
Central Valley Networks

Overview

Ricky v Windows & Doors contacted Central Valley Networks to help relocate to their new facility, establishing a reliable, high-speed, and neatly organized network to ensure zero downtime. This project involved end-to-end design, installation, and certification of a structured cabling system to support their daily operations.

The Problem

What problems did Ricky V Windows & Doors Face?

- **Office Relocation:** Moving to a new location with no previous cabling required a fresh start with cabling and infrastructure
- **Organization & Scalability:** A messy or poorly labeled network leads to costly troubleshooting delays, IT frustration, and downtime. They needed a clean, professional, and future-proof setup

The Solution

To deliver a reliable network, we executed the following:

- **Structured cabling deployment:** Successfully ran 6 CAT6 data cable lines through the building, strategically routing them to key workstations and offices
- **Patch panel installation:** Terminated all incoming runs into a dedicated patch panel, ensuring a clean and easily manageable connection hub
- **Rigorous Quality Assurance:** For every single line installed, we performed:
 - **Termination:** Precision wire-to-jack connectivity
 - **Toning:** Tracing and mapping every single run to guarantee accurate layout design
 - **Testing:** End-to-end verification to ensure signal integrity
- **Comprehensive Labeling:** Labelled every single wall jack and patch panel port, providing Ricky V Windows & Doors with intuitive mapping for effortless future maintenance.

Results

- **Plug-and-Play readiness:** Ricky V Windows & Doors transitioned into their new building with zero network downtime, allowing staff to plug in and work immediately
- **Future-Proof reliability:** Certified, tested lines ensure high bandwidth capabilities, supporting the company's data demands for years to come

