

2 potential big low voltage and HW installation projects in Manhattan!

I have asked Paul (copied) to review this as well, but your familiarity with Manhattan and NY in general will be hugely beneficial: union considerations, low voltage licensing, necessary presence of an electrician (not to help, just to be there!) while running LV, and other NY-area challenges.

Can you please review the plans attached? I would like you to provide a scope breakdown:

- **Total devices to be installed by us**
 - **For example, 3 POS at counter, 1 POS at barista, etc.**
- **Total data drops to be run, terminated, and tested by us**
- **Materials needed with costs (see below for breakdown of what they want us to provide)**
 - **Raw cable**
 - **Cable terminators/ends**
 - **Patch cables**
 - **Zip ties, J hooks, general exhaustible LV materials**
 - **Number of faceplates/wall plates and specs for each (i.e. 4 quad data plates, 6 dual, etc.)**
- **Total speaker wire runs per location**
- **Total man hours to complete each location (i.e. 2 techs, 1 day (16 hours) of rough-in, 8 hours for terminating and testing, XX hours for the hardware installations)**
 - **Hardware we will be installing:**
 - **POS/KDS**
 - **Speakers**
 - **Network rack, stack, and test**
 - **WAPs**
 - **CC pin pads, all printers, cash drawers**
 - **All speakers**

More details from the client (we provide anything NOT highlighted):

- **All low voltage cabling from IT rack to point of use as shown on plans**
- **All low voltage device plates and jacks.**
- **Rings and strings will be provided by electrician.**
- **All exposed cabling to be routed neatly at right angles in the exposed ceiling areas.**
- **IT rack – see specification for Navepoint rack on EA011.**
- **1u rack shelves**

- 48 port NG blank patch panel.
- APC 1000VA Smart UPS with SmartConnect Rack Mount UPS battery backup.
- Furman M8x2 Merit Series 8 outlet power conditioner and surge protector with (2) 18 gauge electrical extension cable.
- 60 patch cords