

Paid Training / Skills Assessment

Welcome! For your project this month you'll be building the electronic system for a 1000 acre family compound that includes a private cell tower, hockey rink, equestrian center, sports center, controllable water rafting river, outdoor golf course, indoor golf simulator, vineyard, family office, restaurant, and a number of other buildings. All buildings are for the family's use and the venue is not public. P.S. all the parts have already arrived here and you'll find them in the storage room! Misc items can be easily obtained locally and Carrie will help you do so! Items marked with a "#" must be done right away as contractors are waiting on our designs!

1. Review Our Created Documentation

- a. Floor Plans
- b. Survey Overlay
- c. Parts List
- d. Golf Simulator
- e. Fiber-optic Map
- f. Original Scope of work
- g. Change Orders
- h. Bid Specs
- i. Patch Panel Designs
- j. Home Theater Design

2. Create Documents

- a. Final to-date scope of work with status
- b. # Finish building fiber-optic/network map
- c. Diagram of all gates on compound
- d. Diagram of server rack layouts

3. Physically Build Server Rack

4. Program Server Rack

5. Test to Ensure Proper Operation

- a. # Long Range POE network for spaceship gate.
- b. Speakers
- c. TV's
- d. Cameras
 - i. Exir Series
 - ii. Darkfighter Series
 - iii. LPR (License Plate Recognition)
 - iv. Human Line Crossing / Facial Recognition Perimeter Alerts
- e. Vehicle Detection Triggers (Use rear alley)
- f. ID Badges
- g. Create a working 2D model of Gate w/ LPR using Push Buttons and LED lights representing cause & effect to test your program.

6. Finalize Vendors, Parts & Cost:

- a. Golf Simulator (Foresight)
- b. Smart Notification Breakers (GE)
- c. Private Cellular Tower (Wilson Electronics)