SYSTEC101
418 Broadway STE N, Albany, NY 12207
info@systec101.com
303-537-7575

SYSTEC101

Bid No 24-069 Town of Wallingford - Fiber Cable Replacement

Base Proposal

Date: 01/10/2025

SYSTEC101 will be providing the following:

Please note that based on County's RFB, SYSTEC101 will replace, repair and add data drops at 4 Schools under Town of Wallingford.

Site address : Town of Wallingford, CT (Includes 4 Elementary Schools)

BASE BID

School Name	Each School Total
Moses Y Beach Elementary School	$ 7,406.96
Parker Farms Elementary School	$ 3,967.74
E.C Stevens Elementary School	$ 8,248.02
Highland Elementary School	$ 4,808.80
Highland Elementary School (Data drops)	$ 1,961.44
Parker Farms Elementary School (Data drops)	$ 1,168.00

	Grand Total	$	27,560.95

Scope of Work

Systec101, LLC will replace and add few data drops at (4) schools as mentioned below.

School Name	Site Address
Moses Y Beach Elementary School	340 N Main StWallingford, CT 06492, USA
Parker Farms Elementary School	30 Parker Farms RdWallingford, CT 06492, USA
E.C Stevens Elementary School	18 Kondracki LnWallingford, CT 06492, USA
Highland Elementary School	200 Highland AveWallingford, CT 06492, USA

Moses Y Beach Elementary School

1. SYSTEC101 will replace (8) flush mount data drops with pedestal mount data drops.
2. We will furnish and install pedestal mounts.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.
6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Parker Farms Elementary School

1. SYSTEC101 will replace (4) flush mount data drops with pedestal mount data drops.
2. We will furnish and install pedestal mounts.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.
6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

E.C Stevens Elementary School

1. SYSTEC101 will replace (9) flush mount data drops with pedestal mount data drops.
2. We will furnish and install pedestal mounts.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.
6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Highland Elementary School

1. SYSTEC101 will replace (5) flush mount data drops with pedestal mount data drops.
2. We will furnish and install pedestal mounts.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.
6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Highland Elementary School (Data Drops)

1. SYSTEC101 will replace (3) wall mount data drops behind teacher's desk.
2. We will furnish and install standard data outlets.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.
6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Parker Farms Elementary School (Data Drops)

1. SYSTEC101 will replace (2) wall mount data drops behind teacher's desk.
2. We will furnish and install standard data outlets.
3. We will furnish and install each outlet with 2 Cat6 cables. We will terminate and test the cables.
4. We will furnish and install each cable with 2 Cat6 patch cords.
5. We will install new pull strings along the existing pathway.

6. We will install cables using only the existing pathway, if they are not in usable condition a separate change order will be presented.
7. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Common:

1. SYSTEC101 will install, terminate, test and label all the cables provided above.
2. All labeling will be machine printed.
3. All the penetrations made for the installation of telecommunication cables will be firestopped using putty and sealant.
4. All terminations and testing will be done as per TIA/EIA/BICSI standards.
5. We will provide the Owner with closeouts (test results and as-builts) at the end of the project.

Scope of work by others:

1. All 110 VAC, conduit, coring, stub-ups, single device cover, junction boxes, and structural reinforcement.
2. Adequate on-site storage will be provided.
3. Furnishing and installation of network equipment (switches, SFPs, uplink patch cords and servers) and ISP link (firewall, routers and demarc extension).
4. Furnishing and installation of HVAC and electrical systems in the IDF/MDF Room.
5. Furnishing and installation of Empty conduits and stub up conduits.

Qualifications:

1. **Due to extreme price fluctuations, we can only hold the material pricing for 60 days. Any material price hikes after 60 days will be borne by the client.**
2. All work is to be performed during regular working hours, unless otherwise noted.
3. If required, stub ups, conduit and coring are to be provided by customer.
4. Pricing does not include any surface raceways, wiremold, power poles, UPS and PDUs or any scope of work related to security, networking equipments.
5. SYSTEC101 must have proper access to all areas necessary to complete the project in a timely fashion.
6. No demo, cutover, ISP link, network equipment and its related accessories (SFPs, aggregators, and uplink patch cords) is included in this proposal.
7. Based on General - Panduit (Mini-com) cabling solution.
8. Any additional labor or material required beyond the scope of this proposal will be done on a change order, signed by a customer representative.
9. Furnishing and installation of cables for the TV system, WAP system, and video surveillance system, exclusively at the facility, along with Transportation.
10. Pricing does not include any cable tray or its related products.
11. Conduits should be made ready prior to cabling installation.
12. No copper backbone cabling is included in this proposal.
13. Uplinking the entire network using active electronics by others. We will only provide empty network infrastructure, powering the network using network equipment and routers, and connecting them to ISP link is responsible by owner or ISP.
14. **All pathways and sleeves to be existing.**
15. **All MDF/IDF racks to be existing.**
16. **All other Network Equipment and SFP Transceivers to be owner furnished and owner installed.**

Moses Y Beach
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	4000	$ 0.30	$ -	$ 0.30	$ 1,200.00
NK688MWH	Cat6 White Jack	16	$ 8.40	$ -	$ 8.40	$ 134.40
NKFP24Y	24-port modular patch panel	1	$ 62.40	$ -	$ 62.40	$ 62.40
NK2106MFIW	2-port Decora plate	8	$ 2.40	$ -	$ 2.40	$ 19.20
SS309DS	LO-CON Series, Plate, StyleLine/ Decora/GFCI, Stainless Steel	8	$ 40.80	$ -	$ 40.80	$ 326.40
FR480GYA	4 Gang Pedestal Housing Gray Painted	8	$ 288.00	$ -	$ 288.00	$ 2,304.00
SS2309BGYA	Pedestal Cover Plate	8	$ 18.82	$ -	$ 18.82	$ 150.53
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	16	$ 3.72	$ -	$ 3.72	$ 59.52
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	16	$ 8.40	$ -	$ 8.40	$ 134.40
Part Number	**Supporting Materials**	**Quantity**	**Material Price**	**Labor Cost**	**Unit Price**	**Ext.Price**
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	1	$ 60.00	$ -	$ 60.00	$ 60.00
N/A	Miscellaneous cost	1	$ 300.00	$ -	$ 300.00	$ 300.00
Part Number	**Labor**	**Quantity**	**Material Price**	**Labor Cost**	**Unit Price**	**Ext.Price**
N/A	Labor for completing the stated Scope of Work	32	$ -	$ 75.00	$ 75.00	$ 2,400.00
N/A	Project Management and Handling Charges	2	$ -	$ 75.00	$ 75.00	$ 150.00

Total: Equipment		$ 4,856.96
Total: Labor		$ 2,550.00

Grand Total	**$ 7,406.96**

Parker Farms
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	2000	$ 0.30	$ -	$ 0.30	$ 600.00
NK688MWH	Cat6 White Jack	8	$ 8.40	$ -	$ 8.40	$ 67.20
NKFP24Y	24-port modular patch panel	1	$ 62.40	$ -	$ 62.40	$ 62.40
NK2106MFIW	2-port Decora plate	4	$ 2.40	$ -	$ 2.40	$ 9.60
SS309DS	LO-CON Series, Plate, StyleLine/ Decora/GFCI, Stainless Steel	4	$ 40.80	$ -	$ 40.80	$ 163.20
FR480GYA	4 Gang Pedestal Housing Gray Painted	4	$ 288.00	$ -	$ 288.00	$ 1,152.00
SS2309BGYA	Pedestal Cover Plate	4	$ 18.82	$ -	$ 18.82	$ 75.26
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	8	$ 3.72	$ -	$ 3.72	$ 29.76
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	8	$ 8.40	$ -	$ 8.40	$ 67.20
Part Number	**Supporting Materials**	**Quantity**	**Material Price**	**Labor Cost**	**Unit Price**	**Ext.Price**
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	1	$ 60.00	$ -	$ 60.00	$ 60.00
N/A	Miscellaneous cost	1	$ 300.00	$ -	$ 300.00	$ 300.00
Part Number	**Labor**	**Quantity**	**Material Price**	**Labor Cost**	**Unit Price**	**Ext.Price**
N/A	Labor for completing the stated Scope of Work	16	$ -	$ 75.00	$ 75.00	$ 1,200.00
N/A	Project Management and Handling Charges	1	$ -	$ 75.00	$ 75.00	$ 75.00

Total: Equipment		$ 2,692.74
Total: Labor		$ 1,275.00

Grand Total	**$ 3,967.74**

E.C Stevens
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	4500	$ 0.30	$ -	$ 0.30	$ 1,350.00
NK688MWH	Cat6 White Jack	18	$ 8.40	$ -	$ 8.40	$ 151.20
NKFP24Y	24-port modular patch panel	1	$ 62.40	$ -	$ 62.40	$ 62.40
NK2106MFIW	2-port Decora plate	9	$ 2.40	$ -	$ 2.40	$ 21.60
SS309DS	LO-CON Series, Plate, StyleLine/ Decora/GFCI, Stainless Steel	9	$ 40.80	$ -	$ 40.80	$ 367.20
FR480GYA	4 Gang Pedestal Housing Gray Painted	9	$ 288.00	$ -	$ 288.00	$ 2,592.00
SS2309BGYA	Pedestal Cover Plate	9	$ 18.82	$ -	$ 18.82	$ 169.34
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	18	$ 3.72	$ -	$ 3.72	$ 66.96
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	18	$ 8.40	$ -	$ 8.40	$ 151.20
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	1	$ 60.00	$ -	$ 60.00	$ 60.00
N/A	Miscellaneous cost	1	$ 300.00	$ -	$ 300.00	$ 300.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	36	$ -	$ 75.00	$ 75.00	$ 2,700.00
N/A	Project Management and Handeling Charges	2	$ -	$ 75.00	$ 75.00	$ 150.00

Total: Equipment	$ 5,398.02
Total: Labor	$ 2,850.00

	$ 8,248.02

Highland School
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	2500	$ 0.30	$ -	$ 0.30	$ 750.00
NK688MWH	Cat6 White Jack	10	$ 8.40	$ -	$ 8.40	$ 84.00
NKFP24Y	24-port modular patch panel	1	$ 62.40	$ -	$ 62.40	$ 62.40
NK2106MFIW	2-port Decora plate	5	$ 2.40	$ -	$ 2.40	$ 12.00
SS309DS	LO-CON Series, Plate, StyleLine/ Decora/GFCI, Stainless Steel	5	$ 40.80	$ -	$ 40.80	$ 204.00
FR480GYA	4 Gang Pedestal Housing Gray Painted	5	$ 288.00	$ -	$ 288.00	$ 1,440.00
SS2309BGYA	Pedestal Cover Plate	5	$ 18.82	$ -	$ 18.82	$ 94.08
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	10	$ 3.72	$ -	$ 3.72	$ 37.20
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	10	$ 8.40	$ -	$ 8.40	$ 84.00
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	1	$ 60.00	$ -	$ 60.00	$ 60.00
N/A	Miscellaneous cost	1	$ 300.00	$ -	$ 300.00	$ 300.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	20	$ -	$ 75.00	$ 75.00	$ 1,500.00
N/A	Project Management and Handling Charges	1	$ -	$ 75.00	$ 75.00	$ 75.00

Total: Equipment	$ 3,233.80
Total: Labor	$ 1,575.00

	$ 4,808.80

Highland Elementary (Data Drops)
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	1500	$ 0.30	$ -	$ 0.30	$ 450.00
NK688MWH	Cat6 White Jack	6	$ 8.40	$ -	$ 8.40	$ 50.40
NKFP24Y	24-port modular patch panel	0	$ 62.40	$ -	$ 62.40	$ -
NK2FNWH	2-Port Faceplate	3	$ 2.40	$ -	$ 2.40	$ 7.20
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	6	$ 3.72	$ -	$ 3.72	$ 22.32
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	6	$ 8.40	$ -	$ 8.40	$ 50.40
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	0	$ 60.00	$ -	$ 60.00	$ -
N/A	Miscellaneous cost	0	$ 250.00	$ -	$ 250.00	$ -
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	16	$ -	$ 75.00	$ 75.00	$ 1,200.00
N/A	Project Management and Handeling Charges	1	$ -	$ 75.00	$ 75.00	$ 75.00

Total: Equipment	$ 686.44
Total: Labor	$ 1,275.00

	$ 1,961.44

Parker Farms School (Data Drops)
Equipment and Labor

Part Number	Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price

Part Number		Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
U6500-004-PWH2	Cat 6 U/UTP 4-pair plenum cable, CMP (white) (Per ft)	1000	$ 0.30	$ -	$ 0.30	$ 300.00
NK688MWH	Cat6 White Jack	4	$ 8.40	$ -	$ 8.40	$ 33.60
NKFP24Y	24-port modular patch panel	0	$ 62.40	$ -	$ 62.40	$ -
NK2FNWH	2-Port Faceplate	2	$ 2.40	$ -	$ 2.40	$ 4.80
PC6B07-TBD	7 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	4	$ 3.72	$ -	$ 3.72	$ 14.88
PC6B10-TBD	10 FT Cat6 Ethernet Patch Cable - Snagless RJ45 (Color TBD)	4	$ 8.40	$ -	$ 8.40	$ 33.60
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SSP100	Firestop putty	1	$ 37.12	$ -	$ 37.12	$ 37.12
1700-1PK-BB40	3M Electric tapes	1	$ 3.58	$ -	$ 3.58	$ 3.58
30987	3/4" Velcro (75ft)	1	$ 32.88	$ -	$ 32.88	$ 32.88
PLT3I-C	Panduit Tie wraps (100/bag)	1	$ 32.54	$ -	$ 32.54	$ 32.54
N/A	Labeling kits	0	$ 60.00	$ -	$ 60.00	$ -
N/A	Miscellaneous cost	0	$ 250.00	$ -	$ 250.00	$ -
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	8	$ -	$ 75.00	$ 75.00	$ 600.00
N/A	Project Management and Handeling Charges	1	$ -	$ 75.00	$ 75.00	$ 75.00

Total: Equipment	$ 493.00

Total: Labor	$ 675.00

	$ 1,168.00