

We are SYSTEC101

Date: 07/02/2024

Base Proposal

SYSTEC101 will be providing the following:

Please note that based on client's request, SYSTEC101 will furnish and install a complete cabling for camera outlets in thirteen locations.

Site address : 200 Division St g70, Petoskey, MI 49770

Addendum	Acknowledgement
Addendum - 1	Not Available
Addendum - 2	Not Available
Addendum - 3	Not Available

Name of the System	Divisions	Price Break down
Camera Cabling	-	\$ 91,980.00
Alternate 1 (Demolition)	-	\$ 12,180.00

Grand Total:	\$ 104,160.00
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Camera Cabling Proposal

Scope of Work

1. SYSTEC101 will furnish and install a total of (140) Cat 6 plenum cables (blue) and (7) Cat 6 outdoor rated riser cables (black) to (147) outlets.

Emmet County (13 Locations):

1. We will furnish and install a total of (140) Cat 6 plenum cables (blue) from nearest IDF/MDF room to (140) interior camera outlets.
2. We will furnish and install a total of (7) Cat 6 outdoor rated riser cables (blue) from nearest IDF/MDF room to (7) exterior camera outlets.

Common:

1. Each interior camera outlet gets (1) Cat 6 jack (blue) on a 2-port surface mount box (white).
2. Each exterior camera outlet gets (1) Cat 6 jack (blue) on a 2-port surface mount box (white).
3. We will furnish and install a total of (147) Cat 6 patch cords, 3ft (blue) on workstation end.
4. All empty ports on faceplates will be covered using blanks.
5. We will provide adequate firestop putty and sealant for cable penetration and cable travel.

MDF/IDF buildout (13 Locations):

1. We will furnish and install a total of (13) 24-port unshielded modular flat patch panel (black) in existing rack. All new Cat 6 cables will be terminated on these newly installed patch panels.
2. No horizontal cable managers will be provided at the IDF/MDF room end.
3. We will only furnish and install necessary patch panels and terminations in existing rack. The existing rack should have enough space to install new 24-port modular flat patch panels. If new rack required for any buildout, a new change order will be proposed.

Common:

1. We will furnish and install a total of (147) Cat 6 patch cords, 3ft (blue) on IDF/MDF end.
2. All patch panels will be provided with a strain relief bar.
3. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Backbone cabling:

1. No backbone cabling is included in this proposal.

Alternate 1:

Demolition:

1. We will pull and remove all existing aged cables in thirteen locations as required.

Common:

1. SYSTEC101 will install, terminate, test and label all the cables provided above.
2. All patch panels will be provided with a strain relief bar.
3. All labeling will be machine printed.
4. All the penetrations made for the installation of telecommunication cables will be firestopped using putty and sealant.
5. All terminations and testing will be done as per TIA/EIA/BICSI standards.
6. 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 security camera system (device/equipment), TV's, WAP system, access control system, intrusion detection and intercom
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 IDF/MDF Room.
6. Furnishing and installation of Empty conduits and stub up conduits.
7. Furnishing and installation of fire alarm systems.

Financing options:

SYSTEC101 provides multiple payment options for clients to opt after completion of the project.

	Payment options	Select option
i)	NET 15	<input type="checkbox"/>
ii)	NET 30	<input type="checkbox"/>
iii)	NET 45	<input type="checkbox"/>
iv)	NET 60	<input type="checkbox"/>

Warranty:

1. SYSTEC101 guarantees that it has satisfactory 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 in obtaining any warranty coverage provided by equipment manufacturers.
2. Manufacturer's warranty for 25-years will be provided.

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. If required, stub ups, conduits, raceways and coring are to be provided by the customer.
3. Pricing does not include any wiremold raceways, power poles, UPS, PDU's or any scope of work related to security, networking equipments.
4. SYSTEC101 must have proper access to all areas necessary to complete the project in a timely fashion.
5. No cutover, ISP cabling and backbone cabling is included in this proposal.
6. Based on General - Panduit (Mini-com) cabling solution.
7. Any additional labor or material required beyond the scope of this proposal will be done on a change order, signed by a customer representative.
8. Conduits, back boxes and pull boxes should be made ready prior to cabling installation.
9. 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.
10. No backbone cabling (copper and fiber) is included in this proposal.
11. No network equipment is included in this proposal. It should be provided by owner or others.
12. The Division. 28 is completely excluded from this proposal.
13. This proposal includes prevailing wage rate.
14. Labor for demolition is included in this proposal.
15. Pricing for Scissor lift for (4) separate locations is included in this proposal.
16. **We will only furnish and install necessary patch panels and terminations in existing rack. The existing rack should have enough space to install new 24-port modular flat patch panels. If new rack required for any buildout, a new change order will be proposed.**
17. **The equipment racks, ladder racks, grounding & bonding, busbars and fire rated plywood backboard at MDF/IDF end to be existing one. If newly required, a new changed order will be proposed.**
18. **We will only provide adequate fire stop putty and sealants for cable penetration and cable travel at both WAO end and IDF/MDF end. If the existing fire stop sleeve at the IDF/MDF end is not sufficient, a new change order will be proposed.**
19. **No conduit and back box will be provided. It should be furnish and installed by the electrical contractor. We will be not responsible for it.**

Camera Cabling:**Equipment and Labor**

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
7131800	General Cat 6 U/UTP 4-pair unshielded plenum cable (blue) (Per ft)	35000	\$ 0.43	\$ -	\$ 0.43	\$ 15,120.00
7136100	General Cat 6 U/UTP 4-pair outdoor rated riser cable (black) (Per ft)	2000	\$ 0.50	\$ -	\$ 0.50	\$ 1,008.00
CJ688TGBU	Panduit Mini-com Cat 6 jack (blue)	147	\$ 13.84	\$ -	\$ 13.84	\$ 2,033.89
CJ688TGBL	Panduit Mini-com Cat 6 jack (black)	147	\$ 13.84	\$ -	\$ 13.84	\$ 2,033.89
CBXQ2WH-A	Panduit Mini-com 2-port surface mount box (white)	147	\$ 7.38	\$ -	\$ 7.38	\$ 1,084.86
CMBWH-X	Panduit Mini-com blank module (white)	147	\$ 0.43	\$ -	\$ 0.43	\$ 63.50
UTPSP3BUY	Panduit Cat 6 patch cord, 3ft (blue)	147	\$ 14.32	\$ -	\$ 14.32	\$ 2,104.45
Part Number	IDF/MDF room accessories	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
CPPL24WBLY	Panduit Mini-com 24-port flat modular patch panel, 1RU (black)	13	\$ 58.76	\$ -	\$ 58.76	\$ 763.93
SRB19BLY	Panduit strain relief bar	13	\$ 23.47	\$ -	\$ 23.47	\$ 305.14
CNWS1224-C	Panduit 12-24 cage nut and rack mounting screws, (pack of 100)	1	\$ 232.04	\$ -	\$ 232.04	\$ 232.04
UTPSP3BUY	Panduit Cat 6 patch cord, 3ft (blue)	147	\$ 14.32	\$ -	\$ 14.32	\$ 2,104.45
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
SSP100	Firestop putty	13	\$ 47.40	\$ -	\$ 47.40	\$ 616.20
CP25WB+	3M Fire barrier sealant	3	\$ 21.94	\$ -	\$ 21.94	\$ 65.81
ICCMSJHW44	ICC 2" J-hook High performance	130	\$ 3.92	\$ -	\$ 3.92	\$ 510.12
ICCMSJHW55	ICC 4" J-hook High performance	130	\$ 5.32	\$ -	\$ 5.32	\$ 691.08
0503706EG	nVent caddy 3/8" threaded rod, 6ft (steel)	65	\$ 3.54	\$ -	\$ 3.54	\$ 230.10
386222	Hilti threaded rod hanger X-HS W10 U22 P8 S15	130	\$ 3.05	\$ -	\$ 3.05	\$ 396.24
1700-1PK-BB40	3M Electric tapes	18	\$ 3.48	\$ -	\$ 3.48	\$ 62.64
30987	3/4" Velcro (75ft)	5	\$ 40.80	\$ -	\$ 40.80	\$ 204.00
PLT3I-C	Panduit Tie wraps (100/bag)	6	\$ 40.61	\$ -	\$ 40.61	\$ 243.65
N/A	Core Penetration	7	\$ 498.00	\$ -	\$ 498.00	\$ 3,486.00
N/A	Labeling kits	1	\$ 390.00	\$ -	\$ 390.00	\$ 390.00
N/A	Miscellaneous materials	1	\$ 750.00	\$ -	\$ 750.00	\$ 750.00
N/A	32' Scissor lift rental for 8 days includes pick up and drop	1	\$ 2,040.00	\$ -	\$ 2,040.00	\$ 2,040.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	456	\$ -	\$ 105.00	\$ 105.00	\$ 47,880.00
N/A	Project Management	24	\$ -	\$ 105.00	\$ 105.00	\$ 2,520.00
N/A	Training	48	\$ -	\$ 105.00	\$ 105.00	\$ 5,040.00

Total Equipment :	\$ 36,540.00
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Tax on Equipment (Tax Exempt):	0.00% \$ -
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Total Labor:	\$ 55,440.00
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Grand Total :	\$ 91,980.00
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Alternate 1:**Labor for demolition**

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for demolition (to pull and remove all existing aged cable)	104	\$ -	\$ 105.00	\$ 105.00	\$ 10,920.00
N/A	Project Management	12	\$ -	\$ 105.00	\$ 105.00	\$ 1,260.00

Total Labor (demolition):	\$ 12,180.00
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Grand Total :	\$ 12,180.00
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Purchase Authorization

Date