

**UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF WEST VIRGINIA**



TERESA L. DEPPNER  
CLERK OF COURT

**BLUEFIELD**

Room 2303  
601 Federal Street  
Bluefield, WV 24701

P. O. Box 4128  
Bluefield, WV 24701

304/327-9798

**CHARLESTON**

Suite 2400  
300 Virginia Street, East  
Charleston, WV 25301

P. O. Box 2546  
Charleston, WV 25329

304/347-3000

**HUNTINGTON**

Room 101  
845 Fifth Avenue  
Huntington, WV 25701

P. O. Box 1570  
Huntington, WV 25716

304/529-5588

**BECKLEY**

Room 119  
110 North Heber Street  
Beckley, WV 25801

P. O. Drawer 5009  
Beckley, WV 25801

304/253-7481

**PARKERSBURG**

Room 5102  
425 Juliana Street  
Parkersburg, WV 26101

Please use street address  
above.

304/420-6490

[www.wvsd.uscourts.gov](http://www.wvsd.uscourts.gov)

Reply to: Charleston

**REQUEST FOR QUOTE  
USDC-07-2009**

September 17, 2009

**SUMMARY DESCRIPTION**

The United States District Court for the Southern District of West Virginia is seeking a Request for Quotation (RFQ) to furnish and install fiber cable in our Charleston and Huntington buildings. Vendor must provide innerduct, fiber, fiber ends, and all necessary materials and labor to complete work at each work site. The work must be completed according to the NEC standards. All fibers must be tested after termination. Court staff may wish to be present during testing and/or request the results of each test.

**SPECIAL NOTES**

Scheduled times for site visits are as follows:

Monday, September 21, 2009 - Charleston - 10:00 am

Tuesday, September 22, 2009 - Huntington - 10:00 am

If the vendor is not available during these times provided, please contact Dawna Goodson at 304-347-3089 or Kris Gerencir at 304-347-3101 to schedule an appointment time. Site visits are optional.

For **technical questions** concerning this project, please contact Mike Kinder at 304-347-3023.

Quotes may be faxed, emailed or hand-delivered to the below address by **September 24, 2009 at 4:00 pm.**

Contact information - Please send quotes to:

United States District Court  
Attn: Dawna Goodson, Contracting Officer  
300 Virginia Street, East, Room 2400  
Charleston, WV 25301  
304-347-3089 Telephone  
304-347-3091 Fax  
[Dawna\\_Goodson@wvsd.uscourts.gov](mailto:Dawna_Goodson@wvsd.uscourts.gov)

**A fixed price award from this RFQ will be made based on the lowest priced, technically acceptable offer based on the availability of funds.**

Building Address for work to be completed:

United States District Court  
Robert C. Byrd Courthouse  
300 Virginia Street, East, Room 2400  
Charleston, WV 25301

United States District Court  
Sidney L. Christie Federal Building  
845 Fifth Avenue, Room 101  
Huntington, WV 25701

**Quotes shall include an estimated time frame for each site project completion. Each work site shall be quoted separately. Installation shall be coordinated with the United States District Court's schedule.**

**ATTACHMENTS:**

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- Attachment 1 - Statement of Work
- Attachment 2 - Drawing
- Attachment 3 - Pictures of Finished Work

## **INCORPORATION BY REFERENCE**

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### **JP3 Provision B-5, Clauses Incorporated by Reference (Oct 2006)**

This procurement incorporates one or more clauses by reference, with the same force and effort as if they were given in full text. Upon request, the contracting officer will make their full text available. Also, the full text of a clause may be assessed electronically as this address:  
<http://www.uscourts.gov/procurement/clauses.htm>

The following clauses are included by reference.

**JP3 Clause 7-30 - Public Use of the Name of the Federal Judiciary (Jan 2003)**

**JP3 Clause 7-140 - Discounts for Prompt Payment (Jan 2003)**

**JP3 Clause 7-235 - Disputes (Jan 2003)**

# ATTACHMENT 1

## STATEMENT OF WORK

## GENERAL

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### QUALITY ASSURANCE

- All equipment shall be installed in a neat and workmanlike manner.
- Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, an marked for intended use.
- Comply with NFPA 70.

### FIRESTOPPING

- Apply firestopping to sleeves and other penetrations of fire-rated floor and wall assemblies to restore original undisturbed fire-resistance ratings of assemblies.

### CUTTING AND PATCHING

- Repair, refinish and touch up disturbed finish materials and other surfaces to match adjacent undisturbed surfaces.

## INNERDUCTS

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- All innerducts will be supported by the building structure in such a manner that the innerduct will not be damaged by normal building use.
- Innerducts shall be supported by straps or similar fittings designed and installed so as not to damage the innerduct.
- Pull boxes should be used on straight intervals of 250 feet to reduce the length of cable that must be pulled during a single pull.
- Pull boxes should be located in any area where the innerduct makes several bends that total more than 180°.

## FIBER OPTIC CABLE

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### CABLE PULLING

- The contractor shall use pulling grips, with or without swivel eyes, for all distribution cables *and* a breakaway swivel rated for the proper installation tensile load of the cable being installed. The pulling grip should be sized appropriately for the diameter of the cable.
- Maximum pulling tensions during installation are specified by the manufacturer and must not be exceeded at any time. The cable should be pulled by hand as much as possible. Pulling tensions should always be monitored when using mechanical pulling techniques. The cable should be pulled in a steady, continuous motion and never jerked. At no time should

the cable be pushed. The cable should be installed using the minimum possible tension.

### **MINIMUM BEND RADIUS**

- The Minimum Bend Radius shall be 5 1/2 inches.

### **TERMINATIONS**

- All connectors shall be of type "SC".
- The connector shall provide a strain relief mechanism for installation on a single fiber cable that contains strength elements. The fiber within the body of the connector shall be isolated mechanically from cable tension, bending and twisting.
- The connector installation tool kit will contain an integrated continuity test systems (CTS), which will give immediate Go/No-Go feedback of successful connectivity.
- When tested in accordance with FOTP-171, connectors shall be consistently capable of insertion losses  $\leq 0.1$  dB (average) and  $\leq 0.5$  dB (maximum) when installed in accordance with the manufacturer's recommended procedure.
- Each connector shall be equipped with a protective dust cap that does not contaminate the connector endface.

### **TESTING**

- All testing will comply with established national standards developed by the TIA (Telecommunications Industry Association) and EIA (Electronic Industries Alliance).
- Maximum acceptable cabled Attenuation shall be 3.0 dB per 1.0 km
- All testing will be observed by a representative of the West Virginia Southern District.

## **CHARLESTON**

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### **Room 7800**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 7800 to Wall Mount 2-panel Fiber Termination Box in Closet 7W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 7800 to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 7W (Telephone Room)**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Closet 7W (Telephone Room) to Wall Mount 2-panel Fiber Termination Box in Closet 6W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Closet 7W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Room 6600**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 6600 to Wall Mount 2-panel Fiber Termination Box in Closet 6W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 6600 to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Room 6000**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each

- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 6000 to Wall Mount 2-panel Fiber Termination Box in Closet 6W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 6000 to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 6W (Telephone Room)**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Closet 6W (Telephone Room) to Wall Mount 2-panel Fiber Termination Box in Closet 5W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Closet 6W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Room 5600**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 5600 to Wall Mount 2-panel Fiber Termination Box in Closet 5W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 5600 to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Room 5000**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 6000 to Wall Mount 2-panel Fiber Termination Box in Closet 5W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 5000 to Rack Mount Fiber Termination Box in Room 2223 without splices

- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 5W (Telephone Room)**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1 1/4” Innerduct from Wall Mount 2-panel Fiber Termination Box in Closet 5W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Closet 5W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Room 3116**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Room 6000 to Wall Mount 2-panel Fiber Termination Box in Closet 3W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Room 3116 to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 3W (Telephone Room)**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 1” Innerduct from Wall Mount 2-panel Fiber Termination Box in Closet 3W (Telephone Room) to Wall Mount 2-panel Fiber Termination Box in Closet 3W (Telephone Room)
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Closet 3W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 2E (Telephone Room)**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each

- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in Closet 2E (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Closet 2W (Telephone Room)**

- Install (2) Wall Mount 2-panel Fiber Termination Boxes including (2) Adapter Panels with 3 “SC” Duplex Adapters each in each box
- Install 1” Innerduct from one Wall Mount 2-panel Fiber Termination Box in Closet 2W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223
- Install 1” Innerduct from one Wall Mount 2-panel Fiber Termination Box in new Closet 2W (Telephone Room) to other Wall Mount 2-panel Fiber Termination Box in new Closet 2W (Telephone Room)
- Install (2) 12-strand Multimode Fiber Optic Cables from (2) Wall Mount 2-panel Fiber Termination Box in Closet 2W (Telephone Room) to Rack Mount Fiber Termination Box in Room 2223 without splices (one 12-strand MMF cable in each box)
- Terminate (2) 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Boxes with “SC” type connectors (one 12-strand MMF cable in each box)

### **First Floor Telephone Room**

- Install Wall Mount 2-panel Fiber Termination Box including (2) Adapter Panels with 3 “SC” Duplex Adapters each
- Install 12-strand Multimode Fiber Optic Cable from Wall Mount 2-panel Fiber Termination Box in First Floor Telephone to Rack Mount Fiber Termination Box in Room 2223 without splices
- Terminate 12-strand Multimode Fiber Cable in Wall-Mount 2-panel Fiber Termination Box with “SC” type connectors

### **Computer Room (Room 2223)**

- Install 4U Rack Mount Fiber Termination Housing including (28) Adapter Panels with 3 “SC” Duplex Adapters each
- Terminate (14) 12-strand Multimode Fiber Cables (168 terminations total) in Rack Mount Fiber Termination Box with “SC” type connectors

## HUNTINGTON

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### **New First Floor Server Room**

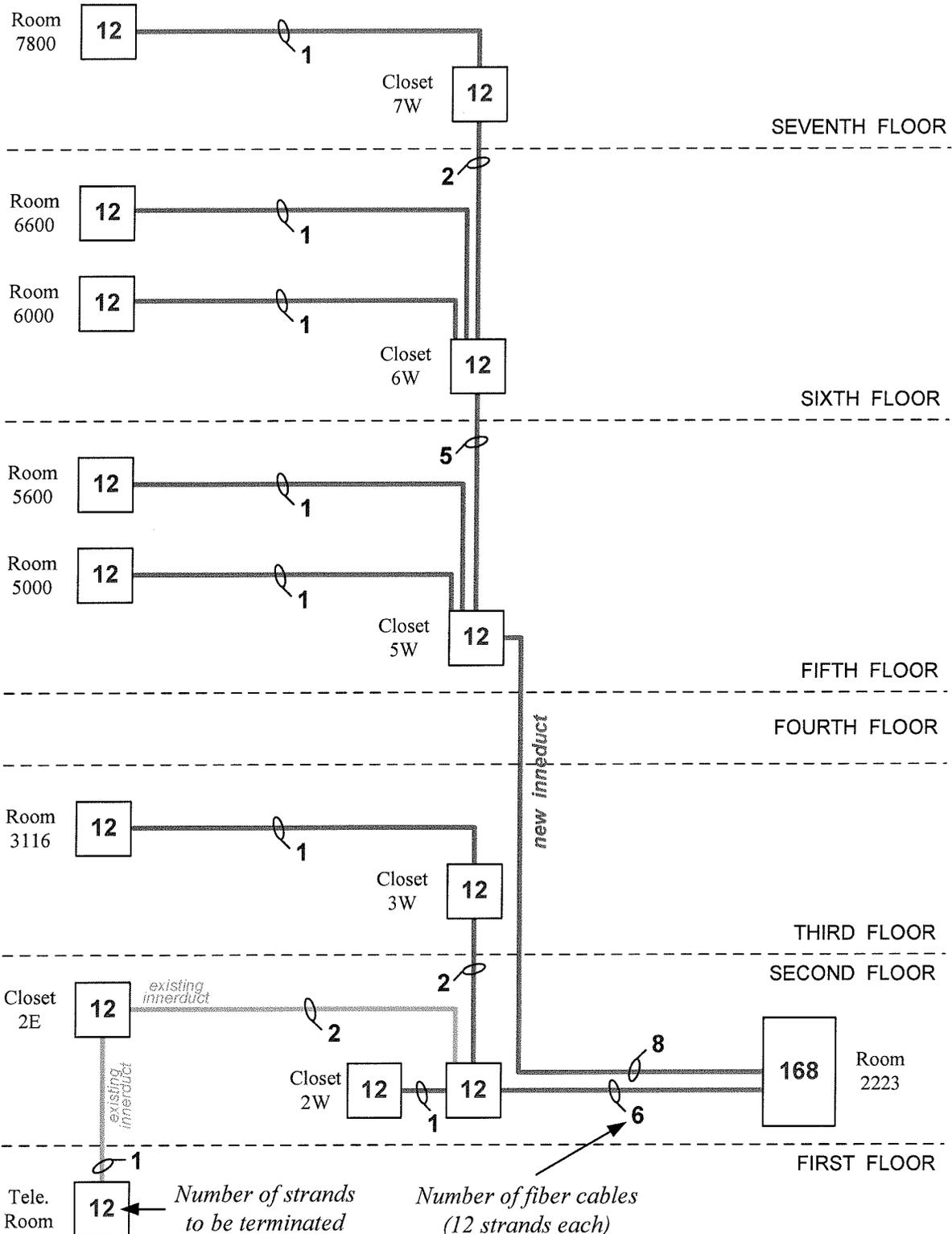
- Install (2) Wall Mount 2-panel Fiber Termination Boxes including (2) Adapter Panels with 3 “SC” Duplex Adapters each in each box
- Install 1” Innerduct from one Wall Mount 2-panel Fiber Termination Box in new First Floor Server Room to other Wall Mount 2-panel Fiber Termination Box in new First Floor Server Room
- Install 1” Innerduct from one Wall Mount 2-panel Fiber Termination Box in new First Floor Server Room to Wall Mount 2-panel Fiber Termination Box in Third Floor Closet
- Install (2) 12-strand Multimode Fiber Optic Cables from (2) Wall Mount 2-panel Fiber Termination Boxes in New First Floor Server Room to (2) Wall Mount 2-panel Fiber Termination Boxes in Third Floor Closet without splices (one 12-strand MMF cable in each box)
- Terminate (2) 12-strand Multimode Fiber Cable in (2) Wall-Mount 2-panel Fiber Termination Boxes with “SC” type connectors (one 12-strand MMF cable in each box)

### **Third Floor Closet**

- Install (2) Wall Mount 2-panel Fiber Termination Boxes including (2) Adapter Panels with 3 “SC” Duplex Adapters each in each box
- Install 1” Innerduct from one Wall Mount 2-panel Fiber Termination Box in First Floor Server Room to Rack Mount Fiber Termination Box in new First Floor Server Room
- Terminate (2) 12-strand Multimode Fiber Cable in (2) Wall-Mount 2-panel Fiber Termination Boxes with “SC” type connectors (one 12-strand MMF cable in each box)

# ATTACHMENT 2

## DRAWING



Drawing Not To Scale

Southern District of West Virginia  
 Innerduct Installation and  
 Fiber Cabling Installation and Terminations

**CHARLESTON  
 DIVISION**

### INNERDUCT

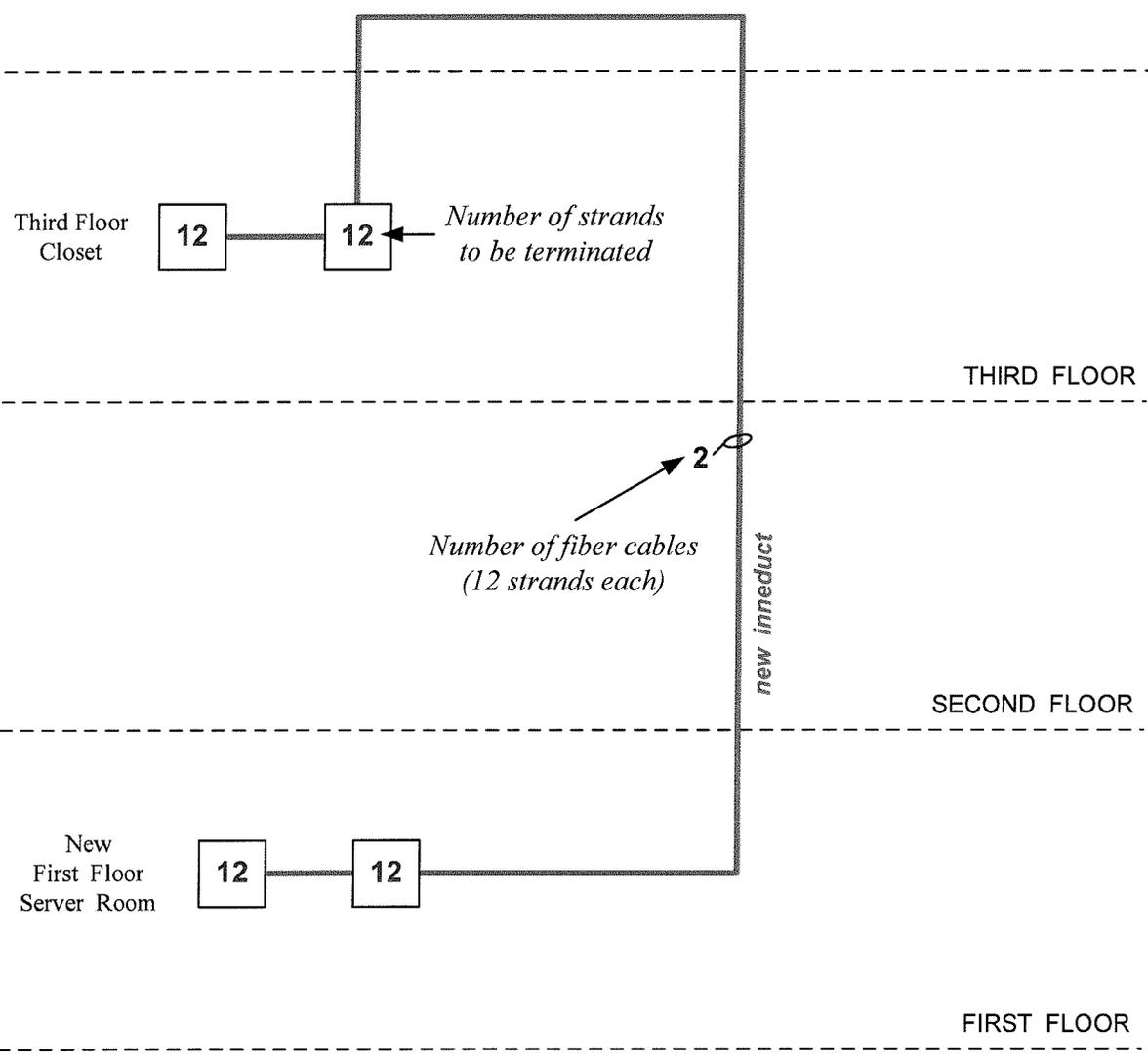
Location	1" Innerduct	1 1/4" Innerduct
Room 7800 to Closet 7W	280 feet	
Closet 7W to Closet 6W	50 feet	
Room 6600 to Closet 6W	280 feet	
Room 6000 to Closet 6W	220 feet	
Closet 6W to Closet 5W		55 feet
Room 5600 to Closet 5W	280 feet	
Room 5000 to Closet 5W	220 feet	
Closet 5W to Room 2223		235 feet
Room 3116 to Closet 3W	138 feet	
Closet 3W to Closet 2W	30 feet	
Closet 2W to Closet 2W	2 feet	
Closet 2W to Room 2223		135 feet
<b>TOTALS</b>	<b>1,500 feet</b>	<b>425 feet</b>

### FIBER CABLE (12-strand)

Location	Length
Room 7800 to Room 2223	636 feet
Closet 7W to Room 2223	356 feet
Room 6600 to Room 2223	584 feet
Room 6000 to Room 2223	524 feet
Closet 6W to Room 2223	304 feet
Room 5600 to Room 2223	532 feet
Room 5000 to Room 2223	472 feet
Closet 5W to Room 2223	252 feet
Room 3116 to Room 2223	320 feet
Closet 3W to Room 2223	182 feet
Telephone Room to Room 2223	302 feet
Closet 2E to Room 2223	212 feet
Closet 2W to Room 2223	155 feet
Closet 2W to Room 2223	154 feet
<b>TOTALS</b>	<b>4,985 feet</b>

Southern District of West Virginia  
 Innerduct Installation and  
 Fiber Cabling Installation and Terminations

**CHARLESTON  
 DIVISION**



*Drawing Not To Scale*

Southern District of West Virginia  
Innerduct Installation and  
Fiber Cabling Installation and Terminations

**HUNTINGTON  
DIVISION**

<b>INNERDUCT</b>	
<b>Location</b>	<b>1" Innerduct</b>
New First Floor Server Room to Third Floor Closet	460 feet
<b>TOTALS</b>	<b>460 feet</b>

<b>FIBER CABLE (12-strand)</b>	
<b>Location</b>	<b>Length</b>
New First Floor Server Room to Third Floor Closet	480 feet
New First Floor Server Room to Third Floor Closet	480 feet
<b>TOTALS</b>	<b>960 feet</b>

Southern District of West Virginia  
 Innerduct Installation and  
 Fiber Cabling Installation and Terminations

**HUNTINGTON  
 DIVISION**

**SOUTHERN DISTRICT OF WEST VIRGINIA  
FIBER CABLE INSTALLATION**

<b>Product Number</b>	<b>Product Description</b>
012S81-33180-24	Corning LANscape Pretium 300 12-strand Multimode Fiber Cable with TBII Coating, MIC, Tight-Buffered Indoor Cable, 50µ/125, OM3 ISO/IEC Nomenclature, 850nm wavelength, 1000m maximum for 1GB, 300m maximum for 10GB, or equivalent
95-050-41	Corning UniCam Pretium SC Connector, 50µm with ceramic ferrule, or equivalent
WCH-02P	Corning Wall-Mountable Housing, accepts 2 panels (up to 24 fibers), or equivalent
PCH-04U	Corning Pretium Connector Housing, 4RU, accepts 12 panels, or equivalent
CCH-CP06-G7	Corning Adapter Panels with 3 SC Duplex Adapters with ceramic inserts for 50µm Multimode Fiber Cable, or equivalent
	1" PVC Innerduct with Pull Rope
	1 1/4" PVC Innerduct with Pull Rope

## ATTACHMENT 3

### PICTURES OF FINISHED WORK

