

**Kingsville Independent School District**  
**Instructional Technology Department**  
**Memorial Middle School – Port Density E-Rate 2010**  
**915 North Armstrong Avenue**  
**Kingsville, TX 78363**

**MDF (in between room #s W116 and E116)**

6 Patch panels available

- 24 port patch panel - 16 cables
- 48 port patch panel - 48 cables
- 48 port patch panel - 48 cables
- 48 port patch panel - 48 cables
- 24 port patch panel - 20 cables
- 24 port patch panel - 24 cables

Total number of existing cable drops **204**

Total number of cable drops necessary to replace old CAT5 cable = 215

NOTE: Patch panel on back of APC cabinet is for camera system; patch panel and cable runs are not to be replaced. Service loop provided to relocate patch panel to front of cabinet.

This location will need one additional full size APC (42Us Model AR3100) cabinet to house the new phone system and network equipment; it will house also a new APC Symmetra 6k with step down and extended run.

**IDF1 (behind office area)**

7 Patch panels available

- 48 port patch panel - 48 cables
- 24 port patch panel - 24 cables
- 24 port patch panel - 20 cables
- 24 port patch panel - 24 cables
- 24 port patch panel - 16 cables
- 24 port patch panel - 10 cables
- 24 port patch panel - 8 cables

Total number of existing cable drops **150**

Total number of cable drops necessary to replace old CAT5 cable = 192

This location will need two new full size APC (42Us Model AR3100) cabinets. Cabinet #1 will house the new patch panels, the new network equipment, and the new 6k Symmetra with step down and extended run. APC cabinet #2 will house the new patch panels and switches designated for IDF3 (**IDF3 will be removed permanently from its existing location**); this cabinet will receive also a new APC Symmetra 6k with step down and extended run.

**IDF2 – (adjacent to school cafeteria)**

Total of 2 Patch Panels available

- 24 port patch panel - 22 cables
- 24 port patch panel - 12 cables

Total number of existing cable drops **34**

Total number of cable drops necessary to replace old CAT5 cable = 48

NOTE: include two APC SUA 1000 UPS RM 2U

**IDF3 – (not seen during site visit; this IDF will disappear and instead cables will be pulled from IDF1)**

Total of 2 Patch Panels available

- 48 port patch panel - 48 cables
- 24 port patch panel - 12 cables

Total number of existing cable drops **60**

Total number of cable drops necessary to replace old CAT5 cable = 72 ←the new patch panels and cable runs are to be pulled from IDF1, new APC cabinet #2. Please, refer to notes above for IDF1.

**Campus-wide total number of cable drops necessary = 528**

**ADDITIONAL NOTES**

- All surface mounted raceway must be Wiremold v2000 series
- All IDFs will have dedicated 10 Gig single mode armored fiber connections (home-run fiber links)
- This location needs a CISCO phone system to replace existing analog system; all licensing to be included to support user accounts
- Total number of CISCO telephone units necessary = 50
- Existing Catalyst 4507 at MDF will be replaced by 6500 series Catalyst (6509) with PoE blades
- New 6500 series unit will have 10 Gig blades and maximum of 8 ports 2 to 1
- One APC Symmetra 6K with Step Down and Extended Run to support new phone system at MDF, and one additional 6K Symmetra with step down and extended run for IDF1, and all other UPSs as described in this campus summary
- New paging and intercom system integrated into proposed network upgrade
- Service provider quote must include mining of existing network cable