

IOWA LABS

SECURITY CAMERA UPGRADES

ANKENY, IA

INDEX OF DRAWINGS

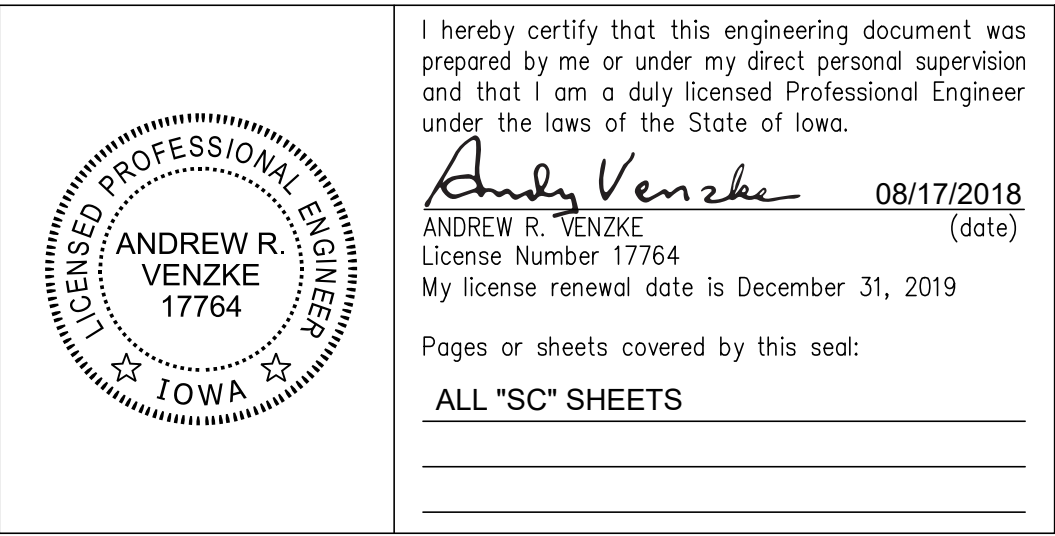
SECURITY

SHEET NUMBER	DESCRIPTION
SC000	SECURITY SYMBOLS AND ABBREVIATIONS
SC001	SECURITY SCHEMATICS AND SCHEDULES
SC010	SITE PLAN - SECURITY - BASE BID
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SC200	SECURITY DETAILS



PROJECT DRAWINGS

08/17/2018
20176525



Omaha: 1201 Cass Street
Omaha Nebraska 68102
Phone: (402) 346-7007

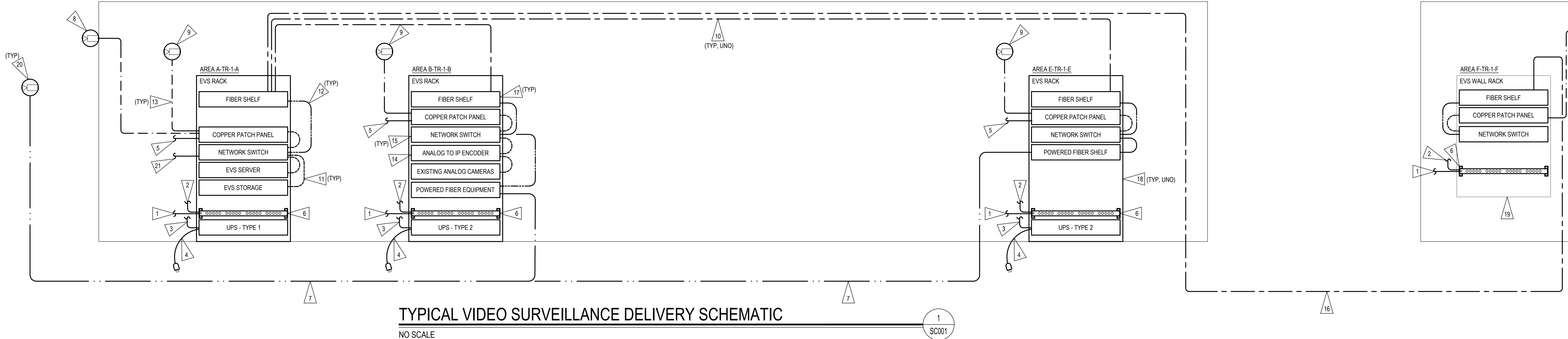
Lincoln: 1800 O Street, Suite 104
Lincoln, Nebraska 68508
Phone: (402) 477-6161

Oklahoma City: 13421 Broadway Extension, Suite 101
Oklahoma City, Oklahoma 73114
Phone: (405) 936-3480

Des Moines: 400 East Court Ave, Suite 130
Des Moines, Iowa 50309
Phone: (515) 243-0569



[illegible]



TYPICAL VIDEO SURVEILLANCE DELIVERY SCHEMATIC

NO SCALE

1
SC001

Security Camera Schedule

LINE	CAMERA NAME	CAMERA MODEL	CAMERA TYPE	LOCATION	FIELD OF VIEW	SURVEILLANCE TYPE	CAMERA RESOLUTION	LENS TYPE	FOCAL LENGTH MIN/MAX (mm)	ENCLOSURE TYPE	DETAIL#	RECORDING	STORAGE DURATION	CABLE NOTES	CAMERA NOTES
1	S.1	AXIS Q3517-LVE	POLE DOME	SITE	DO LOT	RECOGNITION OF FACE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	MOTION	60 DAYS	B	5
2	S.2	AXIS Q3517-LVE	POLE DOME	SITE	MAIN PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	247	60 DAYS	B	5
3	S.3	AXIS Q3517-LVE	POLE DOME	SITE	MAIN PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	247	60 DAYS	B	6
4	S.4	AXIS Q3517-LVE	POLE DOME	SITE	MAIN PARKING LOT ENTRY	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	MOTION	60 DAYS	B	5
5	S.5	AXIS Q3517-LVE	POLE DOME	SITE	GATE ENTRANCE ROAD	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	MOTION	60 DAYS	B	6
6	S.6	AXIS Q3517-LVE	WALL DOME	SITE	GATE ENTRANCE	RECOGNITION OF FACE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
7	S.7	AXIS Q3517-LVE	WALL DOME	SITE	SERVICE YARD	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	6
8	S.8	AXIS Q3517-LVE	WALL DOME	SITE	PERIMETER FENCE	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
9	S.9	AXIS Q3517-LVE	CORNER DOME	SITE	SERVICE YARD	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	55SC200	MOTION	60 DAYS	A	5
10	S.10	AXIS Q3517-LVE	CORNER DOME	SITE	PERIMETER FENCE	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	55SC200	MOTION	60 DAYS	A	6
11	S.11	AXIS Q3517-LVE	POLE DOME	SITE	PERIMETER FENCE	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	MOTION	60 DAYS	A	5
12	S.12	AXIS Q3517-LVE	WALL DOME	SITE	ME LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	B	5
13	S.13	AXIS Q3517-LVE	POLE DOME	SITE	ME DRIVE	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	15SC200	MOTION	60 DAYS	A	5
14	S.14	AXIS Q3517-LVE	WALL DOME	SITE	ME GATE ENTRANCE	RECOGNITION OF FACE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
15	S.15	AXIS Q3517-LVE	WALL DOME	SITE	DCI RECEIVING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
16	S.16	AXIS Q3517-LVE	POLE DOME	SITE	MAIN PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	247	60 DAYS	B	5
17	S.17	AXIS Q3517-LVE	WALL DOME	SITE	MAIN PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
18	S.18	AXIS Q3517-LVE	WALL DOME	SITE	DO PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
19	S.19	AXIS Q3517-LVE	WALL DOME	SITE	SERVICE YARD	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
20	S.20	AXIS Q3517-LVE	WALL DOME	SITE	DO PARKING LOT	GENERAL SURVEILLANCE	SMP	VARI-FOCAL	4.1 9	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5
21	LL.A.1	AXIS M-3037	PANORAMIC DOME	LOWER LEVEL - AREA A	EVID. LOBBY/ENTRANCE	RECOGNITION OF FACE	SMP	FIXED	1.27 1.27	INDOOR DOME	35SC200	MOTION	60 DAYS	A	24.5
22	LL.A.2	AXIS P3374-LV	CEILING DOME	LOWER LEVEL - AREA A	PASSAGE A240	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.5
23	LL.A.3	AXIS P3374-LV	CEILING DOME	LOWER LEVEL - AREA A	EVID. WORK RM. A228	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
24	LL.A.4	AXIS P3374-LV	CEILING DOME	LOWER LEVEL - AREA A	BALLISTICS A071	RECOGNITION OF FACE	3MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
25	LL.A.5	AXIS P3374-LV	CEILING DOME	LOWER LEVEL - AREA A	VEH EXAM BAY A488	RECOGNITION OF FACE	3MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	6
26	1.A.1	AXIS M-3037	PANORAMIC DOME	FIRST FLOOR - AREA A	RECEIPT WAIT A168	RECOGNITION OF FACE	SMP	FIXED	1.27 1.27	INDOOR DOME	35SC200	MOTION	60 DAYS	A	24.5
27	1.A.2	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA A	DOOR A103	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.5
28	1.A.3	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA A	CORR A162	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
29	1.A.4	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA A	CORR A1202	GENERAL SURVEILLANCE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
30	1.A.5	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA A	CORR A1202	GENERAL SURVEILLANCE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
31	1.B.1	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	REC VEST B141	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	6
32	1.B.2	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	VEST B133	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
33	1.B.3	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	CORR B168	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
34	1.B.4	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	PASSAGE B189	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
35	1.B.5	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	PASSAGE B189	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
36	1.B.6	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	GALLERY B164	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
37	1.B.7	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	GALLERY B164	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
38	1.B.8	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA B	BODY RECEIV B136	GENERAL SURVEILLANCE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	6
39	1.C.1	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA C	VESTIBULE C101	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	6
40	1.C.2	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA C	PASSAGE C103	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.5
41	1.D.1	AXIS P3374-LV	CEILING DOME	FIRST FLOOR - AREA D	CORR D137	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	INDOOR DOME	35SC200	MOTION	60 DAYS	A	1.6
42	1.F.1	AXIS P3375-LVE	WALL DOME	FIRST FLOOR - AREA F	BACK ENTRY DOOR	RECOGNITION OF FACE	2MP	VARI-FOCAL	3 10	EXTERIOR DOME	75SC200	MOTION	60 DAYS	A	5

CAMERA NOTES:

- CAMERA SHALL BE PLACED INTO 9X16 CORRIDOR FORMAT.
- CAMERA SHALL PROVIDE A 360 DEGREE FIELD OF VIEW.
- CAMERA SHALL PROVIDE A 180 DEGREE FIELD OF VIEW.
- PROVIDE TWO-WAY AUDIO AND RECORD THE AUDIO FOR THE DURATION OF THE VIDEO FOOTAGE.
- BASE BID SECURITY CAMERA.
- ALTERNATE #1 BID SECURITY CAMERA.

CABLE NOTES:

- INDOOR RATED CATEGORY 6 CABLE.
- OUTDOOR RATED HYBRID FIBER OPTIC AND POWER CABLE.

GENERAL NOTES:

- SECURITY CAMERA MAKE AND MODEL IS INCLUDED AS DESIGN BASIS. REFER TO 28 2500 FOR ADDITIONAL SECURITY CAMERA MANUFACTURERS.
- REFER TO 28 2500 FOR ADDITIONAL INFORMATION REGARDING THE ELECTRONIC VIDEO SURVEILLANCE SYSTEM.
- REFER TO THIS SHEET FOR SECURITY SCHEMATIC AND CONNECTIVITY.
- REVIEW FINAL FOV WITH OWNER/ENGINEER PRIOR TO THE FINAL CONFIGURATION OF THE SYSTEM.
- VERIFY FINAL MOUNTING HEIGHTS OF EXTERIOR BUILDING MOUNT CAMERA WITH OWNER/ENGINEER PRIOR TO ROUGH-IN.
- UNLESS NOTED OTHERWISE ALL CAMERAS TO BE RECORDED AT FULL RESOLUTION AND 12 FPS.
- PROVIDE LENSES THAT ARE RATED FOR THE RESOLUTION OF THE CAMERA BEING PROVIDED.
- THE VARI-FOCAL LENS RANGE STATED IS APPROXIMATE. PROVIDE A VARI-FOCAL LENS WITH A MIN NO LESS THAN .5mm FROM THE VALUE STATED IN THE CAMERA SCHEDULE.
- SURVEILLANCE TYPE COLUMN IS INDICATED TO PROVIDE INFORMATION REGARDING THE FIELD OF VIEW AND PIXELS PER FOOT. FINAL CALCULATIONS SHALL BE PERFORMED BY INTEGRATOR AND SUBMITTED WITH SHOP DRAWINGS.
- PROVIDE REQUIRED MOUNTING ACCESSORIES AND MOUNTS AS REQUIRED.
- SECURITY CAMERAS SHALL HAVE OPTIMAL LOW LIGHT PERFORMANCE FEATURES, OPTIMAL WIDE DYNAMIC RANGE FEATURES, AND IR CORRECTED LENS AS REQUIRED.
- RECOGNITION OF FACE SHALL HAVE A MINIMUM OF 50 PIXELS PER FOOT OR BETTER AT SURVEILLANCE POINT.
- GENERAL SURVEILLANCE SHALL HAVE A MINIMUM OF 25 PIXELS PER FOOT OR BETTER AT SURVEILLANCE POINT.
- LABEL CABLES AT EACH END PER DETAIL 25SC200 AND DIVISION 27 SPECIFICATIONS.

FLAG NOTES

- PROVIDE #6 AWG GROUNDING CONDUCTOR FROM METALLIC EQUIPMENT ASSOCIATED WITH THE VIDEO SURVEILLANCE SYSTEM TO THE RACK MOUNT GROUND BAR.
- PROVIDE #6 AWG GROUNDING CONDUCTOR FROM RACK MOUNT GROUND BAR TO TELECOMMUNICATIONS GROUND BAR.
- PROVIDE CONNECTION FROM EQUIPMENT TO UPS.
- PROVIDE CONNECTION TO ELECTRICAL RECEPTACLE.
- PROVIDE CATEGORY 6 CABLE TO ASSOCIATED SECURITY DEVICE, SUCH AS BUT NOT LIMITED TO, SECURITY WORKSTATIONS AND SECURITY MONITORS.
- 1U RACK MOUNT GROUND BAR.
- OUTDOOR RATED, HYBRID POWERED FIBER OPTIC CABLEING.
- EXTERIOR BUILDING MOUNT CAMERA. PROVIDE INDOOR/OUTDOOR RATED CATEGORY 6 CABLEING AND SURGE PROTECTION DEVICE.
- INTERIOR MOUNT CAMERA.
- 12 STRAND, INTERLOCKING METALLIC ARMORED, OM4 MULTI-MODE FIBER OPTIC CABLEING.
- CATEGORY 6 COPPER PATCH CORDS.
- FIBER OPTIC PATCH CORDS.
- INDOOR PLENUM RATED, CATEGORY 6 CABLEING.
- RACK MOUNT CAMERA. PROVIDE RACK MOUNT ANALOG TO IP BASED SECURITY CAMERA ENCODER. PROVIDE LICENSES, NETWORK AND POWER CONNECTIONS AS REQUIRED TO COMPLETE A FULLY OPERATIONAL SYSTEM. EXISTING SECURITY CAMERAS NOT BEING REPLACED SHALL BE PLACED ONTO THE NEW VIDEO MANAGEMENT SYSTEM.
- PROVIDE NETWORK SWITCH.
- INDOOR/OUTDOOR RATED 12 STRAND, INTERLOCKING METALLIC ARMORED, OM4 MULTI-MODE FIBER OPTIC CABLEING.
- RACK MOUNT FIBER SHELF AND ASSOCIATED TERMINATION PANELS.
- EXISTING TWO-POST EQUIPMENT RACK.
- WALL-MOUNT CABINET. PROVIDE 3/4" A/C GRADE PLYWOOD WITH THE A SIDE FACING INTO THE ROOM AND TWO COATS OF FIRE RETARDANT PAINT.
- EXTERIOR POLE MOUNT SECURITY CAMERA.
- PROVIDE NETWORK CONNECTION TO OWNER'S ACCESS CONTROL SYSTEM. CONNECTION SHALL BE THERE TO UTILIZE A SINGLE EXISTING WORKSTATION FOR BOTH THE ACCESS CONTROL SYSTEM AND VIDEO MANAGEMENT SYSTEM.

No	Revisions	Date
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DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawings or all sites. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes. Verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

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SECURITY SCHEMATICS AND SCHEDULES

IOWA LABS SECURITY CAMERA UPGRADES

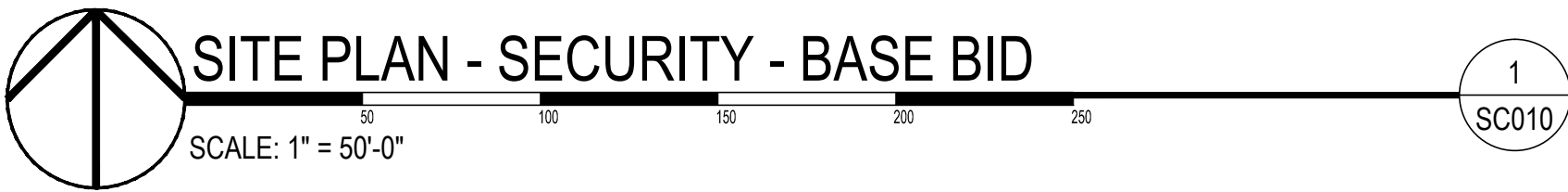
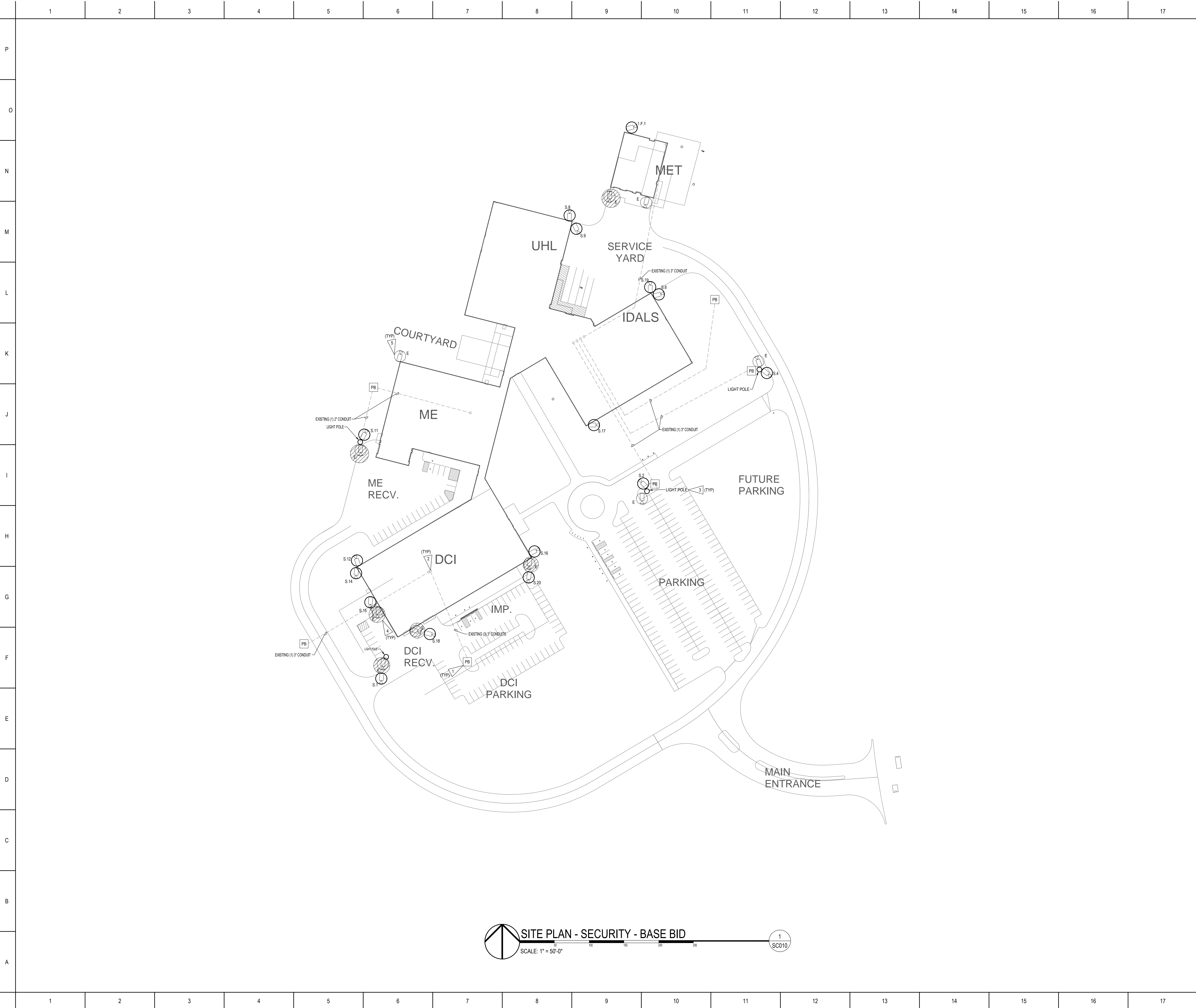
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Engineering

Omaha: 1201 Oak Street, Lincoln: 1800 O Street, Suite 104, Oklahoma City: 1247 Broadway Boulevard, Suite 101, Des Moines: 400 East Court Ave, Suite 100
Phone: (402) 344-7007 Phone: (402) 477-6161 Phone: (402) 477-6161 Phone: (515) 243-0248

Designed	File Name
TJA	20176525_SC001
Drawn	Project No.
NJS	20176525
Checked	Drawing No.
PSK	SC001
Date	08/17/2018



FLAG NOTES

1

EXISTING LOW VOLTAGE HAND-HOLE.

2

EXISTING CONDUIT STUBBED UP INTO EXISTING TELECOM ROOM. LOCATION SHOWN IS APPROXIMATE.

3

EXISTING LIGHT POLE. CAMERA CABLING AND CONNECTIVITY TO ROUTE THRU LIGHT POLE.

4

REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCES FROM CCTV SYSTEM UPON COMPLETION OF NEW SYSTEM. RETURN EQUIPMENT TO OWNER.

5

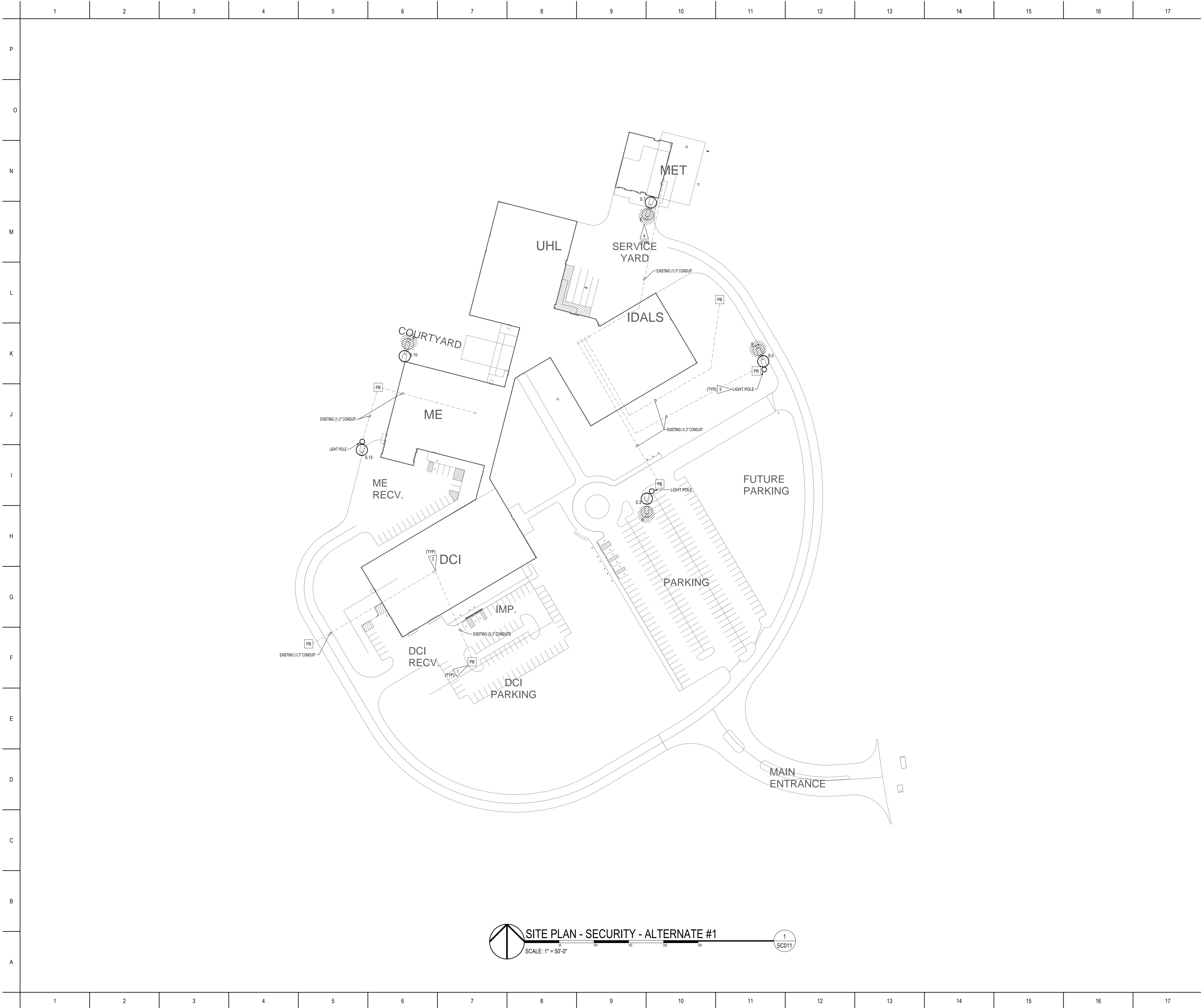
EXISTING ANALOG CAMERA TO REMAIN. CONNECT TO NEW VMS VIA ENCODER.

GENERAL NOTES

1.

WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER BASE BID.

No	Revisions	Date
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawings or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes. Verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.		
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SITE PLAN - SECURITY - BASE BID		
IOWA LABS SECURITY CAMERA UPGRADES		
ANKENY IOWA		
<div><div><div><div><div></div><div></div></div><div>ALVINE Engineering</div></div><div><div><div><div>Omaha: 1201 Cass Street Omaha, Nebraska 68102 Phone: (402) 344-7007</div><div><div>Lincoln: 1800 O Street, Suite 104 Lincoln, Nebraska 68506 Phone: (402) 477-6161</div><div><div>Oklahoma City: 12401 Broadway Boulevard, Suite 101 Oklahoma City, Oklahoma 73114 Phone: (405) 959-3499</div><div><div>Des Moines: 400 East Court Ave, Suite 100 Des Moines, Iowa 50319 Phone: (515) 243-8048</div></div></div></div></div></div></div></div></div>		
Designed	TJA	File Name 20176525_SC010
Drawn	NJS	Project No. 20176525
Checked	PSK	Drawing No. SC010
Date	08/17/2018	



1
EXISTING LOW VOLTAGE HAND-HOLE.

2
EXISTING CONDUIT STUBBED UP INTO EXISTING TELECOM ROOM. LOCATION SHOWN IS APPROXIMATE.

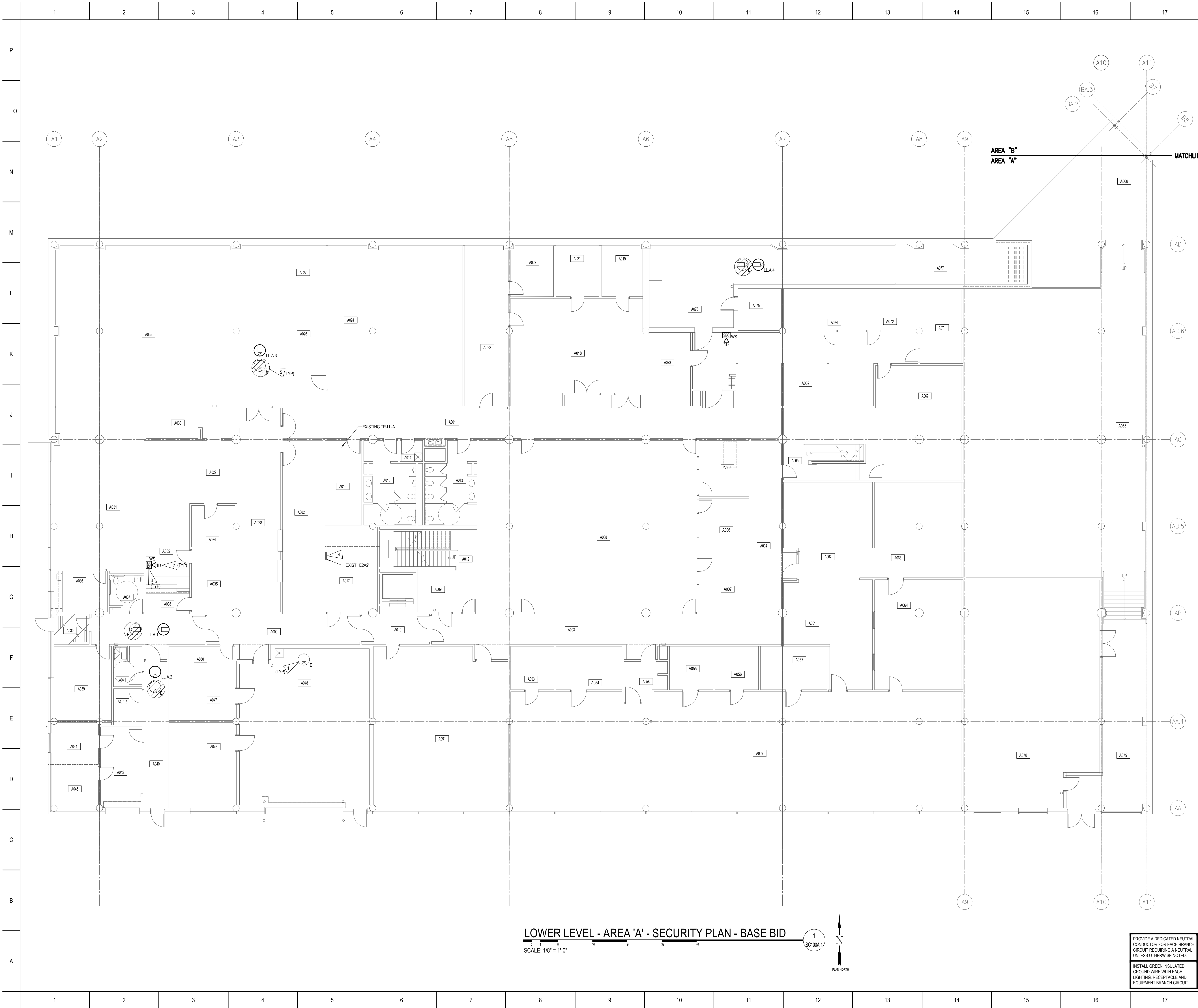
3
EXISTING LIGHT POLE. CAMERA CABLING AND CONNECTIVITY TO ROUTE THRU LIGHT POLE.

4
REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCES FROM CCTV SYSTEM UPON COMPLETION OF NEW SYSTEM. RETURN EQUIPMENT TO OWNER.

GENERAL NOTES

1. WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER ALTERNATE #1.

No	Revisions	Date
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SITE PLAN - SECURITY - ALTERNATE #1		
IOWA LABS SECURITY CAMERA UPGRADES		
ANKENY IOWA		
<div><div></div><div><div>Ottumwa: 1201 Oak Street Ottumwa, Missouri 62550 Phone: (661) 344-7007</div><div>Lincoln: 1800 O Street, Suite 104 Lincoln, Nebraska 68508 Phone: (402) 477-6161</div><div>Oklahoma City: 12401 Broadway Boulevard, Suite 101 Oklahoma City, Oklahoma 73114 Phone: (405) 959-3499</div><div>Des Moines: 400 East Court Ave, Suite 100 Des Moines, Iowa 50319 Phone: (515) 243-8048</div></div></div>		
Designed	TJA	20176525_SC011
Drawn	NJS	Project No.
Checked	PSK	20176525
Date	08/17/2018	Drawing No. SC011



FLAG NOTES

1

EXISTING ANALOG CAMERA TO REMAIN. CONNECT TO NEW VMS VIA ENCODER.

2

PROVIDE DATA WORK AREA OUTLET FOR CCTV MONITORING STATION.

3

CONNECT EXISTING WORKSTATION TO CCTV NETWORK. CONFIGURE WORKSTATION WITH VMS CLIENT.

4

PROVIDE NEW BREAKERS FOR NEW CIRCUITS. MATCH EXISTING TYPES AND RATINGS. UPDATE PANEL DIRECTORY AS REQUIRED.

5

REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCE FROM CCTV SYSTEM COMPLETION OF NEW IP-BASED CAMERA.

GENERAL NOTES

1

WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER IOWA DAS - BASE BID.

2

ROUTE CABLING TO EXISTING TR-1-A.

KEY PLAN

TRUE NORTH

No	Revisions	Date

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LOWER LEVEL - AREA 'A' - SECURITY PLAN - BASE BID

IOWA LABS SECURITY CAMERA UPGRADES

ANKENY IOWA

ALVINE Engineering

Olathe: 1201 Oak Street Lincoln, Nebraska 68508 Phone: (402) 348-7007

Lincoln: 1800 O Street, Suite 104 Lincoln, Nebraska 68508 Phone: (402) 477-6161

Olathe: 1201 Oak Street, Suite 104 Olathe, Nebraska 68508 Phone: (402) 477-6161

Des Moines: 400 East Court Ave, Suite 100 Des Moines, Iowa 50319 Phone: (515) 243-8048

Designed TJA

Drawn NJS

Checked PSK

Date 08/17/2018

File Name 20176525_SC100A.1

Project No. 20176525

Drawing No. SC100A.1

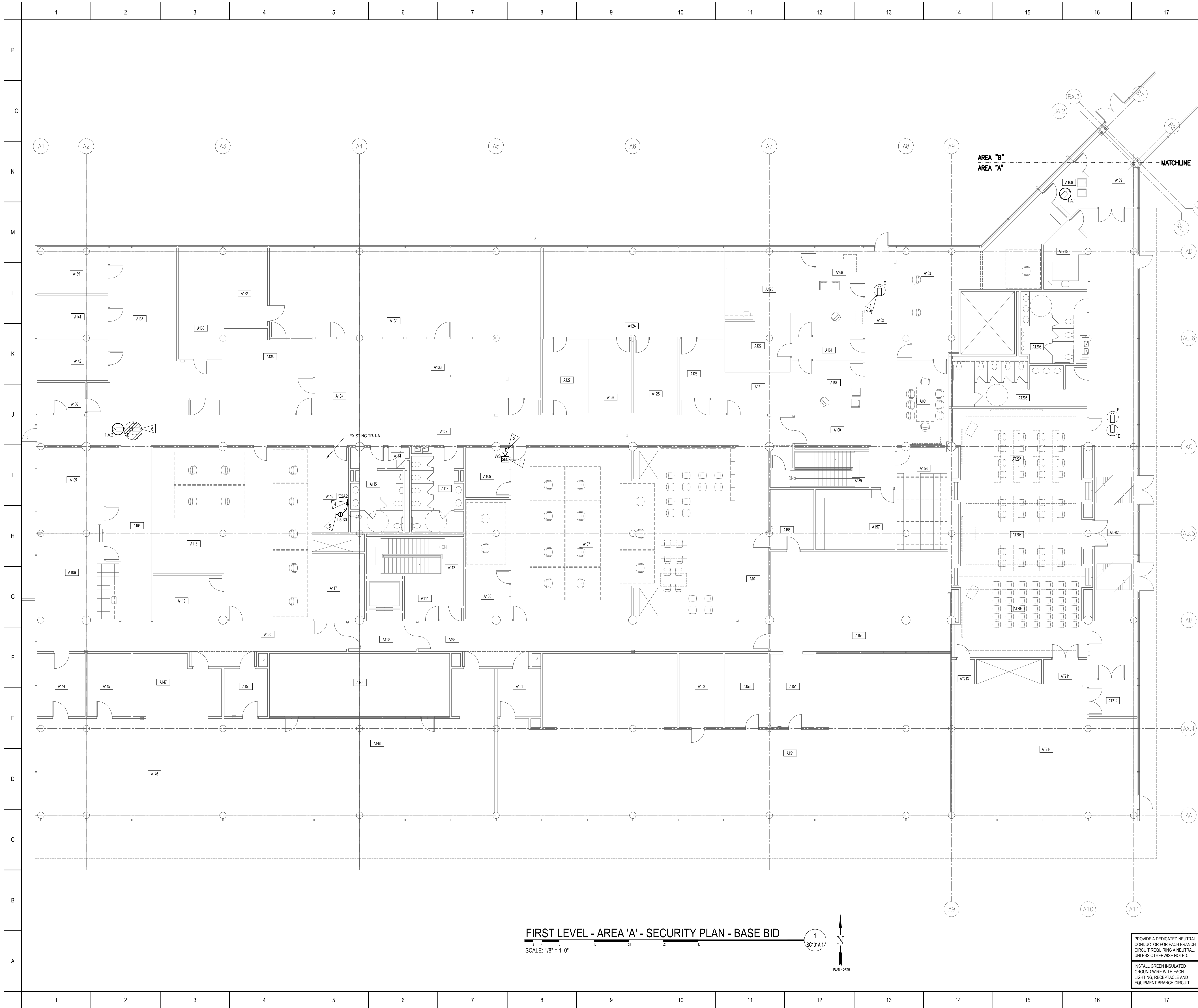
PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUIT.

1

SC100A.1

PLAN NORTH



FIRST LEVEL - AREA 'A' - SECURITY PLAN - BASE BID

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

1
SC101A.1



PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

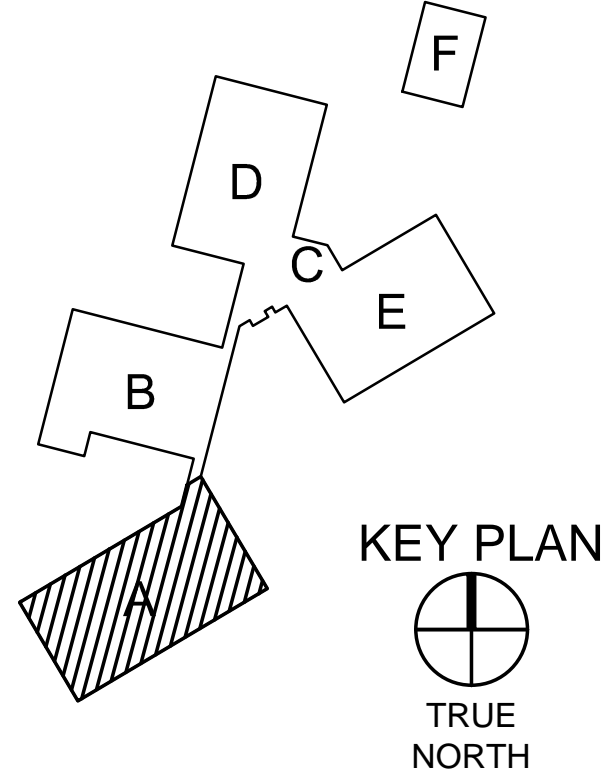
INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUIT.

FLAG NOTES

- EXISTING ANALOG CAMERA TO REMAIN. CONNECT TO NEW VMS VIA ENCODER.
- PROVIDE DATA WORK AREA OUTLET FOR CCTV MONITORING STATION.
- CONNECT EXISTING WORKSTATION TO CCTV NETWORK. CONFIGURE WORKSTATION WITH VMS CLIENT.
- PROVIDE 301 BREAKER. MATCH RATING.
- COORDINATE EXACT LOCATION WITH ENGINEER PRIOR TO INSTALLATION.
- REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCES FROM CCTV SYSTEM UPON COMPLETION OF NEW IP-BASED CAMERA.

GENERAL NOTES

- WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER BASE BID.
- ROUTE CABLING TO EXISTING TR-1-A.



No	Revisions	Date

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FIRST LEVEL - AREA 'A' - SECURITY PLAN - BASE BID

IOWA LABS
SECURITY CAMERA
UPGRADES

ANKENY IOWA



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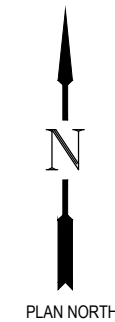
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TJA	20176525_SC101A.1
Drawn	Project No.
NJS	20176525
Checked	Drawing No.
PSK	SC101A.1
Date	08/17/2018

August 17, 2018 12:18 PM hnd.schmitt

FIRST LEVEL - AREA 'A' - SECURITY PLAN - ALTERNATE #1

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

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SC101A.2

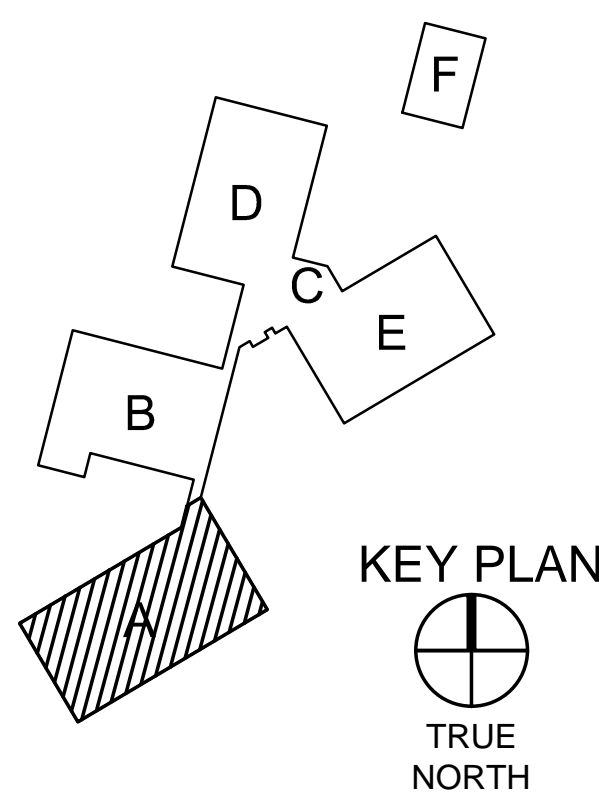


FLAG NOTES

- 1 REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCE FROM CCTV SYSTEM COMPLETION OF NEW IP-BASED CAMERA.

GENERAL NOTES

- 1 WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER IOWA DAS - ALTERNATE #1.
2 ROUTE CABLING TO EXISTING TR-1-A.



No	Revisions	Date
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FIRST LEVEL - AREA 'A' -
SECURITY PLAN - ALTERNATE #1

IOWA LABS
SECURITY CAMERA
UPGRADES

ANKENY IOWA

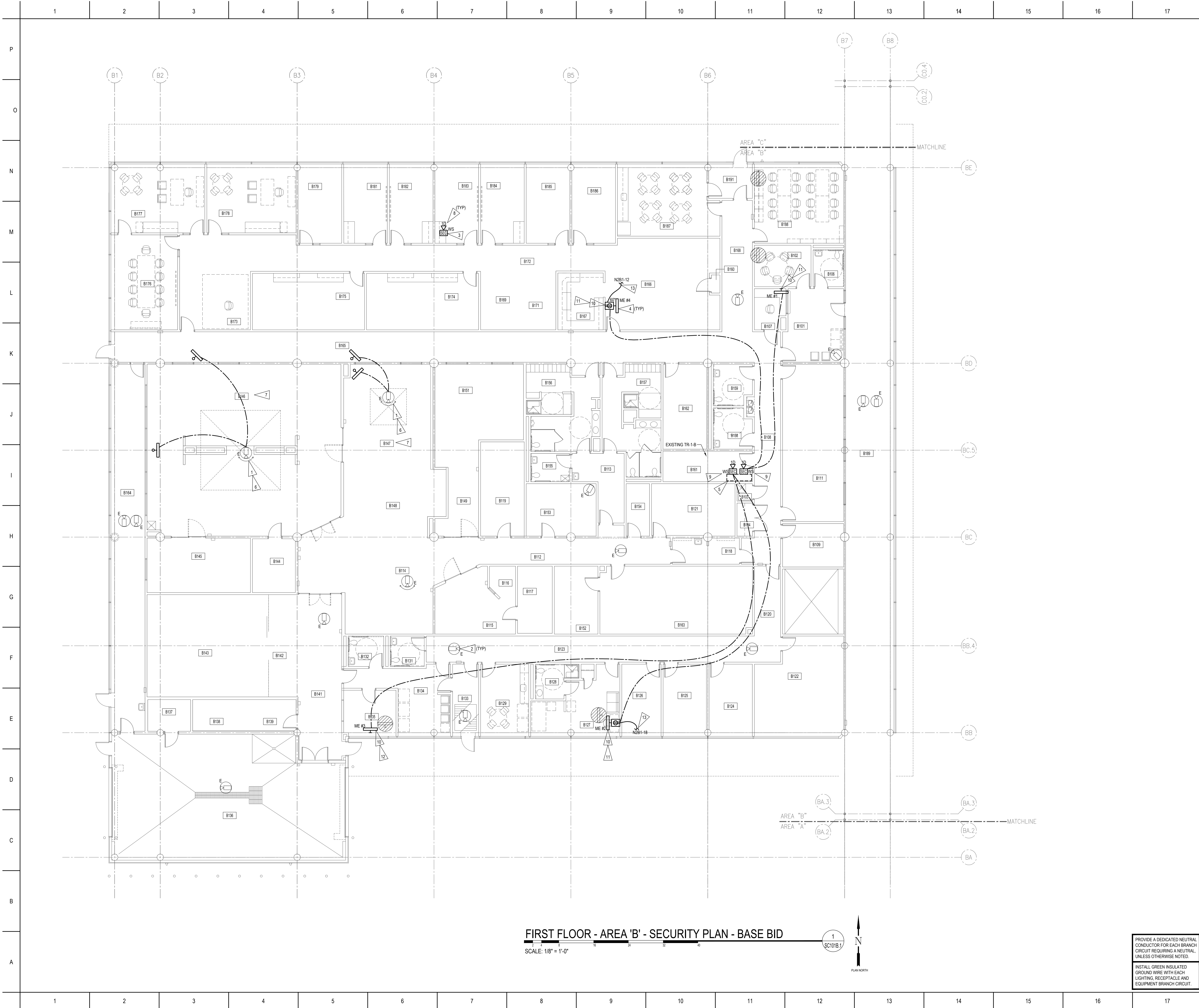


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Drawn NJS
Checked PSK
Date 08/17/2018

File Name
Project No.
20176525
Drawing No.
SC101A.2



- FLAG NOTES**
- EXISTING CAMERAS ARE CONTROLLED VIA LOCAL PTZ JOYSTICK. CONNECT JOYSTICK TO NEW SYSTEM TO ALLOW FOR LOCAL IN-ROOM CONTROL OF CAMERA.
 - EXISTING ANALOG CAMERA TO REMAIN. CONNECT TO NEW VMS VIA ENCODER.
 - EXISTING CAMERA MONITORING STATION. PROVIDE NEW MONITOR AND LOAD VMS CLIENT.
 - PROVIDE CCTV MONITOR. COORDINATE LOCATION WITH OWNER/ENGINEER PRIOR TO INSTALLATION.
 - APPROXIMATE LOCATION OF EXISTING ANALOG DVR EQUIPMENT AND HEAD-END. EQUIPMENT, HEAD-END, AND ASSOCIATED APPURTENANCES SHALL BE REMOVED AND RETURNED TO OWNER AT THE CULMINATION OF THE PROJECT.
 - EXISTING CAMERAS SHALL CONNECT TO EXISTING DISPLAYS AS CURRENTLY FUNCTIONING.
 - EXISTING DISPLAYS THIS AREA SHALL CONNECT TO NEW SYSTEM. DISPLAYS SHALL SHOW CAMERA AS INDICATED.
 - PROVIDE DATA WORK AREA OUTLET FOR CCTV MONITOR STATION.
 - PROVIDE NEW CCTV WORKSTATION WITH MONITOR. WORKSTATION SHALL MEET MANUFACTURER'S MINIMUM REQUIREMENT AND SHALL SUPPORT THREE MONITORS VIA HDMI. CONNECT MONITORS AS INDICATED.
 - PROVIDE HDMI TRANSMIT/RECEIVE SET FROM MONITOR TO DISTRIBUTION AMPLIFIER IN PATH 2 B183. CONNECT TO WORKSTATION INDICATED.
 - PROVIDE 24" LED DISPLAY WITH PEEKLESS WALL TILTING MOUNT. DISPLAY SHALL BE NEC EA245WM-BL, OR EQUIVALENT. REFER TO DETAIL 9/SC200.
 - PROVIDE 24" LED DISPLAY. PART NUMBER NEC EA245WM-BK, OR EQUIVALENT.
 - CONNECT TO EXISTING CIRCUIT INDICATED. MAINTAIN CIRCUIT CONTINUITY.

GENERAL NOTES

- WORK ASSOCIATED WITH THIS SHEET SHALL BE UNDER BASE BID.

KEY PLAN

TRUE NORTH

No	Revisions	Date
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FIRST LEVEL - AREA 'B' - SECURITY PLAN - BASE BID

IOWA LABS SECURITY CAMERA UPGRADES

ANKENY IOWA

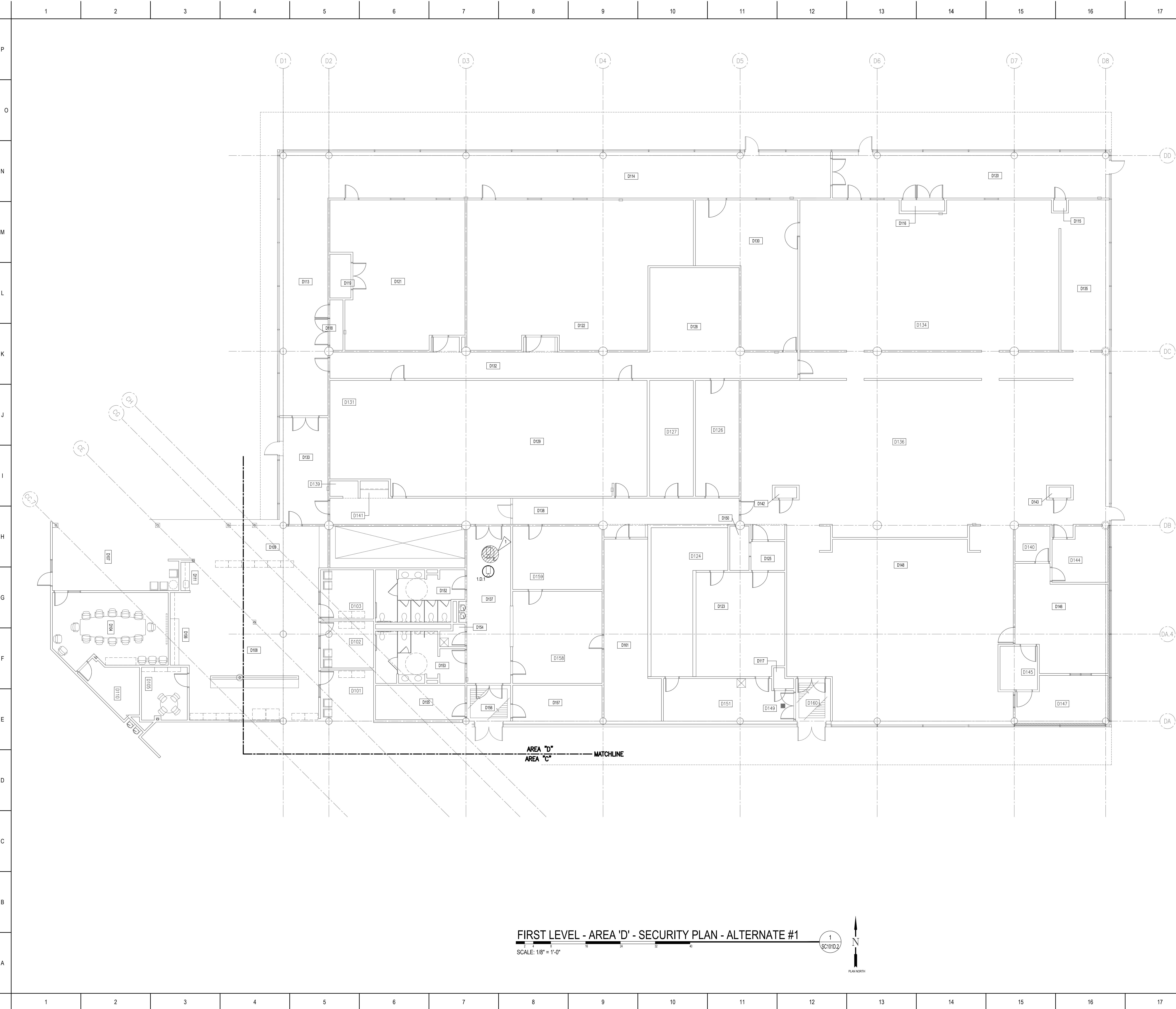
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Designed	TJA	File Name	20176525_SC101B.1
Drawn	NJS	Project No.	20176525
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PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUIT.



FIRST LEVEL - AREA 'D' - SECURITY PLAN - ALTERNATE #1

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

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SC101D.2

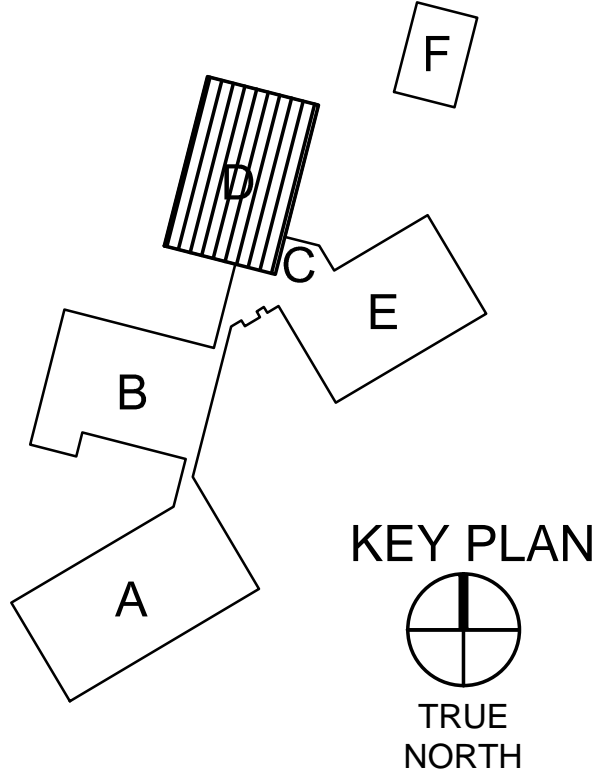


FLAG NOTES

1. REMOVE CAMERA, CABLING, AND ASSOCIATED APPURTENANCES FROM CCTV SYSTEM UPON COMPLETION OF NEW SYSTEM. RETURN EQUIPMENT TO OWNER.

GENERAL NOTES

1. WORK ASSOCIATED WITH THIS SHEET SHALL BE ALTERNATE #1.
2. ROUTE CABLING TO EXISTING TR-1-E.



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FIRST LEVEL - AREA 'D' - SECURITY PLAN - ALTERNATE #1

IOWA LABS SECURITY CAMERA UPGRADES

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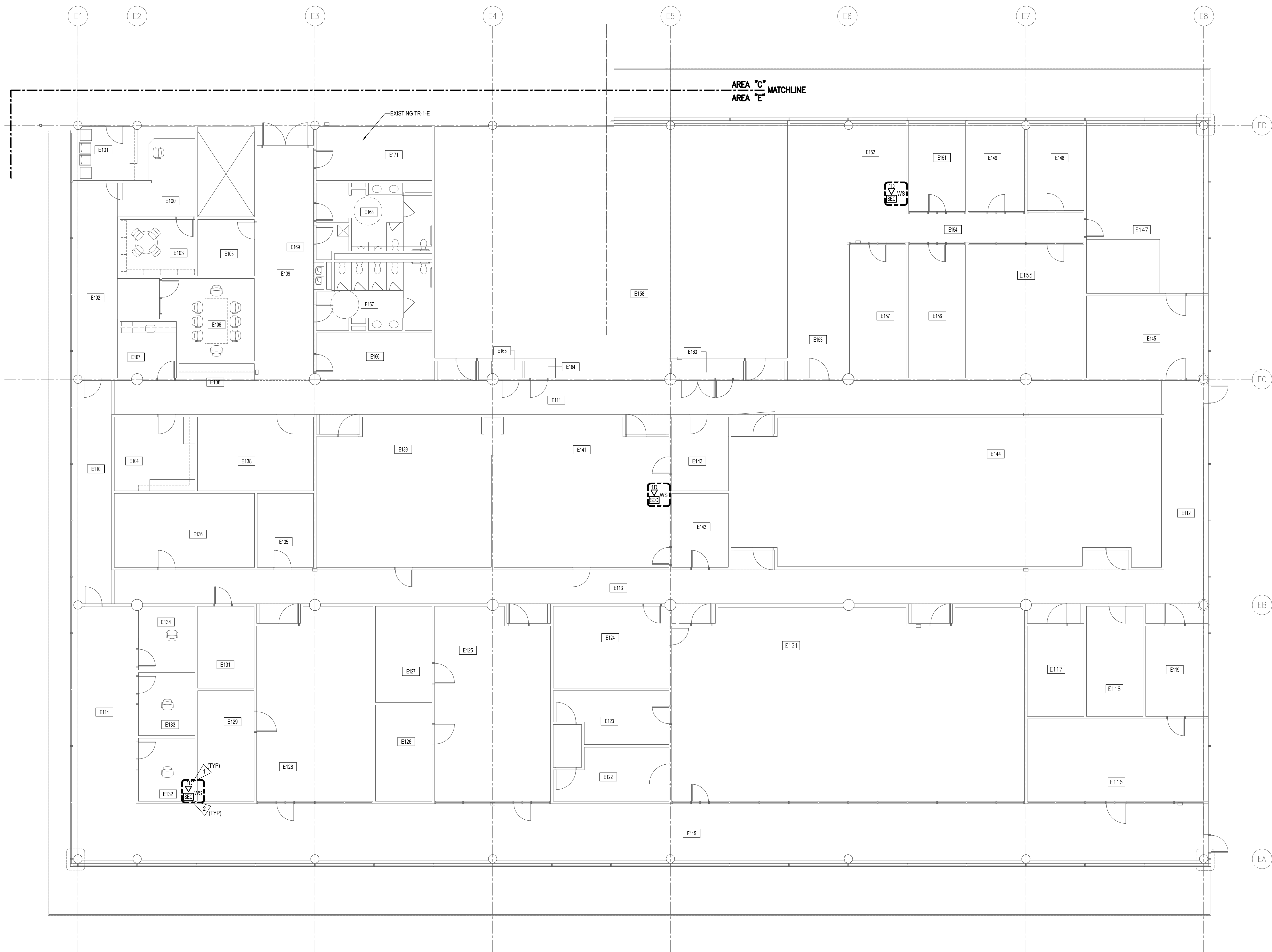
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FIRST LEVEL - AREA E - SECURITY PLAN - BASE BID

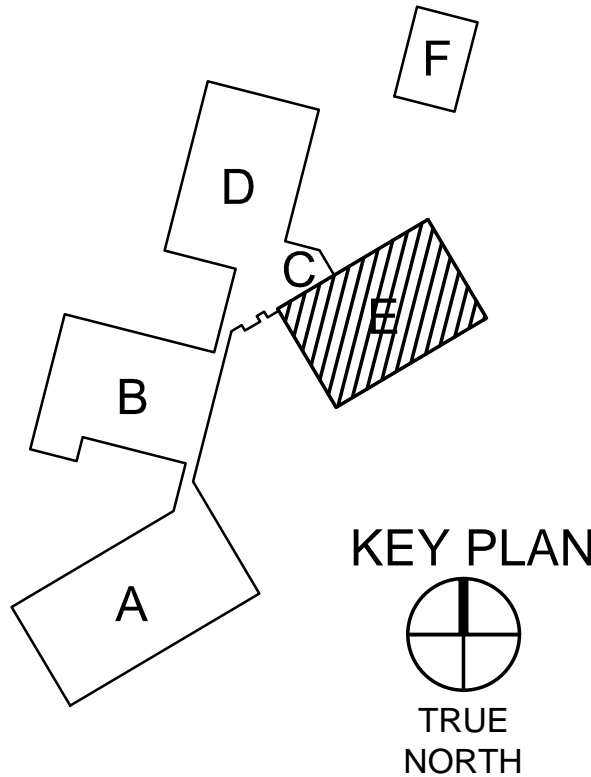
SCALE: 1/8" = 1'-0"

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SC101E.1



FLAG NOTES

- 1 PROVIDE DATA WORK AREA OUTLET FOR CCTV MONITORING STATION.
- 2 CONNECT EXISTING WORKSTATION TO CCTV NETWORK. CONFIGURE WORKSTATION WITH VMS CLIENT.



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FIRST LEVEL - AREA E -
SECURITY PLAN - BASE BID

IOWA LABS
SECURITY CAMERA
UPGRADES

ANKENY

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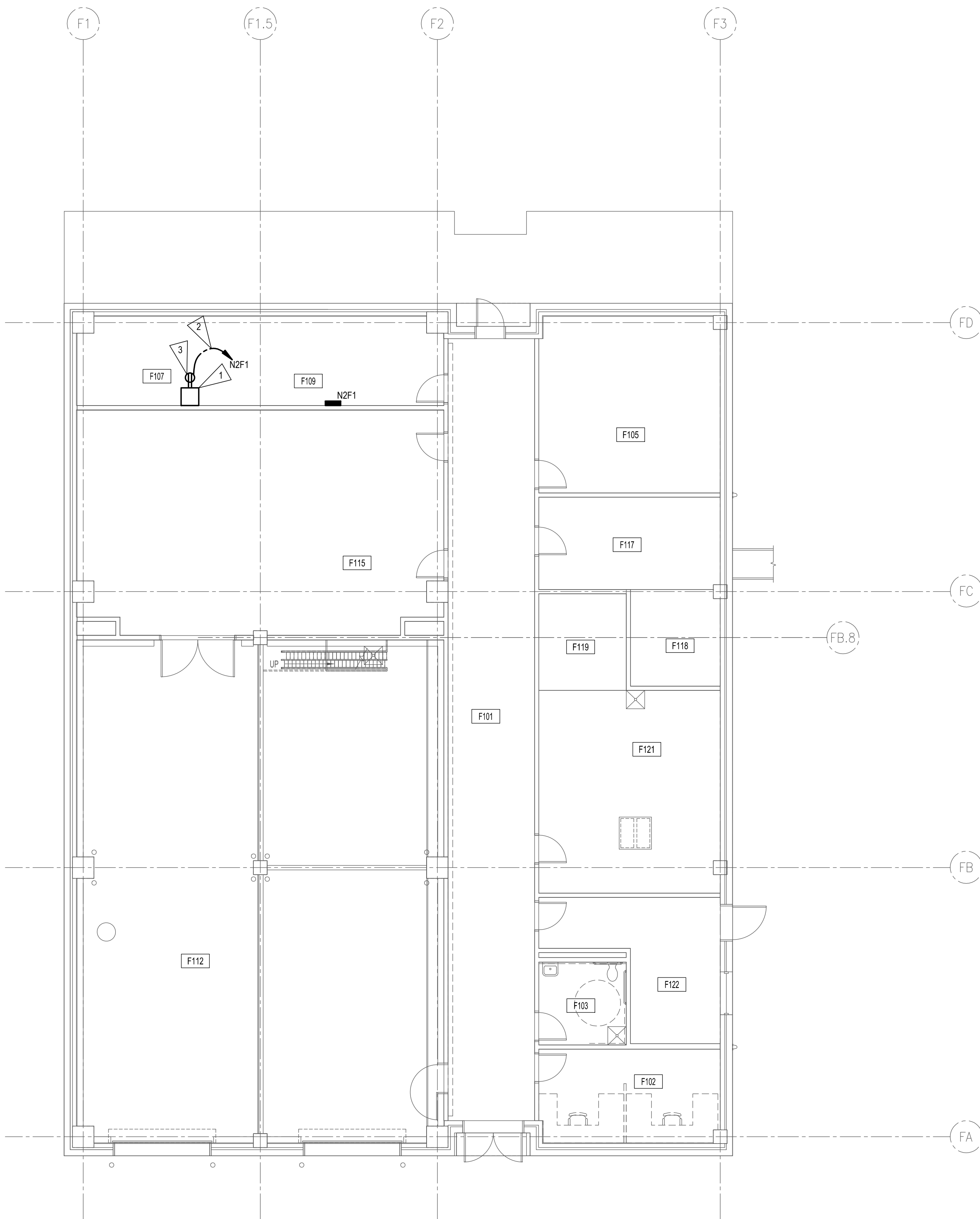
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FIRST LEVEL - AREA 'F' - SECURITY PLAN - BASE BID

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

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SC101F.1

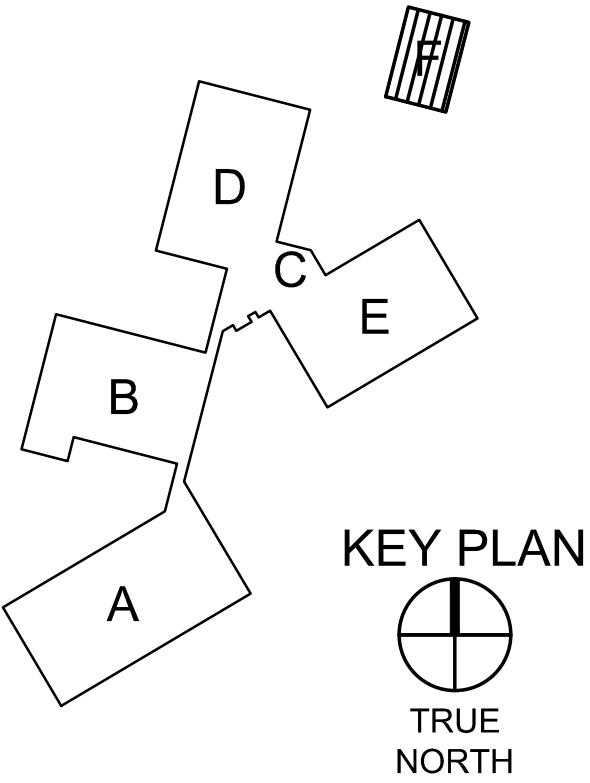



PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUIT.

FLAG NOTES

- 1 APPROXIMATE LOCATION FOR NEW TELECOM CABINET.
- 2 PROVIDE NEW 20'1 BREAKER IN PANEL INDICATED. MATCH RATING.
- 3 MOUNT RECEPTACLE ON REAR O F WALL MOUNT CABINET.



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FIRST LEVEL - AREA 'F' - SECURITY PLAN - BASE BID		
IOWA LABS SECURITY CAMERA UPGRADES		
ANKENY IOWA		
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Drawn	NJS	Project No. 20176525
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IOWA LABS SECURITY CAMERA UPGRADES

IOWA



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	IJS	20176525
	Checked	Drawing No.
	PSK	SC200
Date	08/17/2018	