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ADDENDUM
(AD)

PROJECT: ***Nebraska Department of Correctional Svcs***
Cornhusker State Industries (CSI)
and Staff Training Academy (STA)
Security Camera Upgrade Project
Lincoln, Nebraska

AD NO.: ***1***

DATE: ***November 6, 2026***

NDCS PROJECT NO.: ***2507***

DDI PROJECT NO.: ***25-0090***

ISSUED BY: ***Jon Dalton, Coordinating Professional, Electrical Engineer***
Michael Smith, Mechanical Engineer

This addendum is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.
BIDDER MUST ENTER THE NUMBER OF THIS ADDENDUM ON HIS PROPOSAL SHEET

THE FOLLOWING ITEMS ARE GENERAL INFORMATION:

AD-1, ITEM #1:

In reference to the Pre-bid Meeting held November 3, 2026 at 9:00 am, attached please find the sign-in form and meeting notes.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS:

AD-1, ITEM #2:

In reference to Sheet E-102 – SECURITY FLOOR PLANS - CSI, in room 150, the camera on the north side of the room shall be moved to the east end storage aisle to match the changes shown on ES-102.

AD-1, ITEM #3:

In reference to Sheet ES-102 – CORNHUSKER STATE INDUCTRIES (CSI) – FLOOR PLANS, see attached updated sheet for revisions to camera type in room 149.

AD-1, ITEM #4:

In reference to Sheet ES-401 – VIDEO MANAGEMENT SYTEM DIAGRAM, see attached updated sheet for revisions to the camera schedule, system network diagram, and keyed notes.

END AD-1

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SIGN-IN FORM

PROJECT: ***Nebraska Dept of Corrections***
CSI and STA
Security Camera System Upgrade
Lincoln, NE

MEETING DATE: ***11/3/2026***

MEETING TIME: ***9:00 AM***

MEETING LOCATION: ***Site - CSI then STA***

MEETING NAME: ***Pre-Bid Meeting***

DAVIS DESIGN PROJECT NO.: ***25-0090***

Present at Meeting	Via Phone	Individual Name	Company Name	Telephone	Email Address
x	❑	Dalton, Jon	Davis Design	402-476-9700	jon.dalton@davisdesign.com
x	❑	Bornemeier, Nate	NDCS	402-479-5861	nathan.bornemeier@nebraska.gov
x	❑	Ellison, Chad	NDCS	402-479-5777	chad.ellison@nebraska.gov
x	❑	Butler, Joe	STS	531-229-3673	Joe@STSmail.biz
x	❑	Heath, Peter	STS	402-610-0474	PHeath@STSmail.biz
x	❑	Martindale, Shawn	CSI	402-471-1258	shawn.martindale@nebraska.gov
x	❑	Prochnow, Crystal	CSI	402-471-1232	crystal.prochnow@nebraska.gov
x	❑	Sloan, Jeffrey	CSI	402-326-4206	jeffrey.sloan@nebraska.gov
❑	❑				
❑	❑				
❑	❑				
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MEETING MINUTES

PROJECT: ***Nebraska Dept of Corrections***
CSI and STA
Security Camera System Upgrade
Lincoln, NE

MEETING DATE: ***11/3/2026***

MEETING TIME: ***9:00 AM***

MEETING LOCATION: ***Site – CSI then STA***

MEETING NAME: ***Pre-Bid Meeting***

DAVIS DESIGN PROJECT NO.: ***25-0090***

I. Introductions

A. Department of Corrections – Chad Ellison, Nate Bornemeier
B. Davis Design – Jon Dalton
C. Latta Technical Services – Igor Abadzic – (not in attendance)

II. Bid Requirements:

A. Bid Date: November **19, 2026**. 2:00 PM @ Bldg. 1, Folsom and West Prospector Place, Lincoln, NE 68522

Optional : P.O. Box 94661 – Lincoln, NE 68509-4661

Hand Delivery is the ONLY way to guarantee it will be delivered correctly and on time!

B. Bid Form (Proposal)
1. Base Bid
2. Unit Pricing

C. Pre-Qualification Requirements (28 0510)
D. Bid Security
E. Addendums: One, to be issued no later than Monday, November 16, 2026.

III. Security and Access Requirements

A. Screening and Controls

1. Worker Background Checks Mandatory. **All on-site personnel.**
2. Site Access – Any location near buildings for vehicles is fine.
3. Tools: Expect all tools to be removed each day, or stored in data closets or a Conex box.
4. Project should not require any large equipment for installation. Will need a lift in the high ceiling areas. Contractor to bring own lift.
5. No tobacco products on grounds or **Contraband Materials**
6. No firearms or weapons on person or in vehicles.
7. Cell phones. Main on-site superintendent my submit a request (Director's approval is required)

IV. Site Conditions

A. Controlled Project Area

1. Worker Parking – Any location near buildings for vehicles is fine. Parking next to the building in back is okay.
2. Material and tool storage: Bring as needed for daily installations.
3. Material Disposal: Coordinate with staff. Dumpster available by the 2 west buildings. Cardboard to be recycled.

V. Project Scope

A. The scope of this project includes replacement of several existing analog and IP cameras (refer to ES series drawings), and video surveillance system head-end equipment (including but not limiting to servers, video storage, media converters, etc.). The new cameras shall be IP based, high definition and POE cameras. All new cameras shall be manufactured by Bosch (to match NDCS standard). The new video management software shall be the latest available version of Bosch VMS (BVMS 14.0 +Patch 1). All cameras shall be recorded, and video storage shall be sized to retain video recording for 90 days. All cameras shall be continuously recording at native resolution at 15 images per second. Quiet time recording (no motion) shall be at native resolution and 2 images per second. The motion shall be estimated at 70%.

B. The existing CAT6 cables shall remain for reuse. All CAT6 cables that are planned to be reused shall be tested to confirm uncompromised signal strength. All cables failing this test shall be replaced with the new fiber optic cable for exterior cameras and CAT6 for interior cameras.

C. All new video system components shall be connected to network switches via CAT6 cable using patch panels. If any cable length between a component (camera, workstation, etc.) and a network switch, including slack, exceeds 300', provide new fiber optic cable, media converters and power supplies to support camera and media converter operation. Provide power for media converters from approved UPS circuits. All underground CAT6 runs shall be in conduit and shall utilize direct-burial rated cable.

D. Work shall be phased out to install all new infrastructure and servers, etc. in place prior to removing existing surveillance equipment. Coordinate with the owner for the phasing of work by area. A phasing plan shall be submitted for owner approval prior to commencement of work. Downtime of existing systems shall be kept to a minimum during the course of the installation.

E. Network switches shall be provided by the NDCS OCIO. Patch panels and associated head end patch cables shall be provided and installed by the contractor. 1 Gig should be sufficient.

F. All existing video surveillance equipment (including but not limited to cameras, video monitors, servers and recorders, etc.) shall be removed and returned to the owner in accordance with ES series of drawings. Inventory to be reallocated to Central Office.

G. New video management system equipment and all system components shall be powered from the back-up power systems with additional backup from uninterruptible power systems. New UPS backup shall provide for a minimum of 10 minutes at fully connected load. Refer to “E” series drawings for the power requirements.

H. All security integrator provided hardware (including but not limited to CPUs, IP cameras, monitors, servers, etc.) and software shall be the latest available products on the market at the date of the project implementation and no more than 6 months prior to the system installation. Notify owner of any pending upgrades.

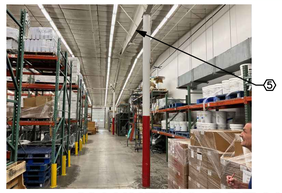
I. All licensing for cameras and software shall be included and no recurring license fees shall apply. The NDCS has standardized Bosch BVMS (latest version) software – it shall be purchased with all upgrades to allow the owner to replace cameras without additional license fees or software upgrade fees for the life of the system.

J. CAT6 cabling for new cameras shall be installed in conduit from the camera to the nearest accessible ceiling. Provide j-hooks and plenum-rated (CMP) cabling for all runs above accessible ceilings. Where accessible ceilings are not available, all cables shall be installed in conduit from the camera location to the designated security/IT cabinet.

K. Schedule

1. Contractor shall have all materials/new equipment in their position, prior to starting on site work.
2. The contractor will be expected to coordinate detailed schedules with the staff at each site.
3. Both existing and new systems may need to be operational during the installation and implementation of the new equipment to ensure video surveillance is maintained. (OCIO assistance may be required).

VI. Questions: Submit to Jon Dalton no later than 1:00 pm, Friday, November 13, 2026. jon.dalton@davisdesign.com



2 MOUNTING DETAIL AT EXISTING

ES-102 SCALE: NOT TO SCALE



3 MOUNTING DETAIL AT EXISTING

ES-102 SCALE: NOT TO SCALE

KEYED NOTES:

1. EXISTING ANALOG CAMERA TO BE REMOVED AND RETURNED TO OWNER. REPLACE EXISTING CAMERA WITH NEW IP BASED CAMERA (SEE CAMERA SCHEDULE). THE EXISTING COAX CABLE WILL BE REMOVED AND REPLACED WITH NEW CAT6 CABLE. PROVIDE NEW POE BT MEDIA CONVERTER (AMC 260M SERIES OR EQUAL) TO CONVERT SIGNAL FROM CAT6 TO EXISTING MM FIBER OPTIC CABLE. USE THE EXISTING ENCLOSURE TO HOUSE NEW POE BT CONVERTER. PROVIDE 1-20A, 120VAC AT THE ENCLOSURE LOCATION. FOR TYPICAL ENCLOSURE REFER TO DETAIL 3/ES101.
2. NEW IP CAMERA LOCATION. PULL NEW CAT6 CABLING. PLENUM CABLE SHALL BE PULLED ON J-HOOKS WHERE CEILING IS ACCESSIBLE. PROVIDE CONDUIT FROM CAMERA TO NEAREST ACCESSIBLE CEILING SPACE. IF THERE IS NO ACCESSIBLE CEILING RUN CONDUIT FROM THE CAMERA TO ROOM 159 OR 136 (SELECT ROOM CLOSER TO THE CAMERA LOCATION).
3. NOT USED.
4. NOT USED.
5. NOT USED.
6. NOT USED.
7. NEW CAMERA SHALL BE PENDANT-MOUNTED 14' ABOVE THE FINISHED FLOOR. FOR THE CAMERA MOUNTING DETAIL REFER TO THE "E" SERIES OF DRAWINGS.
8. INSTALL THE CAMERAS ON A LONG POLE ANCHORED TO THE STEEL BEAM. ENSURE THE POLE LENGTH ALLOWS THE CAMERA TO SIT ONE FOOT BELOW THE ADJACENT PENDANT LIGHT FIXTURE. THE CAMERAS WILL BE INSTALLED IN THE MIDDLE OF EACH AISLE.
9. EXISTING CAMERA TO BE REMOVED AND RETURNED TO THE OWNER.

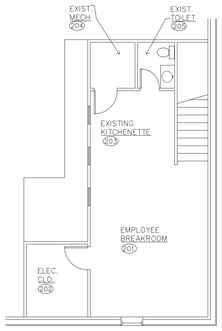


1 FIRST FLOOR PLAN

ES-102 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. LOCATION AND QUANTITY OF ALL EXISTING ELECTRONIC SECURITY FIELD DEVICES SHOWN ARE BASED ON AS-BUILT DRAWINGS. FIELD-VERIFY AND CONFIRM LOCATION, QUANTITY, AND FUNCTIONALITY OF ALL EXISTING DEVICES.
2. THE PROJECT SCOPE INCLUDES REPLACEMENT OF ALL EXISTING ANALOG AND IP CAMERAS (REFER TO DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS). REPLACE EXISTING VIDEO VIEWING STATIONS, MANAGEMENT SERVERS, RECORDING SERVERS, AND STORAGE UNITS IN THEIR ENTIRETY. ALL NEW CAMERAS SHALL BE MANUFACTURED BY BOSCH TO MATCH EXISTING NDCS FACILITY STANDARDS. NEW VIDEO MANAGEMENT SOFTWARE SHALL BE BOSCH VMS V14.1 OR THE LATEST AVAILABLE VERSION AT THE TIME OF INSTALLATION. SIZE STORAGE TO RETAIN VIDEO DATA FOR A MINIMUM OF 90 DAYS WHILE CONTINUOUS RECORDING AT NATIVE RESOLUTION @ 15 IPS (IMAGES PER SECOND). RECORD AT NATIVE RESOLUTION @ 2 IPS DURING PERIODS OF NO MOTION ("QUIET TIME"). STORAGE CALCULATIONS SHALL BE BASED ON AN ESTIMATED 70% MOTION DUTY CYCLE.
3. WORK SHALL BE PHASED TO INSTALL ALL NEW INFRASTRUCTURE, SERVERS, AND RELATED COMPONENTS PRIOR TO THE DECOMMISSIONING OF EXISTING SURVEILLANCE EQUIPMENT. COORDINATE PHASING BY AREA WITH THE OWNER. THE CONTRACTOR SHALL SUBMIT A DETAILED PHASING PLAN FOR OWNER APPROVAL PRIOR TO COMMENCEMENT OF WORK. SYSTEM DOWNTIME SHALL BE MINIMIZED THROUGHOUT THE INSTALLATION PROCESS.
4. REMOVE ALL EXISTING ANALOG CAMERAS AND REPLACE WITH NEW IP-BASED POE CAMERAS AS SHOWN. REMOVE EXISTING COAXIAL CABLING AND REPLACE WITH NEW CAT6 CABLING. EXISTING CONDUITS MAY BE REUSED WHERE THE TOTAL CAT6 CABLE PATH FROM THE CAMERA TO THE NETWORK SWITCH IS 295' (90M) OR LESS. WHERE CABLE PATHS EXCEED 295', THE CONTRACTOR SHALL PROVIDE NEW FIBER OPTIC CABLING, MEDIA CONVERTERS, AND LOCAL POWER SUPPLIES AS REQUIRED TO SUPPORT FULL CAMERA AND MEDIA CONVERTER OPERATION. GAMECHANGER CABLE BY PAIGE DATACOM SOLUTIONS WILL BE CONSIDERED AS OPTION FOR THE FIBER OPTIC CABLE REPLACEMENT.
5. EXISTING CAT6 CABLING SHALL BE RETAINED FOR REUSE. ALL CABLES SLATED FOR REUSE SHALL BE CERTIFIED TO ENSURE COMPLIANCE WITH TIA/EIA-568-C.2 STANDARDS. ANY CABLING FAILING CERTIFICATION SHALL BE REPLACED WITH NEW FIBER OPTIC CABLING FOR EXTERIOR CAMERAS OR NEW CAT6 CABLING FOR INTERIOR CAMERAS.
6. ALL NEW VIDEO SYSTEM COMPONENTS SHALL BE CONNECTED TO NETWORK SWITCHES VIA CAT6 CABLING AND PATCH PANELS. WHERE THE TOTAL CABLE RUN (INCLUDING SLACK AND PATCH CORDS) EXCEEDS 295' (90M), THE CONTRACTOR SHALL PROVIDE NEW FIBER OPTIC CABLING, MEDIA CONVERTERS, AND LOCAL POWER SUPPLIES. MEDIA CONVERTERS SHALL BE POWERED FROM OWNER-APPROVED UPS CIRCUITS. ALL UNDERGROUND CAT6 RUNS SHALL BE INSTALLED IN CONDUIT AND UTILIZE GEL-FILLED, DIRECT-BURIAL RATED (OUTDOOR) CABLING.
7. CAT6 CABLING FOR NEW CAMERAS SHALL BE INSTALLED IN CONDUIT FROM THE CAMERA TO THE NEAREST ACCESSIBLE CEILING. PROVIDE J-HOOKS AND PLENUM-RATED (CMP) CABLING FOR ALL RUNS ABOVE ACCESSIBLE CEILINGS. WHERE ACCESSIBLE CEILINGS ARE NOT AVAILABLE, ALL CABLING SHALL BE INSTALLED IN CONDUIT FROM THE CAMERA LOCATION TO THE DESIGNATED SECURITY/IT CABINET.
8. NETWORK SWITCHES SHALL BE PROVIDED BY THE NDCS_OCIO.
9. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PATCH PANELS AND ASSOCIATED HEAD-END PATCH CORDS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
10. ALL EXISTING VIDEO SURVEILLANCE EQUIPMENT (INCLUDING, BUT NOT LIMITED TO, CAMERAS, MONITORS, SERVERS, AND RECORDERS) SHALL BE CAREFULLY REMOVED AND TURNED OVER TO THE OWNER. COORDINATE A DELIVERY LOCATION AND OBTAIN A SIGNED RECEIPT FROM THE OWNER UPON DELIVERY.
11. EACH CAMERA MOUNTING LOCATION SHALL BE FIELD-VERIFIED TO ENSURE OPTIMAL VIDEO COVERAGE. THE CONTRACTOR SHALL OBTAIN FORMAL APPROVAL AND SIGN-OFF FROM THE OWNER OR ENGINEER PRIOR TO PERMANENT INSTALLATION. FOR NEW CAMERA LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY OBSTRUCTIONS OR CONFLICTS INTERFERING WITH THE INTENDED FIELD OF VIEW BEFORE PROCEEDING WITH INSTALLATION.
12. ALL REMOVED EXISTING CABLING SHALL BE PROPERLY DISPOSED OF OFF-SITE BY THE CONTRACTOR. REMOVED CABLING SHALL NOT BE TURNED OVER TO THE OWNER UNLESS NOTED OTHERWISE.
13. REFER TO THE "E" SERIES DRAWINGS FOR ALL POWER REQUIREMENTS AND CONDUIT ROUTING.
14. THE ELECTRONIC SECURITY CONTRACTOR (ESC) SHALL COORDINATE ALL IP ADDRESSING AND VLAN CONFIGURATIONS WITH THE OWNER'S IT DEPARTMENT DURING THE SUBMITTAL PHASE. THE ESC SHALL SUBMIT A COMPLETED IP ADDRESS SCHEDULE FOR OWNER REVIEW AND APPROVAL PRIOR TO SYSTEM PROGRAMMING.
15. FOR CAMERAS WITH POWER LOADS EXCEEDING 30W, THE CONTRACTOR SHALL PROVIDE AND INSTALL PoE+ (802.3at) OR PoE++ (802.3bt) INJECTORS AS REQUIRED BY THE MANUFACTURER'S PEAK LOAD SPECIFICATIONS.



2 SECOND FLOOR PLAN

ES-102 SCALE: 1/8" = 1'-0"

Lincoln
1221 N Street, Suite 600
Lincoln NE 68508
Phone 402-476-9700
Fax 402-476-9722

Vermillion
15 East Main, Suite 201
Vermillion SD 57069
Phone 605-624-1061

davis design

LaitaTech
Advanced Security Engineering
LATTA TECHNICAL SERVICES INC.
1255 West 15th Street, Suite 300
Plano, TX 75075
P: (972) 712-5695 F: (469) 467-0300
Corporate P.E. Board Reg. No: CA1424

NEBRASKA CERTIFICATE OF AUTHORIZATION #CA-1424

PROFESSIONAL MECHANICAL ENGINEER
MICHAEL JOSEPH SMITH
E-14620
STATE OF NEBRASKA

11/06/2026

CLIENT INFORMATION

NE Dept of Correctional Services

4201 S 14th St
Lincoln, NE 68502

PROJECT INFORMATION

Cornhusker State Industries & Staff Training Academy - Security Camera Upgrade Project

Job #	25-0090
ISSUE DATE:	10-21-2026

Revisions:	
ID	Date / Description
1	11/06/2026 ADDENDUM #1

CHECKED: DN
AUTHOR: IC

DAVIS DESIGN ALL RIGHTS RESERVED

SHEET TITLE

CORNHUSKER STATE INDUSTRIES (CSI) - FLOOR PLANS

SHEET NUMBER

ES-102

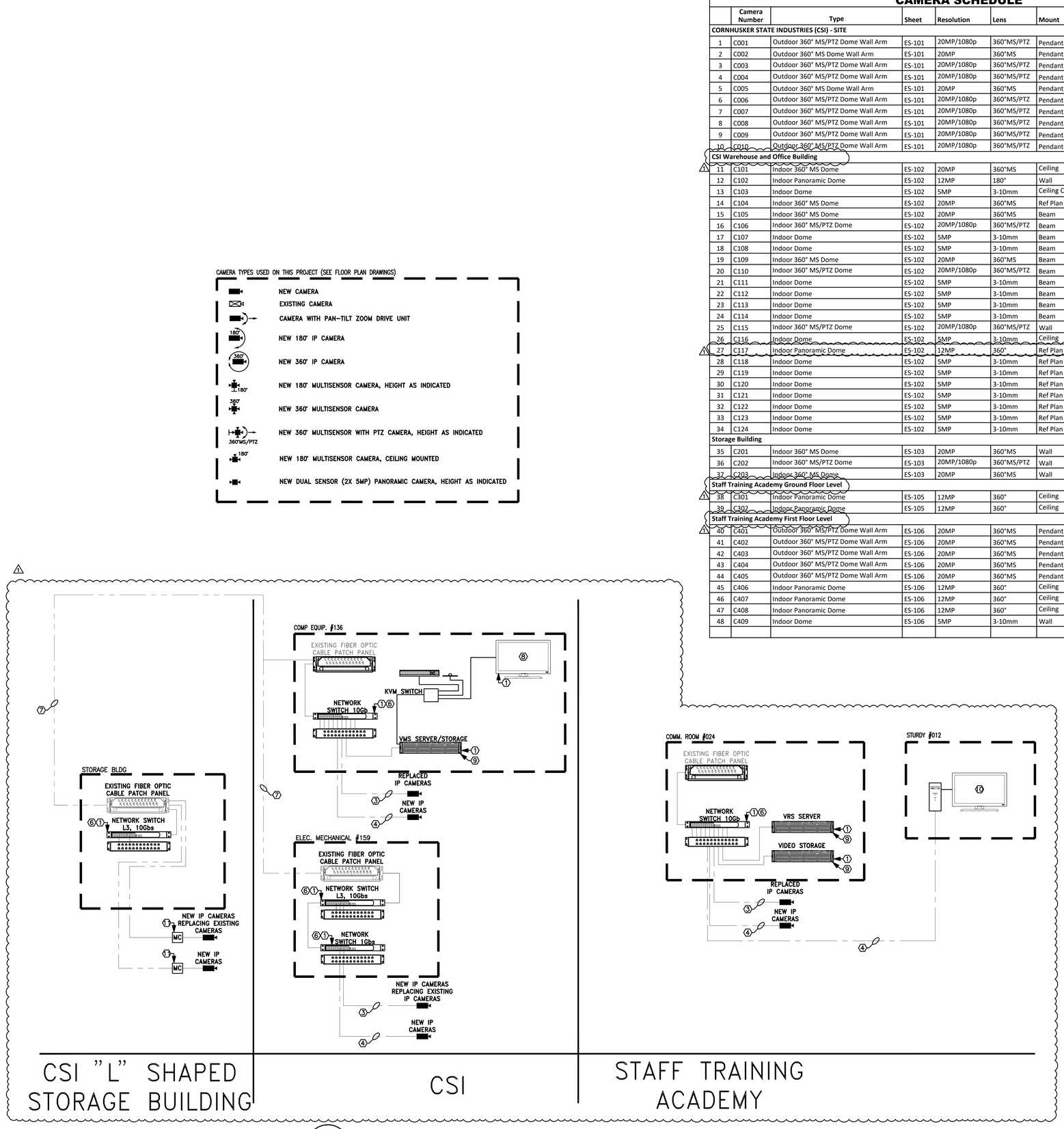
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CAMERA TYPES USED ON THIS PROJECT (SEE FLOOR PLAN DRAWINGS)

- NEW CAMERA
- EXISTING CAMERA
- CAMERA WITH PAN-TILT ZOOM DRIVE UNIT
- 180° — NEW 180° IP CAMERA
- 360° — NEW 360° IP CAMERA
- 180° — NEW 180° MULTISENSOR CAMERA, HEIGHT AS INDICATED
- 360° — NEW 360° MULTISENSOR CAMERA
- 360°MS/PTZ — NEW 360° MULTISENSOR WITH PTZ CAMERA, HEIGHT AS INDICATED
- 180° — NEW 180° MULTISENSOR CAMERA, CEILING MOUNTED
- NEW DUAL SENSOR (2X 5MP) PANORAMIC CAMERA, HEIGHT AS INDICATED

CAMERA SCHEDULE

	Camera Number	Type	Sheet	Resolution	Lens	Mount	Notes:
CORNHUSKER STATE INDUSTRIES (CSI) - SITE							
1	C001	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
2	C002	Outdoor 360° MS Dome Wall Arm	ES-101	20MP	360°MS	Pendant Wall Arm	
3	C003	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
4	C004	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
5	C005	Outdoor 360° MS Dome Wall Arm	ES-101	20MP	360°MS	Pendant Wall Arm	
6	C006	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
7	C007	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Wall Arm	
8	C008	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Wall Arm	
9	C009	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
10	C010	Outdoor 360° MS/PTZ Dome Wall Arm	ES-101	20MP/1080p	360°MS/PTZ	Pendant Corner Wall Arm	
CSI Warehouse and Office Building							
11	C101	Indoor 360° MS Dome	ES-102	20MP	360°MS	Ceiling	
12	C102	Indoor Panoramic Dome	ES-102	12MP	180°	Wall	
13	C103	Indoor Dome	ES-102	5MP	3-10mm	Ceiling Corner	
14	C104	Indoor 360° MS Dome	ES-102	20MP	360°MS	Ref Plan	
15	C105	Indoor 360° MS Dome	ES-102	20MP	360°MS	Beam	
16	C106	Indoor 360° MS/PTZ Dome	ES-102	20MP/1080p	360°MS/PTZ	Beam	
17	C107	Indoor Dome	ES-102	5MP	3-10mm	Beam	
18	C108	Indoor Dome	ES-102	5MP	3-10mm	Beam	
19	C109	Indoor 360° MS Dome	ES-102	20MP	360°MS	Beam	
20	C110	Indoor 360° MS/PTZ Dome	ES-102	20MP/1080p	360°MS/PTZ	Beam	
21	C111	Indoor Dome	ES-102	5MP	3-10mm	Beam	
22	C112	Indoor Dome	ES-102	5MP	3-10mm	Beam	
23	C113	Indoor Dome	ES-102	5MP	3-10mm	Beam	
24	C114	Indoor Dome	ES-102	5MP	3-10mm	Beam	
25	C115	Indoor 360° MS/PTZ Dome	ES-102	20MP/1080p	360°MS/PTZ	Wall	
26	C116	Indoor Dome	ES-102	5MP	3-10mm	Ceiling	
27	C117	Indoor Panoramic Dome	ES-102	12MP	360°	Ref Plan	
28	C118	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
29	C119	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
30	C120	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
31	C121	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
32	C122	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
33	C123	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
34	C124	Indoor Dome	ES-102	5MP	3-10mm	Ref Plan	
Storage Building							
35	C201	Indoor 360° MS Dome	ES-103	20MP	360°MS	Wall	
36	C202	Indoor 360° MS/PTZ Dome	ES-103	20MP/1080p	360°MS/PTZ	Wall	
37	C203	Indoor 360° MS Dome	ES-103	20MP	360°MS	Wall	
Staff Training Academy Ground Floor Level							
38	C301	Indoor Panoramic Dome	ES-105	12MP	360°	Ceiling	
39	C302	Indoor Panoramic Dome	ES-105	12MP	360°	Ceiling	
Staff Training Academy First Floor Level							
40	C401	Outdoor 360° MS/PTZ Dome Wall Arm	ES-106	20MP	360°MS	Pendant Corner Wall Arm	
41	C402	Outdoor 360° MS/PTZ Dome Wall Arm	ES-106	20MP	360°MS	Pendant Corner Wall Arm	
42	C403	Outdoor 360° MS/PTZ Dome Wall Arm	ES-106	20MP	360°MS	Pendant Corner Wall Arm	
43	C404	Outdoor 360° MS/PTZ Dome Wall Arm	ES-106	20MP	360°MS	Pendant Corner Wall Arm	
44	C405	Outdoor 360° MS/PTZ Dome Wall Arm	ES-106	20MP	360°MS	Pendant Corner Wall Arm	
45	C406	Indoor Panoramic Dome	ES-106	12MP	360°	Ceiling	
46	C407	Indoor Panoramic Dome	ES-106	12MP	360°	Ceiling	
47	C408	Indoor Panoramic Dome	ES-106	12MP	360°	Ceiling	
48	C409	Indoor Dome	ES-106	5MP	3-10mm	Wall	



1 SYSTEM NETWORK DIAGRAM
ES-401 SCALE: NOT TO SCALE

LEGEND:

DATA CABLE/CAT 6
FIBER OPTIC CABLE

GENERAL NOTES:

1. LOCATION AND NUMBER OF ALL EXISTING ELECTRONIC SECURITY FIELD DEVICES SHOWN ON THIS DRAWING ARE BASED ON AS-BUILT DRAWINGS. FIELD VERIFY AND CONFIRM LOCATION, NUMBER AND FUNCTIONALITY OF ALL EXISTING FIELD DEVICES.
2. REFER TO CAMERA SCHEDULE FOR THE EXACT CAMERA MOUNTING LOCATIONS AND TYPES. THE FINAL CAMERAS MOUNTING LOCATIONS SHALL BE FIELD VERIFIED (TO PROVIDE OPTIMUM VIEW) AND CONFIRMED BY THE OWNER AND SECURITY CONSULTANT. (REFER TO ES5.01).
3. ALL EXISTING AND NEW WIRING SHALL BE MANAGED IN ACCORDANCE TO APPLICABLE CODES AND INDUSTRY STANDARDS. ALL EXISTING AND NEW WIRING SHALL BE LABELED PER CONSTRUCTION DOCUMENTS REQUIREMENTS.
4. FIBER OPTIC PATCH PANELS SHALL BE USED TO TERMINATE AND DISTRIBUTE ALL FIBER OPTIC CABLES IN EQUIPMENT CABINETS/ENCLOSURES.
5. PATCH PANELS SHALL BE USED TO TERMINATE AND DISTRIBUTE ALL DATA CABLES (CAT6) IN EQUIPMENT CABINETS/ENCLOSURES
6. ALL NETWORK SWITCHES FOR THE ELECTRONIC SECURITY SYSTEM SHALL BE PROVIDED BY THE OWNER (NDCS-OCIO). ELECTRONIC SECURITY CONTRACTOR SHALL COORDINATE SWITCHES SETUP WITH THE OWNER. ALL IP ADDRESSES AND VLAN CONFIGURATION SHALL BE COORDINATED BETWEEN THE ELECTRONIC SECURITY CONTRACTOR AND THE OWNER DURING THE SUBMITTAL PROCESS.
7. USE THE EXISTING FIBER OPTIC BACKBONE.
8. ALL GENERAL NOTES SHOWN ON THE FLOOR PLAN DRAWINGS APPLY TO THIS DRAWING.

NOTES

1. 120 VAC, 20A POWER FROM THE EXISTING AND NEW UPS. REUSE EXISTING UPS POWER RECEPTACLE WHERE AVAILABLE.
2. NEW VIDEO VIEWING/MONITORING WORKSTATION (43" 4K MONITOR, CPU, MOUSE AND KEYBOARD). PROVIDE HDMI CABLE FOR CONNECTION BETWEEN VIDEO MONITORS AND DECODER.
3. REUSE CAT6 CABLE IN THE EXISTING CONDUIT.
4. NEW CAT6 CABLE IN NEW 3/4" CONDUIT.
5. REMOVE EXISTING COAX CABLE AND PROVIDE NEW CAT6 CABLE.
6. EXISTING/NEW LAYER 3, 10G 24 PORT NETWORK SWITCH. PROVIDE QUANTITY AS REQUIRED TO ACCOMMODATE ALL VMS FIELD DEVICES AND AND EQUIPMENT. PROVIDED BY NDCS OCIO.
7. EXISTING FIBER OPTIC CABLE AND CONDUIT. SHOWN CONDUIT ROUTING IS JUST DIAGRAMMATIC REPRESENTATION OF THE EXISTING FIBER OPTIC BACKBONE.
8. EXISTING VIDEO VIEWING MONITOR TO BE CONNECTED TO A NEW KVM SWITCH TO ALLOW ACCESS TO VMS SERVER.
9. NEW VIDEO MANAGEMENT SERVER (VMS) SERVER. THE SERVER SHALL MANAGE CAMERAS VIDEO RECORDING AND DISTRIBUTION. NEW ARRAY OF HARD DRIVES IN RAID 6 CONFIGURATION FOR VIDEO RECORDING STORAGE. PROVIDE QUANTITY AS REQUIRED TO MEET CONSTRUCTION DOCUMENTS REQUIREMENTS.
10. NEW VIDEO VIEWING/MONITORING STATION (27" LED MONITOR, CPU AND KEYBOARD). PROVIDE HDMI CABLE FOR CONNECTION BETWEEN VIDEO MONITOR AND CPU.
11. PROVIDE POE FIBER OPTIC MEDIA CONVERTER (AMGG260M SERIES OR EQUAL)

davis design
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Corporate P.E. Board Reg. No: CA1424

NEBRASKA CERTIFICATE OF AUTHORIZATION #CA-1424

PROFESSIONAL MECHANICAL ENGINEER
MICHAEL JOSEPH SMITH
E-14620
STATE OF NEBRASKA
11/06/2026

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PROJECT INFORMATION
Cornhusker State Industries & Staff Training Academy - Security Camera Upgrade Project

Job # 25-0090
ISSUE DATE: 10-21-2026
Revisions:
ID /Date: Description:
1 /11/06/2026 ADDENDUM #1

CHECKED: DN
AUTHOR: IC
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SHEET TITLE
VIDEO MANAGEMENT SYSTEM DIAGRAM

SHEET NUMBER
ES-401

G.010