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We are SYSTEC101

Quote No.23-0101

Date: 02/15/2024

Division 27 10 00 - Structured Cabling Proposal

SYSTEC101 will be providing the following:

Site Address: Dillion road and 122th south street, Lafayette, Colorado.

Scope of Work

Structured Cabling :

1. SYSTEC101 will furnish and install a total of (1215) Cat 6 cables (White) and (891) RG6 Cables to (324) outlets in apartments, (78) Cat 6 cables (White) and (20) RG6 Cables to (44) outlets in Clubhouse and (9) Cat 6 cables (White) and (2) RG6 Cables to (5) outlets in mailbox and maintenance.
2. Furnish and install (30) Cat 6 cables from clubhouse IDF to (15) dual data wall outlets.
3. Furnish and install (4) Cat 6 cables from clubhouse IDF to (1) quad data wall outlet.
4. Furnish and install (44) Cat 6 cables and (22) RG6 cables from clubhouse IDF to (22) dual data and video wall outlets.
5. Furnish and install (8) Cat 6 cables from clubhouse IDF to (8) wireless access point wall outlets.
6. Furnish and install (1) Cat 6 cable from clubhouse IDF to (1) emergency phone wall outlets.
7. Furnish and install (2) Cat 6 cable and (1) RG6 cable from structured media center enclosure to each dual data and video wall outlets in each units.
8. Furnish and install (1) Fieldshield Pushable 3 mm Optical Fiber with 900 µm Tight Buffer Fiber cable and (1) RG-6 cable from structured media enclosure to exterior cabinet in each unit.
9. Furnish and install (1) RG-6 cable from structured media enclosure to exterior cabinet in each unit.
10. Each dual data wall outlet gets (2) blue Cat 6 jacks on a 2-port faceplate (white).
11. Each quad data wall outlet gets (4) blue Cat 6 jack on a 4-port faceplate (white).
12. Each dual data and video wall outlet gets (2) blue Cat 6 jack and (1) black F-type module jack on a 4-port faceplate (white).
13. Each wireless access point wall outlet gets (2) blue Cat 6 jack on a 4-port faceplate (white).
14. Each emergency phone wall outlet gets (1) blue Cat 6 jack on a 2-port faceplate (white).
15. Empty modules on the faceplate will be covered using blanks.
16. J-Hooks will be installed as required to support traversal of the cable bundle.
17. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

IDF/MDF Build out :

1. SYSTEC101 will furnish and install (4) 4" firerated EZ pathway.
2. Furnish and install (1) Chatsworth 2-post rack with (2) 6" vertical cable manager and (3) chatsworth 2U horizontal cable manager.
3. Furnish and install (3) 48-port Cat 6 patch panel. All new Cat 6 cables will be terminated in the newly installed patch panel.
4. Furnish and install (3) 48-port unifi network switch on the IDF side.
5. Furnish and install (9) 4Exterior Outdoor weatherproof cabinet.
6. Furnish and install (324) 48-port unifi network switch on the IDF sideICC 14"X30" non-metallic structured media panel.
7. Furnish and install (324) ICC 1X6 Coax splitter.
8. Furnish and install (9) L-com Coax 16-port patch panel.
9. Furnish and install (9) L-com Coax 32-port patch panel.
10. Furnish and install (27) 48-port unifi network switch on the IDF side.
11. Furnish and install (27) 48-port unifi network switch on the IDF side.
12. Furnish and install (27) 48-port unifi network switch on the IDF side.
13. We will furnish and install (2) Chatsworth 12" W ladder racks.
14. We will furnish and install (2) Chatsworth 12" W radius drops.
15. We will furnish and install (2) Chatsworth 12" W wall angle kits.
16. We will furnish and install (1) Chatsworth elevation kit for racks.
17. We will furnish and install (1) Chatsworth rack to runway mounting plates.
18. We will furnish and install (1) Chatsworth junction splice kits.
19. We will furnish and install (2) Chatsworth Ladder end caps.
20. We will furnish and install (2) Chatsworth triangular wall bracket.
21. All patch panels will be provided with a strain relief bar.
22. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

Backbone cabling:

1. We will furnish and install (1) Corning 12 strand OS2 loose tube, gel free, plenum, OSP rated fiber optic cable from MDF rack to IDF rack. The fiber shall terminate on MDF side in a 4U rack-mount fiber panel with LC connectors and IDF side in a 1U rack mount fiber panel with LC connector.
2. We will furnish and install (1) Fieldshield Pushable 3 mm Optical Fiber with 900 μm Tight Buffer Fiber cable from exterior weatherproof cabinet to each structure media panels in aall buildings.
3. Furnish and install Fieldshield Microduct, 10/6MM, Indoor Plenum, Non-Toneable to protect traversal of the cables.
4. Furnish and install (1) Generic Fiber Optical Terminal Junction Box on each apartment side.
5. Furnish and install (324)Simplex OS2 Single Mode Fiber Optic Adapter as required on each apartment side.
6. Furnish and install (324) Corning fusion splice Heat-Shrink as required on each apartment side.
7. Furnish and install (324)LC Pigtail connector as required on each apartment side.
8. Furnish and install (9) Fiber Delivery Point (FDP) Indoor 36-Port Wall Box as required on each apartment side.

Grounding:

1. All IT equipment and rack will be bonded with the grounding busbar provided in the 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 (1293) Cat 6 cables (White) and (911) RG6 Cables.
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.
5. All terminations and testing will be done as per TIA/EIA/BICSI standards.
6. We will provide Providence School with closeouts (test results and as-builts) at the end of the project.

Access Control System

Access Control System:

SYSTEC101 will furnish and install access control system for a total of (16) doors.

1. Furnish and install (10) Salto XS4 deadbolt type standard mortise locks.
2. Furnish and install (2) Salto XS4 panic button standard mortise locks.
3. Furnish and install (1) Salto 2-door auxiliary controller.
4. Furnish and install (1) Altronix - Salto Access and Power Integration Enclosure.
5. Furnish and install (2) Altronix 12V 7AH Regulated Lead-Acid Rechargeable Battery.
6. Furnish and install (12) Salto modular wall reader.
7. Furnish and install (2) Salto mullion reader.
8. Furnish and install (1) Salto Desktop Reader|HID iClass|serial connector.
9. Furnish and install (1) SPACE Graphical Mapping Option .
10. Furnish and install (1) ProAccess SPACE Software|ID Badging|Visitor Module .
11. Furnish and install (1) SPACE Visitor Module Option.
12. Furnish and install (1) SPACE Matrix Location and Function Option.
13. Furnish and install (1) SPACE Event/Alarms and Communication Option.
14. Furnish and install (7) Salto Mifare proximity cards.
15. We will furnish and install (1) Cat 6 cables from Access control panel to nearest network switch. Uplink network switch with internet should be done by
16. We will furnish and install the locks for all the above mentioned doors.
- 17. Tenant access control locking hardware is not included in this proposal.**

Intrusion Detection System

Intrusion Detection System:

SYSTEC101 will furnish and install a total of (4) motion sensor, (1) keypand and (3) door contacts.

1. Furnish and install (1) DSC PowerSeries Neo HS2032 Control Panel with CP01 Software in a Large Cabinet.
2. Furnish and install (1) 12V 7AH Sealed Lead Battery.
3. Furnish and install (4) DSC Motion Detector, Pet Immunity.
4. Furnish and install (3) DSC Door/Window Contact.
5. Furnish and install (1) DSC Hardwired TouchScreen White Keypad Power Series.
6. Furnish and install (1) DSC Host Transceiver Module.
7. Furnish and install (1) DSC Dual Path Communicator (Verizon LTE, Ethernet).
8. Furnish and install (1) SVC Lithium 3 Volt Battery.
9. We will furnish and install (1) Cat 6 cables from Intrusion System detection Controller to nearest network switch. Uplink network switch with internet
10. Each Intrusion detection Keypad will get (1) 18/4 indoor rated cable from HS2032 Control Panel.
11. All cabling will be secured using velcro, tie-wraps and other necessary supporting material.

CCTV System

CCTV System:

SYSTEC101 will furnish and install a total of (18) cameras.

1. Furnish and install (18) ICC 1-port surface mount box.
2. Furnish and install (1) ICC CAT6 24 Port Patch Panel.
3. We will furnish and install (1) Cat 6 cables for each cameras.
4. We will not provide the camera equipments and network equipments. we will install only cat 6 cables for camera.

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 security camera system, intercom system, TVs and wireless access point system.
5. Furnishing and installation of network equipment (switches, SFPs, uplink patch cords and servers) and ISP link (firewall, routers and demarc extension).
6. Furnishing and installation of HVAC and electrical systems in the IDF Room.
7. Furnishing and installation of grounding backbone in the IDF Room.
8. Furnishing and installation of Audio-Visual and Security solutions.

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 includes prevailing wage rates.
3. All work to be performed in an environment free from hazardous and/or regulated materials (e.g. asbestos).
4. Patching and painting, except for repairs due to breakage, are not included.
5. Replacement of permanently installed ceiling tile (if concealed spline) is not included.
6. Removal of debris from premises (haulage) is not included.
7. Fire stopping, unless otherwise noted, is not included.
8. Hoisting charges are not included.
9. If required, stub ups, conduit and coring are to be provided by customer.
10. Pricing does not include any surface raceways, wiremold, power poles, UPS or any scope of work related to security, networking equipments.
11. Unless otherwise noted herein, entire project to be performed in a continuous, uninterrupted manner.
12. 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 workmanlike manner; wires shall be run in the most economical way.
13. 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.
14. SYSTEC101 must have proper access to all areas necessary to complete the project in a timely fashion.
15. No demo, cutover, ISP cabling and backbone cabling is included in this proposal.
16. Based on ICC Cabling Solution.
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. we will install only cables for cameras.
22. 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.
23. We will not provide the camera equipments and network equipments. we will install only cat 6 cables for camera.
24. Innerducts are provided by general contractor or others.
25. In access control system, wired locks should be provided by general contractor or others.
26. In access control system, SPACE Mobile Users License (0016-1), included for first 12 months from software registration.

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 System:

Equipment and Labor

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
05623A4-B1-6NS	All star CAT6 Cable for Data Applications UTP CMR Blue (blue) (per ft)	180000	\$ 0.19	\$ -	\$ 0.19	\$ 33,660.00
P05623A4-B1-9NS	All star CAT6 Cable for Data Applications UTP CMP Blue (blue) (per ft)	14000	\$ 0.30	\$ -	\$ 0.30	\$ 4,158.00
060623A4-S1-0	All star CAT6 Cable for Data Applications CAT6 Outdoor Cable (black) (per ft)	1000	\$ 0.27	\$ -	\$ 0.27	\$ 269.50
9116P 0101000	Belden Coaxial RG6 plenum cable, Black (per ft)	4000	\$ 1.71	\$ -	\$ 1.71	\$ 6,820.00
016UQR-B1-0	All star Coaxial RG6 Quad Bare Copper Black (per ft)	220000	\$ 0.12	\$ -	\$ 0.12	\$ 26,620.00
ICMP8P8C6E	ICC CAT6 Solid/Stranded Modular Plug	4	\$ 1.12	\$ -	\$ 1.12	\$ 4.48
ICC IC107L6CBL	ICC Cat 6 Jack (Blue)	1297	\$ 3.25	\$ -	\$ 3.25	\$ 4,208.77
IC107B5FWH	ICC F-type module Jack (White)	911	\$ 1.66	\$ -	\$ 1.66	\$ 1,513.17
ICRDSAV01F	ICC F-type connector	1822	\$ 0.90	\$ -	\$ 0.90	\$ 1,643.44
IC107F02WH	ICC 2-port faceplate (White)	604	\$ 1.74	\$ -	\$ 1.74	\$ 1,049.75
IC107F04WH	ICC 4-port faceplate (White)	370	\$ 1.90	\$ -	\$ 1.90	\$ 704.11
IC107BN0WH	ICC Blank Inserts(White)	324	\$ 0.40	\$ -	\$ 0.40	\$ 128.30
Part Number	Backbone Cabling	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
FS-CC1-001-8ZD-B 01000F	Fieldshield Pushable 3 mm Optical Fiber with 900 μm Tight Buffer Fiber cable (per ft)	88000	\$ 0.28	\$ -	\$ 0.28	\$ 24,200.00
a15111200ux0104	Generic Fiber Optical Terminal Junction Box	324	\$ 19.36	\$ -	\$ 19.36	\$ 6,272.64
N/A	Simplex OS2 Single Mode Fiber Optic Adapter	324	\$ 0.62	\$ -	\$ 0.62	\$ 199.58
2806031-01	Corning fusion splice Heat-Shrink	324	\$ 1.32	\$ -	\$ 1.32	\$ 427.68
FS-AA1-001-CZZ-DZZ 0150F	Fieldshield Pushable Patchcord, Singlemode, 1 (250Um) Fiber,3MM Jacket	324	\$ 13.75	\$ -	\$ 13.75	\$ 4,455.00
FS-AA1-012-PQZ-ZZZ	Fieldshield LC Pigtail connector	324	\$ 9.35	\$ -	\$ 9.35	\$ 3,029.40
WNB-036-FIF-ZZZ-001M	FieldSmart Fiber Delivery Point (FDP) Indoor 36-Port Wall Box	9	\$ 1,320.00	\$ -	\$ 1,320.00	\$ 11,880.00
FS-DCR-NT-610-PS-2000F	Fieldshield Microduct, 10/6MM, Indoor riser, Non-Toneable	88000	\$ 0.61	\$ -	\$ 0.61	\$ 53,240.00
Part Number	Backbone Cabling	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
012ESP-T4101D20	Corning 12 strand OS2 loose tube, gel free, plenum, OSP rated fiber optic cable (per ft)	12000	\$ 1.96	\$ -	\$ 1.96	\$ 23,496.00
CCH-CP12-A9-P03RH	Corning 12F OS2 adapter panel	18	\$ 566.86	\$ -	\$ 566.86	\$ 10,203.53
CCH-04U	Corning 4U housing	1	\$ 440.54	\$ -	\$ 440.54	\$ 440.54
CCH-01U	Corning 1U housing	9	\$ 256.47	\$ -	\$ 256.47	\$ 2,308.19
95-200-99	Corning (OS2) LC connectors	216	\$ 21.77	\$ -	\$ 21.77	\$ 4,702.10
Part Number	IDF/MDF Build out	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
EF100806-W	Exterior Outdoor weatherproof cabinet	9	\$ 274.59	\$ -	\$ 274.59	\$ 2,471.34
ICRESDP14E	ICC 14"X30" non-metallic structured media panel	324	\$ 45.10	\$ -	\$ 45.10	\$ 14,612.40
ICRESDPB3C	ICC 8-Port CAT6 Data Module	324	\$ 27.54	\$ -	\$ 27.54	\$ 8,924.26
ICRESAV62L	ICC 1X6 Coax splitter	324	\$ 29.69	\$ -	\$ 29.69	\$ 9,619.24
55053-703	Chatsworth 2-post rack	1	\$ 222.70	\$ -	\$ 222.70	\$ 222.70
13912-703	Chatsworth vertical cable manager 6"W	2	\$ 323.74	\$ -	\$ 323.74	\$ 647.48
CMPP04860	ICC CAT6 48 Port Patch Panel	3	\$ 212.29	\$ -	\$ 212.29	\$ 636.87
PR175F16	L-com Coax 16-port patch panel	9	\$ 140.79	\$ -	\$ 140.79	\$ 1,267.10
PR35F32	L-com Coax 32-port patch panel	9	\$ 228.79	\$ -	\$ 228.79	\$ 2,059.10
USW-48-PoE	Unifi 48-port network switch	3	\$ 647.90	\$ -	\$ 647.90	\$ 1,943.70
ICCMSCMA62	ICC 2U horizontal wire manager	3	\$ 22.81	\$ -	\$ 22.81	\$ 68.44
SRB19BLY	Panduit Strain Relief Bar	3	\$ 22.32	\$ -	\$ 22.32	\$ 66.96
10250-712	Chatsworth 12" W ladder rack	2	\$ 144.36	\$ -	\$ 144.36	\$ 288.73
12100-712	Chatsworth 12" W Radius drop	2	\$ 43.70	\$ -	\$ 43.70	\$ 87.41
11421-712	Chatsworth 12" W wall angle kit	2	\$ 35.77	\$ -	\$ 35.77	\$ 71.54
11302-701	Chatsworth Junction splice kit	1	\$ 13.68	\$ -	\$ 13.68	\$ 13.68
10506-706	Chatsworth elevation kit for racks	1	\$ 57.93	\$ -	\$ 57.93	\$ 57.93
12121-712	Chatsworth Rack to Runway mounting plate	1	\$ 66.55	\$ -	\$ 66.55	\$ 66.55
11312-712	Chatsworth 12" W triangular wall bracket	2	\$ 79.24	\$ -	\$ 79.24	\$ 158.49
10642-001	Chatsworth End Cap	2	\$ 10.29	\$ -	\$ 10.29	\$ 20.57

Part Number	Grounding kit	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
6G-0601-04	#6 AWG green insulated grounding wire	480	\$ 0.89	\$ -	\$ 0.89	\$ 425.34
6G-0401-04	#4 AWG green insulated grounding wire	200	\$ 1.36	\$ -	\$ 1.36	\$ 271.21
LICC4-22-C	Panduit One hole lug for ladder rack	8	\$ 6.84	\$ -	\$ 6.84	\$ 54.74
LCC6-38DW-L	Panduit Two hole compression lug for #6 Awg	64	\$ 6.79	\$ -	\$ 6.79	\$ 434.37
LCC4-38DW-L	Panduit Two hole compression lug for #4 Awg	12	\$ 7.56	\$ -	\$ 7.56	\$ 90.68
HTCT2-2-1	Panduit H-tap	4	\$ 14.08	\$ -	\$ 14.08	\$ 56.32
CLRCVR1-1	Panduit H-tap clear cover	4	\$ 20.25	\$ -	\$ 20.25	\$ 81.00
CTAPF1-12-C	Panduit compression crimp C-tap	4	\$ 4.55	\$ -	\$ 4.55	\$ 18.22
GACB-2	Panduit Auxillary cable pathway bracket	2	\$ 34.54	\$ -	\$ 34.54	\$ 69.08
RGS13448-1	Panduit Vertical grounding strip kit	4	\$ 118.05	\$ -	\$ 118.05	\$ 472.21
RGESDWS	Panduit ESD wrist strap	4	\$ 30.02	\$ -	\$ 30.02	\$ 120.08
GJS660U	Panduit Equipment bonding jumper kit	4	\$ 41.13	\$ -	\$ 41.13	\$ 164.52
CMP-300-1	Panduit anti-oxidant paste	4	\$ 64.43	\$ -	\$ 64.43	\$ 257.71
RGTBSG-C	Panduit grounding screws (100 pack)	4	\$ 62.99	\$ -	\$ 62.99	\$ 251.94
Part Number	Supporting Materials	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
BCH32	B-Line 2" dia J-hook	40	\$ 4.52	\$ -	\$ 4.52	\$ 180.84
BCH64	B-Line 4" dia J-hook	50	\$ 8.78	\$ -	\$ 8.78	\$ 438.90
EZDP44S2-B	STI EZ Path Series 44+ Fire-Rated Pathway	4	\$ 464.24	\$ -	\$ 464.24	\$ 1,856.98
FS 200	STI 2" Firestop Sleeve	40	\$ 58.70	\$ -	\$ 58.70	\$ 2,347.84
SSP 100	STI Firestop putty	40	\$ 37.17	\$ -	\$ 37.17	\$ 1,486.76
CP606	Hilti Firestop Acrylic Sealant	10	\$ 24.75	\$ -	\$ 24.75	\$ 247.50
1700-3	3M Electric tapes	2	\$ 3.85	\$ -	\$ 3.85	\$ 7.70
30987	3/4" Velcro (75ft)	2	\$ 28.44	\$ -	\$ 28.44	\$ 56.87
PLT3I-C	Panduit Tie wraps (100/bag)	1	\$ 36.14	\$ -	\$ 36.14	\$ 36.14
CMBWH-X	Panduit Blanks (10/pack)	1	\$ 0.35	\$ -	\$ 0.35	\$ 0.35
N/A	Miscellaneous materials	1	\$ 6,600.00	\$ -	\$ 6,600.00	\$ 6,600.00
N/A	Labeling Kits	1	\$ 825.00	\$ -	\$ 825.00	\$ 825.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	3416	\$ -	\$ 75.00	\$ 75.00	\$ 256,199.90
N/A	Project Management	160	\$ -	\$ 75.00	\$ 75.00	\$ 12,000.00

Total: Equipment	\$ 285,790.94
Total: Labor	\$ 268,199.89
Tax Exempt	9.06% \$ 25,892.66

Total:	\$ 579,883.49
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Access Control System:

Equipment and Labor

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
05623A4-B1-6NS	All star CAT6 Cable for Data Applications UTP CMR Blue (blue) (per ft)	4000	\$ 0.19	\$ -	\$ 0.19	\$ 748.00
ICMP8P8C6E	ICC CAT6 Solid/Stranded Modular Plug	28	\$ 1.12	\$ -	\$ 1.12	\$ 31.39
AH658W62IM48	Salto XS4 deadbolt type standard mortise locks	10	\$ 509.52	\$ -	\$ 509.52	\$ 5,095.20
AJ656A00IM38	Salto XS4 panic button standard mortise locks	2	\$ 501.60	\$ -	\$ 501.60	\$ 1,003.20
AC1822	West Penn Access Control Composite Cable (per ft)	3000	\$ 1.54	\$ -	\$ 1.54	\$ 4,620.00
CU4200	Salto 2-door auxiliary controller	1	\$ 359.08	\$ -	\$ 359.08	\$ 359.08
TROVE2SA2	Altronix - Salto Access and Power Integration Enclosure	1	\$ 627.00	\$ -	\$ 627.00	\$ 627.00
BT126	Altronix 12V 7AH Regulated Lead-Acid Rechargeable Battery	2	\$ 29.47	\$ -	\$ 29.47	\$ 58.94
WRMB004B	Salto modular wall reader	12	\$ 448.86	\$ -	\$ 448.86	\$ 5,386.26
WRDB0M4B	Salto mullion reader	2	\$ 448.86	\$ -	\$ 448.86	\$ 897.71
ECH0DRUS	Salto Desktop Reader HID iClass serial connector	2	\$ 514.80	\$ -	\$ 514.80	\$ 1,029.60

SPACE-OPT-0019	SPACE Graphical Mapping Option (0019)	1	\$ 199.27	\$ -	\$ 199.27	\$ 199.27
SPACE-OPT-0016-1	SPACE Mobile Users License (0016-1), included for first 12 months from software registration	650	\$ 2.53	\$ -	\$ 2.53	\$ 1,644.50
SPAIDSYS	ProAccess SPACE Software ID Badging Visitor Module	1	\$ 1,922.32	\$ -	\$ 1,922.32	\$ 1,922.32
SPACE-OPT-0013	SPACE Visitor Module Option	1	\$ 159.41	\$ -	\$ 159.41	\$ 159.41
SPACE-OPT-0015	SPACE Matrix Location and Function Option	1	\$ 118.58	\$ -	\$ 118.58	\$ 118.58
SPACE-OPT-0032	SPACE Event/Alarms and Communication Option	1	\$ 655.91	\$ -	\$ 655.91	\$ 655.91
PCM04KB-PM-50	Salto Mifare proximity cards (pack of 50)	7	\$ 279.44	\$ -	\$ 279.44	\$ 1,956.11
N/A	Miscellaneous materials	1	\$ 660.00	\$ -	\$ 660.00	\$ 660.00
N/A	Labeling Kits	1	\$ 385.00	\$ -	\$ 385.00	\$ 385.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	280	\$ -	\$ 75.00	\$ 75.00	\$ 20,999.99
N/A	Project Management and programming	24	\$ -	\$ 75.00	\$ 75.00	\$ 1,800.00

Total: Equipment	\$ 27,557.47
Total: Labor	\$ 22,799.99
Tax Exempt	9.06% \$ 2,496.71

Total:	\$ 52,854.16
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Intrusion Detection System:

Equipment and Labor

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
05623A4-B1-6NS	All star CAT6 Cable for Data Applications UTP CMR Blue (blue) (per ft)	2000	\$ 0.19	\$ -	\$ 0.19	\$ 374.00
ICMP8P8C6E	ICC CAT6 Solid/Stranded Modular Plug	2	\$ 1.12	\$ -	\$ 1.12	\$ 2.24
224	West Penn cable 18/2 cable	2000	\$ 0.28	\$ -	\$ 0.28	\$ 550.00
AQC244	West Penn cable 18/4 cable	1000	\$ 0.40	\$ -	\$ 0.40	\$ 396.00
253270BGY1000	West Penn cable 22/6 cable	1000	\$ 0.34	\$ -	\$ 0.34	\$ 341.00
HS2032NKCP01	DSC PowerSeries Neo HS2032 Control Panel with CP01 Software in a Large Cabinet	1	\$ 95.10	\$ -	\$ 95.10	\$ 95.10
IM-1272F1	12V 7AH Sealed Lead Battery	1	\$ 30.80	\$ -	\$ 30.80	\$ 30.80
PG9984P	DSC Motion Detector, Pet Immunity	4	\$ 96.80	\$ -	\$ 96.80	\$ 387.20
PG9945	DSC Door/Window Contact	3	\$ 38.50	\$ -	\$ 38.50	\$ 115.50
HS2TCHP N	DSC Hardwired TouchScreen White Keypad Power Series	1	\$ 305.80	\$ -	\$ 305.80	\$ 305.80
HSM2HOST9	DSC Host Transceiver Module	1	\$ 109.45	\$ -	\$ 109.45	\$ 109.45
TL880LTVZ	DSC Dual Path Communicator (Verizon LTE, Ethernet)	1	\$ 261.75	\$ -	\$ 261.75	\$ 261.75
CR123a	SVC Lithium 3 Volt Battery	1	\$ 4.40	\$ -	\$ 4.40	\$ 4.40
N/A	Miscellaneous materials	1	\$ 660.00	\$ -	\$ 660.00	\$ 660.00
N/A	Labeling Kits	1	\$ 385.00	\$ -	\$ 385.00	\$ 385.00
N/A	Manlifts - Rental	1	\$ 1,210.00	\$ -	\$ 1,210.00	\$ 1,210.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	48	\$ -	\$ 75.00	\$ 75.00	\$ 3,600.00
N/A	Project Management amd Programming	8	\$ -	\$ 75.00	\$ 75.00	\$ 600.00

Total: Equipment	\$ 5,228.23
Total: Labor	\$ 4,200.00
Tax Exempt	9.06% \$ 473.68

Total:	\$ 9,901.91
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AV System:

Equipment and Labor

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
05623A4-B1-6NS	All star CAT6 Cable for Data Applications UTP CMR Blue (blue) (per ft)	1000	\$ 0.19	\$ -	\$ 0.19	\$ 187.00
ICMP8P8C6E	ICC CAT6 Solid/Stranded Modular Plug	10	\$ 1.12	\$ -	\$ 1.12	\$ 11.21
295	West Penn cable 14/2 cable	7000	\$ 0.72	\$ -	\$ 0.72	\$ 5,005.00
P75	Russound 2 channel amplifier	2	\$ 149.59	\$ -	\$ 149.59	\$ 299.18
MCA-66	Russound multizone Amplifier	2	\$ 1,567.49	\$ -	\$ 1,567.49	\$ 3,134.98
XTS7	Russound Wall-Mounted Color Touchscreen	4	\$ 637.56	\$ -	\$ 637.56	\$ 2,550.24
IPK1	Russound single gang IP keypad	2	\$ 166.09	\$ -	\$ 166.09	\$ 332.18
ALT-70V-50	Russound 50 Watt 70V Volume Control	7	\$ 34.09	\$ -	\$ 34.09	\$ 238.62
IC-830	Russound premium performance speaker	17	\$ 322.29	\$ -	\$ 322.29	\$ 5,478.91
IC-630	Russound premium performance wallmount speaker	6	\$ 322.29	\$ -	\$ 322.29	\$ 1,933.73
MBX-PRE	Russound Wifi Media Streaming Player	10	\$ 318.99	\$ -	\$ 318.99	\$ 3,189.89
N/A	Pyle Bluetooth Receiver Wall Mount - In-Wall Audio Control Receiver w/ Dual USB Charging Port	4	\$ 60.49	\$ -	\$ 60.49	\$ 241.96
CG42528	HDMI cable	100	\$ 1.65	\$ -	\$ 1.65	\$ 165.00
Part Number	Labor	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
N/A	Labor for completing the stated Scope of Work	180	\$ -	\$ 75.00	\$ 75.00	\$ 13,499.99
N/A	Project Management and Programming	16	\$ -	\$ 75.00	\$ 75.00	\$ 1,200.00

Total: Equipment \$ 22,767.90

Total: Labor \$ 14,699.99

Tax Exempt 9.06% \$ 2,062.77

Total: \$ 39,530.66

CCTV System:

Equipment and Labor

Part Number	Material	Quantity	Material Price	Labor Cost	Unit Price	Ext.Price
05623A4-B1-6NS	All star CAT6 Cable for Data Applications UTP CMR Blue (blue) (per ft)	4000	\$ 0.19	\$ -	\$ 0.19	\$ 748.00
ICMP8P8C6E	ICC CAT6 Solid/Stranded Modular Plug	36	\$ 1.12	\$ -	\$ 1.12	\$ 40.35
IC625S51WH	ICC 1-port surface mount box (White)	18	\$ 4.95	\$ -	\$ 4.95	\$ 89.10
ICC IC107L6CBL	ICC Cat 6 Jack (Blue)	18	\$ 3.25	\$ -	\$ 3.25	\$ 58.41
ICMPP02460	ICC CAT6 24 Port Patch Panel	1	\$ 85.80	\$ -	\$ 85.80	\$ 85.80
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	2	\$ -	\$ 75.00	\$ 75.00	\$ 150.00

Total: Equipment \$ 1,021.66

Total: Labor \$ 4,950.00

Tax Exempt 9.06% \$ 92.56

Total: \$ 6,064.22

Proposed System	Price Breakdown
Structured Cabling System	\$ 579,883.49
Intrusion Detection System	\$ 52,854.16
Clubhouse and Maintenance Building Access Control System	\$ 9,901.91
CCTV Cabling	\$ 39,530.66
AV Speaker System	\$ 6,064.22
Grand Total:	\$ 688,234.45

Purchase Authorization

Date