

# DOUGLAS COUNTY JUDICIAL LAW ENFORCEMENT VIDEO SURVEILLANCE CAMERA UPGRADE

1038 Buckeye Road  
Minden, NV 89423


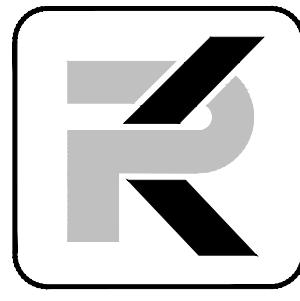
100% Owner Review Set  
February 27, 2023



**PK Electrical, Inc.**  
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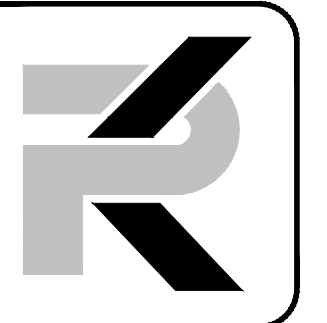
NOT FOR  
CONSTRUCTION

Douglas County JLEC  
Surveillance Camera Addition  
1594 Esmeralda Ave  
Minden, NV 89423

DESIGN CRITERIA	OWNER	DRAWING SCHEDULE																																																															
<div data-bbox="360 1136 888 1273" style="border: 1px solid black; padding: 5px;"> <p>APPLICABLE CODES AND REGULATIONS</p> <p>2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL FIRE CODE 2017 NATIONAL ELECTRIC CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE CURRENT NORTHERN NEVADA AMENDMENTS</p> </div>	<p>DOUGLAS COUNTY 1594 Esmeralda Avenue Minden, NV 89423</p> <p>Scott McCullough Project Manager Douglas County</p>	<table border="1" data-bbox="2038 1160 2719 1702"> <thead> <tr> <th colspan="3">DRAWING SCHEDULE</th> </tr> <tr> <th>SHEET</th> <th>DESCRIPTION</th> <th></th> </tr> </thead> <tbody> <tr><td>G0.1</td><td>COVER SHEET AND DRAWING SCHEDULE</td><td>•</td></tr> <tr><td>TS0.1</td><td>VIDEO SURVEILLANCE GENERAL NOTES, LEGEND AND WORK PHASING REQUIREMENTS</td><td>•</td></tr> <tr><td>TS0.2</td><td>CAMERA AND EQUIPMENT SCHEDULES</td><td>•</td></tr> <tr><td>TS0.3</td><td>VIDEO SURVEILLANCE ONLINE DIAGRAM</td><td>•</td></tr> <tr><td>TS0.4</td><td>CAMERA MOUNTING DETAILS</td><td>•</td></tr> <tr><td>TS0.5</td><td>ENLARGED EQUIPMENT AND CONTROL ROOM PLANS</td><td>•</td></tr> <tr><td>TS0.6</td><td>EQUIPMENT CABINET ELEVATIONS AND DEDICATED CAMERA POLE</td><td>•</td></tr> <tr><td>TS1.0</td><td>SITE PLAN</td><td>•</td></tr> <tr><td>TS1.1</td><td>OVERALL 1ST FLOOR PLAN</td><td>•</td></tr> <tr><td>TS1.2</td><td>OVERALL 2ND FLOOR ADMIN PLAN</td><td>•</td></tr> <tr><td>TS2.1</td><td>1ST FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION</td><td>•</td></tr> <tr><td>TS2.2</td><td>1ST FLOOR JAIL CAMERA PLAN - DEMOLITION</td><td>•</td></tr> <tr><td>TS2.3</td><td>2ND FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION</td><td>•</td></tr> <tr><td>TS3.1</td><td>1ST FLOOR ADMIN AREA CAMERA PLAN - NEW WORK</td><td>•</td></tr> <tr><td>TS3.2</td><td>1ST FLOOR JAIL CAMERA PLAN - NEW WORK</td><td>•</td></tr> <tr><td>TS3.3</td><td>2ND FLOOR ADMIN AREA CAMERA PLAN - NEW WORK</td><td>•</td></tr> <tr><td>TS4.1</td><td>SECURED COVERED PARKING PLAN - DEMOLITION</td><td>•</td></tr> <tr><td>TS4.2</td><td>SECURED COVERED PARKING PLAN - NEW WORK</td><td>•</td></tr> <tr><td colspan="2">TOTAL SHEETS IN ISSUE:</td><td>18</td></tr> </tbody> </table>	DRAWING SCHEDULE			SHEET	DESCRIPTION		G0.1	COVER SHEET AND DRAWING SCHEDULE	•	TS0.1	VIDEO SURVEILLANCE GENERAL NOTES, LEGEND AND WORK PHASING REQUIREMENTS	•	TS0.2	CAMERA AND EQUIPMENT SCHEDULES	•	TS0.3	VIDEO SURVEILLANCE ONLINE DIAGRAM	•	TS0.4	CAMERA MOUNTING DETAILS	•	TS0.5	ENLARGED EQUIPMENT AND CONTROL ROOM PLANS	•	TS0.6	EQUIPMENT CABINET ELEVATIONS AND DEDICATED CAMERA POLE	•	TS1.0	SITE PLAN	•	TS1.1	OVERALL 1ST FLOOR PLAN	•	TS1.2	OVERALL 2ND FLOOR ADMIN PLAN	•	TS2.1	1ST FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION	•	TS2.2	1ST FLOOR JAIL CAMERA PLAN - DEMOLITION	•	TS2.3	2ND FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION	•	TS3.1	1ST FLOOR ADMIN AREA CAMERA PLAN - NEW WORK	•	TS3.2	1ST FLOOR JAIL CAMERA PLAN - NEW WORK	•	TS3.3	2ND FLOOR ADMIN AREA CAMERA PLAN - NEW WORK	•	TS4.1	SECURED COVERED PARKING PLAN - DEMOLITION	•	TS4.2	SECURED COVERED PARKING PLAN - NEW WORK	•	TOTAL SHEETS IN ISSUE:		18
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	<div data-bbox="1223 1477 1733 1610" style="text-align: center;">  <p><b>PK Electrical, Inc.</b> Engineering · Design · Consulting 681 Sierra Rose Drive, Suite B   Reno, NV 89511   775.826.9010 4601 DTC Boulevard, Suite 740   Denver, CO 80237   720.481.3290 pk-electrical.com</p> </div>	<div data-bbox="2871 1481 2994 1504" style="border: 1px solid black; padding: 2px;"> <p>REVISIONS</p> </div> <div data-bbox="2871 1637 2994 1659" style="border: 1px solid black; padding: 2px;"> <p>SHEET TITLE</p> </div> <p>COVER SHEET AND DRAWING SCHEDULE</p> <div data-bbox="2853 1784 3012 1886" style="border: 1px solid black; padding: 2px;"> <p>DRAWN: BC CHECKED: JEG DATE: 2/21/2023 JOB NUMBER: 22089 PROJECT MGR: BC</p> </div> <p style="font-size: 24pt; font-weight: bold; text-align: center;">G0.1</p>																																																															







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SHEET TITLE

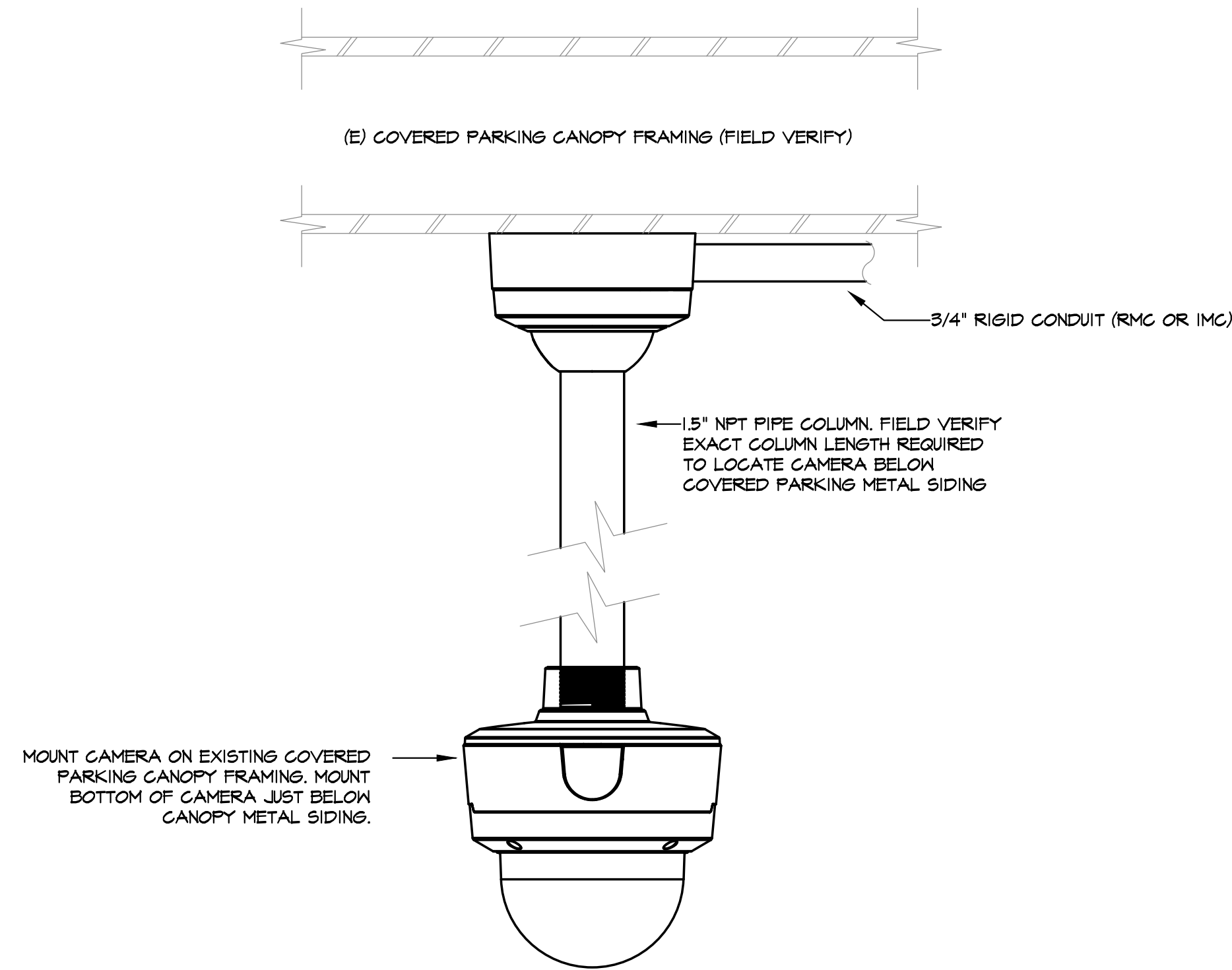
VIDEO SURVEILLANCE  
ONLINE DIAGRAM

DRAWN: BC  
CHECKED: JEG  
DATE: 2/21/2023  
JOB NUMBER: 22083  
PROJECT MGR: BC

TS0.3

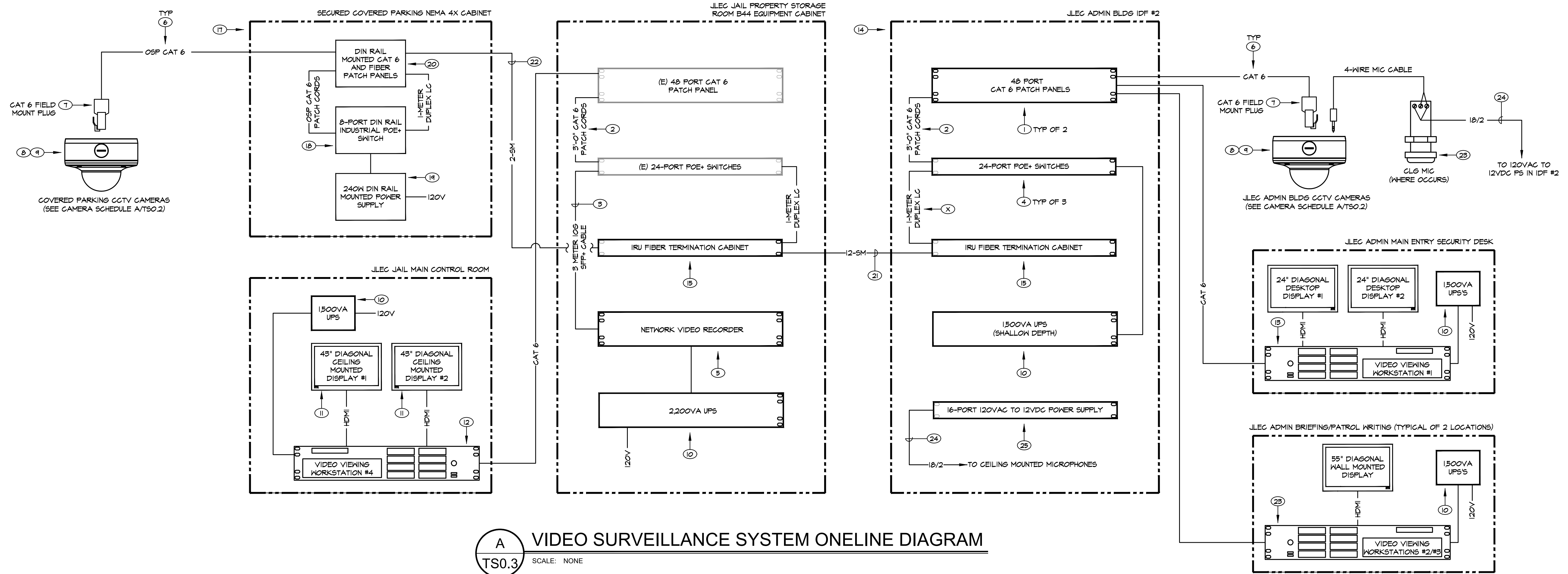
VIDEO SURVEILLANCE ONLINE SHEET NOTES

- ① 48-PORT CAT 6 PATCH PANEL (SEE B/TS0.6).
- ② 3'-0" CAT 6 PATCH CORD TO CROSS CONNECT CAMERAS AND NETWORK DROPS TO POE+ SWITCHES (SEE B/TO.6). FURNISH QTY (1) 3'-0" PATCH COLOR FOR EACH CAT 6 CAMERA AND DATA OUTLET CABLE DROP.
- ③ 3 METER 10G SFP+ THINAX CABLE TO CONNECT NEW NVR TO (E) POE+ SWITCH. SEE C/TS0.6.
- ④ 24-PORT POE+ SWITCHES WITH REAR 10G STACKING CABLES. SEE TSO.2 FOR SWITCH AND STACKING CABLE SPECIFICATIONS. SEE B,C/TS0.6 FOR CABLING AND MOUNTING REQUIREMENTS.
- ⑤ NETWORK VIDEO RECORDER (NVR). SEE TSO.2 FOR NVR SPECIFICATIONS. SEE B,C/TS0.6 FOR CABLING AND MOUNTING REQUIREMENTS.
- ⑥ PLENUM CAT 6 CABLE (CMP), WHERE CABLES ARE ROUTED IN UNDERGROUND DUCTS, PROVIDE OSP RATED CAT 6 CABLE SUITABLE FOR INSTALLATION IN NET LOCATIONS.
- ⑦ TERMINATE CAT 6 CABLE AT CAMERAS ON CAT 6 FIELD MOUNT PLUG (OR CAT 6 JACK WITH PATCH CORD) AND CONNECT TO CAMERA.
- ⑧ FURNISH AND INSTALL IP VIDEO SURVEILLANCE CAMERA AND ASSOCIATED MOUNTS/RACEWAY. SEE TSO.2 FOR CAMERA AND MOUNT SPECIFICATIONS.
- ⑨ DOWNLOAD AND INSTALL THE LATEST FIRMWARE FROM THE MANUFACTURER'S WEBSITE ON ALL CAMERAS AT THE COMPLETION OF THE PROJECT.
- ⑩ UPS. SEE G/H/TSO.2 FOR REQUIREMENTS.
- ⑪ CEILING MOUNTED 43" DIAGONAL FLAT PANEL DISPLAY. SEE TSO.2 FOR DISPLAY AND MOUNT SPECIFICATIONS.
- ⑫ CONTROL ROOM VIDEO VIEWING WORKSTATION. INSTALL HDMI CABLING FROM WORKSTATION TO CEILING MOUNTED FLAT PANEL DISPLAYS.
- ⑬ SECURITY DESK VIDEO VIEWING WORKSTATION WITH QTY (2) 24" DIAGONAL FLAT PANEL DISPLAYS. SEE TSO.2 FOR DISPLAY REQUIREMENTS.
- ⑭ 24" WIDE X 36" HIGH X 24" DEEP LOCKABLE WALL MOUNTED EQUIPMENT CABINET WITH FAN KIT.
- ⑮ IRU FIBER TERMINATION CABINET WITH 12-FIBER PIGTAIL FUSION SPLICE CASSETTE WITH DUPLEX LC CONNECTORS.
- ⑯ 1-METER SINGLEMODE FIBER JUMPER CABLE WITH DUPLEX LC CONNECTORS.
- ⑰ 18" HIGH X 18" WIDE X 8" DEEP NEMA 4X CABINET.
- ⑱ DIN RAIL MOUNTED 8-PORT INDUSTRIAL POE+ SWITCH.
- ⑲ DIN RAIL MOUNTED 240W POWER 120VAC TO 48VDC INDUSTRIAL POWER SUPPLY.
- ⑳ 8-PORT 1" HIGH X 1" WIDE X 1.5" DEEP SURFACE MOUNTED FIBER TERMINATION BOX WITH INTEGRAL FIBER CABLE MANAGEMENT. PROVIDE KEYSTONE DUPLEX LC INSERT.
- ㉑ 12-STRAND PLENUM RATED ARMORED SINGLEMODE FIBER OPTIC CABLE. TERMINATE AT BOTH ENDS IN PIGTAIL FUSION SPLICE CASSETTES.
- ㉒ 2-STRAND INDOOR/OUTDOOR RATED SINGLEMODE FIBER OPTIC CABLE.
- ㉓ TRAINING ROOM VIDEO VIEWING WORKSTATION WITH 55" WALL MOUNTED FLAT PANEL DISPLAY (SEE TSO.2 FOR WORKSTATION AND DISPLAY REQUIREMENTS).
- ㉔ CEILING MOUNTED MICROPHONE (WHERE OCCURS - SEE CAMERA SCHEDULE). PROVIDE 4-WIRE MIC CABLE FROM MICROPHONE TO CAMERA.
- ㉕ PROVIDE 18/2 PLENUM CABLE FROM 12VDC POWER SUPPLY IN IDF #2 TO MICROPHONES.
- ㉖ IRU 16-PORT 120VAC TO 12VDC POWER SUPPLY FOR CEILING MOUNTED MICROPHONES (ALTRONIX VERTILINE33D).

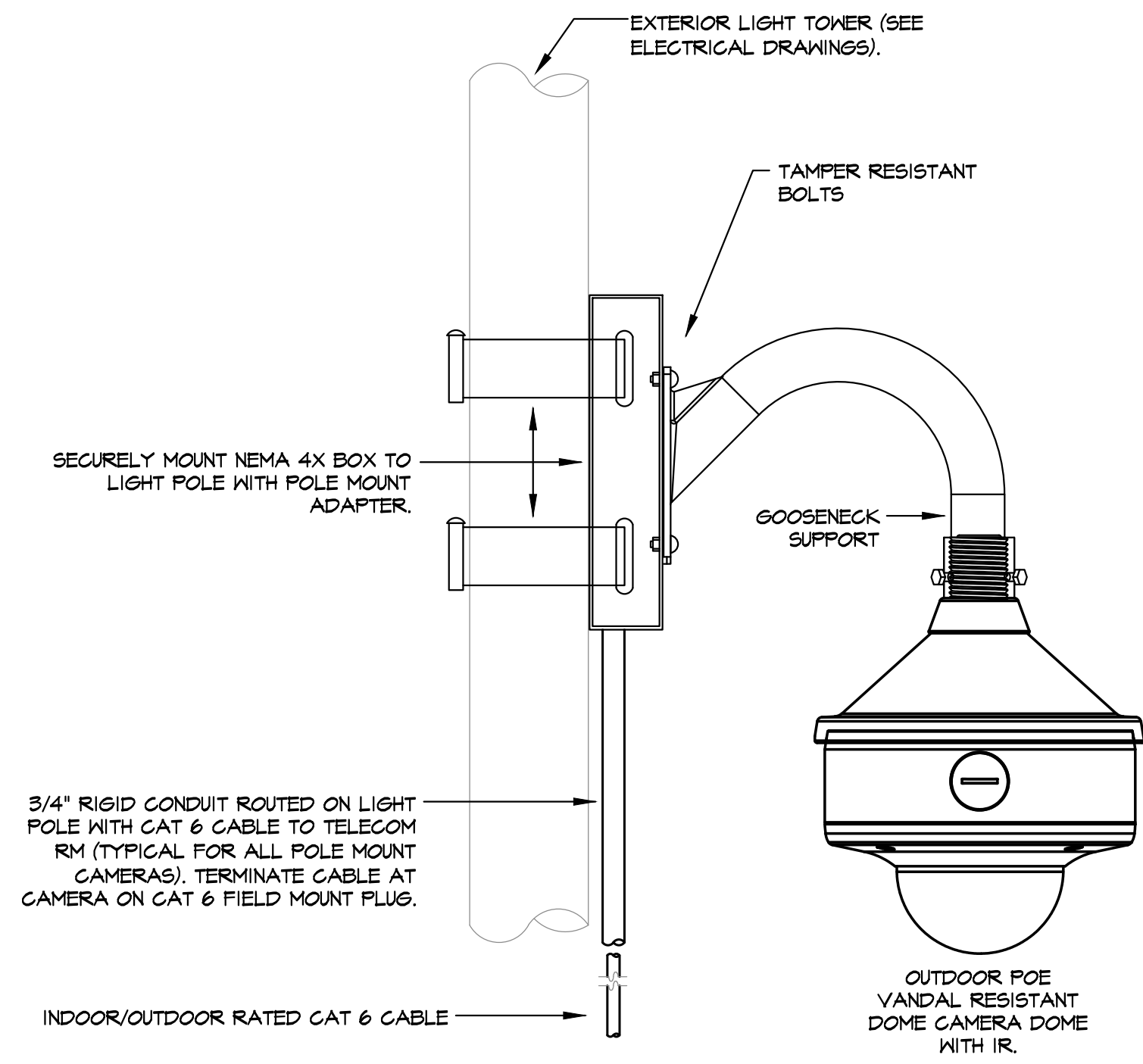


EXTERIOR COVERED PARKING  
PENDANT CAMERA MOUNTING

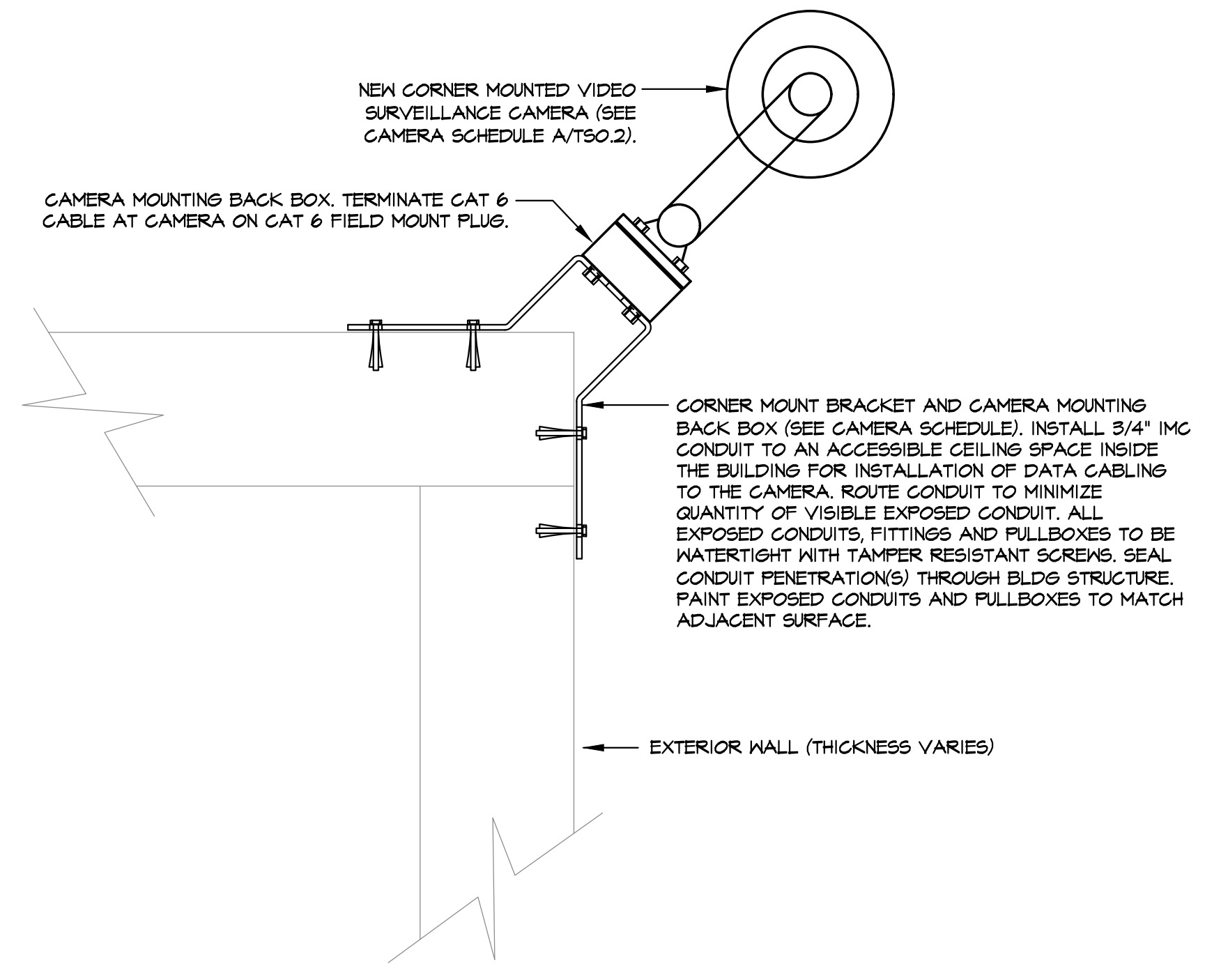
B  
TS0.3 SCALE: NONE



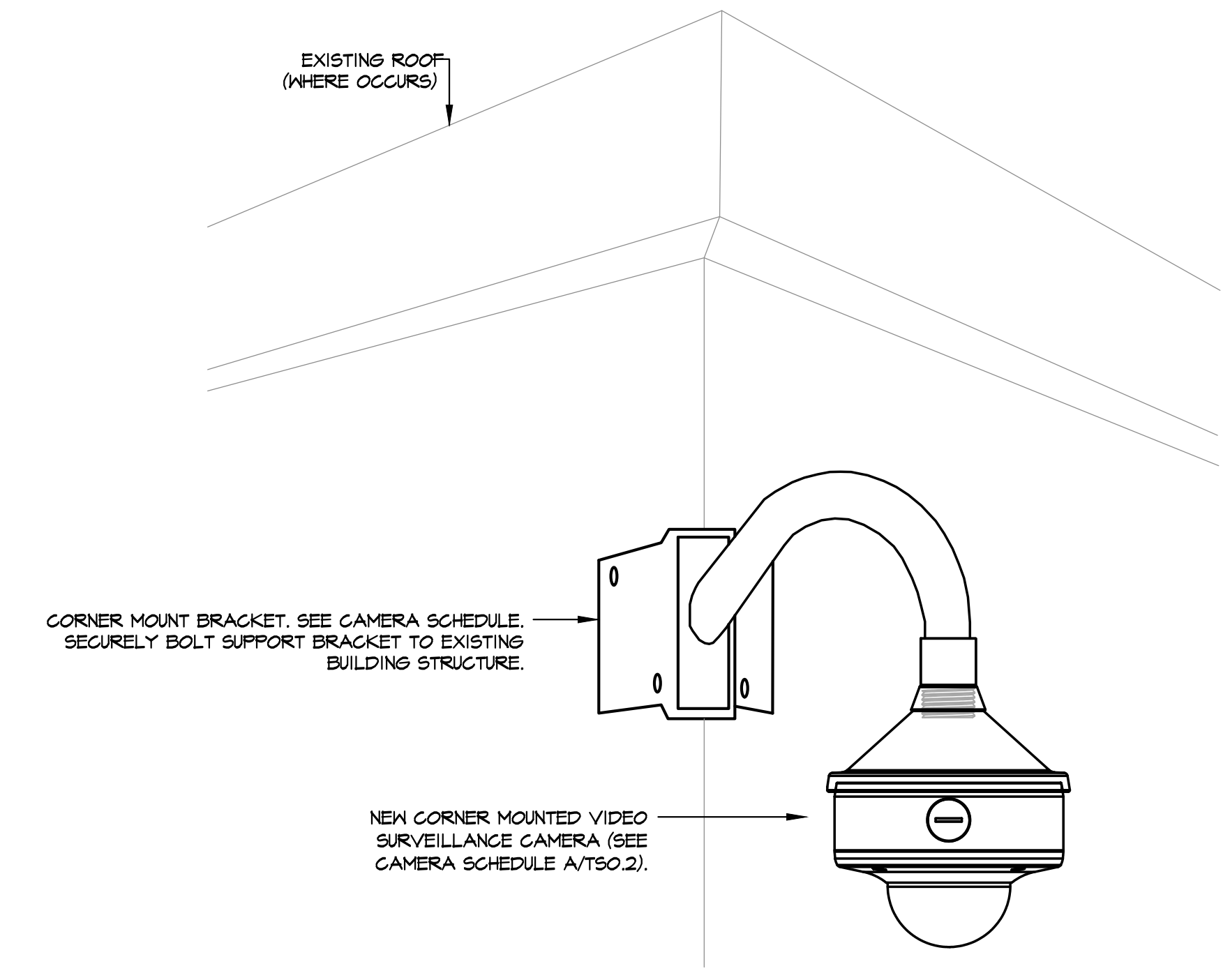
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TS0.3 SCALE: NONE



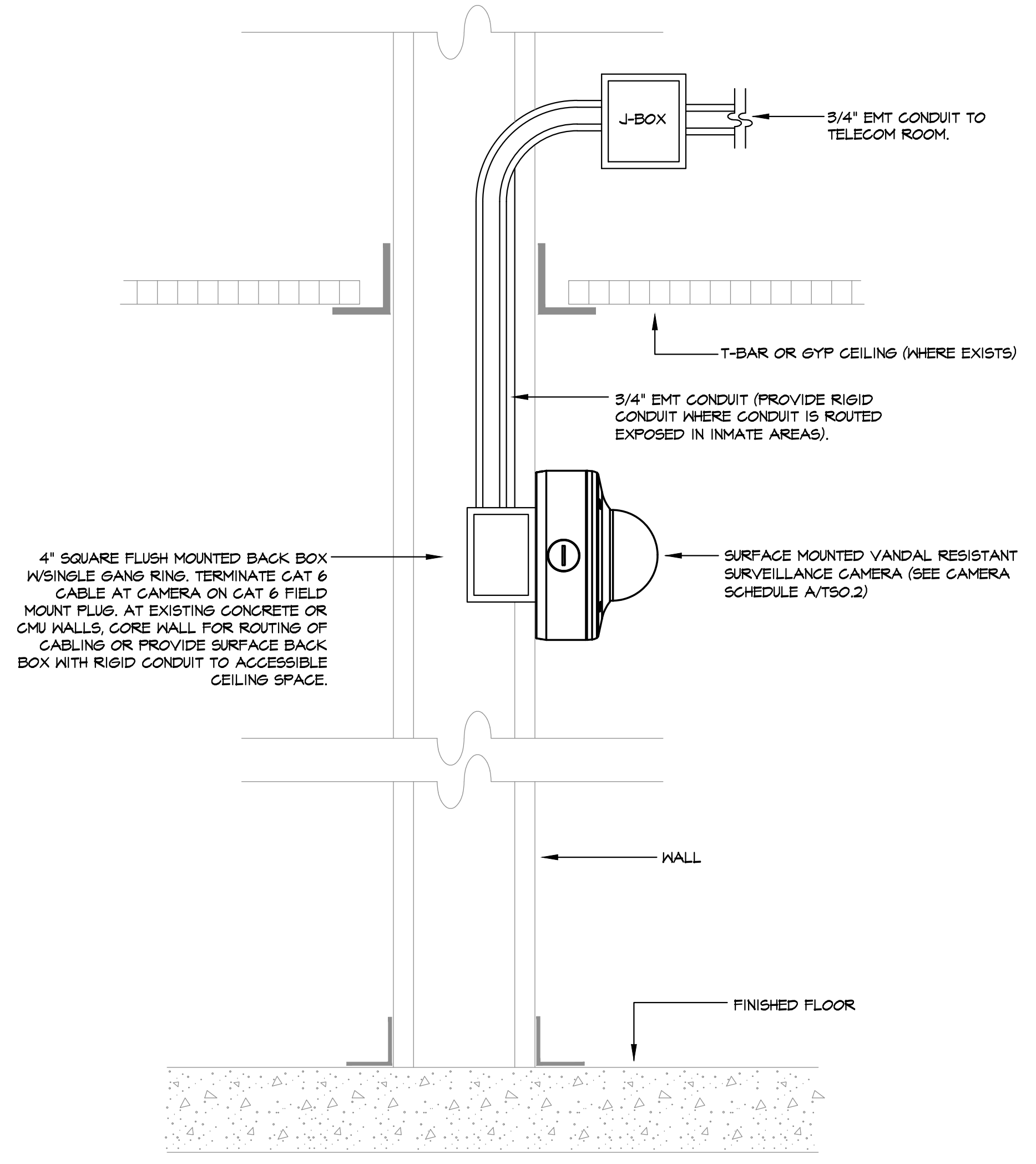
**F** LIGHT POLE MOUNTED CAMERA  
TS0.4 SCALE: NONE



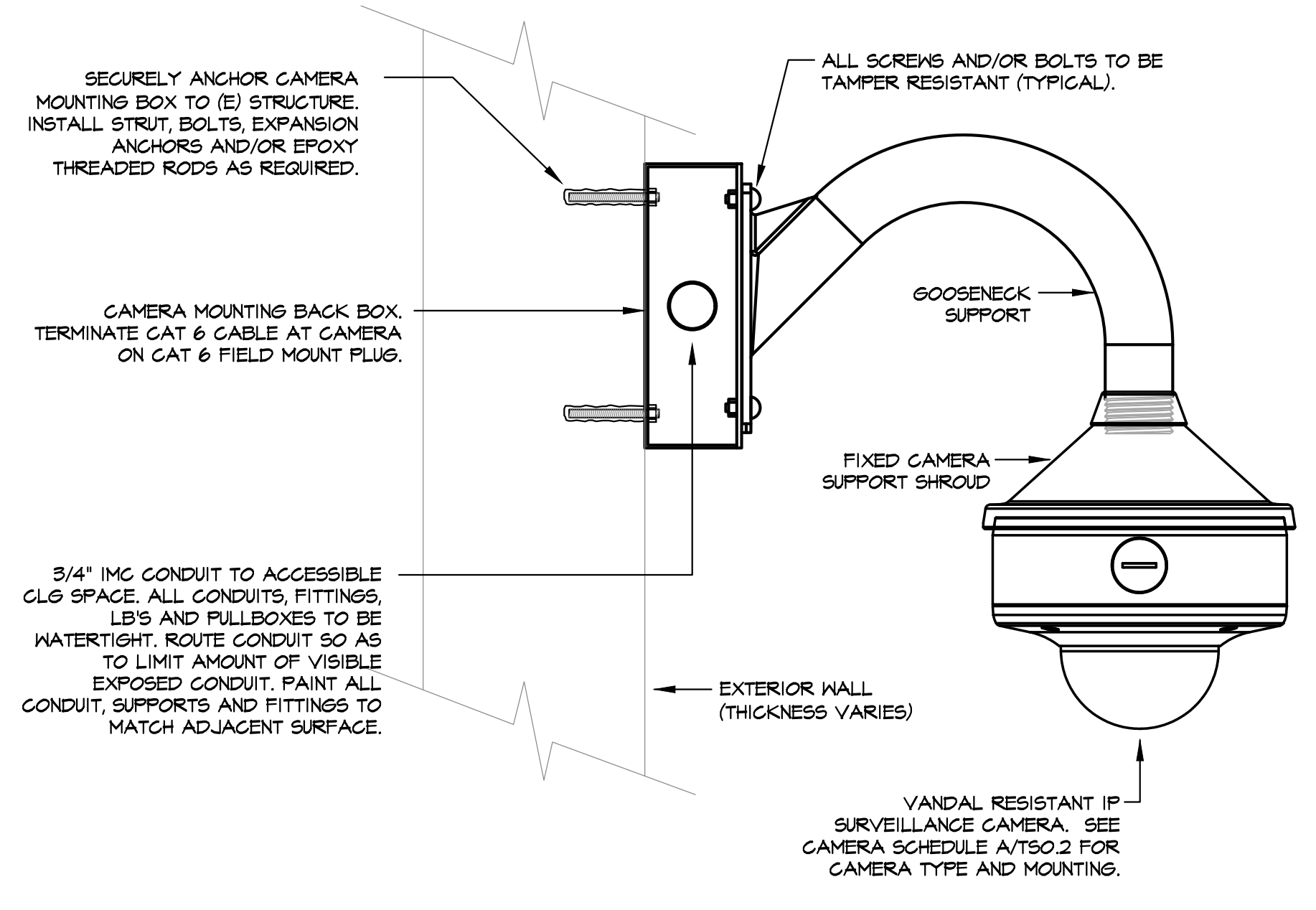
**E** CORNER MTD CAMERA (PLAN)  
TS0.4 SCALE: NONE



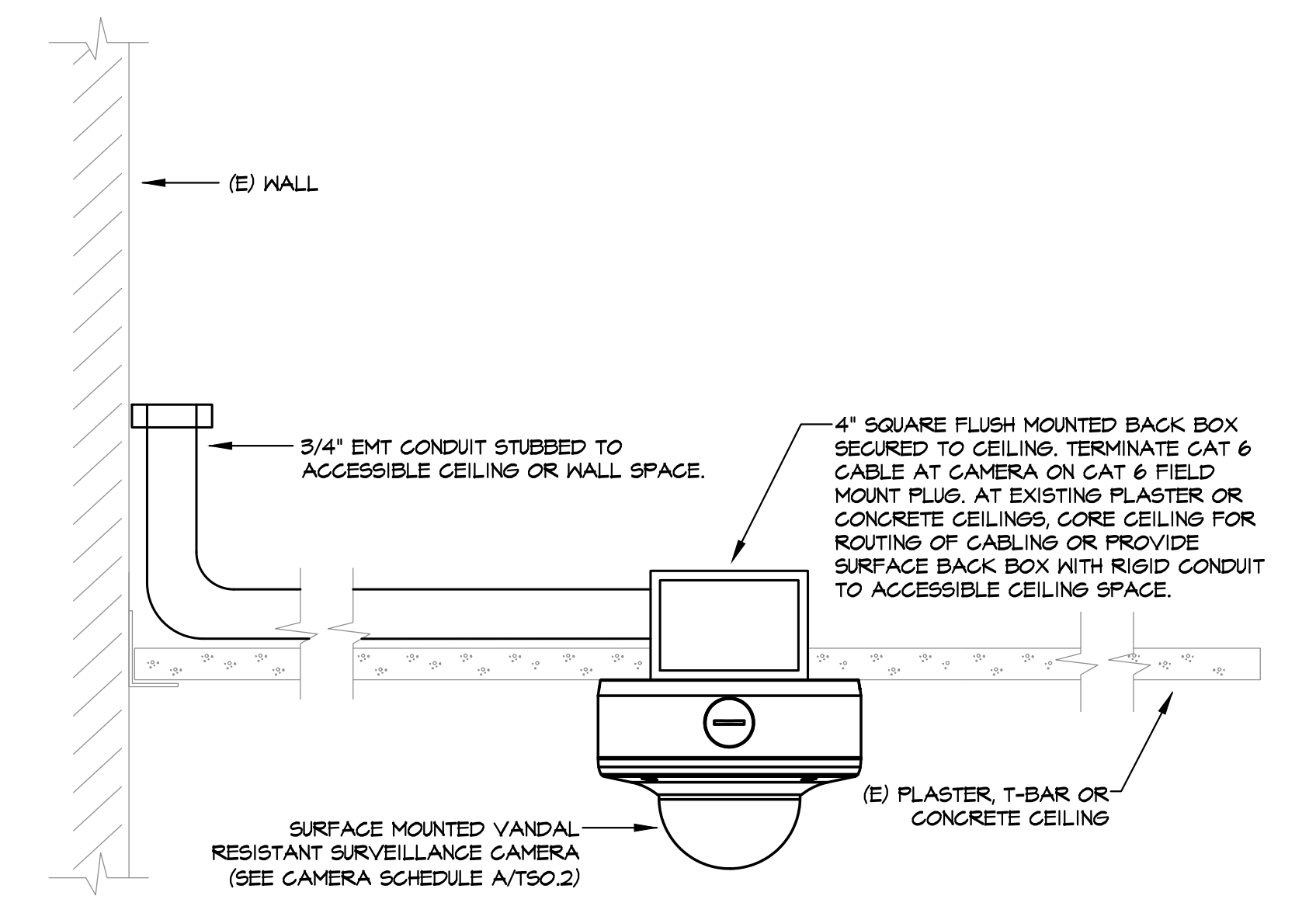
**D** CORNER MTD CAMERA (ELEV)  
TS0.4 SCALE: NONE



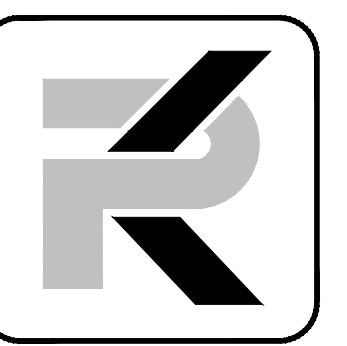
**C** INDOOR WALL MOUNTED DOME CAMERA  
TS0.4 SCALE: NONE



**B** EXTERIOR WALL MTD CAMERA  
TS0.4 SCALE: NONE



**A** SURFACE CEILING MOUNTED CAMERA  
TS0.4 SCALE: NONE



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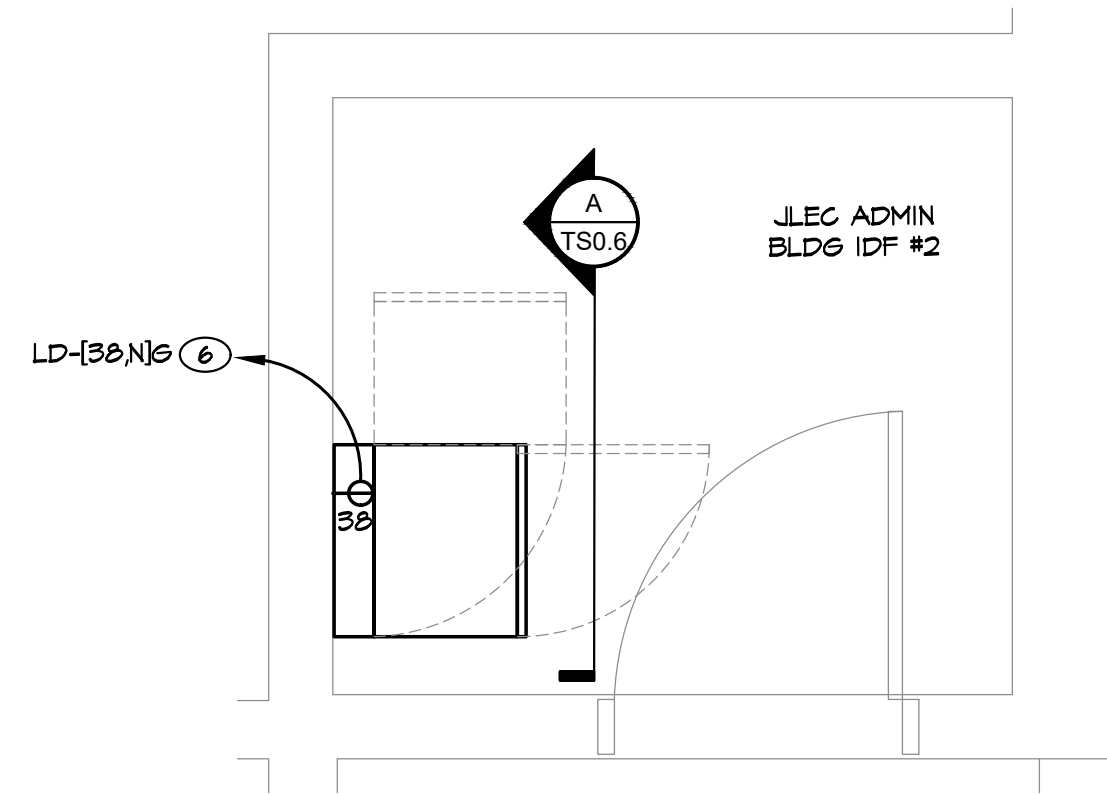
REVISIONS

NO.	DESCRIPTION

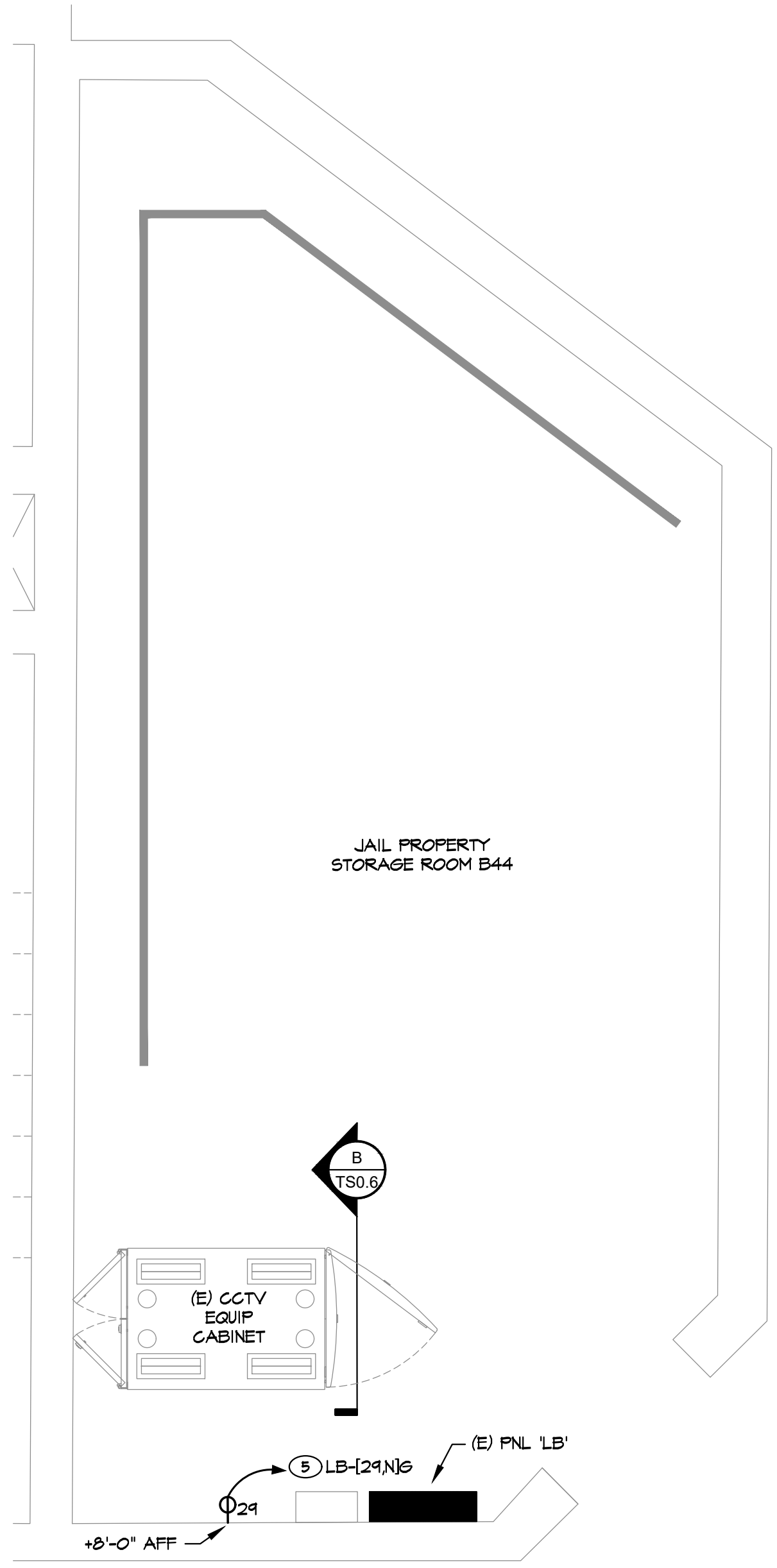
SHEET TITLE  
CAMERA MOUNTING DETAILS

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

TS0.4



**D** IDF #2 - ENLARGED PLAN - NEW WORK  
 TS0.5 SCALE: 1/2" = 1'-0"



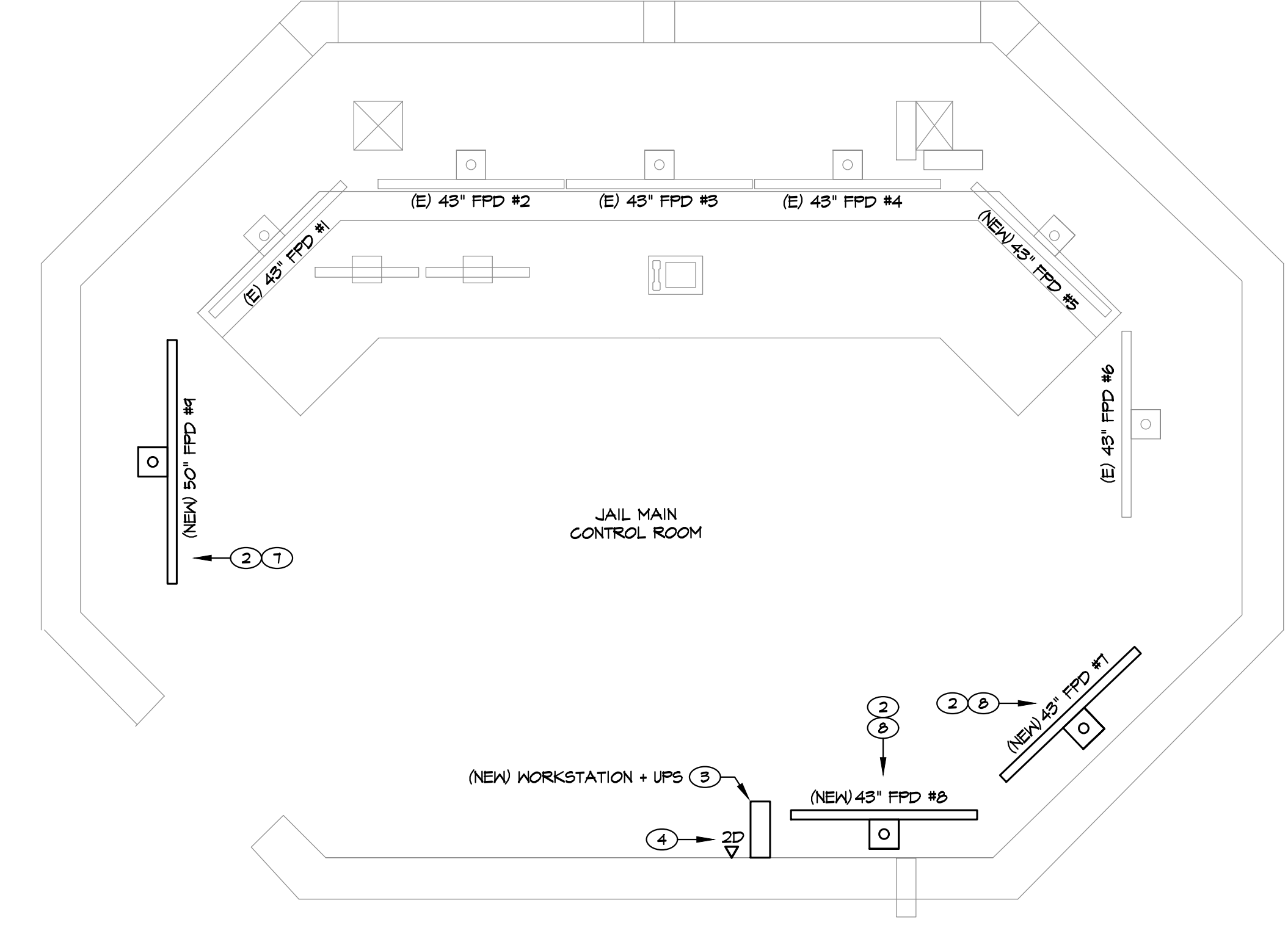
**C** JAIL PROPERTY STORAGE B44 - ENLARGED PLAN - NEW WORK  
 TS0.5 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

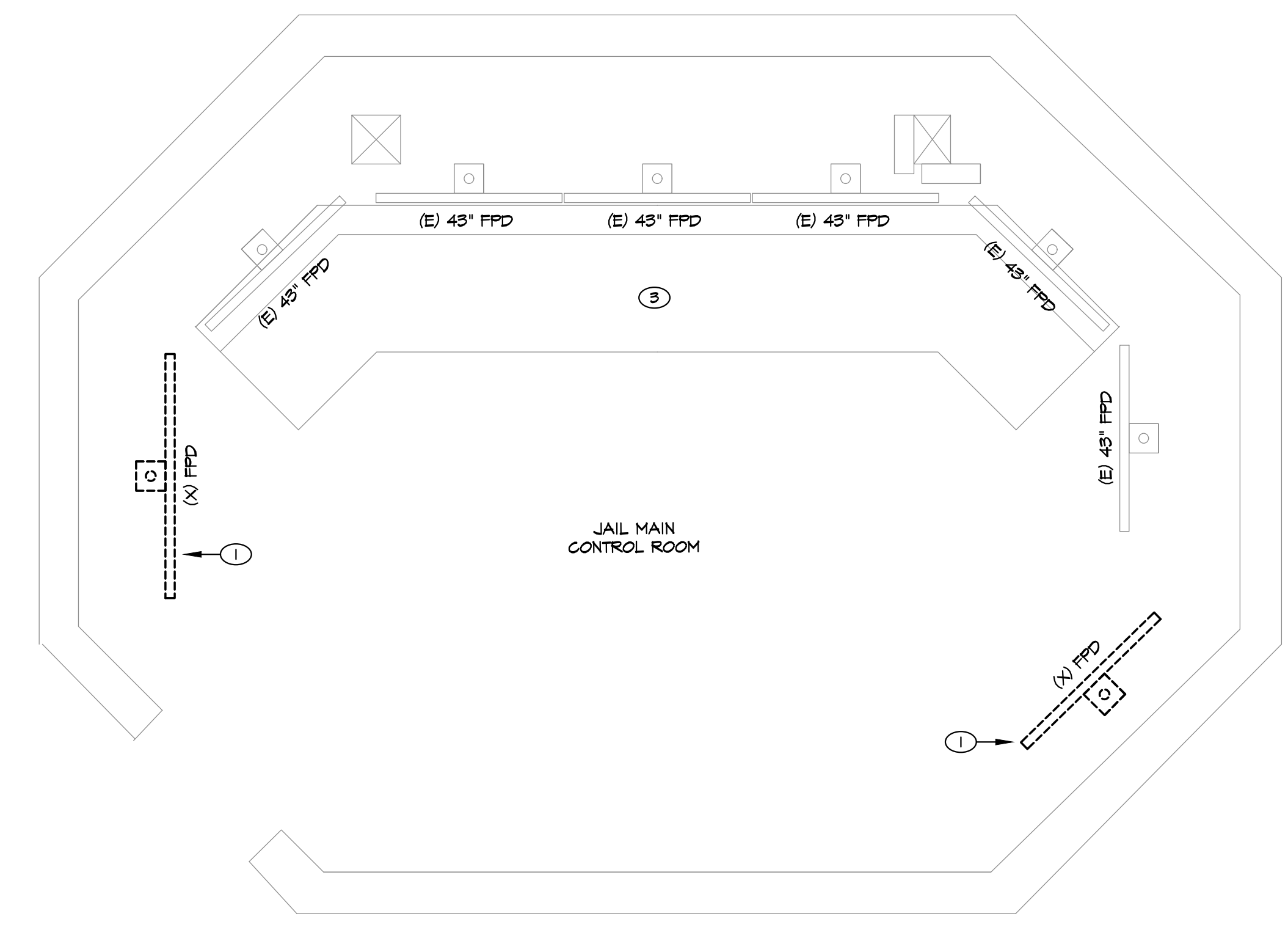
- 1 DEMO EXISTING CEILING MOUNTED MONITOR, MOUNT AND ASSOCIATED CABLING.
- 2 NEW CEILING MOUNTED MONITORS. SEE MONITOR AND MOUNT SCHEDULE ON TS0.2 FOR REQUIREMENTS.
- 3 VIDEO VIEWING WORKSTATION. SEE VIEWING WORKSTATION SCHEDULE ON TS0.2 FOR REQUIREMENTS.
- 4 DATA OUTLET WITH QTY (2) PLENUM CAT 6 CABLE DROPS. INSTALL CAT 6 CABLING FROM OUTLET TO EXISTING 48-PORT PATCH PANEL IN PROPERTY STORAGE ROOM B44 EQUIPMENT CABINET.
- 5 PROVIDE NEW DEDICATED 20A OUTLET FOR UPS #3 (SEE B/TS0.6). LOCATE OUTLET ADJACENT TO EXISTING CCTV CABINET OUTLETS. PROVIDE NEW 20A BREAKER IN PANEL 'LB' SPACE 24. UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 24 AS 'CCTV RACK'.
- 6 PROVIDE NEW DEDICATED 20A OUTLET FOR IDF #2 CABINET. PROVIDE NEW 20A BREAKER IN PANEL 'LD' SPACE 38 (WESTINGHOUSE PANEL TYPE BIOB). UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 38 AS 'CCTV RACK'.

**SHEET NOTES (CONTINUED)**

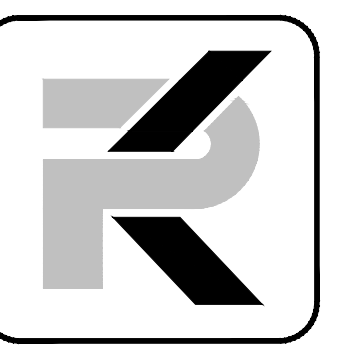
- 1 CONNECT NEW MONITOR TO EXISTING AVISILON WORKSTATION CONNECTED TO EXISTING 43" FLAT PANEL DISPLAYS #1 AND #2. CONFIGURE MONITOR TO VIEW CAMERAS AT STATELINE JAIL.
- 2 MONITORS TO VIEW CAMERAS IN JLEC ADMIN/COURTROOM AREAS.



**B** JAIL CONTROL ROOM - ENLARGED PLAN - NEW WORK  
 TS0.5 SCALE: 1/2" = 1'-0"



**A** JAIL CONTROL ROOM - ENLARGED PLAN - DEMOLITION  
 TS0.5 SCALE: 1/2" = 1'-0"



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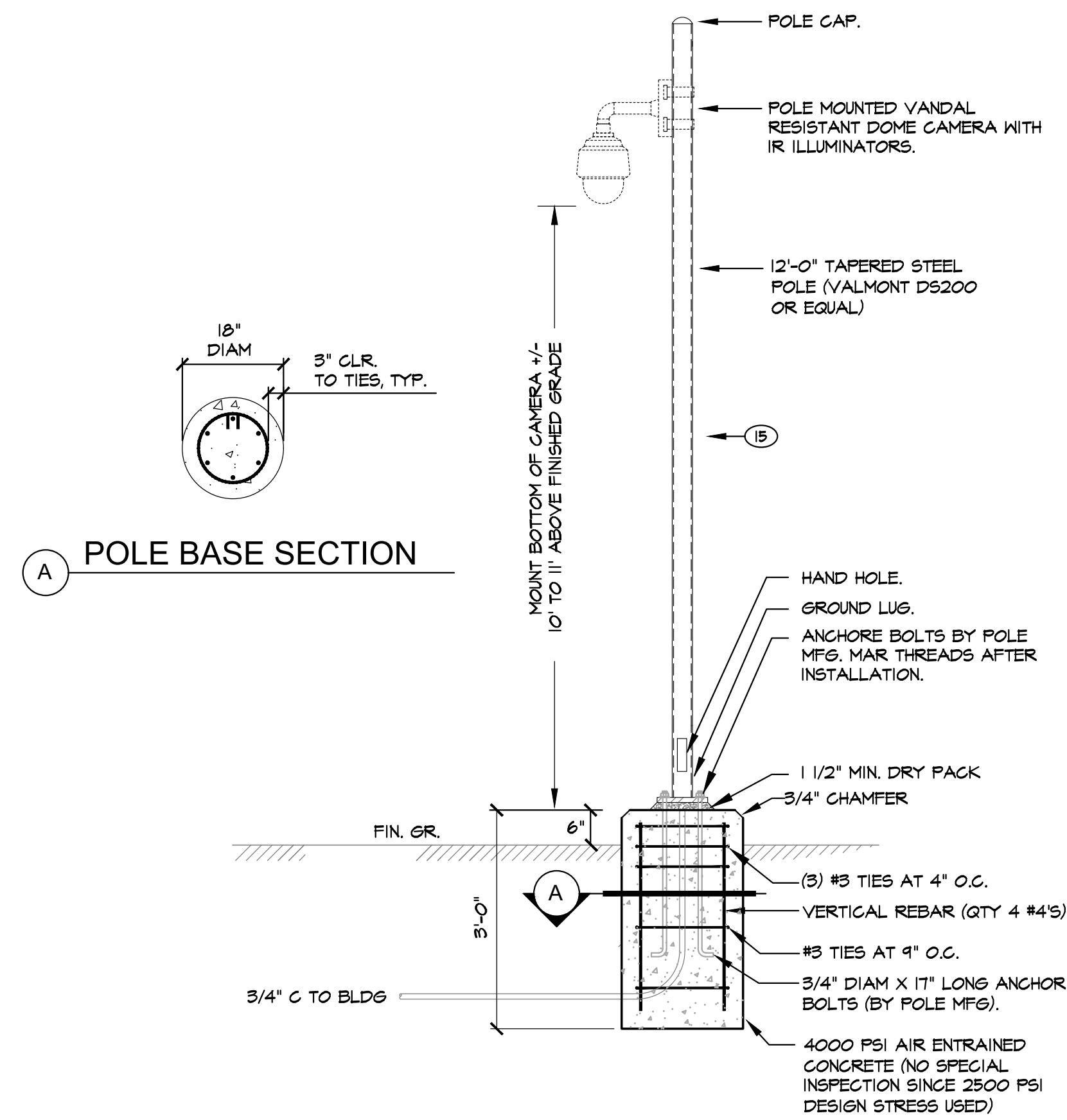
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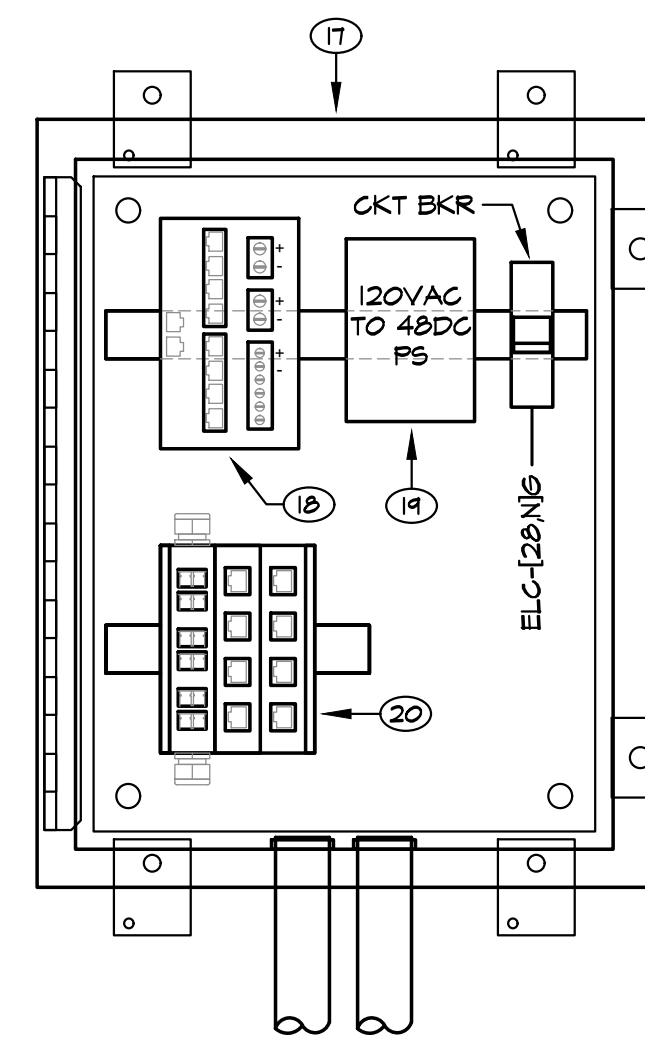
ENLARGED EQUIPMENT AND CONTROL ROOM PLANS

DRAWN:	BC
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PROJECT MGR:	BC

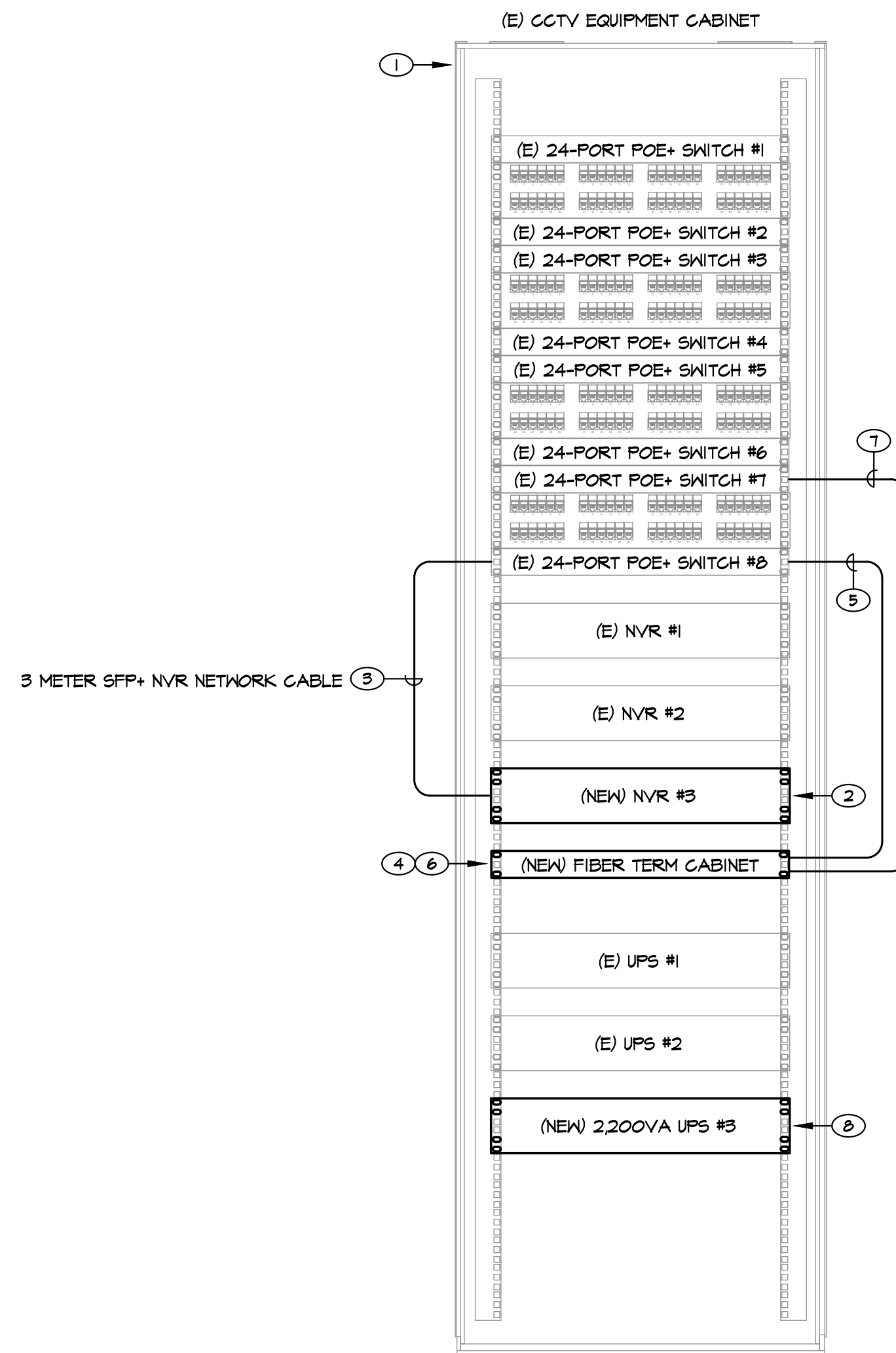
**TS0.5**



**D DEDICATED CAMERA POLE**  
 TS0.6 SCALE: NONE



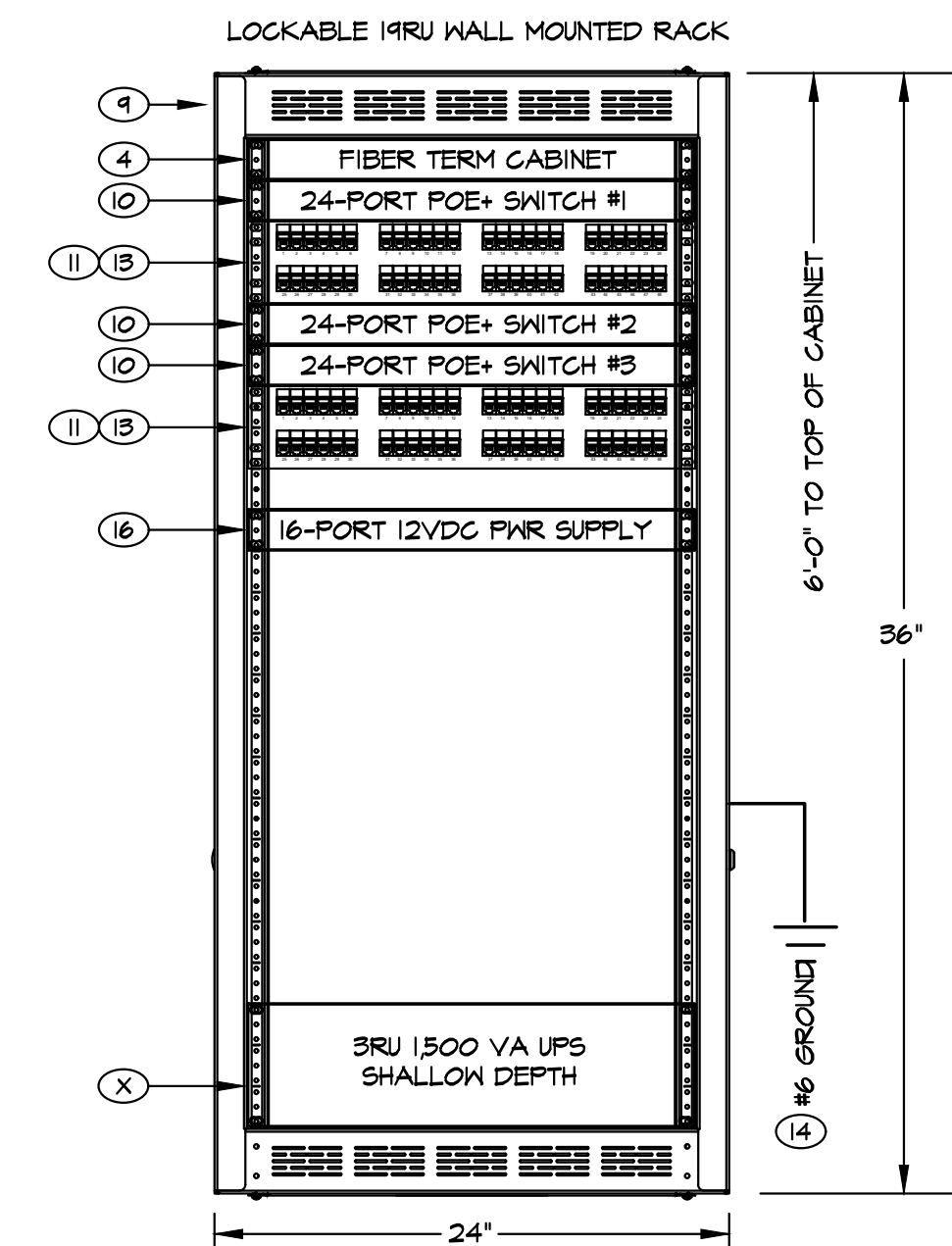
**C COVERED PARKING NEMA 4X EQUIPMENT CABINET**  
 TS0.6 SCALE: NONE



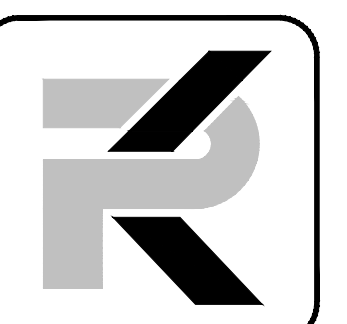
**B JAIL PROPERTY STORAGE RM B44 CABINET ELEVATION**  
 TS0.6 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- 1 EXISTING CCTV EQUIPMENT CABINET.
- 2 NEW NETWORK VIDEO RECORDER. SEE NVR SCHEDULE ON TSO.2 FOR REQUIREMENTS.
- 3 PROVIDE 10GbE SFP+ CABLE TO CONNECT NVR TO EXISTING NETWORK SWITCH.
- 4 NEW IRU FIBER TERMINATION CABINET. IN SLOT 1, PROVIDE QTY (1) 12-FIBER PIGTAIL FUSION SPLICE CASSETTE WITH DUPLEX LC CONNECTORS FOR TERMINATION OF 12-STRAND SINGLEMODE FIBER CABLE BETWEEN JAIL PROPERTY STORAGE ROOM B44 AND JLEC ADMIN IDF #2.
- 5 PROVIDE 3-METER SINGLEMODE FIBER JUMPER TO CONNECT IDF #2 SWITCHES TO EXISTING NETWORK SWITCHES IN PROPERTY STORAGE ROOM B44. PROVIDE 10GbE SFP'S FOR CONNECTION TO EXISTING NETWORK SWITCH.
- 6 IN FIBER TERMINATION CABINET SLOT 2, PROVIDE BULKHEAD PLATE WITH QTY (6) DUPLEX LC INSERTS. TERMINATE 2-STRAND FIBER OPTIC CABLING FROM JAIL PROPERTY STORAGE ROOM B44 TO COVERED PARKING NETWORK CABINET ON DUPLEX LC CONNECTORS AND INSERT INTO BULKHEAD PLATE.
- 7 PROVIDE 3-METER SINGLEMODE FIBER JUMPER TO CONNECT COVERED PARKING INDUSTRIAL SWITCH TO EXISTING NETWORK SWITCH IN PROPERTY STORAGE ROOM B44. PROVIDE 10GbE SFP FOR CONNECTION TO EXISTING NETWORK SWITCH.
- 8 PROVIDE 2RU 2,200VA UPS WITH IP MANAGEMENT MODULE. CONNECT TO NEW DEDICATED 20A OUTLET (PANEL 'LB' CIRCUIT #24).
- 9 36" HIGH X 24" WIDE X 24" DEEP WALL MOUNTED EQUIPMENT CABINET WITH LOCKABLE DOOR AND FAN KIT.
- 10 24-PORT POE+ SWITCH. SEE SWITCH SCHEDULE ON TSO.2 FOR REQUIREMENTS.
- 11 48-PORT CAT 6 PATCH PANEL.
- 12 3RU SHALLOW DEPTH 1500VA LITHIUM ION BATTERY WITH IP MANAGEMENT MODULE. SEE UPS SCHEDULE ON TSO.2 FOR REQUIREMENTS.
- 13 INSTALL QTY (1) 3'-0" CAT 6 PATCH CORD FOR EACH CAMERA CAT 6 CABLE DROP TO CROSS-CONNECT CAT 6 PATCH PANEL PORTS TO NETWORK SWITCHES.
- 14 BOND EQUIPMENT CABINET TO GROUND BAR WITH #6 AWG GREEN INSULATED BONDING CONDUCTOR.
- 15 DEDICATED CAMERA POLE WITH REINFORCED CONCRETE BASE.
- 16 IRU 16-PORT 120VAC TO 12VDC POWER SUPPLY FOR CEILING MOUNTED MICROPHONES (ALTRONIX VERTILINE33D).
- 17 16 1/4 X 20 1/4 X 10 1/4 NEMA 4X STAINLESS STEEL ENCLOSURE WITH STEEL EQUIPMENT MOUNTING PANEL (HOFFMAN/VENT P/N A20H1610SSLP W/STAINLESS STEEL MOUNTING PANEL A20P16556).
- 18 DIN RAIL MOUNTED 8-PORT INDUSTRIAL POE+ SWITCH WITH 2 SFP PORTS (CISCO P/N IE-3200-8P25-E).
- 19 DIN RAIL MOUNTED 120VAC TO 48VDC POWER SUPPLY (CISCO P/N PWR-IE240X-PCAG-L-). PROVIDE DIN RAIL MOUNTED CIRCUIT BREAKER FOR 120VAC CKT (EATON FAZ-NA OR EQUAL).
- 20 DIN RAIL MOUNTED 3-TERMINATION MODULE HOUSING. MODULE #1 TO HAVE QTY (6) DUPLEX LC FIBER MODULES. MODULES #2 AND #3 TO EACH HAVE QTY (4) KEYSTONE CAT 6 JACKS (HIRSCHMANN/BELDEN MODULAR INDUSTRIAL PATCH PANEL P/N MIPP/CD/L19NCGE4/GCE4).



**A IDF #2 CABINET ELEVATION**  
 TS0.6 SCALE: 1/2" = 1'-0"



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**REVISIONS**

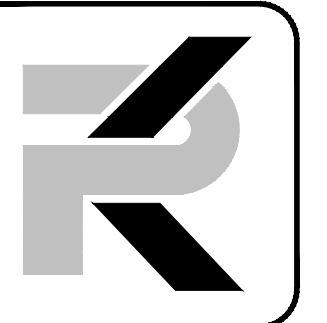
NO.	DESCRIPTION

**SHEET TITLE**

EQUIPMENT CABINET  
 ELEVATIONS AND  
 DEDICATED CAMERA  
 POLE

DRAWN: BC  
 CHECKED: JEG  
 DATE: 2/21/2023  
 JOB NUMBER: 22083  
 PROJECT MGR: BC

**TS0.6**



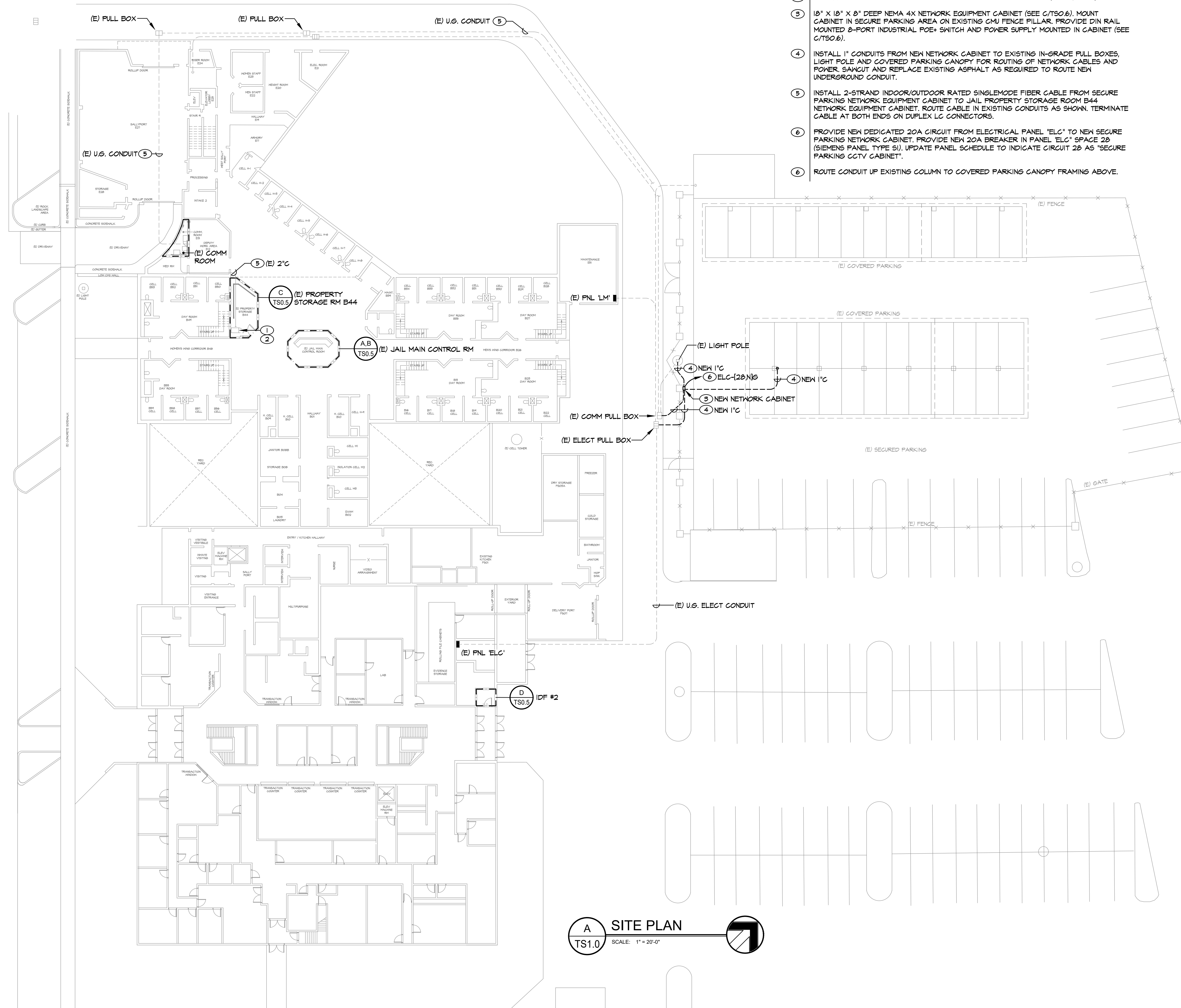
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**SHEET NOTES**

- ① EXISTING VIDEO SURVEILLANCE EQUIPMENT CABINET (SEE B/TS0.6).
- ② INSTALL NEW IRU FIBER TERMINATION CABINET IN EXISTING CABINET (SEE B/TS0.6).
- ③ 18" X 18" X 8" DEEP NEMA 4X NETWORK EQUIPMENT CABINET (SEE C/TS0.6). MOUNT CABINET IN SECURE PARKING AREA ON EXISTING CMU FENCE PILLAR. PROVIDE DIN RAIL MOUNTED 8-PORT INDUSTRIAL POE SWITCH AND POWER SUPPLY MOUNTED IN CABINET (SEE C/TS0.6).
- ④ INSTALL 1" CONDUITS FROM NEW NETWORK CABINET TO EXISTING IN-GRADE FULL BOXES, LIGHT POLE AND COVERED PARKING CANOPY FOR ROUTING OF NETWORK CABLES AND POWER. SAWCUT AND REPLACE EXISTING ASPHALT AS REQUIRED TO ROUTE NEW UNDERGROUND CONDUIT.
- ⑤ INSTALL 2-STRAND INDOOR/OUTDOOR RATED SINGLEMODE FIBER CABLE FROM SECURE PARKING NETWORK EQUIPMENT CABINET TO JAIL PROPERTY STORAGE ROOM B44 NETWORK EQUIPMENT CABINET. ROUTE CABLE IN EXISTING CONDUITS AS SHOWN. TERMINATE CABLE AT BOTH ENDS ON DUPLEX LC CONNECTORS.
- ⑥ PROVIDE NEW DEDICATED 20A CIRCUIT FROM ELECTRICAL PANEL 'ELC' TO NEW SECURE PARKING NETWORK CABINET. PROVIDE NEW 20A BREAKER IN PANEL 'ELC' SPACE 2B (SIEMENS PANEL TYPE S1). UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 2B AS 'SECURE PARKING CCTV CABINET'.
- ⑦ ROUTE CONDUIT UP EXISTING COLUMN TO COVERED PARKING CANOPY FRAMING ABOVE.



**A SITE PLAN**  
 TS1.0 SCALE: 1" = 20'-0"

**REVISIONS**

NO.	DESCRIPTION

**SHEET TITLE**

SITE PLAN

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**TS1.0**





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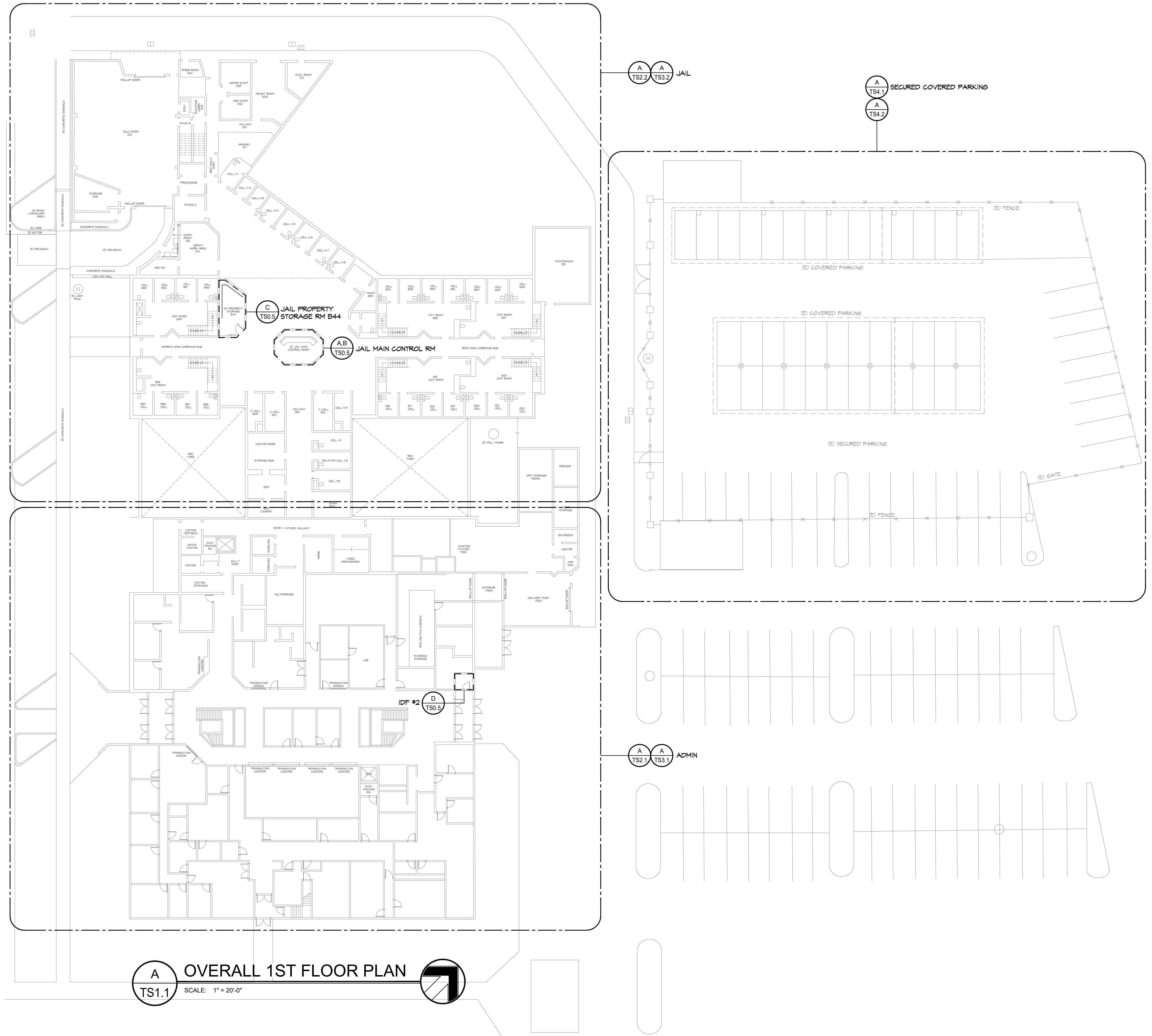
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SHEET TITLE  
 OVERALL FIRST FLOOR PLAN

DRAWN: BC  
 CHECKED: JEG  
 DATE: 2/21/2023  
 JOB NUMBER: 22083  
 PROJECT MGR: BC

**TS1.1**



**A OVERALL 1ST FLOOR PLAN**  
 TS1.1 SCALE: 1" = 20'-0"



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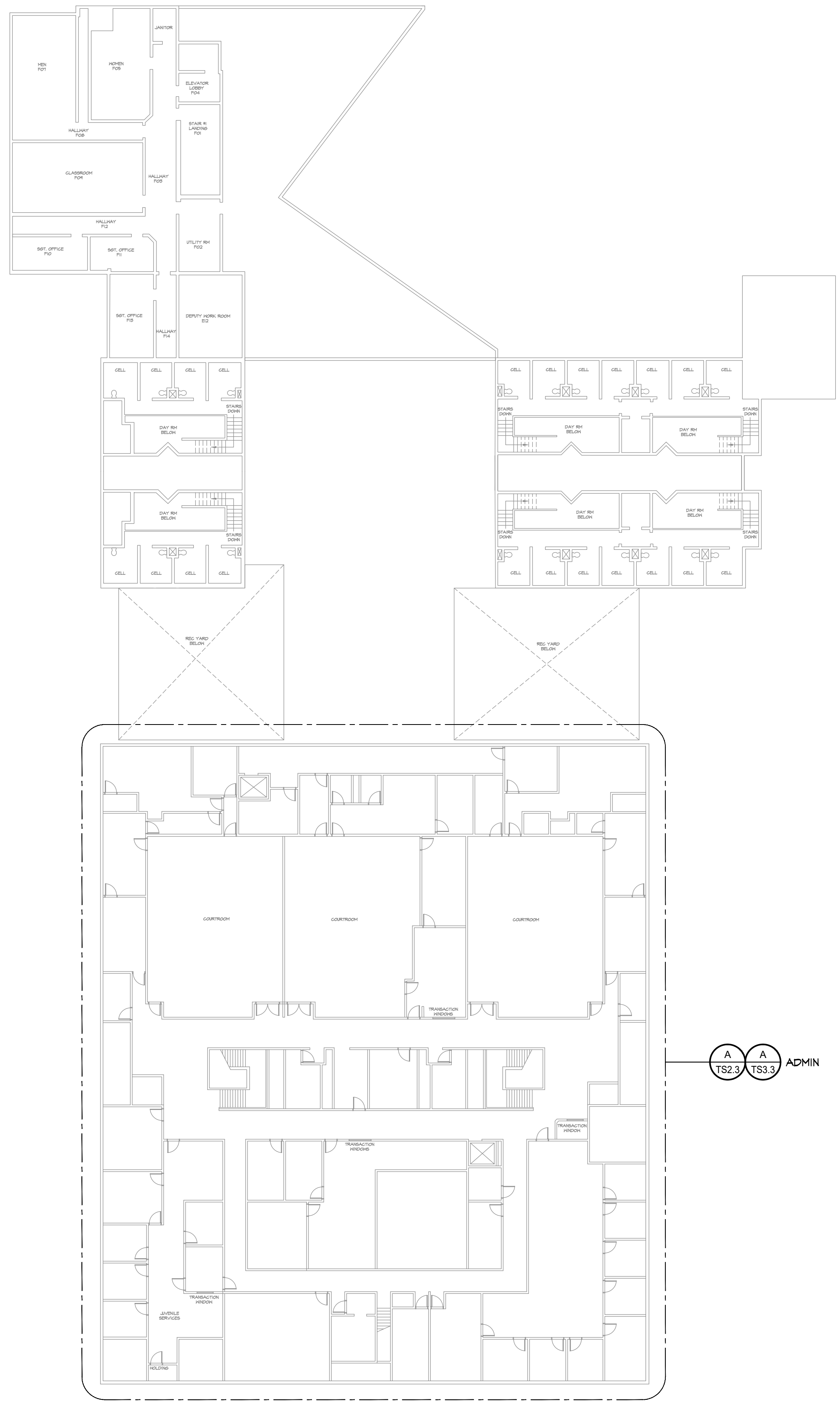
REVISIONS

SHEET TITLE

OVERALL 2ND FLOOR  
ADMIN AREA PLAN

DRAWN: BC  
CHECKED: JEG  
DATE: 2/21/2023  
JOB NUMBER: 22083  
PROJECT MGR: BC

TS1.2



**A OVERALL 2ND FLOOR ADMIN PLAN**  
SCALE: 1" = 20'-0"



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SHEET TITLE

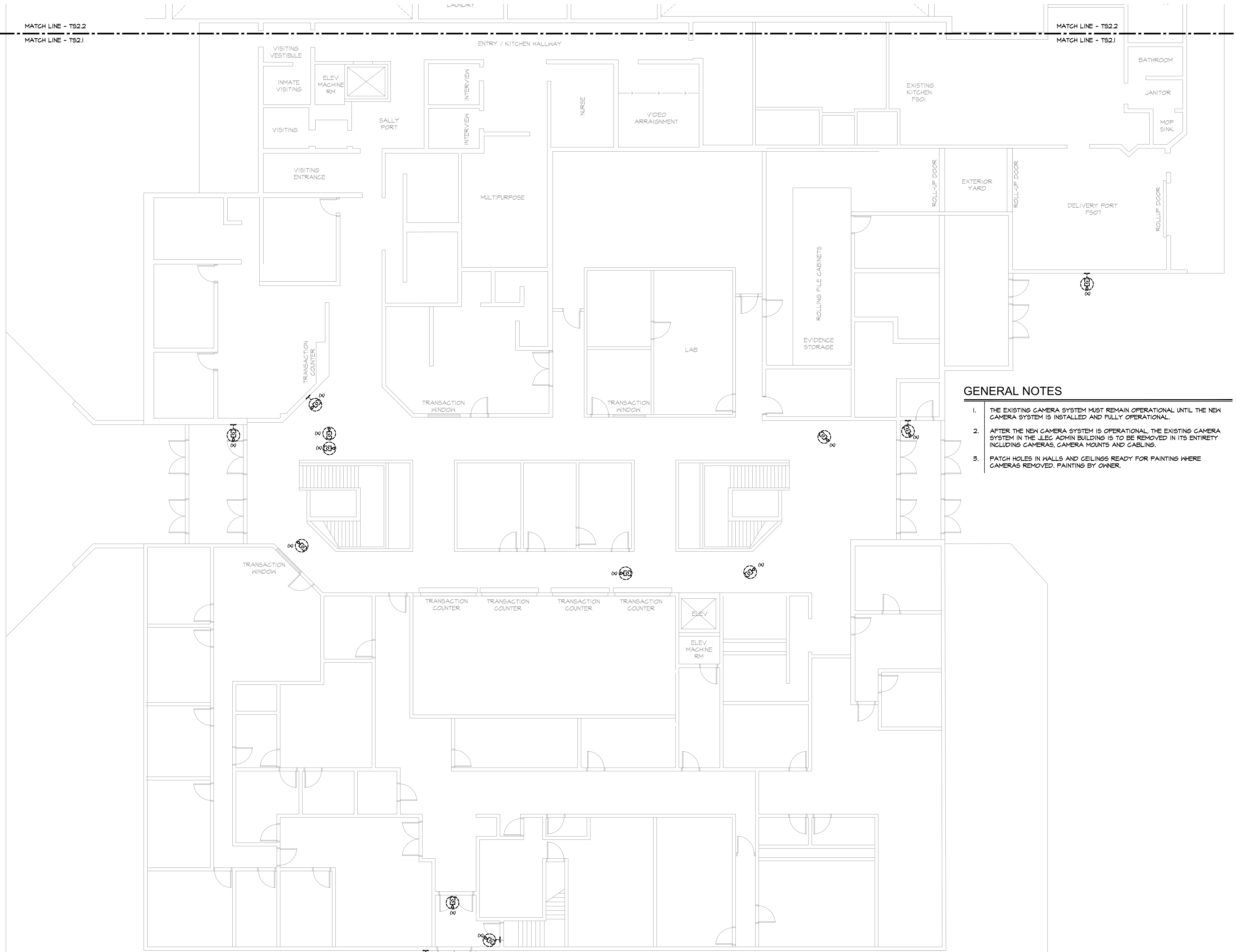
FIRST FLOOR ADMIN AREA CAMERA PLAN -  
DEMOLITION

DRAWN: BC  
CHECKED: JEG  
DATE: 2/21/2023  
JOB NUMBER: 22083  
PROJECT MGR: BC

TS2.1

MATCH LINE - TS2.2  
MATCH LINE - TS2.1

MATCH LINE - TS2.2  
MATCH LINE - TS2.1

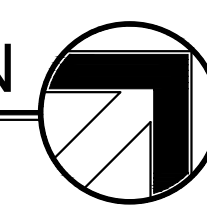


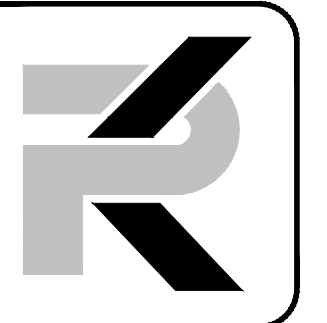
**GENERAL NOTES**

1. THE EXISTING CAMERA SYSTEM MUST REMAIN OPERATIONAL UNTIL THE NEW CAMERA SYSTEM IS INSTALLED AND FULLY OPERATIONAL.
2. AFTER THE NEW CAMERA SYSTEM IS OPERATIONAL, THE EXISTING CAMERA SYSTEM IN THE JLEC ADMIN BUILDING IS TO BE REMOVED IN ITS ENTIRETY INCLUDING CAMERAS, CAMERA MOUNTS AND CABLING.
3. PATCH HOLES IN WALLS AND CEILINGS READY FOR PAINTING WHERE CAMERAS REMOVED. PAINTING BY OWNER.

**A**  
TS2.1  
SCALE: 1/8" = 1'-0"

**FIRST FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION**





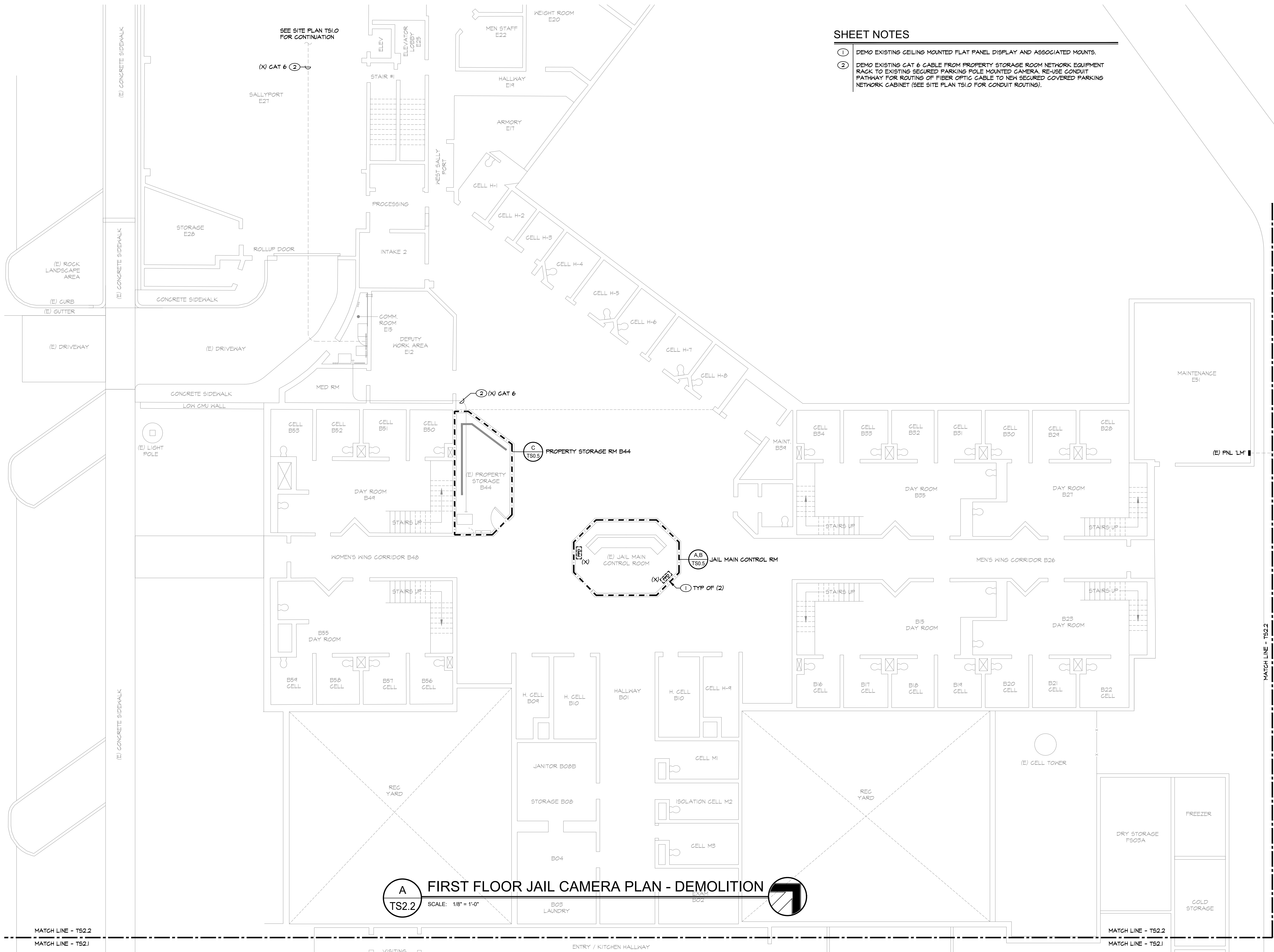
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**SHEET NOTES**

- ① DEMO EXISTING CEILING MOUNTED FLAT PANEL DISPLAY AND ASSOCIATED MOUNTS.
- ② DEMO EXISTING CAT 6 CABLE FROM PROPERTY STORAGE ROOM NETWORK EQUIPMENT RACK TO EXISTING SECURED PARKING POLE MOUNTED CAMERA. RE-USE CONDUIT PATHWAY FOR ROUTING OF FIBER OPTIC CABLE TO NEW SECURED COVERED PARKING NETWORK CABINET (SEE SITE PLAN TS1.0 FOR CONDUIT ROUTING).



**A FIRST FLOOR JAIL CAMERA PLAN - DEMOLITION**  
 TS2.2 SCALE: 1/8" = 1'-0"

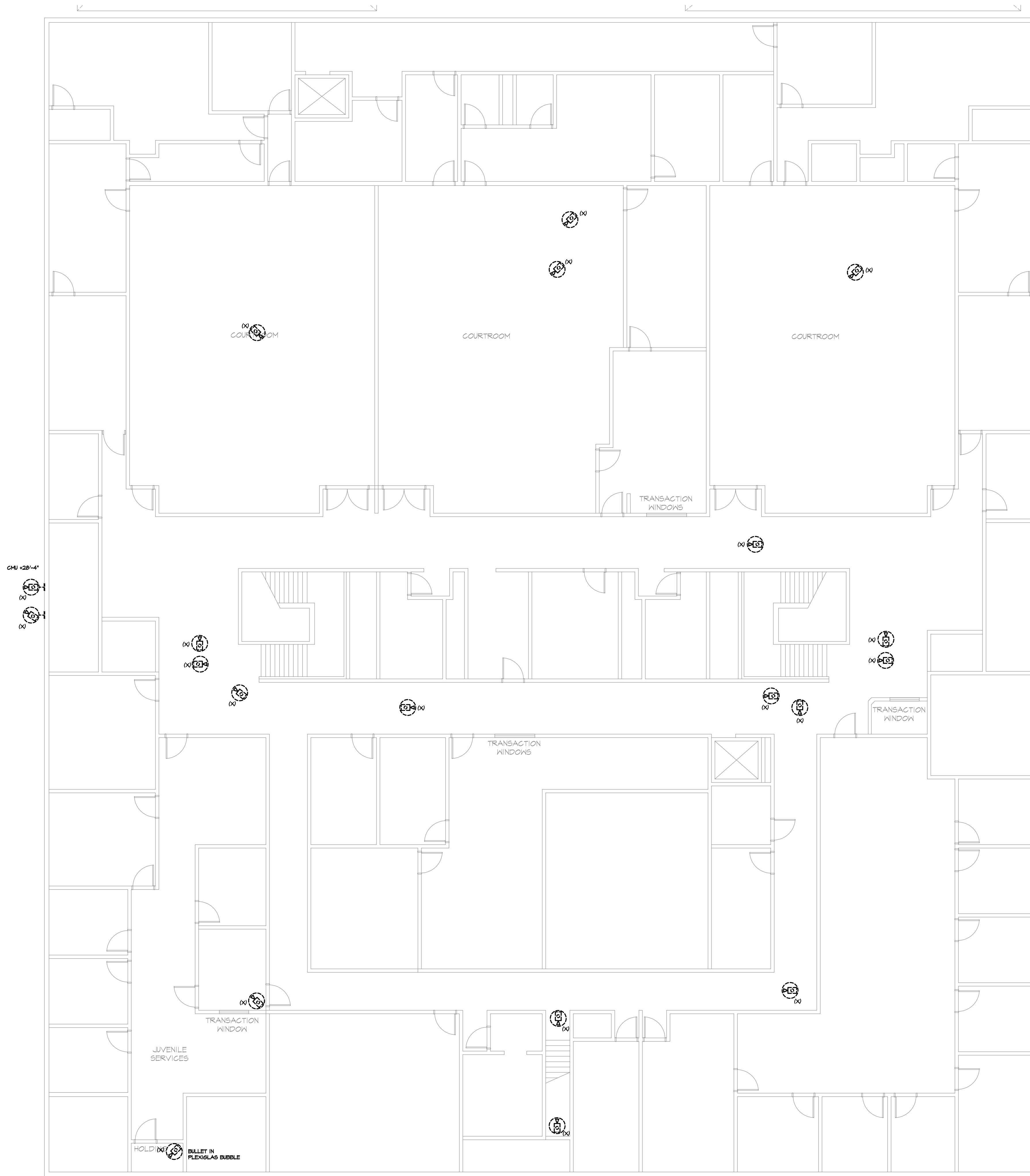
**REVISIONS**

NO.	DESCRIPTION

**SHEET TITLE**  
 FIRST FLOOR JAIL PLAN - DEMOLITION

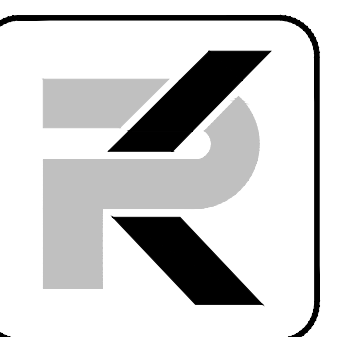
DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**TS2.2**



**GENERAL NOTES**

1. THE EXISTING CAMERA SYSTEM MUST REMAIN OPERATIONAL UNTIL THE NEW CAMERA SYSTEM IS INSTALLED AND FULLY OPERATIONAL.
2. AFTER THE NEW CAMERA SYSTEM IS OPERATIONAL, THE EXISTING CAMERA SYSTEM IN THE JLEC ADMIN BUILDING IS TO BE REMOVED IN ITS ENTIRETY INCLUDING CAMERAS, CAMERA MOUNTS AND CABLING.
3. PATCH HOLES IN WALLS AND CEILINGS READY FOR PAINTING WHERE CAMERAS REMOVED. PAINTING BY OWNER.



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**REVISIONS**

NO.	DESCRIPTION

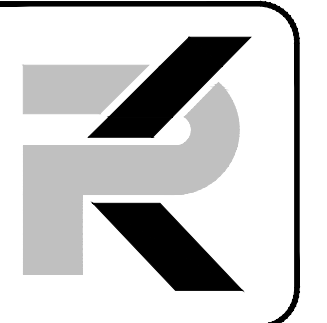
**SHEET TITLE**

SECOND FLOOR ADMIN  
 AREA CAMERA PLAN -  
 DEMOLITION

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**A** **SECOND FLOOR ADMIN AREA CAMERA PLAN - DEMOLITION**  
 TS2.3 SCALE: 1/8" = 1'-0"

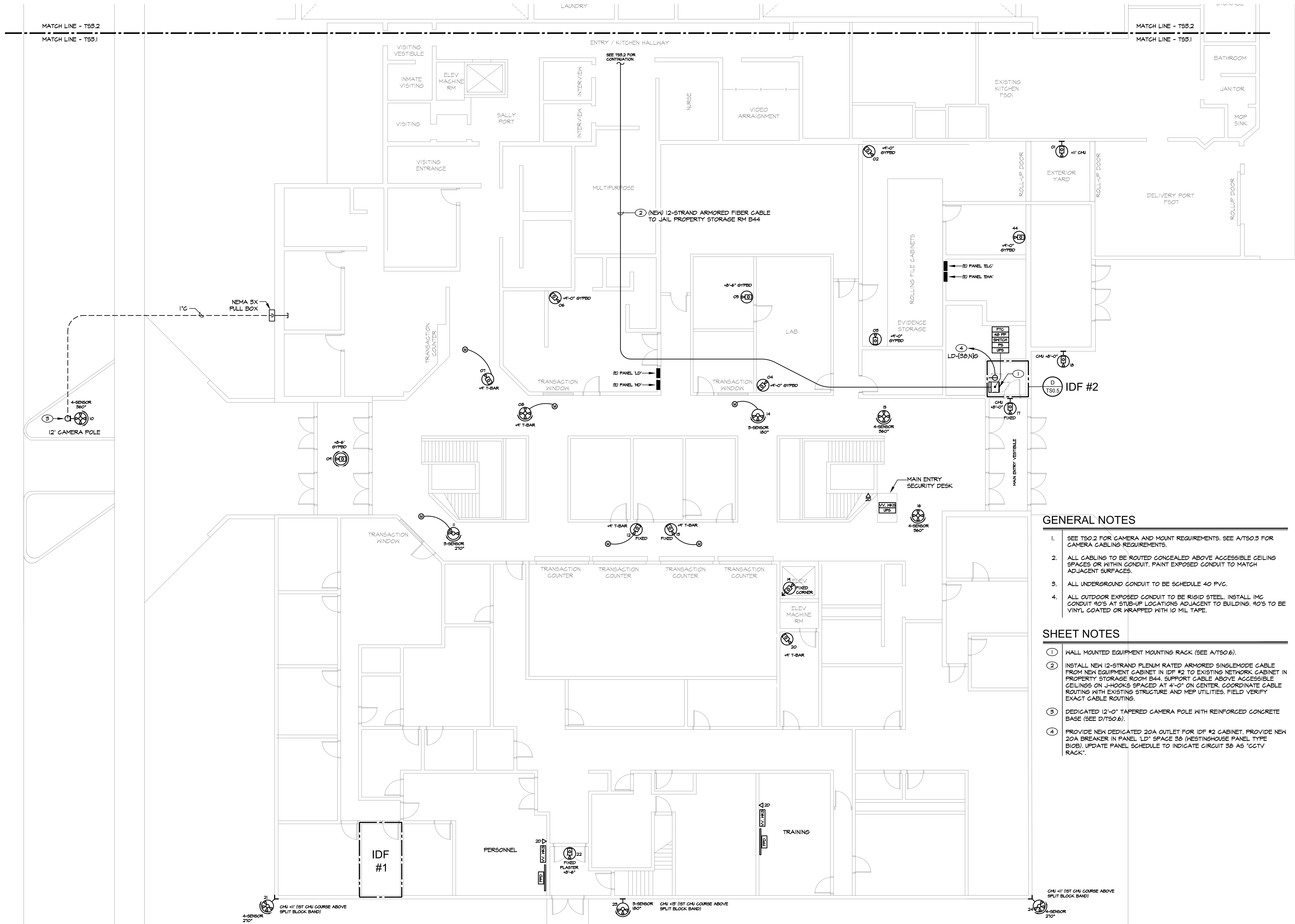
**TS2.3**



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**GENERAL NOTES**

- SEE TSO.2 FOR CAMERA AND MOUNT REQUIREMENTS. SEE A/TSO.3 FOR CAMERA CABLING REQUIREMENTS.
- ALL CABLING TO BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES OR WITHIN CONDUIT. PAINT EXPOSED CONDUIT TO MATCH ADJACENT SURFACES.
- ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC.
- ALL OUTDOOR EXPOSED CONDUIT TO BE RIGID STEEL. INSTALL IMC CONDUIT 90'S AT STUB-UP LOCATIONS ADJACENT TO BUILDING. 90'S TO BE VINYL COATED OR WRAPPED WITH 10 MIL TAPE.

**SHEET NOTES**

- WALL MOUNTED EQUIPMENT MOUNTING RACK (SEE A/TSO.6).
- INSTALL NEW 12-STRAND PLENUM RATED ARMORED SINGLEMODE CABLE FROM NEW EQUIPMENT CABINET IN IDF #2 TO EXISTING NETWORK CABINET IN PROPERTY STORAGE ROOM B44. SUPPORT CABLE ABOVE ACCESSIBLE CEILING ON J-HOOKS SPACED AT 4'-0" ON CENTER. COORDINATE CABLE ROUTING WITH EXISTING STRUCTURE AND MEP UTILITIES. FIELD VERIFY EXACT CABLE ROUTING.
- DEDICATED 12'-0" TAPERED CAMERA POLE WITH REINFORCED CONCRETE BASE (SEE D/TSO.6).
- PROVIDE NEW DEDICATED 20A OUTLET FOR IDF #2 CABINET. PROVIDE NEW 20A BREAKER IN PANEL LD' SPACE 38 (WESTINGHOUSE PANEL TYPE B10B). UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 38 AS 'CCTV RACK'.

**A FIRST FLOOR ADMIN AREA CAMERA PLAN - NEW WORK**  
 TS3.1 SCALE: 1/8" = 1'-0"

REVISIONS

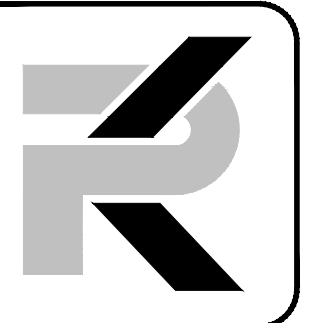
NO.	DESCRIPTION	DATE

**SHEET TITLE**  
 FIRST FLOOR ADMIN AREA CAMERA PLAN - NEW WORK

PROJECT MGR: BC

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**TS3.1**



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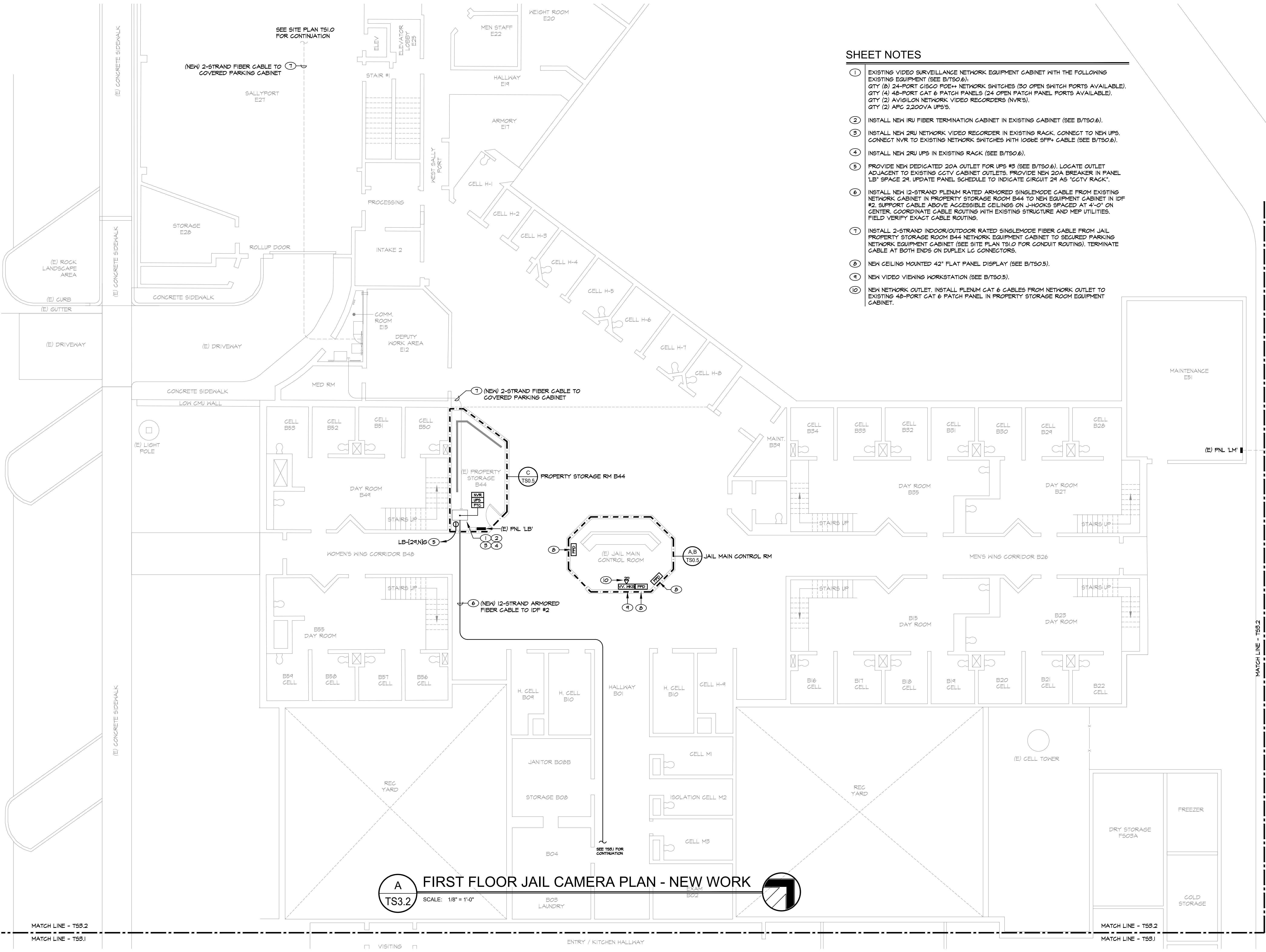
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### SHEET NOTES

- 1 EXISTING VIDEO SURVEILLANCE NETWORK EQUIPMENT CABINET WITH THE FOLLOWING EXISTING EQUIPMENT (SEE B/TSO.6):  
QTY (8) 24-PORT CISCO POE+ NETWORK SWITCHES (80 OPEN SWITCH PORTS AVAILABLE).  
QTY (4) 48-PORT CAT 6 PATCH PANELS (24 OPEN PATCH PANEL PORTS AVAILABLE).  
QTY (2) AVIGILON NETWORK VIDEO RECORDERS (NVR'S).  
QTY (2) APC 2200VA UPS'S.
- 2 INSTALL NEW IRU FIBER TERMINATION CABINET IN EXISTING CABINET (SEE B/TSO.6).
- 3 INSTALL NEW 2RU NETWORK VIDEO RECORDER IN EXISTING RACK. CONNECT TO NEW UPS. CONNECT NVR TO EXISTING NETWORK SWITCHES WITH 1000E SFP+ CABLE (SEE B/TSO.6).
- 4 INSTALL NEW 2RU UPS IN EXISTING RACK (SEE B/TSO.6).
- 5 PROVIDE NEW DEDICATED 20A OUTLET FOR UPS #3 (SEE B/TSO.6). LOCATE OUTLET ADJACENT TO EXISTING CCTV CABINET OUTLETS. PROVIDE NEW 20A BREAKER IN PANEL 'LB' SPACE 24. UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 24 AS 'CCTV RACK'.
- 6 INSTALL NEW 12-STRAND PLENUM RATED ARMORED SINGLEMODE CABLE FROM EXISTING NETWORK CABINET IN PROPERTY STORAGE ROOM B44 TO NEW EQUIPMENT CABINET IN IDF #2. SUPPORT CABLE ABOVE ACCESSIBLE CEILINGS ON J-HOOKS SPACED AT 4'-0" ON CENTER. COORDINATE CABLE ROUTING WITH EXISTING STRUCTURE AND MEP UTILITIES. FIELD VERIFY EXACT CABLE ROUTING.
- 7 INSTALL 2-STRAND INDOOR/OUTDOOR RATED SINGLEMODE FIBER CABLE FROM JAIL PROPERTY STORAGE ROOM B44 NETWORK EQUIPMENT CABINET TO SECURED PARKING NETWORK EQUIPMENT CABINET (SEE SITE PLAN T91.0 FOR CONDUIT ROUTING). TERMINATE CABLE AT BOTH ENDS ON DUPLEX LC CONNECTORS.
- 8 NEW CEILING MOUNTED 42" FLAT PANEL DISPLAY (SEE B/TSO.5).
- 9 NEW VIDEO VIEWING WORKSTATION (SEE B/TSO.5).
- 10 NEW NETWORK OUTLET. INSTALL PLENUM CAT 6 CABLES FROM NETWORK OUTLET TO EXISTING 48-PORT CAT 6 PATCH PANEL IN PROPERTY STORAGE ROOM EQUIPMENT CABINET.



**A** FIRST FLOOR JAIL CAMERA PLAN - NEW WORK  
 TS3.2 SCALE: 1/8" = 1'-0"

MATCH LINE - TS3.2  
MATCH LINE - TS3.1

MATCH LINE - TS3.2  
MATCH LINE - TS3.1

### REVISIONS

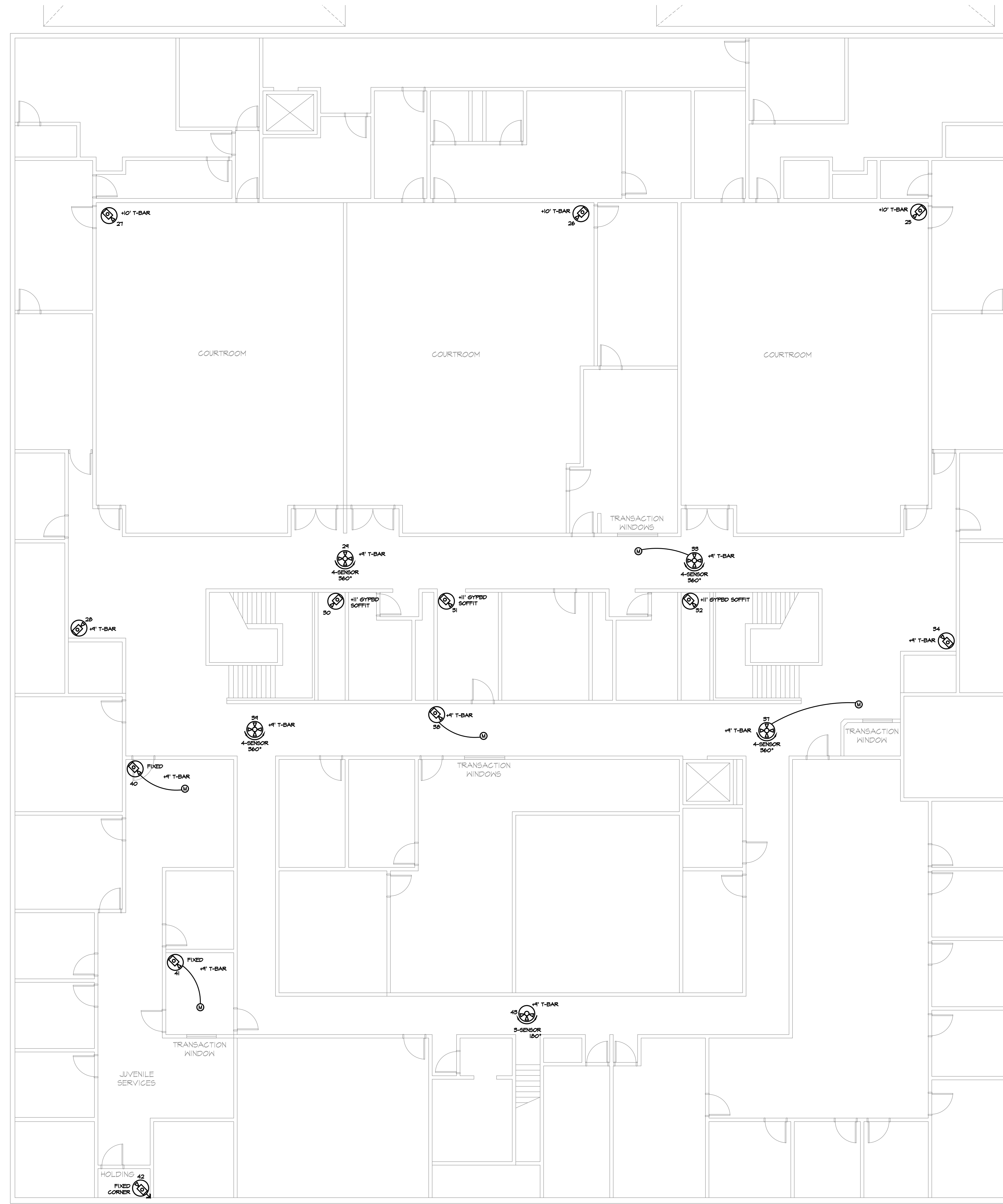
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### SHEET TITLE

FIRST FLOOR JAIL PLAN  
- NEW WORK

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

# TS3.2



- GENERAL NOTES**
- SEE TSO.2 FOR CAMERA AND MOUNT REQUIREMENTS. SEE A/TSO.3 FOR CAMERA CABLING REQUIREMENTS.
  - ALL CABLING TO BE ROUTED CONCEALED ABOVE ACCESSIBLE CEILING SPACES OR WITHIN CONDUIT. PAINT EXPOSED CONDUIT TO MATCH ADJACENT SURFACES.
  - ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC.
  - ALL OUTDOOR EXPOSED CONDUIT TO BE RIGID STEEL. INSTALL IMC CONDUIT 90'S AT STUB-UP LOCATIONS ADJACENT TO BUILDING. 90'S TO BE VINYL COATED OR WRAPPED WITH 10 MIL TAPE.

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SHEET TITLE  
 SECOND FLOOR ADMIN  
 AREA CAMERA PLAN -  
 NEW WORK

DRAWN: BC  
 CHECKED: JEG  
 DATE: 2/21/2023  
 JOB NUMBER: 22083  
 PROJECT MGR: BC

**A** SECOND FLOOR ADMIN AREA CAMERA PLAN - NEW WORK

TS3.3 SCALE: 1/8" = 1'-0"

**TS3.3**





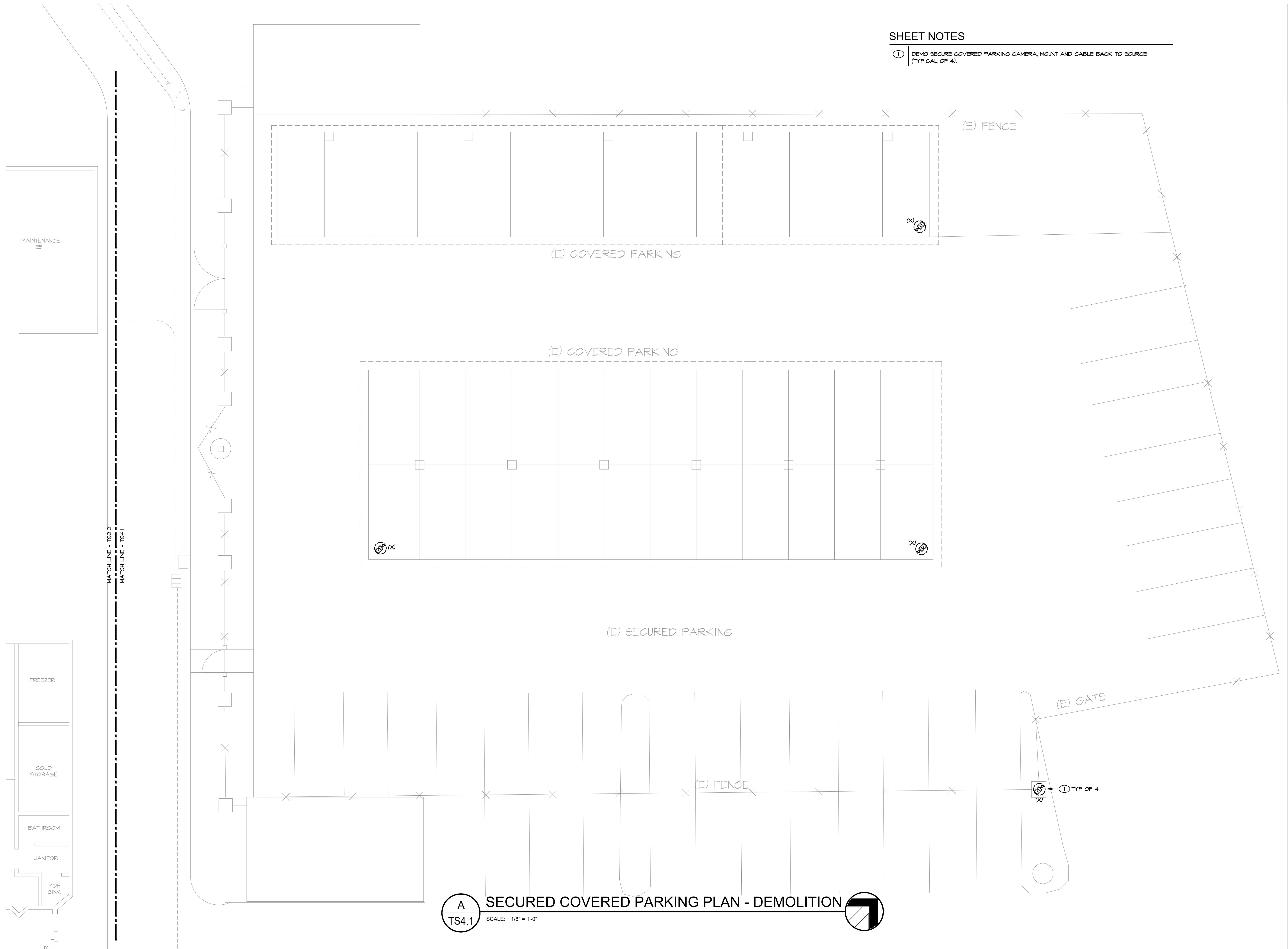
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**SHEET NOTES**

- ① DEMO SECURE COVERED PARKING CAMERA, MOUNT AND CABLE BACK TO SOURCE (TYPICAL OF 4).



**A** SECURED COVERED PARKING PLAN - DEMOLITION  
 TS4.1 SCALE: 1/8" = 1'-0"

REVISIONS

NO.	DESCRIPTION

SHEET TITLE

SECURED COVERED  
 PARKING PLAN -  
 DEMOLITION

DRAWN:	BC
CHECKED:	JEG
DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**TS4.1**

**GENERAL NOTES**

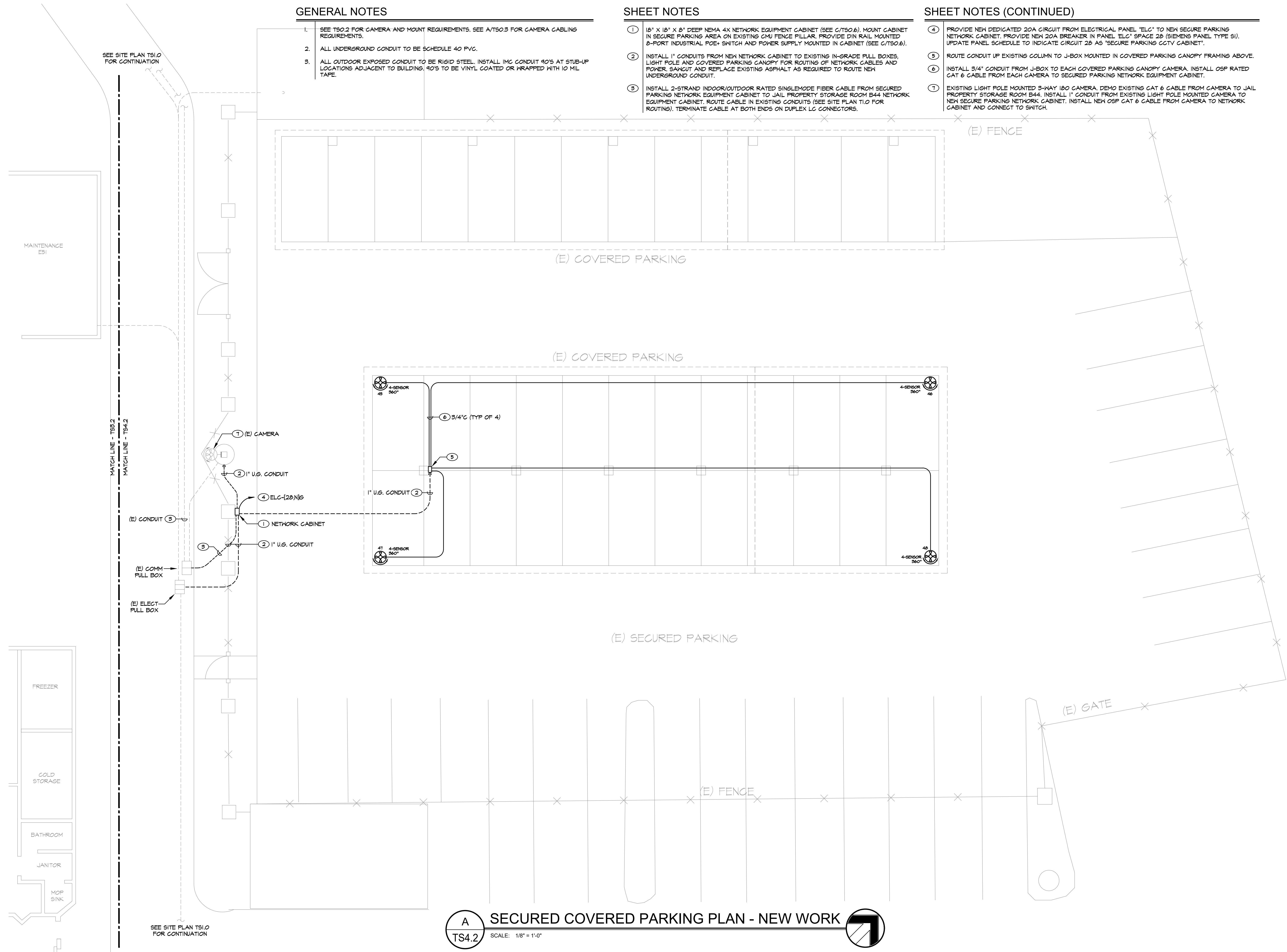
1. SEE TSO.2 FOR CAMERA AND MOUNT REQUIREMENTS. SEE A/TSO.3 FOR CAMERA CABLING REQUIREMENTS.
2. ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC.
3. ALL OUTDOOR EXPOSED CONDUIT TO BE RIGID STEEL. INSTALL IMC CONDUIT 90'S AT STUB-UP LOCATIONS ADJACENT TO BUILDING. 90'S TO BE VINYL COATED OR WRAPPED WITH 10 MIL TAPE.

**SHEET NOTES**

- ① 18" X 18" X 8" DEEP NEMA 4X NETWORK EQUIPMENT CABINET (SEE C/TSO.6). MOUNT CABINET IN SECURE PARKING AREA ON EXISTING CMU FENCE PILLAR. PROVIDE DIN RAIL MOUNTED 8-PORT INDUSTRIAL POE+ SWITCH AND POWER SUPPLY MOUNTED IN CABINET (SEE C/TSO.6).
- ② INSTALL 1" CONDUITS FROM NEW NETWORK CABINET TO EXISTING IN-GRADE FULL BOXES, LIGHT POLE AND COVERED PARKING CANOPY FOR ROUTING OF NETWORK CABLES AND POWER. SAWCUT AND REPLACE EXISTING ASPHALT AS REQUIRED TO ROUTE NEW UNDERGROUND CONDUIT.
- ③ INSTALL 2-STRAND INDOOR/OUTDOOR RATED SINGLEMODE FIBER CABLE FROM SECURED PARKING NETWORK EQUIPMENT CABINET TO JAIL PROPERTY STORAGE ROOM B44 NETWORK EQUIPMENT CABINET. ROUTE CABLE IN EXISTING CONDUITS (SEE SITE PLAN T1.0 FOR ROUTINGS). TERMINATE CABLE AT BOTH ENDS ON DUPLEX LC CONNECTORS.

**SHEET NOTES (CONTINUED)**

- ④ PROVIDE NEW DEDICATED 20A CIRCUIT FROM ELECTRICAL PANEL 'ELC' TO NEW SECURE PARKING NETWORK CABINET. PROVIDE NEW 20A BREAKER IN PANEL 'ELC' SPACE 28 (SIEMENS PANEL TYPE S1). UPDATE PANEL SCHEDULE TO INDICATE CIRCUIT 28 AS "SECURE PARKING CCTV CABINET".
- ⑤ ROUTE CONDUIT UP EXISTING COLUMN TO J-BOX MOUNTED IN COVERED PARKING CANOPY FRAMING ABOVE.
- ⑥ INSTALL 3/4" CONDUIT FROM J-BOX TO EACH COVERED PARKING CANOPY CAMERA. INSTALL OSP RATED CAT 6 CABLE FROM EACH CAMERA TO SECURED PARKING NETWORK EQUIPMENT CABINET.
- ⑦ EXISTING LIGHT POLE MOUNTED 3-WAY 180 CAMERA. DEMO EXISTING CAT 6 CABLE FROM CAMERA TO JAIL PROPERTY STORAGE ROOM B44. INSTALL 1" CONDUIT FROM EXISTING LIGHT POLE MOUNTED CAMERA TO NEW SECURE PARKING NETWORK CABINET. INSTALL NEW OSP CAT 6 CABLE FROM CAMERA TO NETWORK CABINET AND CONNECT TO SWITCH.



SEE SITE PLAN TSI.0 FOR CONTINUATION

MATCH LINE - TS4.2  
MATCH LINE - TS4.2

SEE SITE PLAN TSI.0 FOR CONTINUATION

**A** SECURED COVERED PARKING PLAN - NEW WORK  
SCALE: 1/8" = 1'-0"

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**REVISIONS**

NO.	DESCRIPTION

**SHEET TITLE**

SECURED COVERED PARKING PLAN - NEW WORK

DRAWN:	BC
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DATE:	2/21/2023
JOB NUMBER:	22083
PROJECT MGR:	BC

**TS4.2**