

**We are SYSTEC101**

**Date: 04/24/2024**

**SYSTEC101 will be providing the following:**

**Please note that based on client's request, SYSTEC101 will furnish and install a Structured cabling**

**Site Address: 203 Perry St, Castle Rock, CO 80104**

**Scope of Work**

**Structured Cabling :**

1. SYSTEC101 will Furnish and Install a total of (36) Cat 6 Cables with jacks and faceplates or surface mount boxes including hardware terminated at the nearest IDF/MDF as per plan.
2. We will furnish and install a total of (12) Cat 6 cables to (6) dual data outlets including hardware terminated at the nearest IDF/MDF as per plan.
3. We will furnish and install a total of (4) Cat 6 cables to (4) wall mounted access points including hardware terminated at the nearest IDF/MDF as per plan.
4. We will furnish and install a total of (20) Cat 6 cables to (10) combination (data/voice) outlets including hardware terminated at the nearest IDF/MDF as per plan.
5. We will furnish and Install a total of (4) 1 port surface mount boxes as per plan.
6. We will furnish and Install a total of (16) 2 port faceplates as per plan.
7. Empty modules on the faceplate will be covered using blanks.
8. J-Hooks will be installed as required to support traversal of the cable bundle.
9. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

**IDF/MDF Buildout:**

1. We will furnish and install (1) 19U hinged enclosure open cabinet.
2. We will furnish and install (1) 48-port unloaded patch panel.
3. We will furnish and install (1) ICC 2U horizontal wire manager.
4. We will furnish and install (1) chatsworth 12" W ladder rack.
5. We will furnish and install (1) chatsworth 12" w radius drop.
6. We will furnish and install (3) chatsworth 12" w wall angle kits.
7. We will furnish and install (1) chatsworth junction splice kit.
8. We will furnish and install (3) chatsworth end caps.
9. All patch panels will be provided with a strain relief bar.
10. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

**Grounding:**

1. All IT equipment and rack will be bonded with the grounding busbar provided in the MDF/IDF room. Grounding busbar and backbone cabling for the IT room will be provided by the electrical contractor or others.

**Common:**

1. SYSTEC101 will install, terminate, test and label (36) Cat 6 cables.
2. All labeling will be machine printed.
3. All the penetrations made for the installation of telecommunication cables will be firestopped.
4. All terminations and testing will be done as per TIA/EIA/BICSI standards.
5. We will provide providence school 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 fire rated plywood and telecom busbars in the MDF/IDFs.
4. Furnishing and installation of network equipment (switches, SFPs, uplink patch cords and servers) and ISP link (firewall, routers and demarc extension).
5. Furnishing and installation of HVAC and electrical systems in the MDF/IDF room.
6. Furnishing and installation of grounding backbone in the MDF/IDF room.

**Qualifications:**

1. Due to extreme price fluctuations, we can only hold the material pricing for 90 days. Any material price hikes after 90 days will be borne by the client.
2. All work is to be performed during regular working hours, unless otherwise noted. This proposal does not include prevailing wage rates.
3. All work to be performed in an environment free from hazardous and/or regulated materials (e.g. asbestos).
4. We will only install cables for WAP. The equipment should be provided by the customer/contractor.
5. Patching and painting, except for repairs due to breakage, are not included.
6. Replacement of permanently installed ceiling tile (if concealed spline) is not included.
7. Removal of debris from premises (haulage) is not included.
8. Fire stopping, unless otherwise noted, is not included.
9. Hoisting charges are not included.
10. If required, stub ups, conduit and coring are to be provided by customer.
11. Pricing does not include any surface raceways, wiremold, power poles, UPS or any scope of work related to security, networking equipments.
12. Unless otherwise noted herein, entire project to be performed in a continuous, uninterrupted manner.
13. Where installation by SYSTEC101 is required under the terms of this contract, the apparatus and equipment covered by this contract shall be installed in a neat and workman like manner, wires shall be run in the most economical way.
14. SYSTEC101 retains the right to make equivalent equipment substitutions based on availability and engineering considerations. Any substitutions will be subject to customer approval before substitution.
15. SYSTEC101 must have proper access to all areas necessary to complete the project in a timely fashion.
16. No demo, cutover, ISP cabling and backbone cabling is included in this proposal.
17. Any additional labor or material required beyond the scope of this proposal will be done on a change order, signed by a customer representative.
18. Pricing does not include any manlifts. It will be charged separately as needed.
19. Pricing does not include any cable tray or its related products.
20. Conduits should be made ready prior to cabling installation.
21. 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.
22. Innerducts are provided by general contractor or others.

**Warranty:**

1. SYSTEC101 warrants that it has satisfactorily performed the installation work comprising the Project and agrees to repair without additional cost to the Customer any malfunctions or defects of the Project arising from its installation services or its customization or modification of purchased equipment, if the Project involved such customization or modification. This warranty shall expire one year after the completion of the Project. SYSTEC101 is not responsible for and does not warrant the satisfactory performance of the equipment installed as part of the Project excepting for any customization and modification performed by SYSTEC101 and the Customer must look solely to any equipment manufacturer warranties in the event of equipment malfunctions or defects. If a malfunction or defect in the Project is determined to be equipment related, SYSTEC101 during its one year warrant period will reasonably assist Customer is obtaining any warranty coverage provided by equipment manufacturers.
2. Manufacturer's warranty for 25-years will be provided.

**Structured Cabling Hardware and Labor:**

Part Number	Horizontal Cabling	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
CMP-00423CS34-6U-06	Category 6 U/UTP Cable, plenum, Blue jacket (per ft)	6300	\$ 0.32	\$ -	\$ 0.32	\$ 2,041.20
IC1078F6WH	CAT6 HD Jack Insert White	72	\$ 5.40	\$ -	\$ 5.40	\$ 388.80
IC107SB1-WH	ICC 1-port surface mount box (White)	4	\$ 2.40	\$ -	\$ 2.40	\$ 9.60
IC107F02WH	ICC 2-port faceplate (White)	16	\$ 2.58	\$ -	\$ 2.58	\$ 41.28
Part Number	IDF/MDF Build out	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SWE2139-18BLK	Hinged Enclosure Open Cabinet 19U	1	\$ 210.00	\$ -	\$ 210.00	\$ 210.00
IC107BP482	48 Port Unloaded 2RU Patch Panel HD	1	\$ 26.40	\$ -	\$ 26.40	\$ 26.40
ICCMSCMA42	Horizontal Cable Manager Single-Sided 2U	1	\$ 62.40	\$ -	\$ 62.40	\$ 62.40
10250-712	Chatsworth 12" W ladder rack	1	\$ 157.49	\$ -	\$ 157.49	\$ 157.49
12100-712	Chatsworth 12" W Radius drop	1	\$ 47.68	\$ -	\$ 47.68	\$ 47.68
11421-712	Chatsworth 12" W wall angle kit	3	\$ 39.02	\$ -	\$ 39.02	\$ 117.07
11302-701	Chatsworth Junction splice kit	1	\$ 14.93	\$ -	\$ 14.93	\$ 14.93
10642-001	Chatsworth End Cap	3	\$ 11.22	\$ -	\$ 11.22	\$ 33.66
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Grounding Kit	1	\$ 300.00	\$ -	\$ 300.00	\$ 300.00
BCH32	B-Line 2" dia J-hook	50	\$ 4.93	\$ -	\$ 4.93	\$ 246.60
BCH64	B-Line 4" dia J-hook	20	\$ 9.58	\$ -	\$ 9.58	\$ 191.52
SSP100	Firestop putty	1	\$ 34.78	\$ -	\$ 34.78	\$ 34.78
SSP228	STI Firestop tube	3	\$ 21.83	\$ -	\$ 21.83	\$ 65.48
FS400	STI 4" fire stop sleeve kit	1	\$ 117.56	\$ -	\$ 117.56	\$ 117.56
CP606	Hilti Firestop Acrylic Sealant	1	\$ 27.00	\$ -	\$ 27.00	\$ 27.00
1700-3	3M Electric tapes	4	\$ 4.20	\$ -	\$ 4.20	\$ 16.80
30987	3/4" Velcro (75ft)	1	\$ 31.02	\$ -	\$ 31.02	\$ 31.02
PLT3I-C	Panduit Tie wraps (100/bag)	2	\$ 39.42	\$ -	\$ 39.42	\$ 78.84
N/A	Miscellaneous materials	1	\$ 360.00	\$ -	\$ 360.00	\$ 360.00
N/A	Labeling Kits	1	\$ 180.00	\$ -	\$ 180.00	\$ 180.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	64	\$ -	\$ 75.00	\$ 75.00	\$ 4,800.00
N/A	Project Management	4	\$ -	\$ 75.00	\$ 75.00	\$ 300.00

Total Equipment :	\$	4,800.11
Total Labor:	\$	5,100.00
Tax on Equipment:	7.90%	\$ 379.21
Grand Total:	\$	10,279.32

Purchase Authorization

Date