

BIDDING REQUIREMENTS for PURCHASING

NOTICE AND INFORMATION FOR BIDDERS

Attachment A: Bid Breakdown & Schedule

Bidder:

DASNY Contact:

Theresa Graffeo, Purchasing Coordinator
tgraffeo@dasny.org

Request for Information (RFI's):

RFI's due January 17, 2025. Submit in writing via email to tgraffeo@dasny.org. Responses will be posted to DASNY's website via addenda no later than January 21, 2025. It is the responsibility of the Bidder to obtain Addenda.

Services/Product Required By:

March 31, 2025

Description:

Furnish, Deliver, and Install Network Infrastructure Fiber Optic Upgrade

Bid Open Location:

DASNY, Corporate Headquarters
 515 Broadway, Albany, NY 12207

Bid Open Date and Time:

Thursday, January 31, 2025, at 2:30PM EST

Item No.	Manufacturer	Model/SKU	Description	Qty	UOM	Unit Price	Extended Price
1	Thomas & Betts	L-11-50-0-C	Natural Nylon Cable Tie - Pack of 100	34	EA	\$	\$
2	Arlington	EMT400	Conduit Bushing, EMT, Rigid/IMC, PVC, Insulating, Push-On, 4	20	EA	\$	\$
3	Bridgeport	249-DC	4 Inch Ball Burnished Zinc Die Cast EMT Set-Screw Coupling	20	EA	\$	\$
4	Chatsworth	10250-712	Ladder Rack: 12" W x 1.5" H x 10' L, Black	17	EA	\$	\$
5	Chatsworth	50120-703	7' 4 Post Rack	1	EA	\$	\$
6	Corning	012T88-33190-A3	12-strand OM4 armored plenum rated fiber	13700	EA	\$	\$
7	Corning	CCH-01U	1U rack mount fiber panel (Holds Two CCH Panels)	37	EA	\$	\$
8	Corning	CCH-02U	2U rack mount fiber panel (Holds Four CCH Panels)	4	EA	\$	\$
9	Corning	CCH-03U	CLOSET CONN HOUSING, 3U (F/6 Panels)	1	EA	\$	\$

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10	Corning	CCH-04U	4U rack mount fiber panel (Holds Twelve CCH Panels)	2	EA	\$	\$
11	Corning	CCH-CS12-E4-P00QE	Closet Connector Housing, Pigtail Cassette, LC, 12, Multimode	80	EA	\$	\$
12	Corning	WCH-02P	Wall Mountable Connector Housing (WCH), 2 CCH Connector Pane	3	EA	\$	\$
13	Eaton	497 6	Conduit Steel Hole Strap, 2 Inch	65	EA	\$	\$
14	Eaton	9 B	4" EMT maywest straps	20	EA	\$	\$
15	Eaton	EMT200	Conduit Bushing 2" Poly Pushon	70	EA	\$	\$
16	Eaton	SRWO8U22	Wall Mount 2-Post Open Frame Rack Cabinet 8U Black - Steel	1	EA	\$	\$
17	Erico	CAT32HP4 Z34	2" J-hook with multi-function clip	696	EA	\$	\$
18	Generic	2-22-1/2D-EMT-ELL	22.5 Degrees Conduit	70	EA	\$	\$
19	Generic	2-45D-EMT-ELL	2" 45 Degrees Conduit	70	EA	\$	\$
20	Generic	2-EMT	2" EMT Conduit	200	EA	\$	\$
21	Graybar	4-EMT	Electroplated Steel EMT Conduit, 4 in., per ft.	70	EA	\$	\$
22	Hubbell	HCL6W07	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White	1304	EA	\$	\$
23	Hubbell	HJU6AB	Cat6A Jack, blue	326	EA	\$	\$
24	Hubbell	HJU6ABK	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG	652	EA	\$	\$
25	Hubbell	HJU6AW	Cat6A Jack, white	326	EA	\$	\$
26	Hubbell	HPJ1289	12-port flat modular patch panel, black	3	EA	\$	\$
27	Hubbell	HSB2W	2-port surface mount box	326	EA	\$	\$
28	Hubbell	UDX48E1U	Multimedia Panel, XCELERATOR, Unloaded, 48-Port, 1-Unit	44	EA	\$	\$
29	L.H. Dottie	DEA38	3/8in. double expansion anchor	696	EA	\$	\$
30	L.H. Dottie	K6CO	Anchor kit	11	EA	\$	\$

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31	Mohawk	M59145RB	Cat6A U/UTP reduced diameter plenum cable, white (per ft)	110000	EA	\$	\$
32	Panduit	CF10IW-X	LD10 Coupler Fitting	660	EA	\$	\$
33	Panduit	DCF10IW-X	LD10 Drop Ceiling Entrance Fitting	329	EA	\$	\$
34	Panduit	LD10IW10-A	LD10 surface raceway (per/ft)	3000	EA	\$	\$
35	STI	SSP28	Fire stop tube	24	EA	\$	\$
36	Thomas & Betts	R 638	3/8in. Threaded Rod (6ft. Section)	135	EA	\$	\$
37	Velcro	189645	Velcro 25yd, black	23	EA	\$	\$
38	StarTech	N6PATCH10BL10PK	10' CAT6 Ethernet Cable, 10 pack, blue cord, snagless, ETL	160	EA	\$	\$
39	StarTech	N6PATCH7BL10PK	7' CAT 6 Ethernet Cable, 10 pack, blue cord, snagless, ETL	160	EA	\$	\$
40	StarTech	N6PATCH12BL	CAT6 Ethernet Cable, 12' Blue 650 MHz CAT 6 Snagless Patch Cord	350	EA	\$	\$
41	Leviton	43115-75	Velcro Bulk Roll Cable Fastener - cable wrap	5	EA	\$	\$
42	Vendor	Inside Delivery			LS	\$	\$
43	Vendor	Freight			LS	\$	\$
44	Vendor	Installation			LS	\$	\$
45	Vendor	Bonds			LS	\$	\$

**Note: If a model is discontinued by the manufacturer prior to delivery of the product, DASNY reserves the right to accept a replacement model from the manufacturer subject to meeting all general requirements and detailed product specifications.*

If bidding or proposing commodities other than those specified, the bidder must, in every instance, give all information required in Section 2.0 (B) of the Notice and Information for Bidders. Products will only be considered if proof of comparability is provided to DASNY in writing. A determination that a commodity or product is an "or equal" will be determined by DASNY in its sole and absolute discretion and any such determination will be final.

**INSTALLATION LABOR (if required)
LABOR TO INSTALL _____**

Estimated No. of Hours _____
Hourly Rate (Prevailing Wage rates are required for this work) _____

Total Materials/Equipment/Commodities: _____

Total Installation: _____

TOTAL BID _____

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(The below questions 1) and 2) need only be answered if the above total bid is for one million dollars or more)

- 1. Does your firm anticipate the use of subcontractors and outside suppliers specific to this procurement
Yes No
- 2. Does your firm anticipate the creation of employment opportunities arising from this procurement?
Yes No

(The below information must be completed for all bids.)

Identify all subcontractors, if any: _____

STATE, PROVINCE FOR FOREIGN COUNTRY
THAT YOUR FIRM'S PRINCIPAL PLACE OF
BUSINESS IS LOCATED:

_____ BIDDER (FIRM NAME)

ADDRESS OF FACTORY OR PLANT WHERE
ITEMS ARE MANUFACTURED AND/OR
ASSEMBLED. *(Attach additional sheet(s) if more
than one manufacturer)*

_____ SIGNATURE

_____ NAME (TYPE/PRINTED)

_____ TITLE

_____ Date

_____ Email address

_____ DOL REGISTRATION NO.

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Attachment B: Detailed Specifications

FIBER UPGRADE MATERIAL BY INFRASTRUCTURE

Product Associated with Namm Hall for Fiber Upgrade

Qty	Part Number	Manuf.	Description
6000	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
32	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
16	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
1	CCH-02U	Corning	2U rack mount fiber panel (Holds Four CCH Panels)
1	CCH-04U	Corning	4U rack mount fiber panel (Holds Twelve CCH Panels)
1	50120-703	Chatsworth	7' 4 Post Rack
2	10250-712	Chatsworth	Ladder Rack: 12" W x 1.5" H x 10' L, Black
60	2-EMT	Conduit	2" EMT Conduit
25	2-22-1/2D-EMT-ELL	Conduit	22.5 Degrees
25	2-45D-EMT-ELL	Conduit	2" 45 Degrees
25	EMT200	Eaton	CONDUIT BUSHING 2" POLY PUSHON
20	497 6	Eaton	Conduit Steel Hole Strap, 2 Inch
20	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
20	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Library Building for Fiber Upgrade

Qty	Part Number	Manuf.	Description
2000	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
12	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
4	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
2	WCH-02P	Corning	Wall Mountable Connector Housing (WCH), 2 CCH Connector Pane
1	CCH-03U	Corning	CLOSET CONN HOUSING, 3U (F/6 PANELS)
2	10250-712	Chatsworth	Ladder Rack: 12" W x 1.5" H x 10' L, Black
100	2-EMT	Conduit	2" EMT Conduit
35	2-22-1/2D-EMT-ELL	Conduit	22.5 Degrees
35	2-45D-EMT-ELL	Conduit	2" 45 Degrees
35	EMT200	Eaton	CONDUIT BUSHING 2" POLY PUSHON
35	497 6	Eaton	Conduit Steel Hole Strap, 2 Inch
20	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
20	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with General Building for Fiber Upgrade

Qty	Part Number	Manuf.	Description
1000	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
8	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
4	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
1	CCH-02U	Corning	2U rack mount fiber panel (Holds Four CCH Panels)
2	10250-712	Chatsworth	Ladder Rack: 12" W x 1.5" H x 10' L, Black
20	2-EMT	Conduit	2" EMT Conduit
5	2-22-1/2D-EMT-ELL	Conduit	22.5 Degrees
5	2-45D-EMT-ELL	Conduit	2" 45 Degrees
5	EMT200	Eaton	CONDUIT BUSHING 2" POLY PUSHON
5	497 6	Eaton	Conduit Steel Hole Strap, 2 Inch
20	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
20	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Pearl Building for Fiber Upgrade

Qty	Part Number	Manuf.	Description
500	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
4	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
2	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
1	CCH-02U	Corning	2U rack mount fiber panel (Holds Four CCH Panels)
20	2-EMT	Conduit	2" EMT Conduit
5	2-22-1/2D-EMT-ELL	Conduit	22.5 Degrees
5	2-45D-EMT-ELL	Conduit	2" 45 Degrees
5	EMT200	Eaton	CONDUIT BUSHING 2" POLY PUSHON
5	497 6	Eaton	Conduit Steel Hole Strap, 2 Inch
20	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
20	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Voorhees Hall for Fiber Upgrade

Qty	Part Number	Manuf.	Description
4000	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
22	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
10	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
1	WCH-02P	Corning	Wall Mountable Connector Housing (WCH), 2 CCH Connector Pane
1	CCH-04U	Corning	4U rack mount fiber panel (Holds Twelve CCH Panels)
11	10250-712	Chatsworth	Ladder Rack: 12" W x 1.5" H x 10' L, Black
70	4-EMT	Graybar	Electroplated Steel EMT Conduit, 4 in., per ft.
20	249-DC	Bridgeport	4 Inch Ball Burnished Zinc Die Cast EMT Set-Screw Coupling
20	EMT400	Arlington	Conduit Bushing, EMT, Rigid/IMC, PVC, Insulating, Push-On, 4
20	9 B	Eaton	4" EMT maywest straps
1	SRWO8U2 2	Eaton	Wall Mount 2-Post Open Frame Rack Cabinet 8U Black - Steel
30	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
10	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
30	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Environmental Center for Fiber Upgrade

Qty	Part Number	Manuf.	Description
200	012T88-33190-A3	Corning	12-strand OM4 armored plenum rated fiber
2	CCH-CS12- E4-P00QE	Corning	Closet Connector Housing Pigtail Cassette, LC, 12, Multimode
1	CCH-01U	Corning	1U rack mount fiber panel (Holds Two CCH Panels)
1	CCH-02U	Corning	2U rack mount fiber panel (Holds Four CCH Panels)
20	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
20	DEA38	L. H. Dottie	3/8in. double expansion anchor
3	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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WIRELESS ACCESS POINTS CABLING UPGRADE MATERIAL BY INFRASTRUCTURE

Product Associated with Namm Hall for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
54000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
148	HJU6AW	Hubbell	Cat6A Jack, white
148	HJU6AB	Hubbell	Cat6A jack, blue
148	HSB2W	Hubbell	2-port surface mount box
2	K6CO	L.H.Dottie	Anchor kit
1100	LD10IW10-A	Panduit	LD10 surface raceway (per/ft)
148	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
300	CF10IW-X	Panduit	LD10 Coupler Fitting
592	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White
17	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
296	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
210	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
20	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
210	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0-C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Library Building for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
12000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
38	HJU6AW	Hubbell	Cat6A Jack, white
38	HJU6AB	Hubbell	Cat6A jack, blue
38	HSB2W	Hubbell	2-port surface mount box
2	K6CO	L.H.Dottie	Anchor kit
300	LD10IW10- A	Panduit	LD10 surface raceway (per/ft)
38	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
80	CF10IW-X	Panduit	LD10 Coupler Fitting
152	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White
4	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
2	HPJ1289	Hubbell	12-port flat modular patch panel, black
76	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
72	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
15	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
72	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0- C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with General Building for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
7000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
27	HJU6AW	Hubbell	Cat6A Jack, white
27	HJU6AB	Hubbell	Cat6A jack, blue
27	HSB2W	Hubbell	2-port surface mount box
2	K6CO	L.H.Dottie	Anchor kit
300	LD10IW10- A	Panduit	LD10 surface raceway (per/ft)
27	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
60	CF10IW-X	Panduit	LD10 Coupler Fitting
108	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter28 AWG, White
6	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
54	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
72	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
15	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
72	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0- C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Pearl Building for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
10000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
24	HJU6AW	Hubbell	Cat6A Jack, white
24	HJU6AB	Hubbell	Cat6A jack, blue
24	HSB2W	Hubbell	2-port surface mount box
2	K6CO	L.H.Dottie	Anchor kit
300	LD10IW10- A	Panduit	LD10 surface raceway (per/ft)
27	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
60	CF10IW-X	Panduit	LD10 Coupler Fitting
96	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White
4	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
48	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
72	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
15	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
72	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0- C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Voorhees Hall for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
26000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
84	HJU6AW	Hubbell	Cat6A Jack, white
84	HJU6AB	Hubbell	Cat6A jack, blue
84	HSB2W	Hubbell	2-port surface mount box
2	K6CO	L.H.Dottie	Anchor kit
900	LD10IW10- A	Panduit	LD10 surface raceway (per/ft)
84	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
150	CF10IW-X	Panduit	LD10 Coupler Fitting
336	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White
12	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
168	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
110	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
30	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
110	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
2	189645	Velcro	Velcro 25yd, black
3	L-11-50-0- C	ABB	Natural Nylon Cable Tie - Pack of 100

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Product Associated with Environmental Center for WAP Cabling Upgrade

Qty	Part Number	Manuf.	Description
1000	M59145RB	Mohawk	Cat6A U/UTP reduced diameter plenum cable, white (per ft)
5	HJU6AW	Hubbell	Cat6A Jack, white
5	HJU6AB	Hubbell	Cat6A jack, blue
5	HSB2W	Hubbell	2-port surface mount box
1	K6CO	L.H.Dottie	Anchor kit
100	LD10IW10- A	Panduit	LD10 surface raceway (per/ft)
5	DCF10IW-X	Panduit	LD10 Drop Ceiling Entrance Fitting
10	CF10IW-X	Panduit	LD10 Coupler Fitting
20	HCL6W07	Hubbell	Patch Cord, NEXTSPEED, Category 6, Low Diameter 28 AWG, White
1	UDX48E1U	Hubbell	Multimedia Panel, XCELERATOR, Unloaded, 48- Port, 1-Unit
1	HPJ1289	Hubbell	12-port flat modular patch panel, black
10	HJU6ABK	Hubbell	NEXTSPEED®, Cat 6A UTP Modular Jack, 1000V ac, 24 to 22 AWG,
30	CAT32HP4 Z34	Erico	2" J-hook with multi-function clip
5	R 638	Thomas & Betts	3/8in. Threaded Rod (6ft. section)
30	DEA38	L. H. Dottie	3/8in. double expansion anchor
1	SSP28	STI	Fire stop tube
1	189645	Velcro	Velcro 25yd, black
1	L-11-50-0- C	ABB	Natural Nylon Cable Tie - Pack of 100

Attachment C: Scope of Work and Site Logistics

Statement of Work (SOW): Network Infrastructure Fiber Optic Upgrade at NYCCT

Project Overview:

New York City College of Technology (CityTech) currently relies on aging multimode fiber cabling, which no longer meets modern telecom standards and is insufficient for supporting future growth. To modernize the network infrastructure and future-proof the college's communications system, a comprehensive upgrade is required. The upgrade will involve replacing the existing multimode fiber cabling with 12-strand OM4 multimode fiber cabling between the Main Distribution Frame (MDF) and all Intermediate Distribution Frames (IDFs) throughout the campus. This modernization will enable higher bandwidth, improved performance, and the ability to support emerging technologies and future growth.

Additionally, the project will include the installation of rack-mounted fiber panels, both 1U for each location and 2U rack-mounted fiber panels for closet connector housing.

Scope of Work:

1. Fiber Optic Cable Replacement and Installation

○ **Inter-Building Fiber:**

- Install indoor/outdoor OS2 single-mode fiber optic cables between buildings to ensure network reliability, redundancy, and sufficient capacity.
- Depending on building size, strand counts will range from 12 to 48 fibers per building to meet current and future communication needs.
- All fiber optic cables will be fusion spliced using cassettes in accordance with BICSI standards.
- Perform OTDR (Optical Time Domain Reflectometer) testing on all installed fiber cables to verify performance and quality.
- Provide detailed documentation of the fiber installations, including test results and certifications.

○ **Intra-Building Fiber:**

- Replace existing multimode fiber with new OM4 multimode fiber cabling, armored and plenum-rated, with a 12-strand configuration, for use within the buildings.
- Ensure all new cabling meets the required industry standards for performance and safety.

2. Fiber Panel Installations:

- Install 1U rack-mount fiber panels at each location where fiber is terminated. These will be used to manage and organize the fiber connections within each MDF and IDF.
- Install 2U rack-mount fiber panels in closet connector housing to ensure proper cable management and future scalability.

3. WAP Installation (Cisco Model 9166B):

- For each WAP, the vendor will plan for the installation of two new Cat6A cables (plenum-rated), with a unique color identified for each campus to maintain cable organization.
- Each cable will be terminated in a dual Cat6A surface box and patched with reduced-diameter patch cables (plenum-rated when above ceilings).

BIDDING REQUIREMENTS for PURCHASING

NOTICE AND INFORMATION FOR BIDDERS

- New patch panels will be installed on each floor receiving WAPs. These will be 1U, unloaded patch panels, with Cat6A jacks populated as needed for each new cable.
 - WAP enclosures will be recommended on a per-WAP basis, depending on campus or CUNY-specific security requirements.
4. **Security and Installation:**
- The vendor will install each WAP, security enclosure (if applicable), and required patch cords at both ends of the cable runs.
 - All installations will be tested and documented, with results uploaded to a file share accessible by CUNY for review.
5. **Testing and Documentation:**
- Perform comprehensive testing of all fiber optic cables, including OTDR testing, to ensure quality installation and network performance.
 - Document all test results and provide a report, including any necessary corrective actions.
 - Maintain detailed records of fiber strand count, installation locations, and associated equipment for future reference and support.
6. **Continuous Project Execution:**
- Unless otherwise specified, the entire project will be carried out in a continuous, uninterrupted manner to ensure timely completion.
7. **Installation Quality:**
- All equipment and apparatus covered by this contract will be installed in a neat and workmanlike manner, following best industry practices.
 - Wires will be run in the most economical and efficient way to minimize disruption and ensure long-term network performance.
 - Where the project may rely on equipment provided by the customer, any necessary changes or delays related to customer-supplied equipment will be addressed in accordance with the project schedule and agreement.
 - Identify conduit/cable pathways in conjunction with the College and install if needed.
 - Install 110VAC power outlets where additional outlets are required.

Site Logistics:

- Delivery Address: NYCCT - New Academic Building, 300 Jay Street, Brooklyn NY 11201. Project is Campus-wide; multiple buildings; multiple floors.
- Both stairs and elevators are available to use.
- Loading dock is available, there could be some restrictions as to times so College will facilitate needs. The loading dock is off the corner of Jay Street on Johnson Street/Tech Place.
- Work can be performed Monday through Friday 8:00-6:00pm during days College is open. Some exceptions can be made with- prior discussions.