NOTICE TO ALL CONTRACTORS

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated December 3, 2018. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

BID DATE HAS CHANGED TO January 15, 2019 prior to 2PM

A. Deletions, Additions, Changes, Revisions

Item:

1. DELETIONS:
   a. NONE

2. ADDITIONS:
   a. SPECIFICATION SECTION 01030 ALTERNATES – add section in its entirety.
   b. SPECIFICATION SECTION 27 21 00, DATA COMMUNICATIONS NETWORK EQUIPMENT – add section in its entirety.
   c. DRAWING SHEET SY102, SITE PLAN – DIABLO VALLEY COLLEGE – add sheet in its entirety.

3. REVISIONS:
ADDENDUM # 1

a. SPECIFICATION SECTION 00100 – NOTICE INVITING BIDS – Change bid due date as follows:
   
   BID OPENING: January 15, 2019 prior to 2:00 PM

b. SPECIFICATION SECTION 00300 BID PROPOSAL FORM – replace in its entirety.

c. SPECIFICATION SECTION 00800 SUPPLEMENTARY GENERAL CONDITIONS – replace the following paragraph 3.1.D-1.a.i with:

   i. Child Care Center activities will begin January 28th for the Winter Semester. Contractor may work during normal business hours prior to this date at the building(s). From January 28th and on, the Contractor may not work between the hours of 8AM to 3PM For DVC, Monday through Thursday. Contractor may work during normal business hours on Fridays at DVC. The Contractor may not work between the hours of 7AM to 4PM for LMC, Monday through Friday.

d. DRAWING SHEET SY001, TITLE SHEET – replace in its entirety.

e. DRAWING SHEET SY201, CONTRA COSTA COLLEGE EARLY LEARNING CENTER – replace in its entirety.

f. DRAWING SHEET SY211, DIABLY VALLEY COLLEGE EARLY CHILDHOOD EDUCATION – replace in its entirety.

g. DRAWING SHEET SY221, LOS MEDANOS COLLEGE CHILD STUDY CENTER – replace in its entirety.

h. DRAWING SHEET SY501, INSTALLATION DETAILS – replace in its entirety.

B. Responses to Requests for Information

1. Reference: Part 3 3.5 Site Work. Do we need to paint the conduit to match the building?

   Yes.

2. Reference: Plans. Please confirm that installers can use EMT instead of rigid steel.

   Rigid Conduit will be utilized for installations 8 feet and below within publicly accessible areas. EMT to be utilized in all other areas.

3. Reference: Plans. Please confirm that the CCCCD will verify the viability of the existing conduit pathway between the two buildings at Diablo Valley college. If the pathway is not viable, please confirm that the CCCCD will install a new pathway?

   A wall mounted hardened network switch was added in this addendum, housed in a NEMA enclosure adjacent to the existing 2" conduit. Utilize spare existing category cable to connect switch in NEMA enclosure.
4. Reference: Plans. Please confirm that all the new proposed cameras and installation locations at each site will be released via addendum?

Confirmed.

5. Reference: Plans. Please confirm that offerors can use liquid tight flex where necessary to install exterior cameras?

Liquid tight flex is acceptable for exterior cameras where necessary. Distance not to exceed 4 feet.

6. Reference: Part 3 3.1 General. Please confirm that the campus police departments will issue parking passes for on-site installation.

Confirmed.

7. Reference: Part 3 3.1 General. Please confirm that the CCCCD will provide a location at each site for the installer to stage materials and or job boxes?

Confirmed. Location to be approved by District at each campus.

8. Reference: Plans. Is any trenching required or is there an existing pathway?

DVC has a short section under the sidewalk to the pole mounted camera.

9. Reference: Part 3 3.3 Existing Conditions. Who installed the existing system?

Several vendors over several projects installed the cameras, the software was recently upgraded by Salient.

10. Reference: Part 3 3.3 Existing Conditions. Please confirm that the new cameras will be added to the existing network.

Confirmed.

11. Reference: Part 3 3.3 Existing Conditions. Please provide the current version of the Video Management Software.

Salient - CompleteView version 4.8.1.36

12. Reference: Part 3 3.3 Existing Conditions. Please confirm that the existing network switch/switches have enough open ports for the additional cameras.

Yes there will be.
ADDENDUM # 1

13. Reference: Part 3 3.3 Existing Conditions. Please confirm that the existing network switch/switches have the enough open PoE ports to support the additional cameras at each location. Please confirm if the available ports are PoE or Poe plus ports.

Yes there will be. We use POE +.

14. Reference: Part 3 3.3 Existing Conditions. Please provide the make and model number of the current network switch in use for the Video Surveillance System.

With the exception of pole mounted hardened switches we use exclusively HP Procurve 5400, 3810, 3500 switches.

15. Reference: Part 3 3.3 Existing Conditions. Please confirm if the current solution is configured such the network cable Cat5/6 are wired directly to the network switch or to a network patch panels.

Patch Panels.

16. Page 109 of the RFP states specific Axis and Hanwha brand cameras but also states or equal. We would like to use Avigilon cameras or perhaps Panasonic cameras of equal specs. Please advise if this will be allowed for bidding?

Alternates are allowed. The burden to prove submitted products are equal is up to the contractor. If the contractor chooses to use a substituted camera for the BID and the substitution is not approved as an equal the contractor will be required to provide the originally specified camera at no additional cost. Please refer to Supplementary General Conditions Section 00800 1.4 and specification section 280000, 1.6, 2-7 for specific requirements for substitutions.

17. Please confirm if we are to provide an NVR for each location or if we are only to provide licenses to existing server?

Each campus has existing virtual Video System Servers. Contractor will provide licensing to support equipment added during this project.

18. Please confirm if a bid bond is required or only a payment and performance bond once awarded?

Refer to Section 00300 Bid Proposal Form-1.D. Confirmed that a Bid Security is to be submitted with the bid.

19. Can an extension for the deadline per granted due to holidays causing delays with quotes, bonds etc?

Bid date has change to January 15, 2019 prior to 2PM.
ADDENDUM # 1

If you have any questions regarding this Addendum, please contact:

Ben Cayabyab, Contracts Manager  
Contra Costa Community College District  
500 Court St., Martinez, CA 94553  
Email: bcayabyab@4cd.edu

All other terms and conditions of BID are to remain the same.

END OF ADDENDUM #1
PART 1 – GENERAL

1.1 RELATED DOCUMENTS
A. All Contract Documents shall be reviewed for applicable provisions related to the provisions in this document, and provisions in the General Conditions and other Specification Sections shall apply to this Section without limitation.

1.2 SUMMARY
A. This Section includes administrative and procedural requirements governing Alternates. Each Alternate is identified by number and describes the basic changes to be made in the Work.

1.4 REQUIREMENTS
A. Alternate pricing quoted on the Bid Proposal Form will be reviewed by the District, and accepted or rejected at District’s sole option. Any accepted Alternate(s) will be identified in the District-Contractor Agreement.
B. See the Bid Proposal Form, Section 00300. Item 1.E, for District Bid evaluation procedure.
C. All Alternates are either “additive” or “deductive” or “no change” to the Lump Sum Base Bid. The Contractor shall quote the amount for each Alternate in the space provided on the Bid Proposal Form.
D. Failure to either quote an Alternate amount or the insertion of the words “no bid,” “none” or words of similar import, may be considered as not completing the Bid Proposal Form and may constitute disqualification of the entire bid at District’s sole discretion. Bidders may insert a zero dollar amount ($0.00) in the Alternate price line of the Bid Proposal Form if the Bidder proposes to perform the Work of the Alternate with no additional change to the Contract Sum.
E. The Base Bid and the Alternates are exclusive in their scope of Work. There is no overlap between or among the Base Bid and the Alternates.
F. The cost of any item of work shall be included only once, in the Base Bid or in the Alternates.
G. Each Alternate is intended to cover all of the Work required for a complete, finished job.
   1. Alternate Work includes all miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of the Alternate, but necessary to complete the Alternate Work according to the Contract Documents.

1.5 PROCEDURES
A. Modify or adjust affected adjacent Work as necessary to completely integrate Work of each accepted Alternate into the Project.
B. Notification: Immediately following award of the Contract, Contractor shall notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
C. The District reserves the right to award the other Additive/Deductive Alternates through change orders as budget allows.

D. Execute accepted Alternate(s) under the same conditions as other Work of this Contract.

PART 2 - PRODUCTS

2.1 DESCRIPTION OF ALTERNATES

A. Alternates are listed in Part 2 of the Bid Proposal Form, and hence are identified below as 2.B.

2.B.i. Remove and replace existing camera and replace ceiling tile with new tile per SY201 Addendum No. 1.

PART 3 - EXECUTION

3.1 GENERAL

A. Execute accepted alternates under the same conditions as other Work of this Contract.

B. Coordination: Modify or adjust affected Work as required to completely and fully integrate that Work into the Project.

END OF SECTION 01030
SECTION 00300
BID PROPOSAL FORM
(INFORMAL BIDS)

P-1036 District Wide Video Surveillance System – Child Care Center

CONTRA COSTA COLLEGE 2600 Mission Bell Drive, San Pablo, CA 94806
DIABLO VALLEY COLLEGE 321 Golf Club Road, Pleasant Hill, CA 94523
LOS MEDANOS COLLEGE 2700 East Leland Road, Pittsburg, CA 94565

BID DATE: January 15, 2019, prior to 2:00 PM

INSTRUCTIONS TO BIDDERS:
- Please send your BID Proposal in one of these methods:
  a) Email: bcayabyab@4cd.edu; b) Drop off at District Office
- Don’t forget to include a Bid Bond for 10% of the Bid amount; (copy attached to Bid Proposal is accepted, original by mail to follow); and signed Certification of Site Visit;
- Bid results shall be sent to you via email message and posted at the District Website;
- For clarification, please call: Ben Cayabyab, 925-229-6956 or bcayabyab@4cd.edu

Attention is directed to Labor Code Section 1725.5 regarding Department of Industrial Relations (DIR) contractor registration process; registration criteria and implementation of DIR registration requirements. Labor Code Section 1771.7 establishes contractor’s obligation to submit Certified Payroll (CPR) to the Department of Labor and Standards Enforcement (DLSE) and public works monitoring and enforcement. Labor Code Section 1773.3 requires the District to submit a PWC-100 to DIR for all public works contract awarded effective January 1, 2015.

1. INTRODUCTION
   A. The Bidder proposes to perform the Work for the Contract Sum and within the proposed time, based upon an examination of the Job Site and Specifications.
   B. The Bidder certifies this proposal is submitted in good faith.
   C. The signed copy of the Certification of Visit to the Site shall be attached to the Proposal Form.
   D. The Bidder shall attach a Bid Security for ten percent (10%) of the Bid Amount in the form of Bid Bond, or Certified Check payable to the District.
   E. The District shall award the contract to the lowest responsive and responsible Bidder. The evaluation of the low bid shall be based on the 2.C Total Project Bid which is the 2.A Total Base Bid value plus 2.B Additive Alternate No. 1.

Please Note: PCC 20651 (b); In the event, the successful bidder fails to provide the required Payment and Performance bonds, the Bid Security shall be forfeited in favor of the District and Contractor shall not be entitled for contract award.
2. **BID AMOUNT**
   For labor, materials, insurances, bonds, fixtures, equipment, tools, transportation, services, sales taxes and other costs necessary to complete the public project in accordance with Specifications, for a stipulated Contract Sum in the amount of:

   **A. Quote for the BASE BID Scope of Work: (no alternates included)**

   **Los Medanos College**
   
   (Write amount of Subtotal Base Bid) $ __________

   **Diablo Valley College**
   
   (Write amount of Subtotal Base Bid) $ __________

   **Contra Costa College**
   
   (Write amount of Subtotal Base Bid) $ __________

   ............................................................ TOTAL BASE BID $ __________

   **B. Additive Alternates**

   i. Remove and replace existing camera and replace ceiling tile with new tile per SY201 Addendum No. 1. See Specification Section 01030 Alternates for additional information.

   (Write amount of ADDITIVE ALTERNATE No. 1) $ __________

   **C. Total Project Bid**
   Provide the sum of 2.A. Total Base Bid and 2.B Additive Alternate No. 1.

   (Item 2.A + Item 2.B) $ __________
3. ADDENDUM (if applicable): #1 Received Date: __________; #2 Received Date: __________;

4. SUBCONTRACTORS LIST (If Any)

Attention is directed to Section 4100 through 4113 of the Public Contract Code concerning Subcontractors, with emphasis on Section 4104, known as the “Subletting and Subcontracting Fair Practices Act, effective July 1, 2014.

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Subcontractor's Name</th>
<th>Address/Phone</th>
<th>Business License # &amp; DIR Registration #</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
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<td>(3)</td>
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</tr>
</tbody>
</table>

4. COMPLETION TIME
   A. For establishing the Date of Substantial Completion, the contract time shall be 60 calendar days after date of Notice to Proceed.
   B. Final Completion shall be 30 calendar days after the date of Substantial Completion.
   C. Prior to the Notice to Proceed issued by the District, the Contractor shall provide a CPM construction schedule, prepared in Microsoft Project format, utilizing the entire time allowed to complete the project. Schedule shall be subject to District's approval.

5. ACCEPTANCE AND AWARD
   The District reserves the right to waive minor irregularities or reject all bids; or negotiate changes before or after execution of the Contract. This Bid shall remain open and shall not be withdrawn for a period of 10 days after Bid Opening date.

If written notice of acceptance of this Bid is mailed or delivered to the Bidder within 10 days after the date set for the receipt of this Bid, or other time before it is withdrawn, the Bidder shall execute and deliver to the District a Contract prepared by District with the required Surety Bonds and Certificates of Insurance, within 10 days after personal delivery or deposit in the mail of the notification of acceptance.

Notice of acceptance or request for additional information may be addressed to the Bidder at the address provided.
The undersigned hereby certifies under penalty of perjury under the laws of the State of California that all the information submitted by the bidder in connection with this proposal and all the representations herein made are true and correct.

_____________________________________________ CSLB License No.: _____________ Exp: __________
Firm Name

_____________________________________________ DIR Registration No.: __________________________
Address

_____________________________________________ Phone: _________________________________

_____________________________________________ Email: _________________________________

Authorized Signature             Print Name             Date
SECTION 27 2100 Data Communications Network Equipment

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes: Basic network communications (Ethernet switches) to support TCP/IP network services

B. Base Bid Work

1. The base bid work includes labor, equipment, materials, tools, transportation, storage, temporary protection, installation, insurance, bonds, permits, taxes, software, licenses, integration, inspections, testing, training, warranties, maintenance, and on-site and remote project management for a complete and fully operational network (herein “System”). Coordinate the work of this section with other trades through the General Contractor.

2. Provide required network equipment (including modules, interfaces, etc.) that meet the equipment preferences and design criteria listed later. The equipment includes the following:
   a. Ethernet switch and router modules and interfaces
   b. Power cords of appropriate length and receptacle types
   c. Mounting hardware
   d. Inline Ethernet surge protectors for network connections to exterior devices

3. The work of this section includes the following (described in greater detail in Part 3):
   a. Project management services
   b. Obtain acceptance from project network engineer and owner for equipment/materials list and final system design/configuration
   c. Coordinate installation scheduling with General Contractor
   d. Receive and stage equipment
   e. Mounting and installation of network equipment
   f. Coordinate VLAN and address spaces with other systems and trades
   g. Assist other systems’ integrators with commissioning
   h. Manage integration with owner’s NOC
i. System acceptance testing and turn over to owner
j. As-built documentation

C. Work Provided Under Other Sections
   1. Communications Rooms, including equipment support, power, cooling, and grounding
   2. Patch Cords:
      a. CATEGORY patch cords between the horizontal cabling and access layer switches
      b. Fiber patch cords between the network equipment

D. Related Sections: Comply with the related requirements of the following sections:
   1. Section 270000, “Communications Basic Requirements”
   2. Section 271513, “Communications Horizontal Twisted Pair Cabling”

1.02 REFERENCES
   A. Comply with the References requirements of Section 270000.
   B. In particular or addition to the codes and standards listed in Section 270000, comply with the latest edition of the following applicable specifications and standards except as otherwise shown or specified:
      1. Open system Interconnection (OSI) Reference Model and RFC 3439
      2. Institute of Electrical and Electronics Engineers (IEEE) 802.3 standards
      3. International Standardization Organization (ISO) Network architecture, OSI protocols

1.03 DEFINITIONS
   A. Definitions as described in Section 270000 shall apply to this section.
   B. In addition to those Definitions of Section 270000, the following list of terms as used in this specification defined as follows:
      1. “BDF”: Building Distribution Facility
      2. “CAN”: Campus Area Network
      3. “CDF”: Campus Distribution Facility
      4. “CDR”: Campus Distribution Router
5. “Ethernet”: compliance with IEEE 802.3 standards
6. “Gigabit”: 1x10^9 bits per second
7. “IDF”: Intermediate Distribution Facility
8. “LAN”: Local Area Network
9. “MDF”: Main Distribution Facility
10. “MPOE”: Minimum Point of Entry
11. “NOC”: Network Operations Center (also: network support helpdesk)
12. “PoE”: Power over Ethernet
13. “Router”: OSI layer 3 device
14. “Switch”: OSI layer 2 device
16. “TR”: Telecommunication Room (also: IDF)
17. “VLAN”: Virtual Local Area Network

1.04 SYSTEM DESCRIPTION

A. System Description

1. The network system, herein “system”, shall provide Ethernet network connectivity. The system shall support TCP/IP services over a LAN. The system shall be implemented with proven state-of-the-art technology that can seamlessly integrate with the rapid evolution of technologies and business applications.

2. The system shall reliably provide Ethernet service and performance levels with compatible interface types such as 1000BaseT

3. The Ethernet switch must be hardened

4. Network management software solutions are to be provided and installed. These solutions include at a minimum SNMP polling, SNMP Traps receiver, Utilization reporting, alerting, and Syslog receiver. Server hardware will be provided by owner.

B. Design Criteria

1. The system shall provide 802.3 connectivity meeting or exceeding performance criteria outlined below as follows:

   a. Enterprise grade components

   b. 10/100 mbps copper ports (at least 8-port with PoE+)
c. Hardened

d. Multiple VLAN support

e. Mountable hardware

f. GUI and CLI management interface

g. Monitoring via SNMP and syslog

h. Notification via SNMP traps

i. Power over Ethernet 802.3-2012 Type 1 and Type 2 on all ports

2. The system shall provide network connectivity served from a NEMA 4 enclosure to building IDF via copper Ethernet

3. The system shall support multiple interfaces in a modular architecture so services can be added or removed without requiring new infrastructure or disturbing existing services.

4. The system shall enable services to be added without requiring additional cable

5. The system shall not impede any management features or functionality of any attached network and/or device management system. The system shall allow for proactive management and end-to-end alarming of active electronics. The system shall be able to engage with 3rd party SNMP-based element management systems and provide fault management information.

6. The system shall provide sufficient capacity to meet or exceed the minimum performance design criteria.

1.05 SUBMITTALS

A. Comply with submittal procedural, quantity, and format requirements of Section 270000.

B. Submittal Requirements Prior To Acceptance Testing:

1. Describe in detail the procedure for testing the system’s performance and balancing the system’s signal strength, including a description of the test data (or an example of the test report). Demonstrate the desired services have been successfully deployed and tested.

C. Submittal Requirements at Close Out:

1. As-built drawings submittal

2. Patching documentation

3. Owner written acceptance

4. Network equipment inventory –models, serial numbers, labeling
5. Operations and Maintenance (O&M) manuals

D. Substitutions

1. Requests for substitutions shall conform to the general requirements and procedure outlined in Section 270000.

1.06 QUALITY ASSURANCE

A. Comply with Quality Assurance requirements of Section 270000.

B. Contractor Qualifications

1. The Contractor shall be manufacturer certified to install the proposed and submitted system. Provide satisfactory evidence of certification in the form of a current letter or certificate from the manufacturer as part of the product submittal task for this section.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Comply with Delivery, Storage and Handling requirements of Section 270000.

1.08 WARRANTY

A. Warrant work and system to perform as described within this Section for the period as noted in Division 1.

B. Warrant installed hardware, under normal use and service, to be free of defects and faulty workmanship during the warranty period. Keep the system in operating condition at no additional material or labor costs to the Owner during the warranty period.

C. The manufacturers shall demonstrate that a quality assurance program is in place to assure that the specifications are met.

D. The Contractor shall be certified by the manufacturer to provide the network system.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Comnet / CNGEFE8MSPOE+ managed 8-port hardened switch

B. Comnet / PS-DRA480-48A power supply

C. L-Com NB181608-001 NEMA enclosure

D. DIN Rail kit (within NEMA enclosure)

E. CommScope SYSTIMAX #760033951 (network surge protector)
2.02 SUBSTITUTIONS

A. Comply with the Substitution requirements of Section 270000.

PART 3 - EXECUTION

3.01 GENERAL

A. Comply with the Execution requirements of Section 270000.

3.02 EXAMINATION AND PREPARATION

A. Prior to the start of this Section’s work, examine telecommunications rooms for completeness, compatibility with the work of this section, and readiness for receiving the equipment of this section.

3.03 INSTALLATION

A. Project Management Services: Assign a single-point-of-contact to this project with overall responsibility for communications and ultimate delivery of contracted materials, installation, performance criteria, and services – “PM”. This PM shall be responsible for interfacing with the owner, General Contractor, trade contractors, Engineer, and their own subcontractors. The PM shall present the design iterations to the owner, coordinate equipment layout and cable routes with the Engineer, coordinate on-site construction activities with the General Contractor, manage the process to coordinate bringing equipment into the facility, and close out the project with the owner.

B. Review space allocated to network equipment, power service (including voltage, phases, amperage, receptacle types, and placement), and cooling provisions are sufficient to support the installation.

C. Prior to the start of installation, coordinate installation activities and sequence and the installation schedule with the owner and General Contractor. Once the owner and General Contractor have accepted the installation plan and schedule, the Contractor may proceed with installation.

D. Coordinate with the General Contractor the following: on-site technician scheduling, access to the site/facility, access into telecom rooms, equipment receiving and staging, “room ready” inspections, power, cooling, and security of installation spaces.

E. Install equipment grounding following manufacturer recommendations.

F. Change default passwords in accordance with manufacturer and owner recommendations.
G. Install latest security patches in accordance with manufacturer and owner recommendations.

H. Disable unused communication ports, protocols and access accounts in accordance with manufacturer and owner recommendations.

I. Coordinate integration with owner’s NOC: Coordinate and configure new equipment integration with the owner’s production network. IP address assignment, VLANs, QOS, network management passwords, and configuration details and acceptance testing will need to be coordinated with owner’s NOC.

J. Assist owner with integration of new network equipment into owner’s network management system. This effort should include configuring and restricting SNMP community strings and traps within equipment configurations.

3.04 CONNECTIONS TO SYSTEM

A. Coordinate and install connections to owner-provided Telco services such as Internet. This includes working with ISPs and local facilities for circuit delivery.

B. Assist with the integration of 802.11 wireless services, such as wireless LAN access points. Provide support to the wireless services and make adjustments to the system as necessary for full operation.

C. Assist with the integration of the electronic security system and video surveillance system. Coordinate and provide TCP/IP addresses, ports, VLANs, TCP/IP and multicast routing configurations on the network equipment. Install Ethernet surge protectors at switch for exterior devices.

D. Assist with the integration of the AV system. Coordinate and provide TCP/IP addresses, ports, VLANs, TCP/IP and multicast routing configurations on the network equipment.

E. Assist with the integration of other systems’ network connectivity (such as BMS system) as needed: Coordinate and configure VLAN and address spaces on network equipment to support other systems and trades.

F. Coordinate PoE with technology commissioning teams to ensure that the switches have adequate power to support end devices. For example: many exterior security cameras will require Type 2 PoE, which may exceed the port or switch capacity.

3.05 LABELING

A. General Requirements

1. Labeling, identifier assignment, and label colors shall conform to ANSI/TIA-606-B and as approved by owner’s representative before installation.
2. Coordinate labeling and identifier assignment with the Engineer or owner. Submit a labeling plan to the Engineer for approval prior to labeling work.

3. Permanent labels with machine-generated text (hand written labels will not be accepted).

3.06 SYSTEM ACCEPTANCE TESTING AND TURN OVER TO OWNER

A. Complete the acceptance testing as prescribed in the accepted testing procedures submittal.

B. After successfully completing system testing, present the completed system to the owner. Demonstrate to owner and engineer network functionality, operation, features, performance, and connectivity. Where applicable, provide access details (TCP/IP addresses and passwords) for owner support staff to access and control equipment.

C. Submit one set of electronic records and printed records.

3.07 EXTENDED SUPPORT SERVICES

A. Provide a 90 day warranty period following the owner’s acceptance of the system.

B. Provide 8x5xNBD SmartNet (or equivalent) support services for 12 months following the owner’s acceptance of the system.

3.08 FINAL INSPECTION AND CERTIFICATION

A. Punch the Work of this Section compliant to the requirements of Section 270000.

B. Comply with system acceptance and certification requirements of Section 270000.

3.09 SYSTEM TRAINING

A. Comply with training requirements of Section 270000.

B. For this system, provide 2 hours of training for owner, including functionality, features, ongoing maintenance, and warranty procedures.

END OF SECTION