DOCUMENT 00 00 14

ADDENDUM NO. 4
September 5, 2024

Customs and Border Protection (CBP) Federal Inspection Service (FIS) Facility Renovation
City of Duluth Project No. 24-4401
Duluth International Airport
Duluth, MN

SEH No. DULAI 170389

From: Short Elliott Hendrickson Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110-3507
651.490.2000

To: Document Holders

DOCUMENT HOLDERS on the above-named project are hereby notified that this document shall be appended to, take precedence over and become part of the original bidding documents dated August 2024, and previous addenda dated August 20, 2024, August 28, 2024, and August 30, 2024, for this work. Bids submitted for the construction of this work shall conform to this document.

This addendum consists of 25 total pages including ATTACHMENT 1 consisting of 22 pages.

Changes to Bidding Requirements:

1. Document 00 11 13 Advertisement for Bids: Update Bid Opening to occur on September 19, 2024 at 2pm.
2. Document 00 41 Bid Form: Update Bid Opening to occur on September 19, 2024 at 2pm.
3. Document 00 41 00 Bid Form, Article 2.01: Update date to September 18, 2024 at 1pm to have the Bid Surety emailed to purchsing@duluthmn.gov.

Changes to Specifications:

4. 28 20 00 – Video Surveillance Systems, REPLACE with document in **ATTACHMENT 1** from Michaud Cooley Erickson. See **ATTACHMENT 1** for described changes to specification.

Changes to Drawings:

5. See **ATTACHMENT 1** for changes to drawings and descriptions of changes from Michaud Cooley Erickson. Drawings changed include:
    a. ED100 – FIRST LEVEL ELECTRICAL DEMOLITION PLAN – AREA A
    b. ED200 – SECOND LEVEL ELECTRICAL DEMOLITION PLAND – AREA A
    c. E100 – FIRST LEVEL ELECTRICAL FLOOR PLAN – AREA A
    d. E200 – SECOND LEVEL ELECTRICAL FLOOR PLAN – AREA A
    e. E300 – ELECTRICAL SCHEDULES
    f. S100 – FIRST LEVEL SECURITY FLOOR PLAN – AREA A
    g. S200 – SECOND LEVEL SECURITY FLOOR PLAN – AREA A
    h. S201 – SECOND LEVEL SECURITY FLOOR PLAN – PASSENGER BOARDING BRIDGE
    i. S300 – CAMERA SCHEDULE AND DETAILS

j. T100 – FIRST LEVEL TELECOMMUNICATIONS FLOOR PLAN – AREA A

k. T200 – SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN – AREA A

l. T201 – SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN – PASSENGER BOARDING BRIDGE

Clarifications and Questions

1. Is there a D120 sheet? It is called out on sheet D102.
   a. Sheet D120 was removed during design. Strike reference to detail 1/D120.

2. Is there a mounting detail for the signs shown on A650? I see the sign framework is to be cut in half lengthwise, but there isn't any info on mounting them to the wall.
   a. This will be delegated design by the signage contractor. We recommend 1/8" aluminum bent plate on back side of modified sign, then screw fastened into existing metal stud framing.

3. Who is providing the access control equipment?
   a. Citon

4. There is a specification section for new detention furniture but there does not appear to be any new detention furnishings shown on the plan set. Please confirm.
   a. There is no new detention furniture. There is other furniture, such as is noted on keynote A55C.

5. Note 6 on sheet A501 adds coat hooks to doors in offices, change rooms, toilets and bathrooms. Please confirm a total count for rooms to receive coat hooks.
   a. It is a general note; there are no coat hooks added in this project.

6. Citon is providing the cameras and access control equipment. Is the intent to have Citon contract direct with the owner, or with the electrical contractor?
   a. The owner will contract Citon directly.

7. Is the intent to remove existing card readers and replace with new, utilizing the existing cabling and controls?
   a. All existing cabling and controls can be reused. Conduit and cabling should be extended where needed.

8. The camera and access control equipment may have long lead times. The specs state there is only a 90-day contract period with liquidated damages thereafter. How strict is the 90-day contract period, and is there the ability to extend the contract period to allow for equipment and material lead times?
   a. We understand there will be lead times on materials and equipment. We anticipate the first 2-4 months of the project will be for shop drawing submittal and ordering of materials. When sufficient materials are on hand or in route for delivery, we will then issue the Notice to Proceed starting the 90-day contracting period.

NOTE: Receipt of this Addendum No. 4, dated September 5, 2024 shall be acknowledged on Bid Express. Failure to do so will not allow Bidder to submit Bid.

END OF ADDENDUM

ATTACHMENT 1

Summary of Work – Addendum 4

Project	Duluth International Airport Terminal Federal Inspection Service Facility Renovation
Date	September 4, 2024
To	Duluth Airport Authority
From	Connor Byram
MCE Project No	MD076000

Addendum No. 4

Changes to the Drawings

Electrical

1. ED100 – FIRST LEVEL ELECTRICAL DEMOLITION PLAN – AREA A
   a) Revised location of (2) demolished cameras.
   b) Demolished (4) existing cameras.
   c) Removed demolition of (1) camera in Search 169.
2. ED200 – SECOND LEVEL ELECTRICAL DEMOLITION PLAN – AREA A
   a) Demolished (5) existing cameras.
   b) Removed demolition of (4) cameras.
3. E100 – FIRST LEVEL ELECTRICAL FLOOR PLAN – AREA A
   a) Removed (2) power pole and receptacles for Secondary podiums.
   b) Revised panel for (3) new branch circuits.
4. E200 – SECOND LEVEL ELECTRICAL FLOOR PLAN – AREA A
   a) Revised panel for (5) new branch circuits.
5. E300 – ELECTRICAL SCHEDULES
   a) Replaced RP-1C panel schedule with panel ERP-2D.
6. S100 – FIRST LEVEL SECURITY FLOOR PLAN – AREA A
   a) Revised keynotes S3B, S4, S5A, S5B, S5C, S49, S52B, and S110.
   b) Removed keynote S77.
   c) Added keynote S111.
   d) Added view for the tug drive.
   e) Added (1) new camera in the tug drive.
7. S200 – SECOND LEVEL SECURITY FLOOR PLAN – AREA A
   a) Revised keynotes S3B, S4, S5A, S5B, S5C, S49, S52B, and S110.
   b) Removed keynote S77.

333 South 7th Street
Suite 1200
Minneapolis, Minnesota 55402

Main: (612) 339-4941
Fax: (612) 339-8354
www.michaudcooley.com

Michaud Cooley Erickson

c) Added keynote S111.
d) Moved (1) new camera onto the passenger ramp.
e) Added (2) new fixed cameras to the passenger ramp.
f) Added (1) new PTZ camera to the passenger ramp.

8. S201 – SECOND LEVEL SECURITY FLOOR PLAN – PASSENGER BOARDING BRIDGE
   a) Revised keynotes S3B, S4, S5A, S5B, S5C, S49, S52B, and S110.
   b) Removed keynote S77.
   c) Added keynote S111.
   d) Added (2) new cameras underneath the passenger boarding bridge.
9. S300 – CAMERA SCHEDULE AND DETAILS
   a) Added new cameras to camera schedule.
10. T100 – FIRST LEVEL TELECOMMUNICATIONS FLOOR PLAN – AREA A
    a) Removed (2) power pole and receptacles for Secondary podiums.
    b) Revised general notes.
    c) Added view for the tug drive.
    d) Added (1) data for new camera in the tug drive.
11. T200 – SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN – AREA A
    a) Revised general notes.
    b) Moved (1) new data for camera onto the passenger ramp.
    c) Added (3) new data for cameras onto the passenger ramp.
12. T201 – SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN – PASSENGER BOARDING BRIDGE
    a) Revised general notes.
    b) Added (2) new data for cameras underneath the passenger boarding bridge.

Changes to the Specifications

Electrical

1. 28 20 00 – Video Surveillance Systems
   a) Added Citon as acceptable system supplier.
   b) Removed camera manufactures and part numbers.

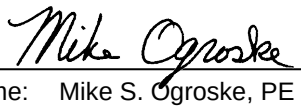
END OF MCE SUMMARY OF WORK

SECTION 00 01 05

CERTIFICATION

ELECTRICAL ENGINEER'S CERTIFICATION:
MICHAUD COOLEY ERICKSON

I hereby certify that the plans and specifications for Electrical Work were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Date: 04 September 2024

Signature: 

Printed Name: Mike S. Ogroske, PE License No. 54899

END OF DOCUMENT

SECTION 28 20 00

VIDEO SURVEILLANCE SYSTEMS

PART 1 GENERAL

1.1 WORK INCLUDES

A. This section provides information on the DAA cameras, recording requirements and associated field wiring required to implement cameras within the facilities of the Metropolitan Airports Commission.

B. DAA has implemented a CCTV upgrade program that utilizes IP communications for all cameras deployed within the airport terminals and other DAA buildings. A common recording platform is defined and shall be utilized for recording and providing viewing of CCTV information.

C. The system incorporates video technologies. The installed system has two major software components, the video Management System (VMS) and the Physical Security Information Management System (PSIM). Architecturally, the PSIM serves to provide interfaces to a variety of disparate systems, one of which is the VMS. The VMS is responsible for recording and managing the video images acquired by cameras deployed throughout the airport.

1.2 SPECIAL SUBCONTRACTORS

A. The Division 27 Contractor shall contract with a certified installer to install all cameras, associated field equipment and wiring. The certified installer will provide the following services:

1. Provide all cameras, camera licenses and associated equipment required to meet the design specification.
2. Terminate configure and perform final testing on all cameras.
3. Division 27 bidder shall include in Division 27 bid all costs for Certified Integrator’s time (at premium off-hours time) via the unit price identified on the bid form.
4. All cameras provided in the project shall be imported into the DAA’s GIS camera mapping system.

1.3 SUBMITTALS

A. Partial submittals are not acceptable. Submit all documentation in accordance with Conditions of Contract and Division 1 Specification Sections as well as this section. Where there is a conflict the more stringent will apply.

B. Product Data: For each type of product indicated. Include dimensions and data on features, performance, electrical characteristics, ratings, warranty, and finishes.

1. Product Data sheets containing more than one (1) device or component model number shall be clearly marked to delineate items included.

C. Shop Drawings: Include plans, elevations, sections, details, panel wiring schematics and attachments to other work.

1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
2. Functional Block Diagram: Show single-line interconnections between components for signal transmission and control. Show cable types and sizes.
3. Wiring Diagrams: Show power, signal, and control wiring.

D. Equipment List: Include every piece of equipment by model number, manufacturer, serial number, location, and date of original installation. Add pretesting record of each piece of equipment, listing name of person testing, date of test, set points of adjustments, name and description of the view of preset positions, description of alarms, and description of unit output responses to an alarm.

E. Asset Labeling: Include asset information according to the Division 27 Contract Closeout standard regarding Asset Labeling or contact the IS Help Desk at 612-726-8183 for details.

F. Installation Work Plan: Submit for approval by the Engineer a proposed plan detailing how the Work will be accomplished, highlighting minimal interruption to ongoing passenger and aircraft activities. The plan shall provide the daily work schedule, details for the protection of existing equipment, cleanup of work areas and restoration of exposed ceilings on a daily basis, and other activity that assures continuity of Airport operation with minimal impact on airlines, tenant and passenger activities. The plan if accepted by the Engineer will be the basis for managing the timeline of the project at future review meetings. Any deviations from the agreed upon timeline must be responded to by indicating the nature of the delay and include a plan by the Integrator to bring the project back to schedule.

G. Testing Plan: Submit for review and approval, by the Engineer or designated representative a test plan prior to substantial completion. The test plan shall detail test procedures and test reports that indicate testing methods, testing device calibration, and interpretations of test results for Field Acceptance Tests. The test plan shall detail the objectives of all tests. The tests shall clearly demonstrate that the CCTV system and its components fully comply with the requirements specified herein.

H. Field Documents

1. Field-Record Documentation shall include information required in the Shop Drawing Submittals but revised with hand-marks by the Integrator to reflect “as installed” conditions. The documents shall be updated daily to reflect the most recent installation activity. The documents shall be kept on-site and be made available for inspection by the Engineer during a site visit.
2. Fifteen (15) days prior to the Scheduled Final Acceptance testing, submit one (1) copy of the Field Drawings to the Engineer for field verification.
3. Update all documentation to reflect changes or modifications made during final acceptance testing as required and submit finalized “Record” Drawings. The Documentations shall be submitted to the Owner for review within forty-five (45) days after final acceptance. Receipt and approval of Field Documents is a prerequisite to release of retention and final payment.

1.4 QUALITY ASSURANCE

A. The manufacturer of all hardware and software components employed in the system shall be established vendors to the access control/security monitoring industry for no less than five (5) years.

B. The security system integrator shall have been regularly engaged in the installation and maintenance of integrated access control systems similar in size and scope to that outlined herein for a period of no less than five (5) years.

C. The system manufacturer and supplier shall be able to provide complete engineering, technical and support services to properly complete the project as designed. The manufacturer and supplier shall provide.

1. Project management as required by engineer and owner.
2. Complete project testing and training to the engineers and Owners satisfaction.
3. Service personnel to be factory trained on the equipment to be provided on the project.
4. Maintain inventory levels to provide service parts as required by the specification.

D. Provide a security system conforming to the requirements of the latest edition of the following publications including all amendments to these publications.

1. 70 National Electrical Code

E. Construct and install all equipment in accordance with Underwriters Laboratories Inc. (UL) and the Americans with Disabilities Act (ADA).

F. Manufacturer's Representative: Provide the services of a representative or technician from the manufacturer of each system, experienced in the installation and operation of the type of system provided. The technician shall supervise installation, software documentation, adjustment, preliminary testing, final testing and certification of the system. The technician shall provide the required instruction to the Owner's personnel in the system operation, maintenance and programming. Qualifying integrator shall meet the following:

1. Staff a minimum of four (4) certified camera product technicians.
2. Staff a minimum of four (4) Verint Certified Technicians.
3. Has successfully completed a minimum of three (3) systems of 500 IP camera devices.
4. Has successfully supported a minimum of three (3) Enterprise level software deployments.
5. Is an approved state contract vendor.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURES

A. Equipment manufacturers indicated in the design documents, are approved for bidding purposes on this project. Approval for substitution of alternative manufacturers will not be acceptable, and any requests submitted to the engineer for review and approval will be returned to the submitting contractor.

2.2 ACCEPTABLE SYSTEM SUPPLIER

A. Citon

1. www.citon.com

2.3 FIXED DOME CAMERA – INDOOR/OUTDOOR

A. Impact-resistant, fixed camera dome shall incorporate a fixed camera/lens combination. The camera polycarbonate dome shall be available for indoor/outdoor, ceiling or wall mounting configurations. The high-resolution IP camera shall be available with an autoiris, varifocal lens. A clear impact-resistant dome shall be included. The camera shall support for digital pan/tilt/zoom

B. Basic ceiling mounted version shall be designed to mount into any dropped or hard ceiling having the capacity to support the dome's weight. There shall be an optional mounting kit for ceilings not able to support the dome's weight. A pendant housing option shall be available. The housing shall provide a 1-1/2 inch NPT pipe thread fitting for pipe mounting.

C. The camera position shall have a three-direction adjustment, allowing for adjustment of pan, tilt, and lens rotation (roll), for any angle of view required.

D. The camera lens shall rotate a full 170° on its axis, enabling unobstructed views at 0° and 90°.

E. Camera Specifications:

1. Imaging Device/Sensor: 1/3" MOS or CMOS image sensor
2. Resolution: 1920x1080
3. Video Stream: H.264, MJPEG
4. IR/LED: IR LED
5. Wide Dynamic Range: Yes

6. Minimum illumination: Color: 0.05 lx, BW: 0 lux with IR illumination on
7. Lens/Focal Length: 2.8-10mm
8. Field of View:
    a. Horizontal field of view: 30° - 108°
    b. Vertical field of view: 17° - 58°
9. SDXC/SDHC/SD Memory Card Slot: Yes
10. I/O: NA
11. Network: 10BASE-T/100BASE-TX RJ45 Connector
12. PoE Class/Power: IEEE802.3af PoE 12.95 W
13. Operating Temperature: -40° to +122° Fahrenheit.
14. Water and Dust Resistance: IP66- and NEMA 4X- Rated.

2.4 PTZ DOME CAMERA- INDOOR/OUTDOOR

A. I-resistant, PTZ camera dome shall incorporate a movable camera/lens combination providing 30x optical zoom. The camera polycarbonate dome shall be available for ceiling or wall mounting configurations. The high-resolution IP camera shall be available with a 360 degree pan for camera repositioning. A clear impact-resistant dome shall be included

B. Basic ceiling mounted version shall be designed to mount into any dropped or hard ceiling having the capacity to support the dome's weight. There shall be an optional mounting kit for ceilings not able to support the dome's weight.

C. The camera position shall have 360 degrees endless Panning, allowing for adjustment of pan, tilt, for any angle of view required.

D. Camera Specifications:

1. Imaging Device/Sensor: ½.8" MOS
2. Resolution: 1920x1080
3. Video Stream: H.264, MJPEG
4. IR/LED: IR Filter
5. Wide Dynamic Range: Yes
6. Minimum Illumination: Color: 0.015 lux B/W: 0.006 lux
7. Lens/Focal Length: 4.25–170 mm
8. Field of View: Horizontal field of view: 65°–2.1° Vertical field of view: 39°–1.2°
9. SDXC/SDHC/SD Memory Card Slot: Yes
10. I/O: 3 I/O Input/Outputs
11. Network: 10BASE-T/100BASE-TX RJ45 Connector
12. PoE Class/Power: IEEE802.3at PoE+ 25.5 W
13. Operating Temperature: -10°C to +55°C (14 °F to 131 °F) Humidity 10-90%
14. Water and Dust Resistance: IP66
15. Shock Resistance: IK10

PART 3 EXECUTION

3.1 INSTALLATION

A. General:

1. The electrical contractor shall furnish and install a complete and fully operational closed circuit television system as described herein and as shown on the drawings.
2. Equipment shall be installed and wired in accordance with accepted engineering and installation practices.
3. The electrical contractor shall furnish all conduit, terminal cabinets, junction and outlet boxes, wiring, etc. required to provide complete and operational system.
4. Check equipment against approved equipment schedule upon delivery. Store equipment to protect against loss or damage.
5. Equipment to be applied to metal shall be installed utilizing a template. Template drawings and schedule shall be supplied to the appropriate fabricator or installer.

6. Equipment shall be completely fitted before final coat of paint or other finish is applied and then removed. Permanently install equipment after finishing operations are complete and dry.
7. All materials, equipment, components and devices shall be new and unused, of current manufacture, standard design and the best of their representative kind (i.e., manufacturer's latest design) where specified. The Owner or his representative must approve all devices. Custom designed or custom modifications of standard products may be permitted at the sole discretion of the Owner.
8. Workmanship shall be of the highest standard using current practices.
9. All materials, equipment, components and devices shall be rated at the voltage, current and frequency for use on the power supply or source to which they are connected. All equipment shall have UL approvals (except were allowed by the Owner), and are designed and manufactured for the intent specified.
10. Video test images shall be utilized to determine the optimum location of all camera locations.

B. All camera housings raceway, and other exposed devices in elevators shall be securely mounted and fastened using correction-grade requirements.

C. All installations shall comply with DAA electrical installation standards.

D. Labeling: All switches, controls and indicators shall be clearly labeled and permanently etched or engraved legends which will make their function clear, and which corresponds to the nomenclature used in equipment operating and service manuals.

E. Conduit: The complete closed circuit television system will be installed in conduit. All conduit shall be securely fastened to the permanent building structure.

F. System Wiring:

1. Cable and wiring shall be installed in conduit.
2. Install cable in unbroken lengths between designated terminations.
3. All splices shall be made in an approved manner and shall be located only in junction boxes. No splices are permitted in conduits or raceways. Wires required to be spliced shall be terminated on a miniature distribution block mounted in a junction box.
4. When splicing shielded cables, continuity and isolation of the shield shall be maintained throughout the circuit. Shield wires shall be grounded at the remote device locations only. Shield in junction or termination boxes shall be insulated and isolated as to provide only one ground point. They will not be grounded at the security equipment racks.
5. All cable and wiring shall be identified and tagged with permanent type markers to denote component and location served. Label each cable at both ends. Apply cable ID's to match existing system or as directed by owner.
6. Provide conductor gauge and counts as recommended by the manufacturer. Install strictly according to equipment manufacturer's installation instructions.
7. All conductors which are terminated shall have a heat shrink sleeve applied prior to termination.

G. Grounding: All equipment is required to have the appropriate grounding per code and manufacturer requirements. Where provided, the security contractor will install, using the appropriate cable gauge and cable type, to the building ground system. Building steel maybe used as an authorized termination point if approved by the Owner. The Owner reserves the right to review all grounding concepts and require replacement or upgrade to the grounding system at no additional cost to the Owner.

H. Uniformity of Equipment Erection: The specification and drawings are diagrammatic only, the location of apparatus and equipment being approximate only. Before commencing work, the security contractor and electrical contractor shall verify the exact position of equipment to be installed by reference to the architectural drawings and coordination with the owner. It is the responsibility of the security contractor and electrical contractor to ensure that all equipment and materials provided by the security contractor fit into the provided spaces. The Security Contractor must take into consideration the requirement for maintenance and other factors effecting installation. ADA requirements are to be met to the fullest extent possible.

I. Power: The electrical contractor shall provide all 120 VAC for the requirements of the complete system. The closed circuit television supplier shall provide all 120 VAC power requirements to the bidding electrical contractors.

J. Cameras: All cameras will be verified and approved with the owners' representatives prior to any installation work being performed. Any cameras that are installed without the owners' approval and requires adjustment by the owner shall be relocated at no additional cost to the owner.

K. Camera Lenses: Contractor shall field verify lens size at time of installation by a visual test with the engineer and a representative of the Owner. Lens changes made as a result of this test shall not result in a cost increase to the Owner unless a substantial change is required. Substantial shall be considered to be wider than 4.5 mm or more telephoto than 36 mm.

L. CCTV Monitors: Provide coordination with the Owner's representative and all required programming to provide the camera viewing and sequence of operation of all connected cameras.

3.2 TESTS AND ADJUSTMENTS

A. Upon completion of the installation phase, the supplier shall thoroughly test and adjust the system to insure proper operation.

B. Each and every function and feature of the system shall be tested at this time.

C. Where required, appropriate correction(s) and adjustments shall be made.

D. Contractor will submit a testing report of the results of the Contractor testing to the Engineer.

3.3 TRAINING

A. The suppliers shall provide a minimum of four (4) hours of training for the system to the Owner's operating personnel. The time's selected for training shall be available during times convenient to the owners and during first, second and third shifts.

B. The supplier shall provide the Owner with forms and schedules for organization and documentation of all system operating parameters.

3.4 AS-BUILT DOCUMENTATION

A. The Contractor shall furnish to the construction coordinator complete as-built manuals. These shall be assembled in loose-leaf binders and shall contain the following:

1. Upon completion of the installation, record drawings shall be submitted on the system before final acceptance of the work. The contractor shall furnish to the Engineer a set of record drawings including system diagrams for the system. Manuals shall be dated when work was completed and must be turned over to Owner within 30 days of completion.

B. The Contractor shall furnish to the Owner complete as-built manuals. The manual shall be legible and easily read with large drawings contained with the manuals. These shall be assembled in loose-leaf binders with professionally labeled tabs, and shall contain the following:

1. Cover: The following information shall be inscribed on the cover:

a. "OPERATION AND MAINTENANCE MANUAL."
b. Building location.
c. The name of the contractor, system manufacturer and system subcontractor.
d. The name and phone number of the monitoring station responding to alarms at the project location.

2. Typewritten Project Description.
3. System maintenance manuals and maintenance instructions.
4. Name, address and phone number of the responsible service organization.
5. Approved shop drawing data sheets.
6. As-built system wiring diagram: A corrected riser drawing originally submitted with the shop drawings will be included. All changes in equipment, locations, circuits, will be identified. Provide information on the conductor type and colors that were installed.

    a. The record drawing masters shall be scaled, uniformly sized, and produced on printed bond paper. Drawing files shall also be presented on a CD-ROM disk in AutoCAD.

7. Operation and Maintenance Data: It is intended that the operation and maintenance manuals be exhaustive in the coverage of the system to the extent that they may be used as the sole guide to the troubleshooting, identification, and repair of defective parts for cameras, power supplies, infrared illuminators, monitors, workstations, network video recorders, control-station components and all products provided under this contract. In addition to items specified in Division 1 Section "Operation and Maintenance Data," include the following.

    a. Lists of spare parts and replacement components that are to be stored at the site by the Integrator for ready access.
    b. Detailed wiring diagrams, schematics, and functional details such that any component, wire, or piece of equipment in the system may be easily identified by going to the actual equipment and making reference to this manual. The maintenance manuals shall contain adjustment procedures, component location diagrams and replacement parts identification. All references to equipment not supplied on this Project shall be crossed out. Maintenance schedules for all installed components shall include inspections and preventative maintenance schedules, and documentation of all repaired or replacement procedures including power-up and power down sequences.

3.5 PRE - CHECK OUT

A. The Contractor shall verify the following before scheduling the system demonstration.

1. System installation is complete.
2. System is fully operational and tested.
3. Programming is complete and functioning to the satisfaction of the Owner.

3.6 FINAL CHECKOUT AND ACCEPTANCE

A. The Contractor shall verify the following before requesting final approval.

1. Owner training is complete.
2. As-built documentation is complete and turned over to the Engineer.

B. The supplier shall be available to demonstrate the operation and use of the system to the Architect/Engineer and to the Owner's representatives.

C. Final acceptance of the system will be given upon completion of all of the above requirements.

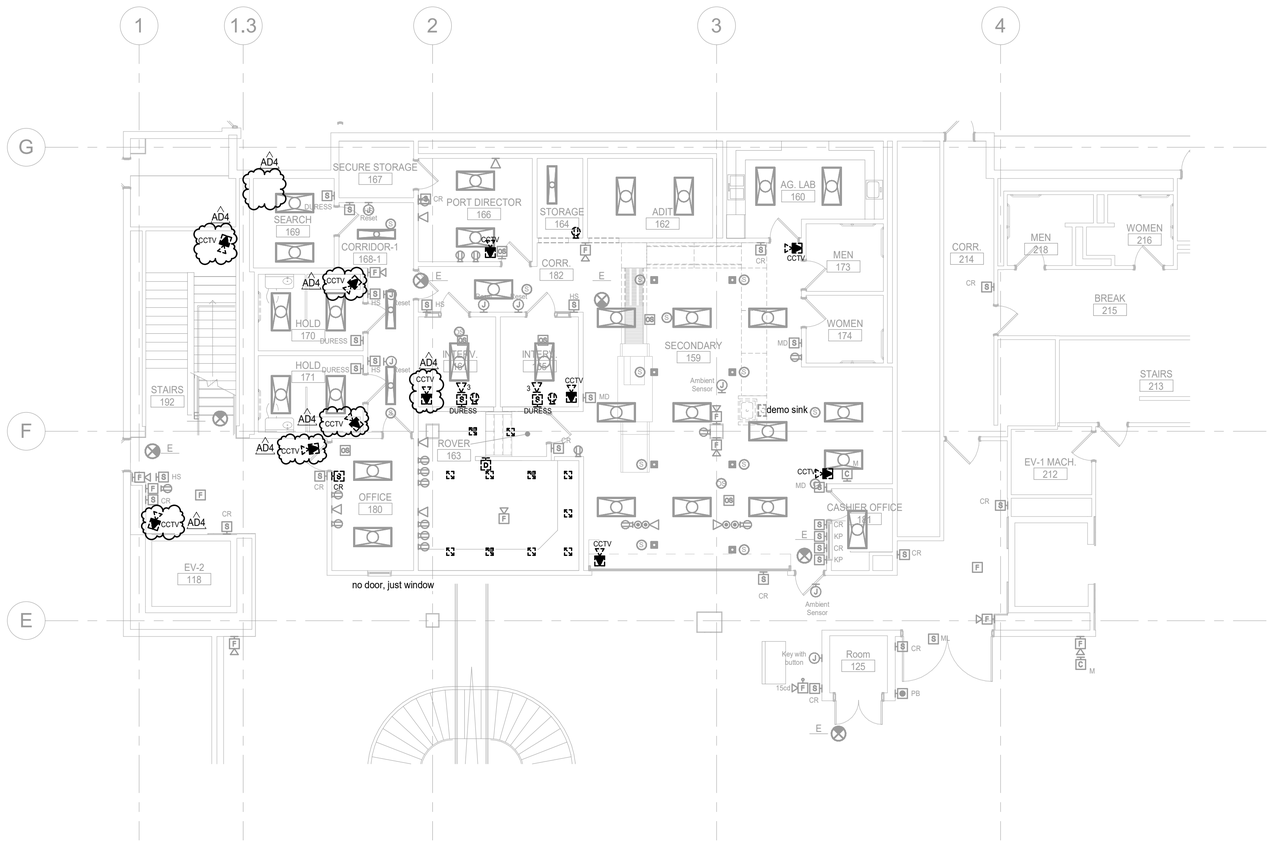
3.7 SYSTEM GUARANTEE

A. The system supplier shall, in conjunction with the system manufacturer, provide a complete parts and labor warranty for the system. The warranty period shall commence on the date of final acceptance and shall continue for a period of one (1) year. During this period, the system supplier shall provide all materials and labor required to correct any system malfunction or failure at no charge to the Owner. This warranty shall cover any system malfunction or failure except those which are caused by negligence, abuse, or misuse.

3.8 MAINTENANCE

The system supplier shall be a local authorized service agent for the system and shall maintain a local service organization which is available to perform testing, inspection, maintenance and repair of the system.

END OF SECTION



1 FIRST LEVEL ELECTRICAL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SPECIFICATION SECTION 26 05 05 SELECTIVE DEMOLITION FOR ELECTRICAL SYSTEMS FOR ADDITIONAL INFORMATION.

B. INSPECT SITE BEFORE SUBMITTING A PROPOSAL FOR THE PROJECT. CONTRACTOR AND SUBCONTRACTORS SHALL EXAMINE THE SITE OF PROPOSED WORK AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND LIMITATIONS AFFECTING THE PERFORMANCE OF THEIR WORK.

C. ALL EXISTING EQUIPMENT, DEVICES, AND LIGHTS INDICATED ON PLAN WERE TAKEN FROM EXISTING PLANS AND/OR FIELD OBSERVATION, AND SHALL NOT BE CONSIDERED 100% ACCURATE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SYSTEMS PRIOR TO BIDDING. NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT THE WORK UNDER THIS CONTRACT.

D. ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY OF ADJACENT CIRCUITS THAT REMAIN TO DOWNSTREAM DEVICES/EQUIPMENT. RE-ROUTE CONDUIT AND WIRING AS NECESSARY.

E. ALL ELECTRICAL DEVICES THAT HAVE BEEN INDICATED TO BE DISCONNECTED AND REMOVED ARE TO BE TURNED OVER TO THE OWNER UNLESS INDICATED OTHERWISE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL UNDESIRED ITEMS.

F. WHEN REMOVING DEVICES, REMOVE ALL BRANCH CIRCUIT WIRING, FEEDER WIRING, LOW VOLTAGE CABLING, AND CONDUIT BACK TO SOURCE. VERIFY PANEL AND BRANCH CIRCUIT NUMBERS OF THE CIRCUITS BEING REMOVED. TAG BRANCH CIRCUIT BREAKERS MADE SPARE DURING DEMOLITION.

G. MAINTAIN FIRE RATING WHERE CONDUIT, DEVICES, ETCETERA ARE DEMOLISHED FROM A FIRE RATED STRUCTURE. FIRE PROOF ALL PENETRATIONS. SEE SPECIFICATIONS FOR APPROVED MATERIALS.

H. REMOVE ALL EXISTING LOW VOLTAGE SYSTEMS CABLING NO LONGER BEING UTILIZED FROM AREAS OF DEMOLITION. SYSTEMS MUST REMAIN OPERATIONAL IN AREAS THAT ARE NOT BEING REMODELED.

I. THE ELECTRICAL CONTRACTOR SHALL PATCH AND PAINT AFFECTED AREAS TO MATCH EXISTING SURFACES AT ALL LOCATIONS WHERE ELECTRICAL DEMOLITION OCCURS.

J. ANY EXPOSED (AND/OR "VISIBLE TO THE PUBLIC") CONDUIT SHALL BE APPROVED BY THE OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION. PRIME, PREPARE, AND PAINT CONDUIT TO MATCH EXISTING ARCHITECTURAL FINISH.

K. ELECTRICAL CONTRACTOR TO FIELD CERTIFY THAT ALL ELECTRICAL CONDUIT IN THE CONSTRUCTION AREA THAT REMAINS IS PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODES. IF CONDUIT IS NOT PROPERLY SUPPORTED, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL NECESSARY COMPONENTS REQUIRED TO THE PROVIDE A CONDUIT INSTALLATION THAT MEETS ALL APPLICABLE CODES.

NORTH

9/3/2024 9:38:08 AM

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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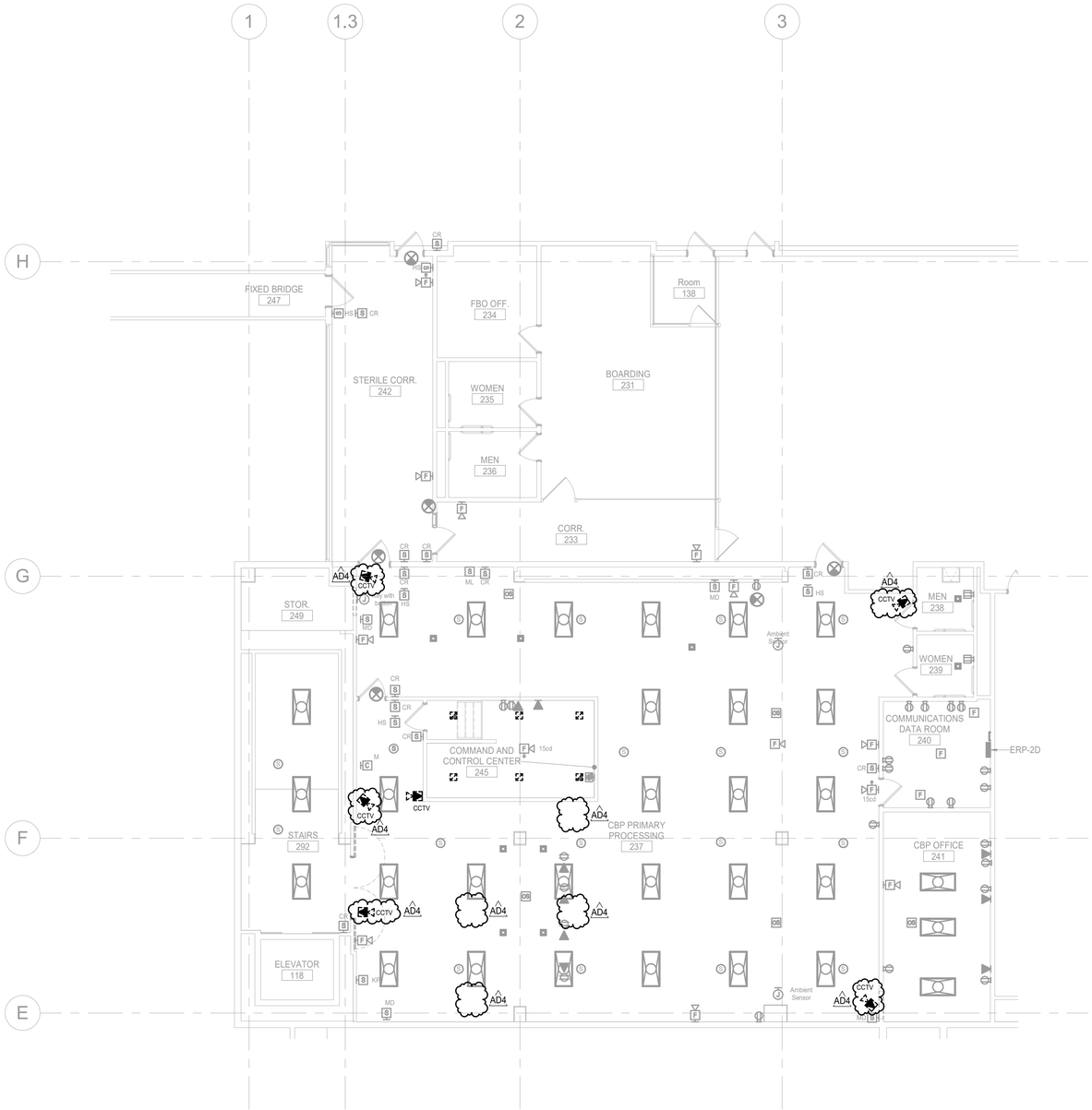
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REVISION SCHEDULE

REV. #	DESCRIPTION	DATE
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	Addendum 4	09/04/24

FIRST LEVEL ELECTRICAL DEMOLITION PLAN - AREA A

ED100



1 SECOND LEVEL ELECTRICAL DEMOLITION PLAN - AREA A

1/8" = 1'-0"

9/3/2024 9:38:11 AM

GENERAL NOTES

A. REFER TO SPECIFICATION SECTION 26 05 05 SELECTIVE DEMOLITION FOR ELECTRICAL SYSTEMS FOR ADDITIONAL INFORMATION.

B. INSPECT SITE BEFORE SUBMITTING A PROPOSAL FOR THE PROJECT. CONTRACTOR AND SUBCONTRACTORS SHALL EXAMINE THE SITE OF PROPOSED WORK AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND LIMITATIONS AFFECTING THE PERFORMANCE OF THEIR WORK.

C. ALL EXISTING EQUIPMENT, DEVICES, AND LIGHTS INDICATED ON PLAN WERE TAKEN FROM EXISTING PLANS AND/OR FIELD OBSERVATION, AND SHALL NOT BE CONSIDERED 100% ACCURATE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SYSTEMS PRIOR TO BIDDING. NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT THE WORK UNDER THIS CONTRACT.

D. ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY OF ADJACENT CIRCUITS THAT REMAIN TO DOWNSTREAM DEVICES/EQUIPMENT. RE-ROUTE CONDUIT AND WIRING AS NECESSARY.

E. ALL ELECTRICAL DEVICES THAT HAVE BEEN INDICATED TO BE DISCONNECTED AND REMOVED ARE TO BE TURNED OVER TO THE OWNER UNLESS INDICATED OTHERWISE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL UNDESIRED ITEMS.

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K. ELECTRICAL CONTRACTOR TO FIELD CERTIFY THAT ALL ELECTRICAL CONDUIT IN THE CONSTRUCTION AREA THAT REMAINS IS PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODES. IF CONDUIT IS NOT PROPERLY SUPPORTED, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL NECESSARY COMPONENTS REQUIRED TO THE PROVIDE A CONDUIT INSTALLATION THAT MEETS ALL APPLICABLE CODES.

NORTH

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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MIKE S. OGROSKE

DAT 9/04/2024 LICENSE 54899

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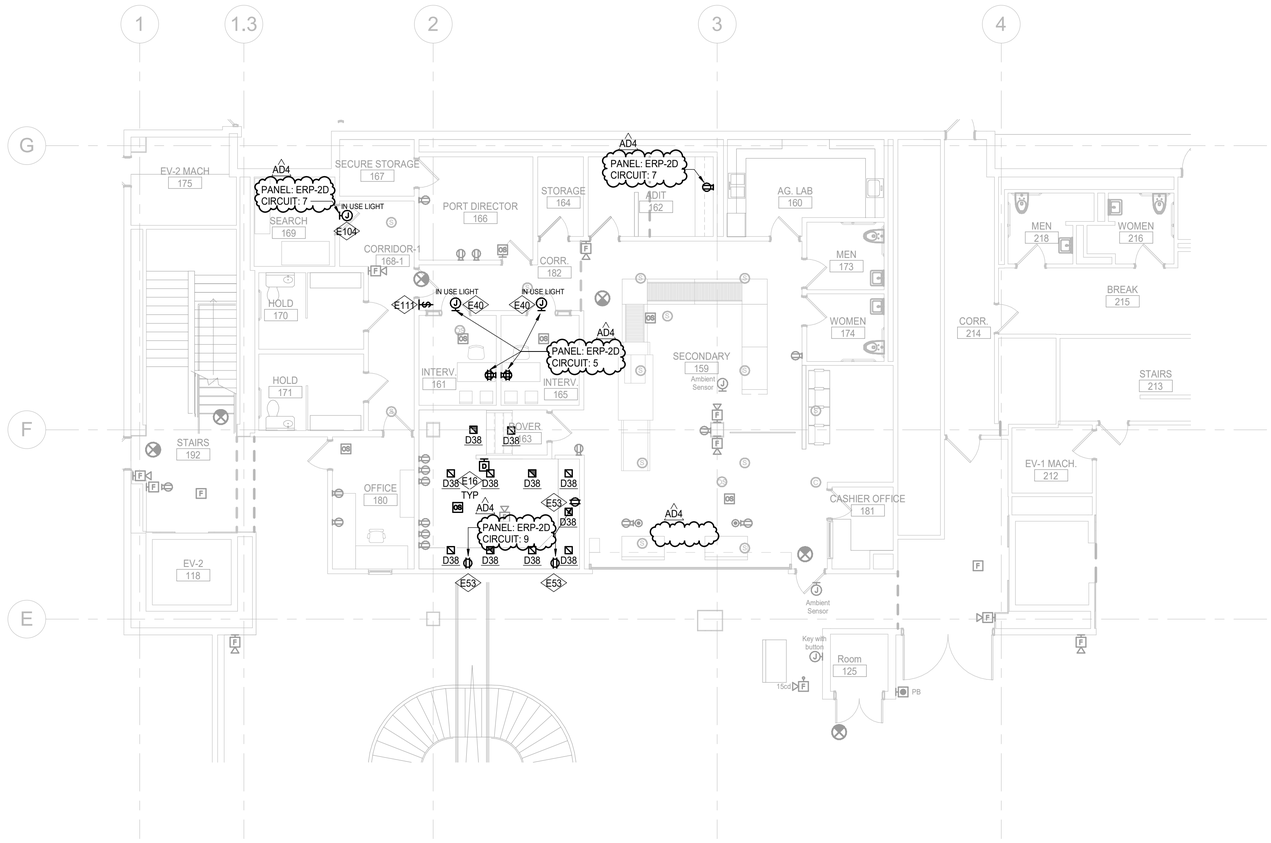
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REV. #	DESCRIPTION	DATE
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	Addendum 4	09/04/24

SECOND LEVEL
ELECTRICAL DEMOLITION
PLAN - AREA A

ED200



1 FIRST LEVEL ELECTRICAL FLOOR PLAN - AREA A
1/8" = 1'-0"

KEY NOTES

E13A. PROVIDE POWER FOR GLOBAL ENTRY KIOSK. CIRCUIT BACK TO NEAREST NORMAL POWER PANEL.

E13B. PROVIDE 1" CONDUIT BACK TO TELECOMMUNICATION ROOM 240 FOR CAT6 CABLING. PROVIDE 1 CAT6 CABLE FOR EACH KIOSK.

E15A. PROVIDE CEILING RECEPTACLE FOR MONITOR POWER.

E15B. PROVIDE 43" LG MONITOR AT THIS LOCATION. PROVIDE LUCASEY FSWT MONITOR MOUNT. MONITOR MOUNT TO BE INSTALLED TO STRUCTURAL SUPPORT. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION. RELOCATE EXISTING RECEPTACLE FOR DIGITAL SIGNAGE TO NEW MONITOR LOCATION. PROVIDE 1" CONDUIT AND CAT6 CABLE FROM MONITOR TO TELECOMMUNICATION ROOM 240.

E16. PROVIDE NEW RETRO FIT KIT TO REPLACE EXISTING DOWNLIGHTS. CONNECT TO EXISTING BRANCH CIRCUIT. PROVIDE NEW CONDUIT AND CABLING FOR 0-10V DIMMING TO EACH FIXTURE. PROVIDE CONNECTION TO NEW 0-10V DIMMER AS INDICATED. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E300 FOR MORE INFORMATION.

E40. IN USE LIGHT TO BE INSTALLED ABOVE DOOR AND TIED TO LIGHT SWITCH IN ROOM.

E53. PROVIDE CEILING RECEPTACLE FOR MONITOR POWER.

E104. IN USE LIGHT TO BE INSTALLED ABOVE DOOR AND TIED TO LIGHT SWITCH IN ROOM.

E111. NEW LIGHT SWITCH TO BE INTERFACED WITH EXISTING OCCUPANCY SENSORS.

NORTH

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SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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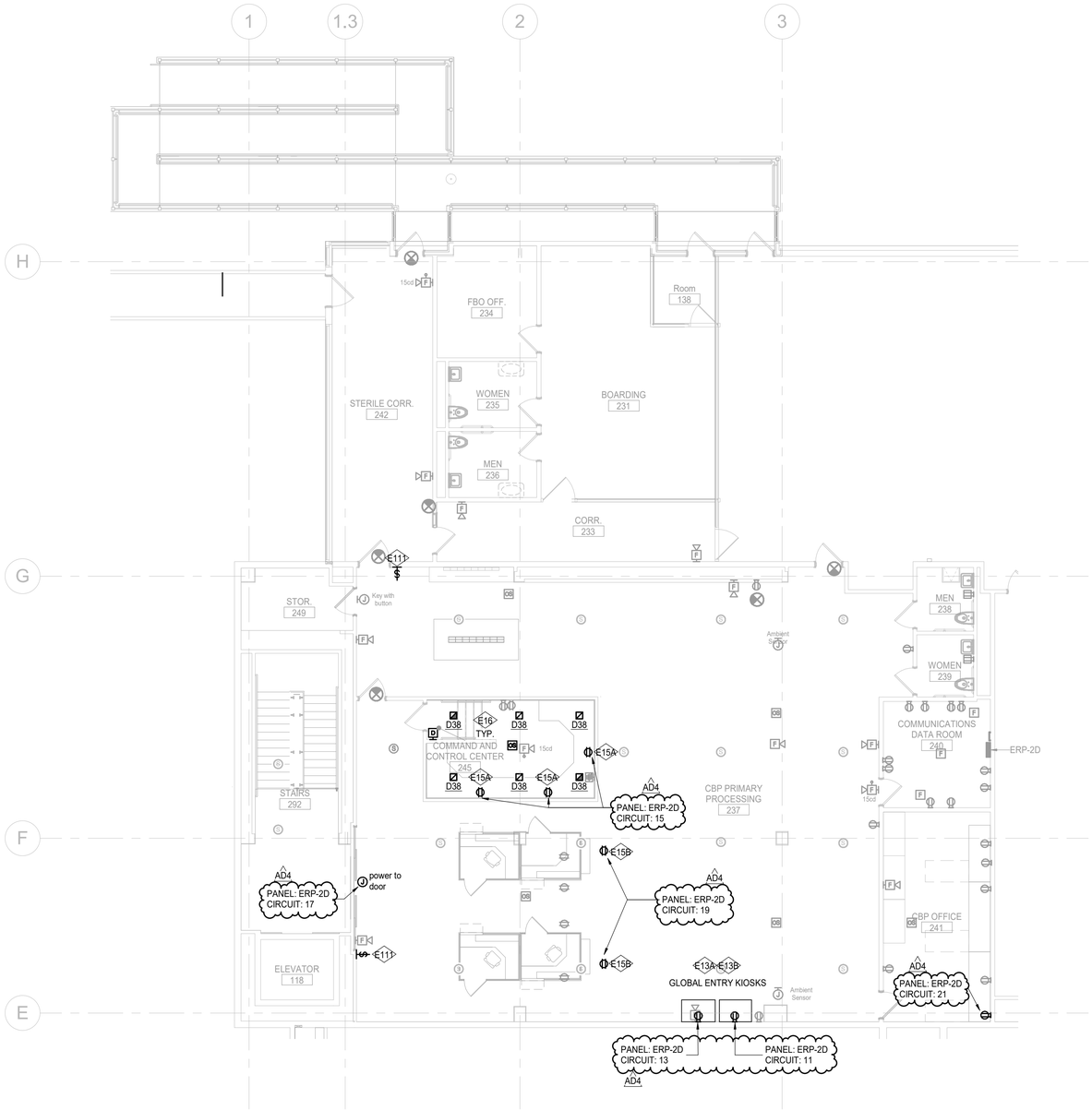
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FIRST LEVEL ELECTRICAL FLOOR PLAN - AREA A

E100



1 SECOND LEVEL ELECTRICAL FLOOR PLAN - AREA A
1/8" = 1'-0"

KEY NOTES

E13A. PROVIDE POWER FOR GLOBAL ENTRY KIOSK. CIRCUIT BACK TO NEAREST NORMAL POWER PANEL.

E13B. PROVIDE 1" CONDUIT BACK TO TELECOMMUNICATION ROOM 240 FOR CAT6 CABLING. PROVIDE 1 CAT6 CABLE FOR EACH KIOSK.

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E15B. PROVIDE 43" LG MONITOR AT THIS LOCATION. PROVIDE LUCASEY FSWT MONITOR MOUNT. MONITOR MOUNT TO BE INSTALLED TO STRUCTURAL SUPPORT. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION. RELOCATE EXISTING RECEPTACLE FOR DIGITAL SIGNAGE TO NEW MONITOR LOCATION. PROVIDE 1" CONDUIT AND CAT6 CABLE FROM MONITOR TO TELECOMMUNICATION ROOM 240.

E16. PROVIDE NEW RETRO FIT KIT TO REPLACE EXISTING DOWNLIGHTS. CONNECT TO EXISTING BRANCH CIRCUIT. PROVIDE NEW CONDUIT AND CABLING FOR 0-10V DIMMING TO EACH FIXTURE. PROVIDE CONNECTION TO NEW 0-10V DIMMER AS INDICATED. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E300 FOR MORE INFORMATION.

E40. IN USE LIGHT TO BE INSTALLED ABOVE DOOR AND TIED TO LIGHT SWITCH IN ROOM.

E53. PROVIDE CEILING RECEPTACLE FOR MONITOR POWER.

E104. IN USE LIGHT TO BE INSTALLED ABOVE DOOR AND TIED TO LIGHT SWITCH IN ROOM.

E111. NEW LIGHT SWITCH TO BE INTERFACED WITH EXISTING OCCUPANCY SENSORS.

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SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
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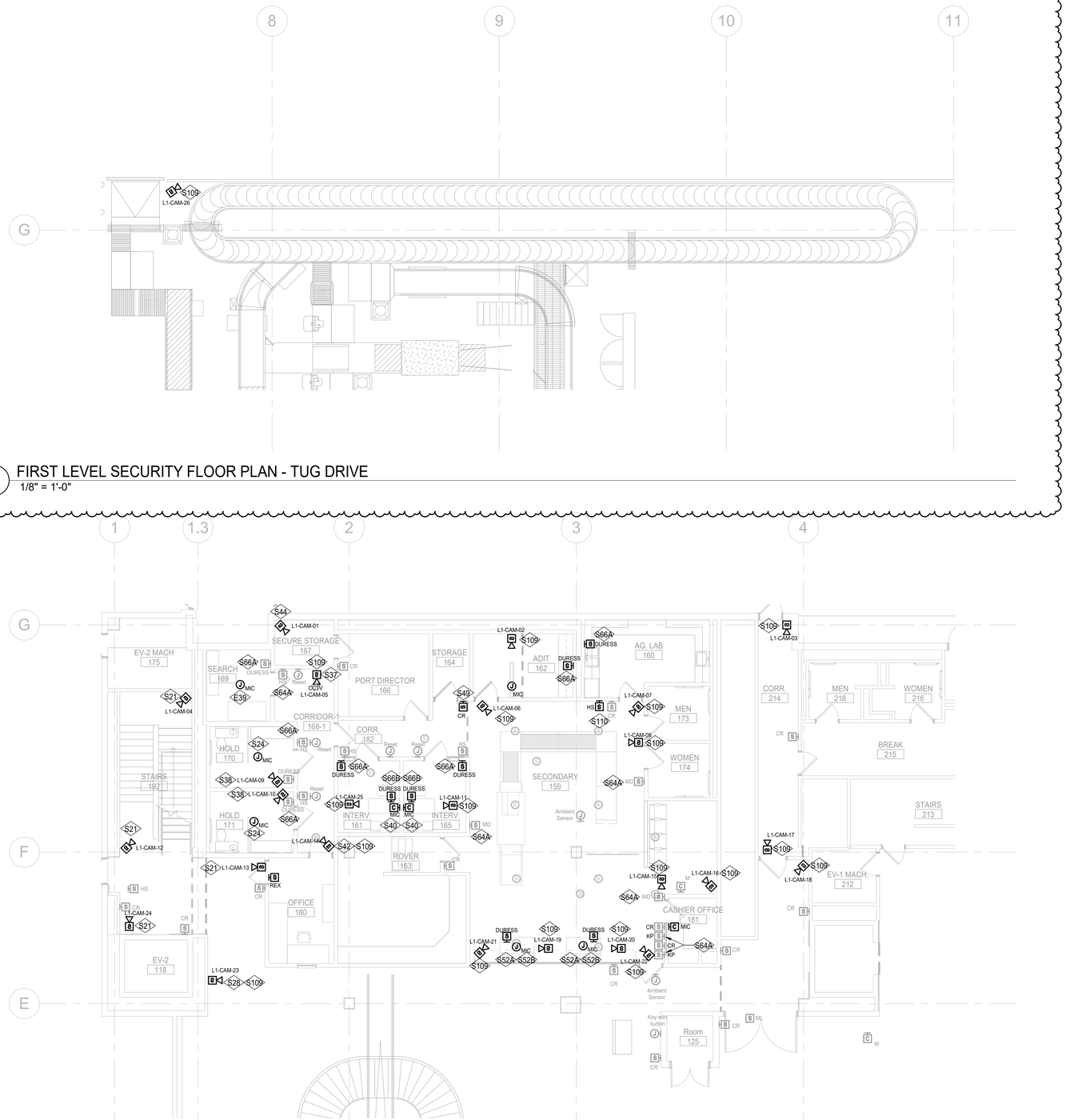
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SECOND LEVEL ELECTRICAL FLOOR PLAN - AREA A

E200



2 FIRST LEVEL SECURITY FLOOR PLAN - TUG DRIVE
1/8" = 1'-0"

1 FIRST LEVEL SECURITY FLOOR PLAN - AREA A
1/8" = 1'-0"

9/3/2024 9:38:22 AM

KEY NOTES

S3A. PROVIDE NEMA 4X CAMERA SYSTEM NETWORK ENCLOSURE. PROVIDE 6 STRAND INDOOR/OUTDOOR SINGLE MODE FIBER OPTIC CABLE TO TELECOMMUNICATIONS ROOM 240. TERMINATE FIBER IN TR AND PROVIDE REQUIRED PATCHING. CONTRACTOR TO INSTALL 8 PORT HARDENED NETWORK SWITCH (CISCO IE4000) IN ENCLOSURE FOR IP CAMERAS. CONFIRM LOCATION OF ENCLOSURE DOES NOT INTERFERE WITH PATH OF PASSENGER BOARDING BRIDGE. AD4

S3B. INSTALL OWNER PROVIDED FIXED CAMERA MOUNTED INSIDE OF PBB.

S4. PROVIDE 1" CONDUIT AND EXTERIOR RATED CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. MOUNT OWNER PROVIDED CAMERA TO SIDE OF BUILDING TO AVOID ROOF PENETRATIONS. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS. AD4

S5A. INSTALL OWNER PROVIDED CARD READER FOR ACCESS TO STAIRS ON PASSENGER BOARDING BRIDGE. PROVIDE IGUS #CF9-25-05 "SO CORD" FOR POWER TO ACCESS CONTROL. PROVIDE IGUS CHAINFLEX CFBUS.020 STAR QUAD GUARD DESIGN, STYLE 21371 FOR COMMUNICATION CABLING. PROVIDE REQUIRED RACEWAY TO COMPLETE WIRING SYSTEM WITHOUT SPLICES. AD4

S5B. INSTALL OWNER PROVIDED CARD READER ADJACET TO ELEVATOR CALL BUTTON. PROVIDE CONNECTIONS FROM CARD READER TO ELEVATOR EQUIPMENT ROOM TO ALLOW FOR VALID CARD SWIPE REQUIREMENT FOR CALLING ELEVATOR. AD4

S5C. INSTALL OWNER PROVIDED CARD READER AT PILOT DOOR AND END OF BRIDGE. COMMUNICATION CABLING AND POWER CABLING FOR CARD ACCESS TO BE FLEXIBLE TO ALLOW FOR CONTINUED USE WHILE BRIDGE IS EXPANDED OR CONTRACTED.

S11. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S17. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S18. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S21. PROVIDE CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS.

S23. PROVIDE CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS.

S24. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S26. PROVIDE NEW MOTION DETECTION IN STAIR 292. CONNECT MOTION DETECTION TO EXISTING INTRUSION SYSTEM.

S28. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S37. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S38. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S39. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S40. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S41. PROVIDE INSTALLATION FOR OWNER PROVIDED CARD READERS. SEE SPECIFICATIONS FOR MORE INFORMATION.

S42. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S43. PROVIDE INSTALLATION FOR OWNER PROVIDED CARD READERS. SEE SPECIFICATIONS FOR MORE INFORMATION.

S44. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION. AD4

S49. INSTALL NEW OWNER PROVIDED CARD READER TO SECURE DOOR. COORDINATE WITH ARCHITECTURAL DOOR SCHEDULE FOR MODIFICATIONS REQUIRED. AD4

S52A. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S52B. INSTALL OWNER PROVIDED DURESS BUTTON FOR PODIUM. AD4

S64A. PROVIDE VERIFICATION OF EXISTING INTRUSION DETECTION SYSTEM (IDS).
- TEST AND CONFIRM THE EXISTING IDS DEVICE MEETS CURRENT AIRPORT TECHNICAL DESIGN STANDARD (ATDS) AND PHYSICAL SECURITY STANDARDS.
- SHOULD THE DEVICE NOT MEET ATDS, CONTRACTOR TO PROVIDE DEFICIENCY REPORT TO THE ENGINEER. COORDINATE WITH ENGINEER FOR NECESSARY UPGRADES.
- CONTRACTOR TO FIELD VERIFY THE EXISTING ZONES AND REPORT FINDINGS BACK TO THE ENGINEER. COORDINATE ZONES WITH SYSTEM OWNER.

S64B. PROVIDE INSTALLATION OF INTRUSION DETECTION DEVICE AND INTEGRATE INTO THE EXISTING INTRUSION DETECTION SYSTEM. PROVIDE A NEW ZONE FOR IDS DEVICES IN COMMUNICATIONS DATA ROOM 240.

S66A. PROVIDE INTERFACING BETWEEN DURESS BUTTONS AND EXACOVISION TO PROVIDE ALERTS TO WORKSTATIONS WHEN BUTTON IS PRESSED.

S66B. PROVIDE INSTALLATION FOR UNDER DESK DURESS BUTTONS. PROVIDE INTERFACING BETWEEN DURESS BUTTON AND EXACQVISION TO PROVIDE ALERTS TO WORKSTATIONS WHEN BUTTON IS PRESSED. AD4

S109. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION. AD4

S110. INSTALL OWNER PROVIDED DURESS BUTTON AND LOCAL ALARM BY GRINDER. LOCAL ALARM TO HAVE VISUAL AND AUDIO NOTIFICATION OF DURESS PUSH. AD4

S111. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA UNDER PASSENGER BOARDING BRIDGE. SEE SPECIFICATIONS FOR MORE INFORMATION.

NORTH

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

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333 South 7th Street, Suite 1200
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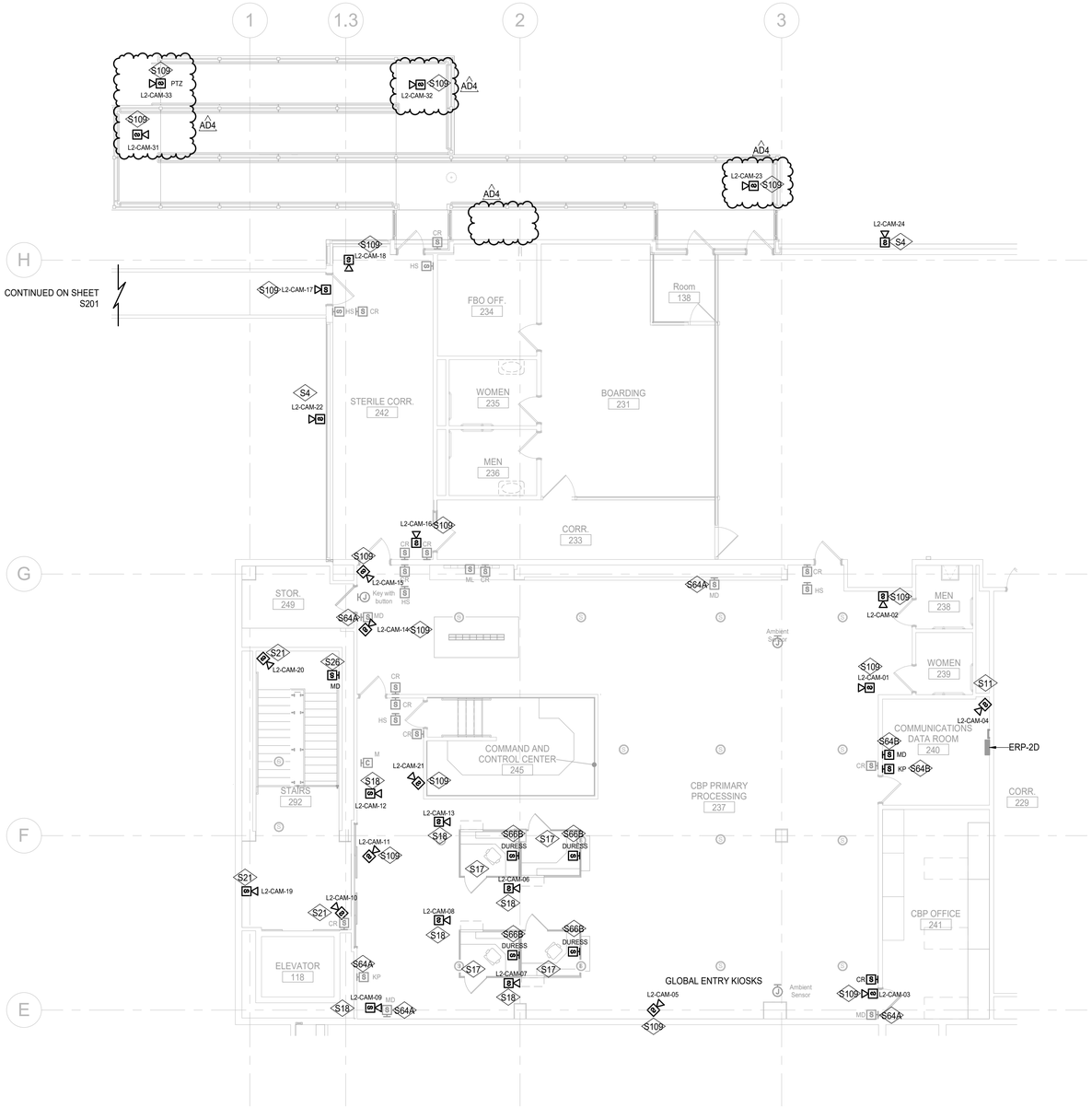
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FIRST LEVEL SECURITY FLOOR PLAN - AREA A

S100



1 SECOND LEVEL SECURITY FLOOR PLAN - AREA A
1/8" = 1'-0"

KEY NOTES

S3A. PROVIDE NEMA 4X CAMERA SYSTEM NETWORK ENCLOSURE. PROVIDE 6 STRAND INDOOR/OUTDOOR SINGLE MODE FIBER OPTIC CABLE TO TELECOMMUNICATIONS ROOM 240. TERMINATE FIBER IN TR AND PROVIDE REQUIRED PATCHING. CONTRACTOR TO INSTALL 8 PORT HARDENED NETWORK SWITCH (CISCO IE4000) IN ENCLOSURE FOR IP CAMERAS. CONFIRM LOCATION OF ENCLOSURE DOES NOT INTERFERE WITH PATH OF PASSENGER BOARDING BRIDGE.

S3B. INSTALL OWNER PROVIDED FIXED CAMERA MOUNTED INSIDE OF PBB.

S4. PROVIDE 1" CONDUIT AND EXTERIOR RATED CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. MOUNT OWNER PROVIDED CAMERA TO SIDE OF BUILDING TO AVOID ROOF PENETRATIONS. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS.

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S5B. INSTALL OWNER PROVIDED CARD READER ADJACET TO ELEVATOR CALL BUTTON. PROVIDE CONNECTIONS FROM CARD READER TO ELEVATOR EQUIPMENT ROOM TO ALLOW FOR VALID CARD SWIPE REQUIREMENT FOR CALLING ELEVATOR.

S5C. INSTALL OWNER PROVIDED CARD READER AT PILOT DOOR AND END OF BRIDGE. COMMUNICATION CABLING AND POWER CABLING FOR CARD ACCESS TO BE FLEXIBLE TO ALLOW FOR CONTINUED USE WHILE BRIDGE IS EXPANDED OR CONTRACTED.

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S17. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

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S41. PROVIDE INSTALLATION FOR OWNER PROVIDED CARD READERS. SEE SPECIFICATIONS FOR MORE INFORMATION.

S42. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S43. PROVIDE INSTALLATION FOR OWNER PROVIDED CARD READERS. SEE SPECIFICATIONS FOR MORE INFORMATION.

S44. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S49. INSTALL NEW OWNER PROVIDED CARD READER TO SECURE DOOR. COORDINATE WITH ARCHITECTURAL DOOR SCHEDULE FOR MODIFICATIONS REQUIRED.

S52A. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S52B. INSTALL OWNER PROVIDED DURESS BUTTON FOR PODIUM.

S64A. PROVIDE VERIFICATION OF EXISTING INTRUSION DETECTION SYSTEM (IDS).
- TEST AND CONFIRM THE EXISTING IDS DEVICE MEETS CURRENT AIRPORT TECHNICAL DESIGN STANDARD (ATDS) AND PHYSICAL SECURITY STANDARDS.
- SHOULD THE DEVICE NOT MEET ATDS, CONTRACTOR TO PROVIDE DEFICIENCY REPORT TO THE ENGINEER. COORDINATE WITH ENGINEER FOR NECESSARY UPGRADES.
- CONTRACTOR TO FIELD VERIFY THE EXISTING ZONES AND REPORT FINDINGS BACK TO THE ENGINEER. COORDINATE ZONES WITH SYSTEM OWNER.

S64B. PROVIDE INSTALLATION OF INTRUSION DETECTION DEVICE AND INTEGRATE INTO THE EXISTING INTRUSION DETECTION SYSTEM. PROVIDE A NEW ZONE FOR IDS DEVICES IN COMMUNICATIONS DATA ROOM 240.

S66A. PROVIDE INTERFACING BETWEEN DURESS BUTTONS AND EXACQVISION TO PROVIDE ALERTS TO WORKSTATIONS WHEN BUTTON IS PRESSED.

S66B. PROVIDE INSTALLATION FOR UNDER DESK DURESS BUTTONS. PROVIDE INTERFACING BETWEEN DURESS BUTTON AND EXACQVISION TO PROVIDE ALERTS TO WORKSTATIONS WHEN BUTTON IS PRESSED.

S109. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S110. INSTALL OWNER PROVIDED DURESS BUTTON AND LOCAL ALARM BY GRINDER. LOCAL ALARM TO HAVE VISUAL AND AUDIO NOTIFICATION OF DURESS PUSH.

S111. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA UNDER PASSENGER BOARDING BRIDGE. SEE SPECIFICATIONS FOR MORE INFORMATION.

NORTH

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SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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DAT 9/04/2024 LICENSE 54899

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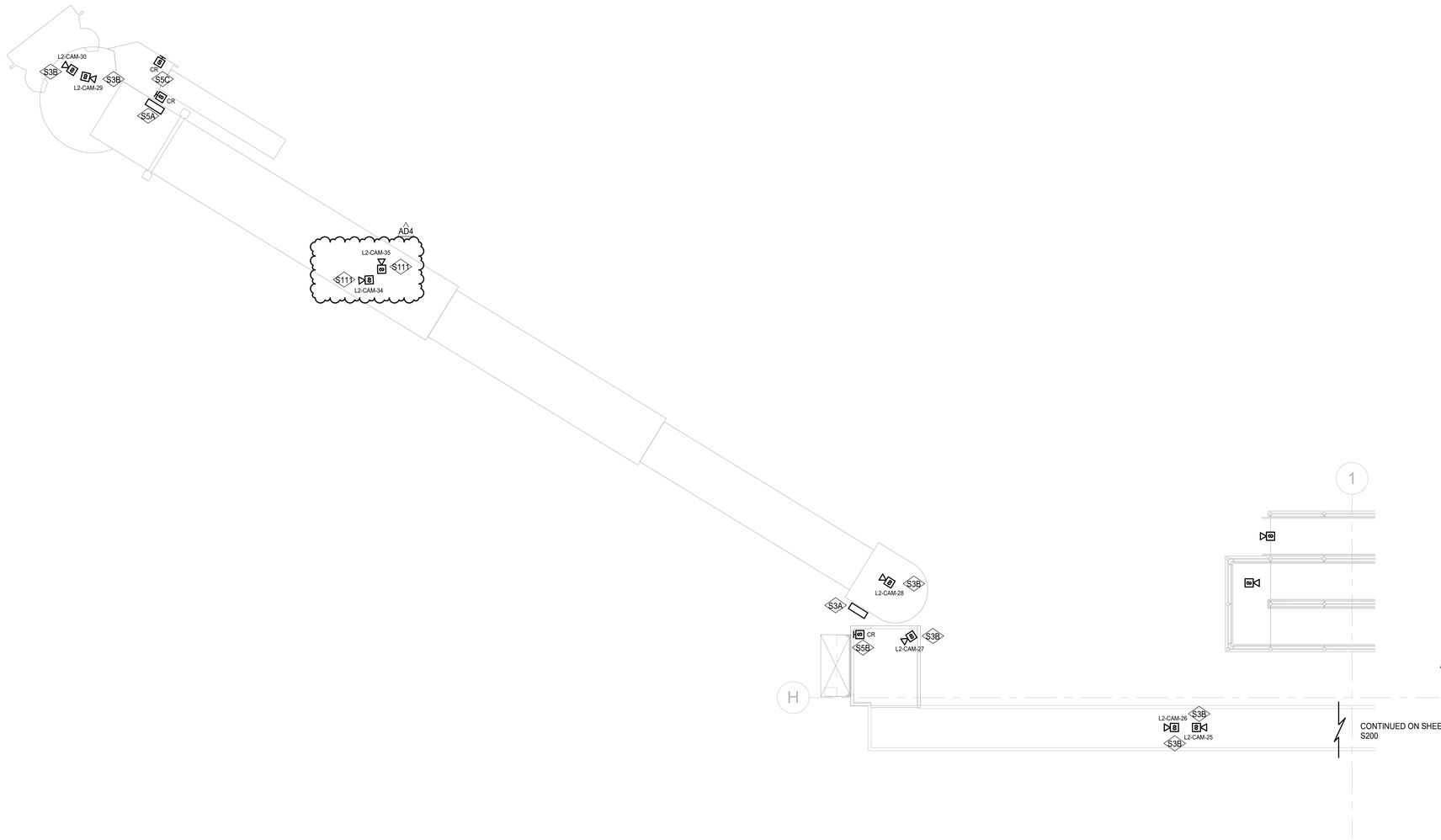
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SECOND LEVEL SECURITY FLOOR PLAN - AREA A

S200



KEY NOTES

S3A. PROVIDE NEMA 4X CAMERA SYSTEM NETWORK ENCLOSURE. PROVIDE 6 STRAND INDOOR/OUTDOOR SINGLE MODE FIBER OPTIC CABLE TO TELECOMMUNICATIONS ROOM 240. TERMINATE FIBER IN TR AND PROVIDE REQUIRED PATCHING. CONTRACTOR TO INSTALL 8 PORT HARDENED NETWORK SWITCH (CISCO IE4000) IN ENCLOSURE FOR IP CAMERAS. CONFIRM LOCATION OF ENCLOSURE DOES NOT INTERFERE WITH PATH OF PASSENGER BOARDING BRIDGE.

S3B. AD4 INSTALL OWNER PROVIDED FIXED CAMERA MOUNTED INSIDE OF PBB.

S4. PROVIDE 1" CONDUIT AND EXTERIOR RATED CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. MOUNT OWNER PROVIDED CAMERA TO SIDE OF BUILDING TO AVOID ROOF PENETRATIONS. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS. AD4

S5A. AD4 INSTALL OWNER PROVIDED CARD READER FOR ACCESS TO STAIRS ON PASSENGER BOARDING BRIDGE. PROVIDE IGUS #CF9-25-05 "SO CORD" FOR POWER TO ACCESS CONTROL. PROVIDE IGUS CHAINFLEX CFBUS.020 STAR QUAD GUARD DESIGN, STYLE 21371 FOR COMMUNICATION CABLING. PROVIDE REQUIRED RACEWAY TO COMPLETE WIRING SYSTEM WITHOUT SPLICES.

S5B. AD4 INSTALL OWNER PROVIDED CARD READER ADJACET TO ELEVATOR CALL BUTTON. PROVIDE CONNECTIONS FROM CARD READER TO ELEVATOR EQUIPMENT ROOM TO ALLOW FOR VALID CARD SWIPE REQUIREMENT FOR CALLING ELEVATOR.

S5C. AD4 INSTALL OWNER PROVIDED CARD READER AT PILOT DOOR AND END OF BRIDGE. COMMUNICATION CABLING AND POWER CABLING FOR CARD ACCESS TO BE FLEXIBLE TO ALLOW FOR CONTINUED USE WHILE BRIDGE IS EXPANDED OR CONTRACTED.

S11. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S17. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S18. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S21. PROVIDE CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS.

S23. PROVIDE CAT6 CABLING FROM CAMERA LOCATION TO NETWORK SWITCH IN ROOM 240. REFER TO CAMERA MOUNTING DETAIL ON SHEET E300 FOR MORE INFORMATION ON CONDUIT AND JUNCTION BOX REQUIREMENTS.

S24. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S26. PROVIDE NEW MOTION DETECTION IN STAIR 292. CONNECT MOTION DETECTION TO EXISTING INTRUSION SYSTEM.

S28. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S37. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S38. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA. SEE SPECIFICATIONS FOR MORE INFORMATION.

S39. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

S40. PROVIDE CABLING FROM MICROPHONE LOCATION TO CAMERA SYSTEM.

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S110. AD4 INSTALL OWNER PROVIDED DURESS BUTTON AND LOCAL ALARM BY GRINDER. LOCAL ALARM TO HAVE VISUAL AND AUDIO NOTIFICATION OF DURESS PUSH.

S111. PROVIDE INSTALLATION FOR OWNER PROVIDED CAMERA UNDER PASSENGER BOARDING BRIDGE. SEE SPECIFICATIONS FOR MORE INFORMATION. AD4

NORTH

1 SECOND LEVEL SECURITY FLOOR PLAN - PASSENGER BOARDING BRIDGE
1/8" = 1'-0"

9/3/2024 9:38:27 AM

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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DAT 9/04/2024 LICENSE 54899

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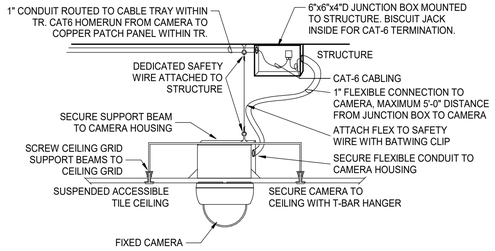
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Project Status	Issue

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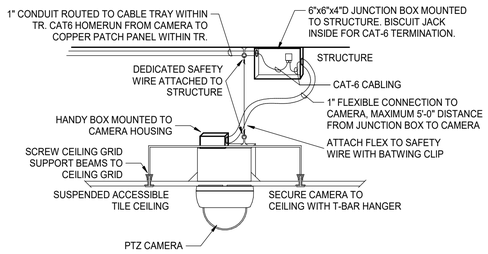
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SECOND LEVEL SECURITY FLOOR PLAN - PASSENGER BOARDING BRIDGE

S201



1 FIXED CAMERA DETAIL - CEILING MOUNTED
NOT TO SCALE



2 PTZ CAMERA DETAIL - CEILING MOUNTED
NOT TO SCALE

CAMERA SCHEDULE

CCTV NUMBER	LOCATION ROOM NAME	ROOM NUMBER	TYPE	HOUSING	MOUNTING	NOTES
L1-CAM-01	SECURE STORAGE	167	FIXED		CEILING	
L1-CAM-02			FIXED		CEILING	
L1-CAM-03	CORR.	214	FIXED		CEILING	
L1-CAM-04	STAIRS	192	FIXED		CEILING	
L1-CAM-05			FIXED		CEILING	
L1-CAM-06	SECONDARY	159	FIXED		CEILING	
L1-CAM-07	SECONDARY	159	FIXED		CEILING	
L1-CAM-08	SECONDARY	159	FIXED		CEILING	
L1-CAM-09	HOLD	170	FIXED		CEILING	
L1-CAM-10	HOLD	171	FIXED		CEILING	
L1-CAM-11	INTERV.	165	FIXED		CEILING	
L1-CAM-12	STAIRS	192	FIXED		CEILING	
L1-CAM-13			FIXED		CEILING	
L1-CAM-14	CORRIDOR-1	168-1	FIXED		CEILING	
L1-CAM-15	SECONDARY	159	FIXED		CEILING	
L1-CAM-16	SECONDARY	159	FIXED		CEILING	
L1-CAM-17	CORR.	214	FIXED		CEILING	
L1-CAM-18			FIXED		CEILING	
L1-CAM-19	SECONDARY	159	FIXED		CEILING	
L1-CAM-20	SECONDARY	159	FIXED		CEILING	
L1-CAM-21	SECONDARY	159	FIXED		CEILING	
L1-CAM-22	SECONDARY	159	FIXED		CEILING	
L1-CAM-23			FIXED		CEILING	
L1-CAM-24			FIXED		CEILING	
L1-CAM-25	INTERV.	165	FIXED		CEILING	
AD4 L1-CAM-26			FIXED		CEILING	
L2-CAM-01			FIXED		CEILING	
L2-CAM-02			FIXED		CEILING	
L2-CAM-03			FIXED		CEILING	
L2-CAM-04	COMMUNICATIONS DATA ROOM	240	FIXED		CEILING	
L2-CAM-05	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-06	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-07	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-08	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-09			FIXED		CEILING	
L2-CAM-10	STAIRS	292	FIXED		CEILING	
L2-CAM-11	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-12			FIXED		CEILING	
L2-CAM-13	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-14	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-15	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-16			FIXED		CEILING	
L2-CAM-17	FIXED BRIDGE	247	FIXED		CEILING	
L2-CAM-18			FIXED		CEILING	
L2-CAM-19			FIXED		CEILING	
L2-CAM-20	STAIRS	292	FIXED		CEILING	
L2-CAM-21	CBP PRIMARY PROCESSING	237	FIXED		CEILING	
L2-CAM-22			FIXED		WALL	
L2-CAM-23			FIXED		CEILING	
L2-CAM-24			FIXED		WALL	
L2-CAM-25	FIXED BRIDGE	247	FIXED		CEILING	
L2-CAM-26	FIXED BRIDGE	247	FIXED		CEILING	
L2-CAM-27	FIXED BRIDGE	247	FIXED		CEILING	
L2-CAM-28			FIXED		CEILING	
L2-CAM-29			FIXED		CEILING	
AD4 L2-CAM-30			FIXED		CEILING	
L2-CAM-31			FIXED		CEILING	
L2-CAM-32			FIXED		CEILING	
L2-CAM-33			PTZ		CEILING	
L2-CAM-34			FIXED		CEILING	
L2-CAM-35			FIXED		CEILING	

ALL CAMERAS TO BE INSTALLED AND PROGRAMMED BY SECURITY CONTRACTOR. UPON INSTALLATION, A VIEWING PARTY WILL TAKE PLACE TO ENSURE THE DESIRED VIEWS ARE BEING PROVIDED. SECURITY CONTRACTOR RESPONSIBLE FOR PROVIDING LICENSES FOR ALL CAMERAS.

9/3/2024 9:38:28 AM

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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DAT 9/04/2024 LICENSE 54899

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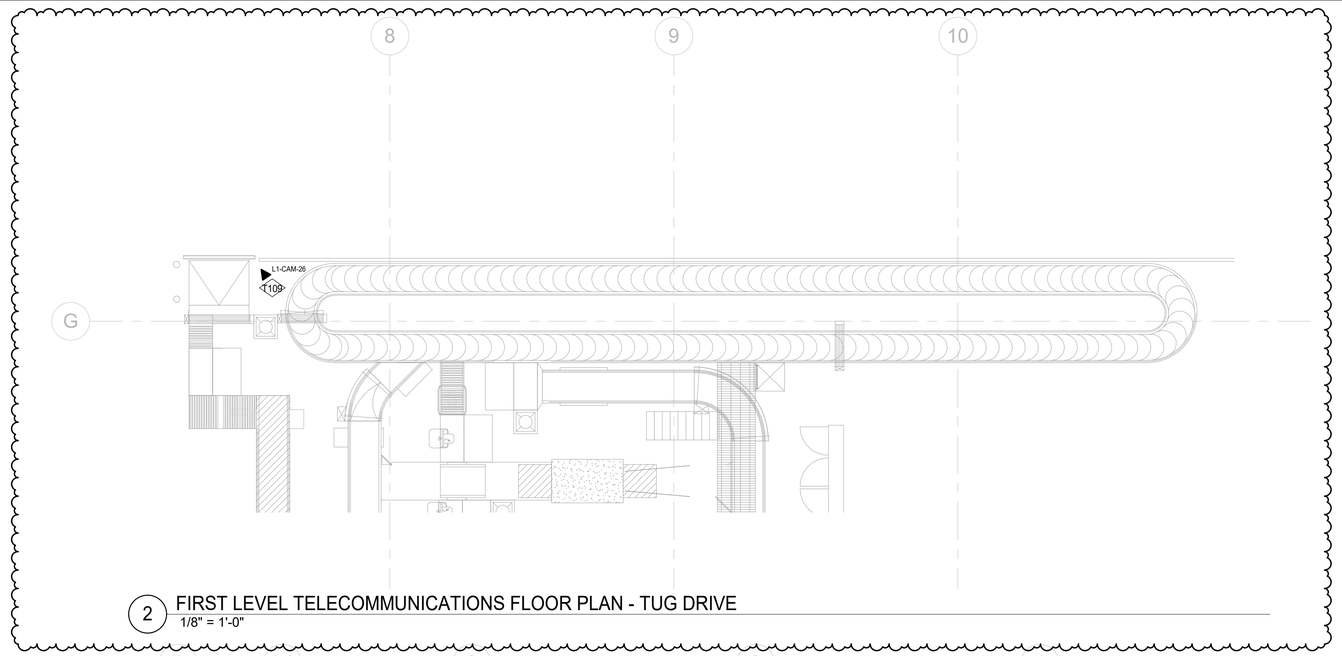
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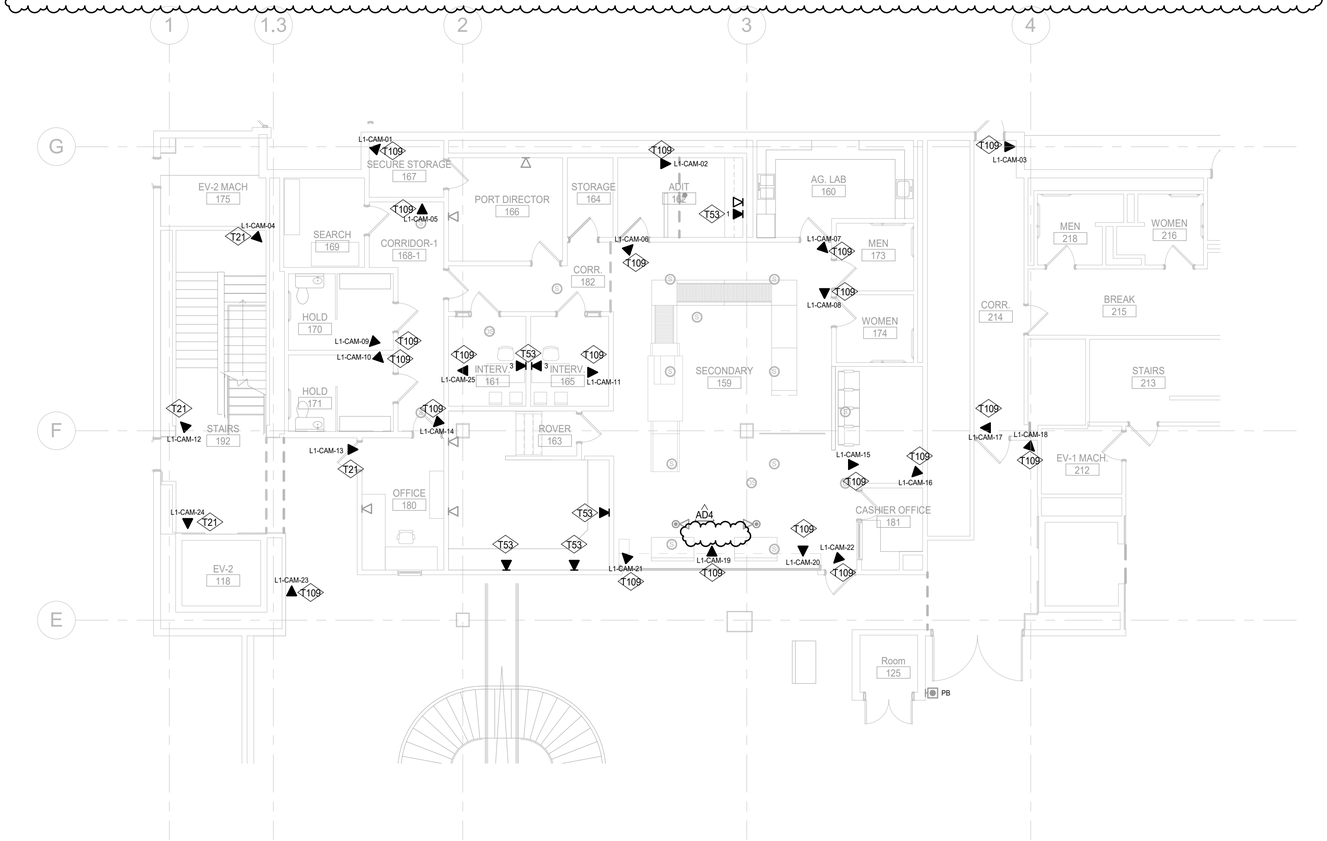
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CAMERA SCHEDULE AND DETAILS

S300



2 FIRST LEVEL TELECOMMUNICATIONS FLOOR PLAN - TUG DRIVE
1/8" = 1'-0"



1 FIRST LEVEL TELECOMMUNICATIONS FLOOR PLAN - AREA A
1/8" = 1'-0"

9/3/2024 9:38:32 AM

GENERAL NOTES

AD4

A. ALL EXTERIOR AND UNDERGROUND CABLING SHALL BE OUTDOOR RATED, REFER TO SPECIFICATION SECTIONS 27 15 00 FOR TELECOMMUNICATIONS HORIZONTAL CABLING REQUIREMENTS.

B. ALL TUBE DISTRIBUTION UNITS, RACK GROUPS, PATCH PANELS, PUNCH BLOCKS, CABLING, ETC. SHALL BE LABELED. REFER TO SPECIFICATIONS FOR CABLE AND EQUIPMENT LABELING REQUIREMENTS.

C. ALL CONDUIT AND JUNCTION BOXES SHALL BE LABELED. REFER TO SPECIFICATIONS FOR COLOR CODING AND LABELING REQUIREMENTS.

D. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, DETAILS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATION OF ALL ELECTRICAL DEVICES.

E. ALL DEVICES SHALL BE INSTALLED TO COMPLY WITH ADA GUIDELINES.

F. REFER TO STRUCTURAL DOCUMENTS FOR FLOOR AND WALL PENETRATION REQUIREMENTS, AND STRUCTURAL SUPPORT REQUIREMENTS FOR INSTALLED EQUIPMENT.

G. MAINTAIN FIRE RATING WHERE CONDUIT, DEVICES, ETCETERA PENETRATE A FIRE RATED STRUCTURE. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND CEILINGS. FIRE PROOF ALL PENETRATION AS REQUIRED. SEE SPECIFICATION FOR APPROVED MATERIALS.

H. COORDINATE CUTTING AND PATCHING AS NECESSARY WITH GENERAL CONTRACTOR FOR REQUIRED FLOOR, WALL, AND ROOF OPENINGS.

I. PROVIDE UL LISTED EXPANSION FITTINGS FOR ALL CONDUITS CROSSING OVER EXPANSION JOINTS. FLEXIBLE CONDUIT SHALL NOT TO BE INSTALLED FOR THIS PURPOSE.

J. ANY EXPOSED (AND/OR "VISIBLE TO THE PUBLIC") CONDUIT SHALL BE APPROVED BY THE OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION. PRIME, PREPARE, AND PAINT TO MATCH EXISTING ARCHITECTURAL FINISH.

K. COORDINATE SYSTEMS DEVICE LOCATIONS WITH THE MODULAR FURNITURE LAYOUT SUCH THAT DEVICES ARE NOT IN CONFLICT WITH THE FURNITURE VERTICAL SUPPORTS, FURNITURE PANELS, OR IN THE MIDDLE OF A KNEE SPACE.

L. COORDINATE MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL TELECOMMUNICATION ROOM OUTLETS, JUNCTION BOXES, AND EQUIPMENT WITH OWNER'S INFORMATION SYSTEMS REPRESENTATIVE AND TELECOMMUNICATIONS PROVIDER PRIOR TO INSTALLATION.

M. ALL DEVICES IN FINISHED AREAS ARE TO BE RECESSED FLUSH WITHIN WALLS. IN UNFINISHED AREAS (E.G. PLUMBING CHASES, JANITOR CLOSETS, ELECTRICAL ROOMS, MECHANICAL ROOMS, ETCETERA) DEVICES AND CONDUIT MAY BE SURFACE MOUNTED.

KEY NOTES

T3A. PROVIDE OUTDOOR RATED CAT6 CABLE RATED FOR HIGH FLEXBILITY FOR IP CAMERA. ROUTE CAT6 CABLE TO HARDENED NETWORK SWITCH INSIDE OF CAMERA NETWORK ENCLOSURE ON PASSENGER BOARDING BRIDGE.

T3B. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T13. PROVIDE CAT6 CABLING FROM GLOBAL ENTRY KIOSK BACK TO TELECOMMUNICATIONS ROOM 240.

T15. PROVIDE NEW WALL MOUNTED MONITOR FOR WORKSTATION. COORDINATE INSTALLATION WITH ARCHITECTURAL. PROVIDE DISPLAY PORT CABLING FROM MONITOR TO WORKSTATION INSIDE OF WIREMOLD.

T21. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T53. PROVIDE CAT6 CABLE(S) FROM DATA JACK TO NETWORK SWITCH IN ROOM 240 FOR WORKSTATION CABLING.

T109. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

NORTH

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
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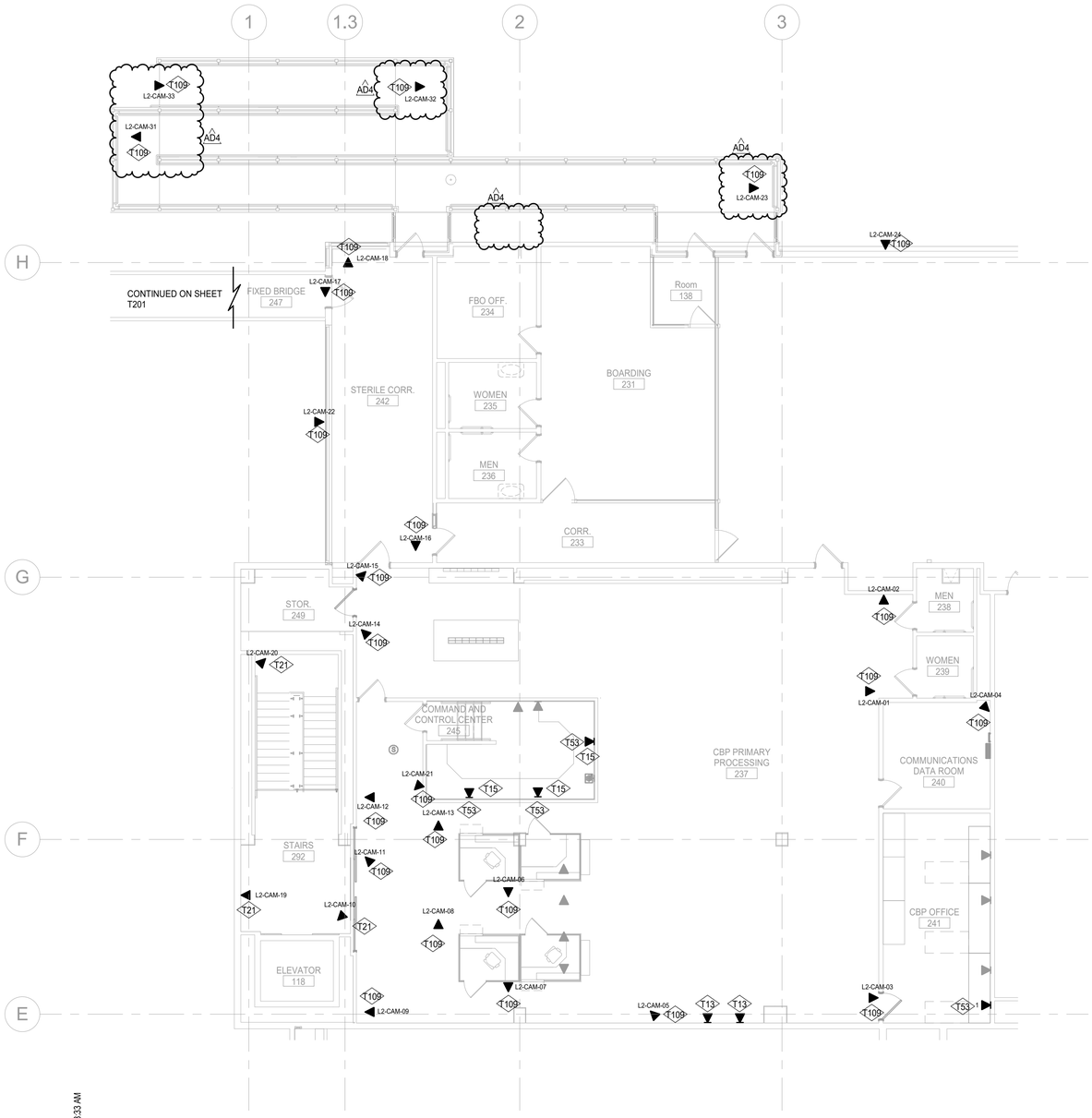
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FIRST LEVEL TELECOMMUNICATIONS FLOOR PLAN - AREA A

T100



1 SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN - AREA A
1/8" = 1'-0"

9/3/2024 9:38:33 AM

GENERAL NOTES

AD4

A. ALL EXTERIOR AND UNDERGROUND CABLING SHALL BE OUTDOOR RATED, REFER TO SPECIFICATION SECTIONS 27 15 00 FOR TELECOMMUNICATIONS HORIZONTAL CABLING REQUIREMENTS.

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C. ALL CONDUIT AND JUNCTION BOXES SHALL BE LABELED. REFER TO SPECIFICATIONS FOR COLOR CODING AND LABELING REQUIREMENTS.

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E. ALL DEVICES SHALL BE INSTALLED TO COMPLY WITH ADA GUIDELINES.

F. REFER TO STRUCTURAL DOCUMENTS FOR FLOOR AND WALL PENETRATION REQUIREMENTS, AND STRUCTURAL SUPPORT REQUIREMENTS FOR INSTALLED EQUIPMENT.

G. MAINTAIN FIRE RATING WHERE CONDUIT, DEVICES, ETCETERA PENETRATE A FIRE RATED STRUCTURE. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND CEILINGS. FIRE PROOF ALL PENETRATION AS REQUIRED. SEE SPECIFICATION FOR APPROVED MATERIALS.

H. COORDINATE CUTTING AND PATCHING AS NECESSARY WITH GENERAL CONTRACTOR FOR REQUIRED FLOOR, WALL, AND ROOF OPENINGS.

I. PROVIDE UL LISTED EXPANSION FITTINGS FOR ALL CONDUITS CROSSING OVER EXPANSION JOINTS. FLEXIBLE CONDUIT SHALL NOT TO BE INSTALLED FOR THIS PURPOSE.

J. ANY EXPOSED (AND/OR "VISIBLE TO THE PUBLIC") CONDUIT SHALL BE APPROVED BY THE OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION. PRIME, PREPARE, AND PAINT TO MATCH EXISTING ARCHITECTURAL FINISH.

K. COORDINATE SYSTEMS DEVICE LOCATIONS WITH THE MODULAR FURNITURE LAYOUT SUCH THAT DEVICES ARE NOT IN CONFLICT WITH THE FURNITURE VERTICAL SUPPORTS, FURNITURE PANELS, OR IN THE MIDDLE OF A KNEE SPACE.

L. COORDINATE MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL TELECOMMUNICATION ROOM OUTLETS, JUNCTION BOXES, AND EQUIPMENT WITH OWNER'S INFORMATION SYSTEMS REPRESENTATIVE AND TELECOMMUNICATIONS PROVIDER PRIOR TO INSTALLATION.

M. ALL DEVICES IN FINISHED AREAS ARE TO BE RECESSED FLUSH WITHIN WALLS. IN UNFINISHED AREAS (E.G. PLUMBING CHASES, JANITOR CLOSETS, ELECTRICAL ROOMS, MECHANICAL ROOMS, ETCETERA) DEVICES AND CONDUIT MAY BE SURFACE MOUNTED.

KEY NOTES

T3A. PROVIDE OUTDOOR RATED CAT6 CABLE RATED FOR HIGH FLEXBILITY FOR IP CAMERA. ROUTE CAT6 CABLE TO HARDENED NETWORK SWITCH INSIDE OF CAMERA NETWORK ENCLOSURE ON PASSENGER BOARDING BRIDGE.

T3B. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T13. PROVIDE CAT6 CABLING FROM GLOBAL ENTRY KIOSK BACK TO TELECOMMUNICATIONS ROOM 240.

T15. PROVIDE NEW WALL MOUNTED MONITOR FOR WORKSTATION. COORDINATE INSTALLATION WITH ARCHITECTURAL. PROVIDE DISPLAY PORT CABLING FROM MONITOR TO WORKSTATION INSIDE OF WIREMOLD.

T21. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T53. PROVIDE CAT6 CABLE(S) FROM DATA JACK TO NETWORK SWITCH IN ROOM 240 FOR WORKSTATION CABLING.

T109. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

NORTH

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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MIKE S. OGROSKE
DAT 9/04/2024 LICENSE 54899

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SERVICE FACILITY RENOVATION
100% BID SET
4701 GRINDEN DRIVE
DULUTH, MN 55811

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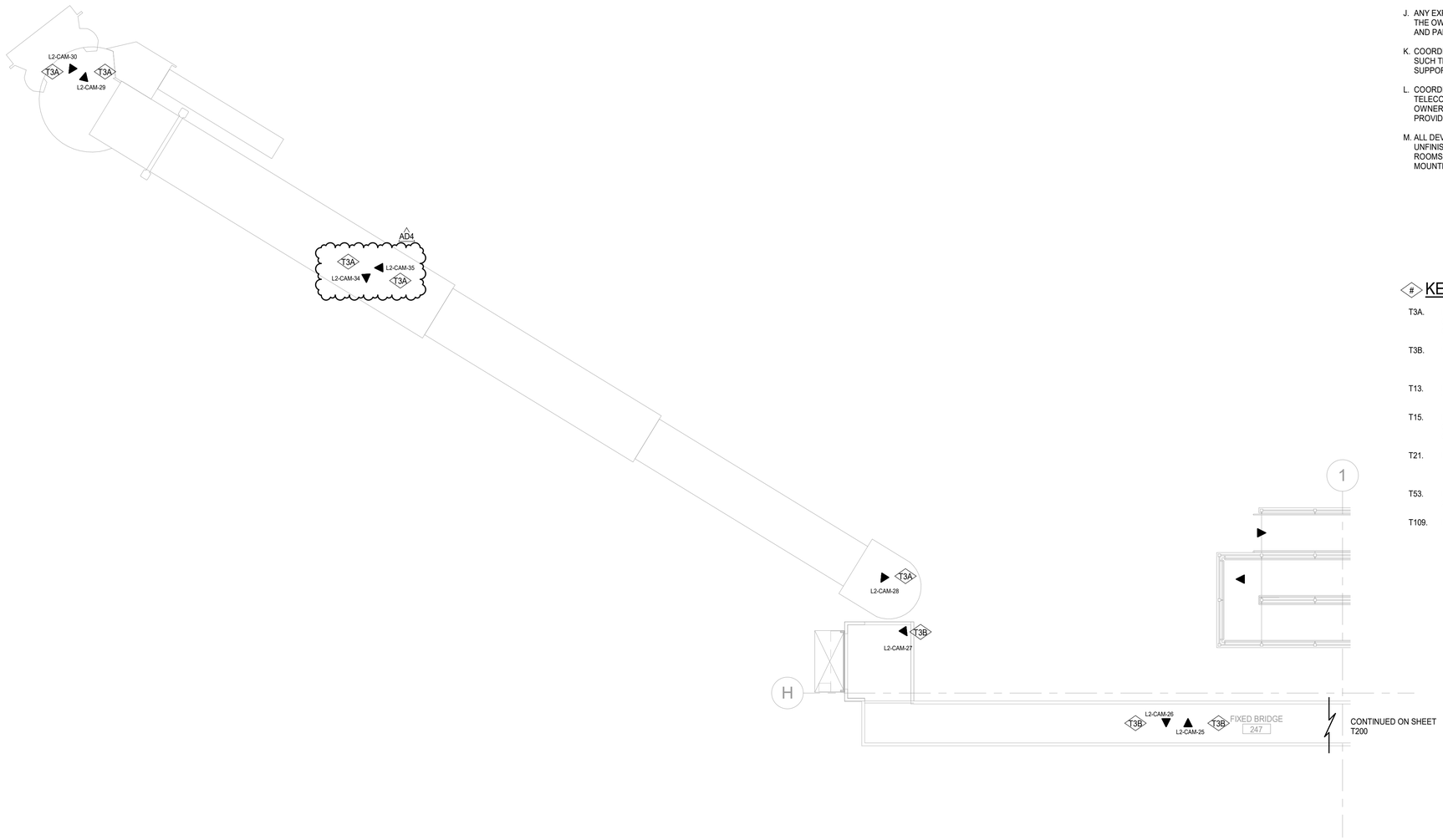
SEH Project	DULAI 170389
MDA Project	DLH2201
Checked By	MSO
Drawn By	CMB
Project Status	Issue

REVISION SCHEDULE

REV. #	DESCRIPTION	DATE
	100% BID SET	07/22/24
	Addendum 4	09/04/24

SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN - AREA A

T200



GENERAL NOTES

A. ALL EXTERIOR AND UNDERGROUND CABLING SHALL BE OUTDOOR RATED, REFER TO SPECIFICATION SECTIONS 27 15 00 FOR TELECOMMUNICATIONS HORIZONTAL CABLING REQUIREMENTS.

B. ALL TUBE DISTRIBUTION UNITS, RACK GROUPS, PATCH PANELS, PUNCH BLOCKS, CABLING, ETC. SHALL BE LABELED. REFER TO SPECIFICATIONS FOR CABLE AND EQUIPMENT LABELING REQUIREMENTS.

C. ALL CONDUIT AND JUNCTION BOXES SHALL BE LABELED. REFER TO SPECIFICATIONS FOR COLOR CODING AND LABELING REQUIREMENTS.

D. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, DETAILS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATION OF ALL ELECTRICAL DEVICES.

E. ALL DEVICES SHALL BE INSTALLED TO COMPLY WITH ADA GUIDELINES.

F. REFER TO STRUCTURAL DOCUMENTS FOR FLOOR AND WALL PENETRATION REQUIREMENTS, AND STRUCTURAL SUPPORT REQUIREMENTS FOR INSTALLED EQUIPMENT.

G. MAINTAIN FIRE RATING WHERE CONDUIT, DEVICES, ETCETERA PENETRATE A FIRE RATED STRUCTURE. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND CEILINGS. FIRE PROOF ALL PENETRATION AS REQUIRED. SEE SPECIFICATION FOR APPROVED MATERIALS.

H. COORDINATE CUTTING AND PATCHING AS NECESSARY WITH GENERAL CONTRACTOR FOR REQUIRED FLOOR, WALL, AND ROOF OPENINGS.

I. PROVIDE UL LISTED EXPANSION FITTINGS FOR ALL CONDUITS CROSSING OVER EXPANSION JOINTS. FLEXIBLE CONDUIT SHALL NOT TO BE INSTALLED FOR THIS PURPOSE.

J. ANY EXPOSED (AND/OR "VISIBLE TO THE PUBLIC") CONDUIT SHALL BE APPROVED BY THE OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION. PRIME, PREPARE, AND PAINT TO MATCH EXISTING ARCHITECTURAL FINISH.

K. COORDINATE SYSTEMS DEVICE LOCATIONS WITH THE MODULAR FURNITURE LAYOUT SUCH THAT DEVICES ARE NOT IN CONFLICT WITH THE FURNITURE VERTICAL SUPPORTS, FURNITURE PANELS, OR IN THE MIDDLE OF A KNEE SPACE.

L. COORDINATE MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL TELECOMMUNICATION ROOM OUTLETS, JUNCTION BOXES, AND EQUIPMENT WITH OWNER'S INFORMATION SYSTEMS REPRESENTATIVE AND TELECOMMUNICATIONS PROVIDER PRIOR TO INSTALLATION.

M. ALL DEVICES IN FINISHED AREAS ARE TO BE RECESSED FLUSH WITHIN WALLS. IN UNFINISHED AREAS (E.G. PLUMBING CHASES, JANITOR CLOSETS, ELECTRICAL ROOMS, MECHANICAL ROOMS, ETCETERA) DEVICES AND CONDUIT MAY BE SURFACE MOUNTED.

KEY NOTES

T3A. PROVIDE OUTDOOR RATED CAT6 CABLE RATED FOR HIGH FLEXBILITY FOR IP CAMERA. ROUTE CAT6 CABLE TO HARDENED NETWORK SWITCH INSIDE OF CAMERA NETWORK ENCLOSURE ON PASSENGER BOARDING BRIDGE.

T3B. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T13. PROVIDE CAT6 CABLING FROM GLOBAL ENTRY KIOSK BACK TO TELECOMMUNICATIONS ROOM 240.

T15. PROVIDE NEW WALL MOUNTED MONITOR FOR WORKSTATION. COORDINATE INSTALLATION WITH ARCHITECTURAL. PROVIDE DISPLAY PORT CABLING FROM MONITOR TO WORKSTATION INSIDE OF WIREMOLD.

T21. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

T53. PROVIDE (2) CAT6 CABLES FROM DATA JACK TO NETWORK SWITCH IN ROOM 240 FOR WORKSTATION CABLING.

T109. PROVIDE CAT6 CABLE FROM NEW IP CAMERA TO NETWORK SWITCH LOCATED IN ROOM 240. REFER TO CAMERA SCHEDULE ON SHEET T800 FOR MORE INFORMATION.

1 SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN - PASSENGER BOARDING BRIDGE
1/8" = 1'-0"

NORTH

9/3/2024 9:38:33 AM

SEH

Miller Dunwiddie
millerdunwiddie.com
100 Washington Ave South, Suite 500
Minneapolis, Minnesota 55401
612 337 0000

MCE
333 South 7th Street, Suite 1200
Minneapolis, Minnesota 55402
Main: 612-339-4941
www.michaudcooley.com

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	Addendum 4	09/04/24

SECOND LEVEL TELECOMMUNICATIONS FLOOR PLAN - PASSENGER BOARDING BRIDGE

T201