

WAYPOINT

SECURITY DRAWINGS PHASE 4 CONSTRUCTION DOCUMENTS










SECURITY NOTES

1. ONLY THE FOLLOWING APPROVED CONTRACTORS SHALL BE PERMITTED TO CARRY OUT THIS SCOPE OF WORK. CONTACT INFO IS AS FOLLOWS:
 - TYCO/JOI, PALADIN, CONVERGENT, CHUBB EDWARDS, SECURITAS.
2. DRAWINGS, RISERS AND DETAILS ARE INTENDED TO BE FOR GENERAL ARRANGEMENT ONLY AND ARE DIAGRAMMATIC IN NATURE. THEY DO NOT SHOW ALL NECESSARY COMPONENTS AND CONNECTIONS, BUT ARE MERELY A GUIDE TO AID THE SECURITY CONTRACTOR IN UNDERSTANDING THE REQUIREMENTS AND SCOPE. BEFORE ANY SECURITY EQUIPMENT IS ROUGHED IN, ITS EXACT LOCATION MUST BE VERIFIED ON SITE.
3. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR DIMENSIONS, FINISHES AND MOUNTING HEIGHTS OF DEVICES ETC. ALL VISIBLE FINISHES, INCLUDING TRIMS, LENSES, MOUNTS AND BRACKETS SHALL BE VERIFIED BY THE ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR SHALL CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF ALL BACK BOXES WITH THE ARCHITECT PRIOR TO INSTALLATION.
4. IT IS THE RESPONSIBILITY OF THE SECURITY CONTRACTOR TO REVIEW THE CONTRACT DOCUMENTS IN CONJUNCTION WITH THE ELECTRICAL, COMMUNICATIONS AND DOOR HARDWARE CONTRACT DOCUMENTS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FULLY ANALYZE AND UNDERSTAND THE COMPLETE SCOPE OF WORK PORTRAYED IN THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS AND TO PARTAKE IN A COMPREHENSIVE SITE WALKTHROUGH AND VERIFY THE SITE CONDITIONS. WHERE DISCREPANCIES OCCUR BETWEEN THE CONTRACT DOCUMENTS, WHICH INCLUDE THE DRAWINGS, SPECIFICATIONS, ALLOCATION SHEETS AND/OR BETWEEN THE CONTRACT DOCUMENTS AND THE SITE CONDITIONS, THE CONTRACTOR SHALL REQUEST ANY SCOPE CLARIFICATIONS DURING THE TENDERING STAGE. AND RAISE THE ISSUE VIA A RFI PRIOR TO AWARD OF CONTRACT OR INCLUDE FOR THE MOST ONERIOUS SCOPE OF WORK.
5. THE SECURITY CONTRACTOR SHALL PROVIDE (SUPPLY, INSTALL, CONFIGURE, TEST AND COMMISSION) NETWORK (IP) BASED, CENTRALLY CONTROLLABLE AND FULLY INTEGRATED SECURITY SYSTEMS CONSISTING OF, BUT NOT LIMITED TO, ACCESS CONTROL AND ALARM MONITORING (ACAM) SYSTEM, INTERCOMMUNICATIONS SYSTEM AND VIDEO SURVEILLANCE SYSTEM.
6. MAINTAIN THE INTEGRITY OF ALL FIRE SEPARATIONS. PROVIDE ALL NECESSARY ULC LISTED PRODUCTS WHICH ARE REQUIRED TO GO AROUND AND IN CABLE TROUGH, CONDUIT, ETC., WHICH PASS THROUGH FIRE RATED ASSEMBLIES, TO RETAIN THE FIRE RATING OF THESE ASSEMBLIES.
7. PROVIDE ALL GROUNDING IN ACCORDANCE WITH THE RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
8. WHERE FIRE ALARM PULL STATIONS ARE REQUIRED, AT DOORS EQUIPPED WITH ELECTRO-MAGNETIC LOCKS, THE PULL STATION SHALL BE PROVIDED, COMPLETE WITH DPST CONTACTS, BY THE ELECTRICAL CONTRACTOR.
9. PROVISION OF ALL 120V POWER, E.M.T. CONDUIT, BACK BOXES AND JUNCTION BOXES REQUIRED TO FACILITATE THE COMPLETE INSTALLATION OF THE SECURITY SYSTEM SHALL BE BY THE ELECTRICAL CONTRACTOR.
10. ALL SECURITY CABLING AND WIRING SHALL BE ENCLOSED IN MINIMUM 21MM (3/4") E.M.T CONDUIT.
11. ALL UNTERMINATED CABLE AND WIRE RUNS SHALL BE PROPERLY CAPPED, COILED AND STORED AS PER ALL APPLICABLE CODES AND GOVERNING AUTHORITIES HAVING JURISDICTION.
12. ALL CABLE AND WIRE RUNS SHALL BE PROVIDED WITH AN ADDITIONAL TWELVE (12) FEET OF SLACK AT BOTH ENDS.
13. ON ALL CONDUIT RUNS OF 30 METERS OR MORE, INSTALL PULL-BOXES WHERE REQUIRED TO SUIT SIDE CONDITIONS.
14. DETAILS ARE INTENDED TO BE FOR GENERAL ARRANGEMENT ONLY. THEY DO NOT SHOW ALL NECESSARY COMPONENTS, BUT ARE MERELY A GUIDE AS TO THE ORIENTATION OF EQUIPMENT WHICH IS REQUIRED.
15. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NEW CONDUIT, JUNCTION BOXES, BACK BOXES AND 120VAC POWER WHERE INDICATED ON DRAWINGS OR SPECIFIED. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING 120 V, 15 A, CIRCUIT BREAKER PROTECTED, DIRECT CONNECT CORDS AND POWER SUPPLIES. THE SECURITY CONTRACTOR SHALL PROVIDE BATTERY BACKUP TO SUPPORT SECURITY PANELS AND POWER SUPPLIES FOR ONE (1) HOUR. MAGLOCK POWER SUPPLIES SHALL BE PROVIDED WITH A 020 DIRECT POWER CONNECTOR AND SHALL NOT BE SUPPORTED BY THE BATTERY BACKUP.
16. THE CONTRACTOR SHALL ENSURE THAT THE TYPE AND QUANTITY OF WIRING AS WELL AS SIZE AND QUANTITY OF CONDUIT SHALL BE AS PER THE SPECIFIC EQUIPMENT MANUFACTURER'S REQUIREMENTS OR AS NOTED ON THE DRAWINGS.
17. THE CONTRACTOR SHALL ENSURE ALL SECURITY WIRING IS ENCLOSED IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4" (21mm) UNLESS OTHERWISE NOTED. ALL CONDUITS TO BE MARKED CLEARLY AT BOTH ENDS. ON ALL CONDUIT RUNS OF 30m OR MORE, INSTALL PULLBOXES WHERE REQUIRED TO SUIT SITE CONDITIONS. ALL NEW CONDUIT SHALL BE COMPLETE WITH PULLSTRING.
18. WHERE APPLICABLE, EXISTING TO REMAIN CONDUIT AND CABLING IS ENCOURAGED TO BE RE-USED, SUBJECT TO INTEGRITY AS VERIFIED BY THE CONTRACTOR. THE CONTRACTOR MAY RE-USE EXISTING CONDUIT AND CABLING SOLELY ON THE BASIS THAT THE DRAWINGS AND SPECIFICATIONS ARE SATISFIED IN THEIR ENTIRETY. IF EXISTING CONDUIT AND/OR CABLING IS INSUFFICIENT, INTENDED TO BE REMOVED OR CANNOT BE PROVEN TO BE SUFFICIENT TO MEET THE SPECIFICATIONS, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE NEW.
19. THE CONTRACTOR IS RESPONSIBLE TO REORGANIZE AND NEATLY MANAGE ALL CABLING WITHIN ALL CABINETS AND ENCLOSURES.
20. FINAL CONNECTIONS SHALL BE DENOTED BY CONTRACTOR IN POINT ALLOCATION TABLE VIA AS BUILT PACKAGE SUBMITTAL.
21. THE CONTRACTOR SHALL REFER TO COMMUNICATIONS DRAWINGS FOR LAN ROOM ORIENTATION LOCATION OF DATA DROPS. THE SECURITY CONTRACTOR SHALL REFER TO ELECTRICAL DRAWINGS FOR POWER PANEL LOCATION AND AVAILABILITY OF SPARE CIRCUITS ON POWER PANELS. THE CONTRACTOR SHALL COORDINATE WITH COMMUNICATIONS CONTRACTOR FOR ANY AND ALL COMMUNICATIONS REQUIREMENTS.
22. THE CONTRACTOR SHALL PROVIDE ALL GROUNDING IN ACCORDANCE WITH THE RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
23. NEW OR EXISTING TO REMAIN JUNCTION BOXES, PULL BOXES AND CONNECTORS WITH REMOVAL COVERS, ALLOWING EASY ACCESS TO THE SECURITY WIRING, ARE NOT PERMITTED TO BE EXPOSED ON THE UNSECURE SIDE OF THE SPACE. THE CONTRACTOR SHALL ENSURE ALL SUCH INFRASTRUCTURE SHALL BE RECESSED MOUNTED AND CONCEALED BEHIND FINISHED CEILINGS AND WALLS IF LOCATED ON THE UNSECURE SIDE OF THE SPACE. WHERE EXPOSED INFRASTRUCTURE IS PRESENT ALL REMOVABLE COVERS AND FACEPLATES SHALL BE SECURED WITH SECURITY SCREWS IF IT IS NOT POSSIBLE TO CONCEAL INFRASTRUCTURE WITH REMOVABLE COVERS, SECURITY SCREWS SHALL BE USED TO SECURE ALL COVERS.
24. WHERE AUTOMATIC DOOR OPERATORS ARE EXISTING TO REMAIN OR TO BE PROVIDED, THE SECURITY CONTRACTOR SHALL ENSURE DOOR OPERATOR IS INTEGRATED WITH THE ACCESS CONTROL ELECTRONIC LOCKING/UNLOCKING OF THE DOOR.
25. THE ELECTRICAL CONTRACTOR SHALL ENSURE ALL NEW SECURITY DGPs, ALARM PANELS, CONTROLLERS AND POWER SUPPLIES ARE WALL MOUNTED ON FIRE RETARDANT FLYWOOD BACKBOARDS.
26. THE SECURITY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TIE-INS TO BUILDING FIRE ALARM SYSTEM WHERE MAGLOCKS ARE REQUIRED AND SPECIFIED ON THE DRAWINGS.
27. THE SECURITY CONTRACTOR SHALL COORDINATE WITH THE CLIENT FOR THE CONFIGURATION AND PROGRAMMING OF THE ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEMS.

DRAWING LIST

- SC01: SECURITY SPECIFICATION, LEGEND AND DRAWING LIST
SC02: LEVEL 03 FLOOR PLAN – SECURITY
SC500: SECURITY RISER
SC600: SECURITY DETAILS
SC601: SECURITY DETAILS

SECURITY LEGEND

SYMBOL	DESCRIPTION
	CARD READER
	DOOR MONITORING CONTACT (PROVIDED BY DOOR HARDWARE)
	ELECTROMAGNETIC LOCKING DEVICE (PROVIDED BY DOOR HARDWARE)
	ELECTRIC LOCKING DEVICE (PROVIDED BY DOOR HARDWARE)
	FIXED IP BASED VIDEO SURVEILLANCE CAMERA CEILING MOUNTED
	FIXED 180 DEGREES IP BASED VIDEO SURVEILLANCE CAMERA CEILING MOUNTED
	LOCAL AUDIBLE ALARM
	PANIC BUTTON
	CCTV MONITORING WORKSTATION, COMPLETE WITH ONE (1) 27" 4K IPS LED MONITOR, DELL PRECISION 3460 SMALL WORKSTATION (12TH GEN INTEL CORE I7-12700 (25 MB CACHE, 12 CORES, 20 THREADS, 2.10 GHZ TO 4.90 GHZ TURBO, 65 W) WINDOWS 10 PRO (WINDOWS 11 PRO LICENSE INCLUDED) – ENGLISH, NVIDIA T1000, 4 GB GDR6, 4 MDP GPU, 16 GB 2 X 8 GB, DDR5, 4800 MHZ RAM, 512 GB, M.2, GEN 4 PCIe NVME SSD), OPTICAL MOUSE, KEYBOARD, MONITOR ARM AND MOUNTING ACCESSORIES, CABLING, DESK MOUNTED UPS WITH ADEQUATE CAPACITY TO SUPPORT WORKSTATION FOR A MINIMUM PERIOD OF ONE (1) HOUR

Waypoint Centre for Mental Health Care

Additional Acute Mental Health Inpatient Beds Project

TOANCHE - LEVEL 03

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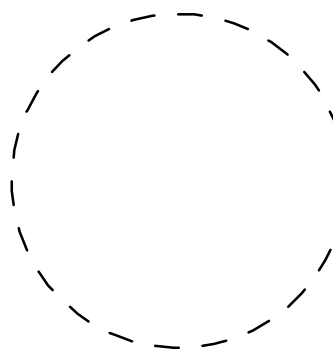
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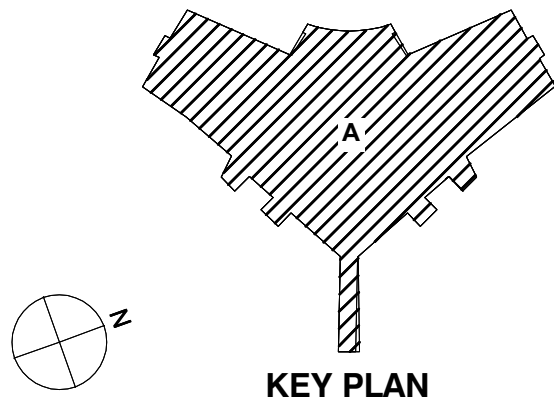


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ISSUED FOR CONSTRUCTION
27 JUNE 2024

5	ISSUED FOR CONSTRUCTION	06/27/2024
4	PHASE 4 CONSTRUCTION DOCUMENTS	11/15/2022
3	QA/QC 95% CDs	11/01/2022
2	LEVEL 03 RENOVATIONS - STAGE 3 SUBMISSION	06/30/2021
1	ISSUED FOR REVIEW	06/15/2021
Rev.	Description	Date



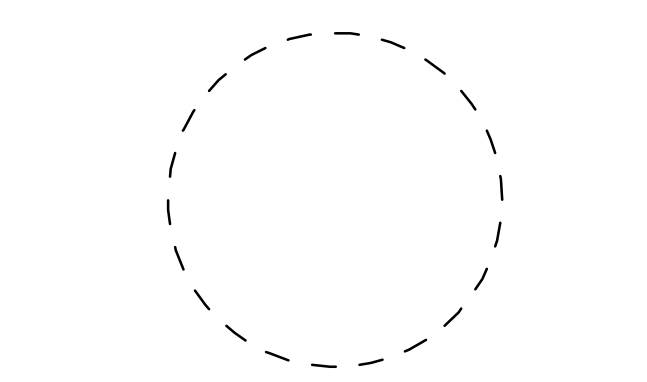
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SECURITY SPECIFICATION, LEGEND AND DRAWING LIST

Project No.: 210029

Checked by: IM

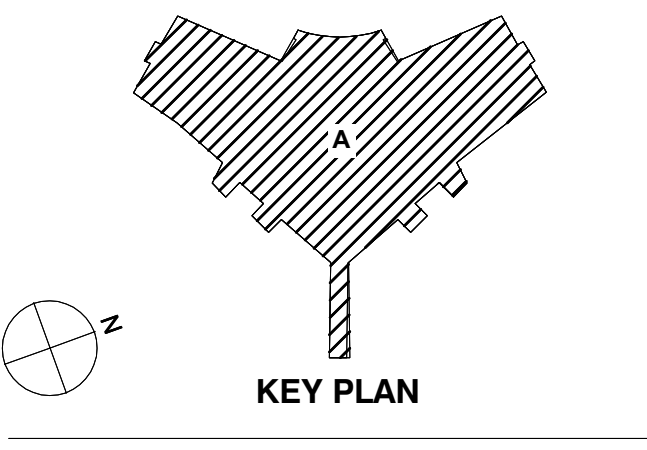
SC001



ISSUED FOR CONSTRUCTION
27 JUNE 2024

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4	PHASE 4 CONSTRUCTION DOCUMENTS	11/15/2022
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Rev. Description Date



KEY PLAN

Drawing Title:

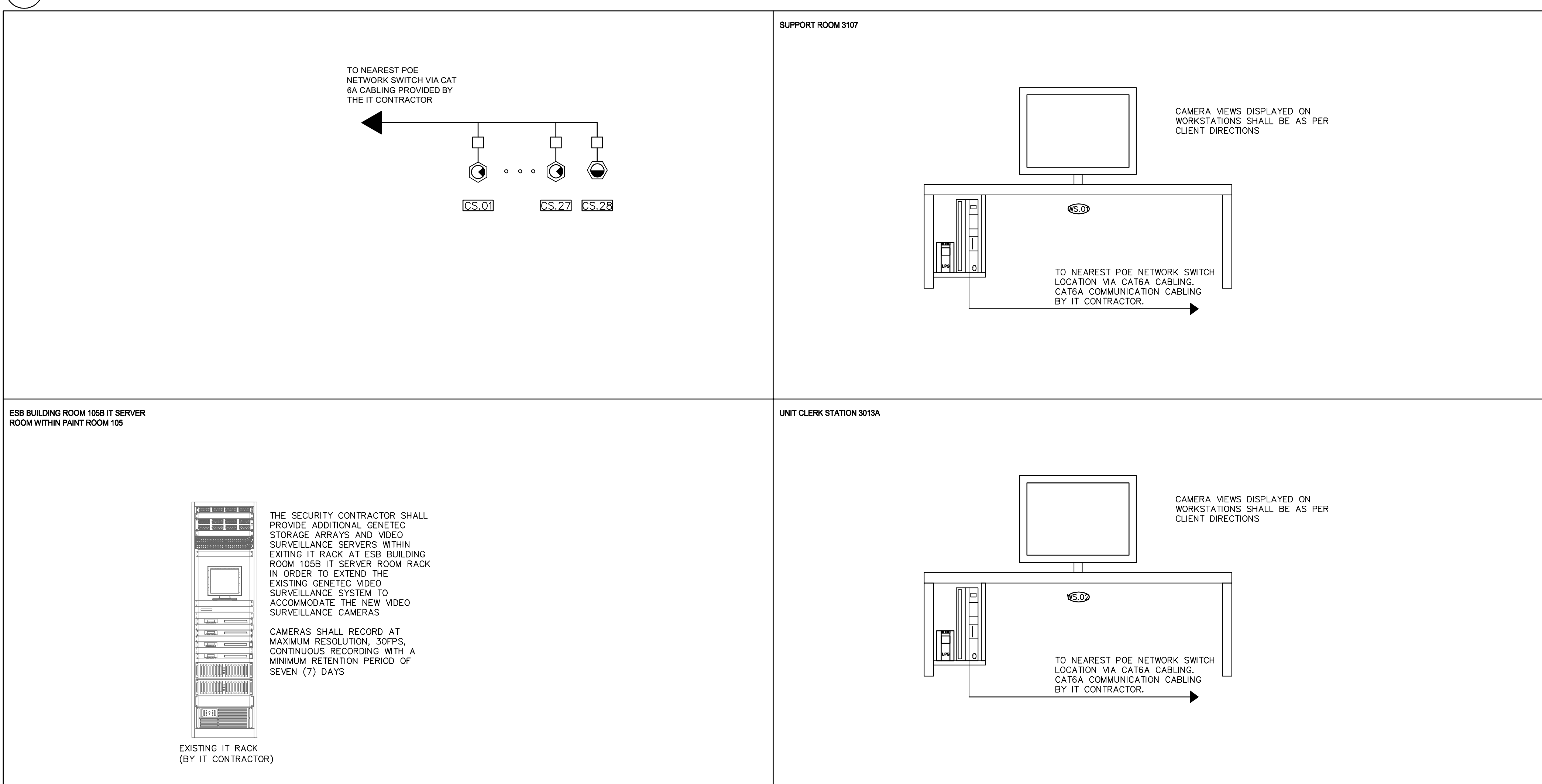
LEVEL 03 FLOOR PLAN - SECURITY

Project No.: 210029 Checked by: JM

SC002

4 ACCESS CONTROL SYSTEM RISER BLOCK DIAGRAM

SCALE: 1:50

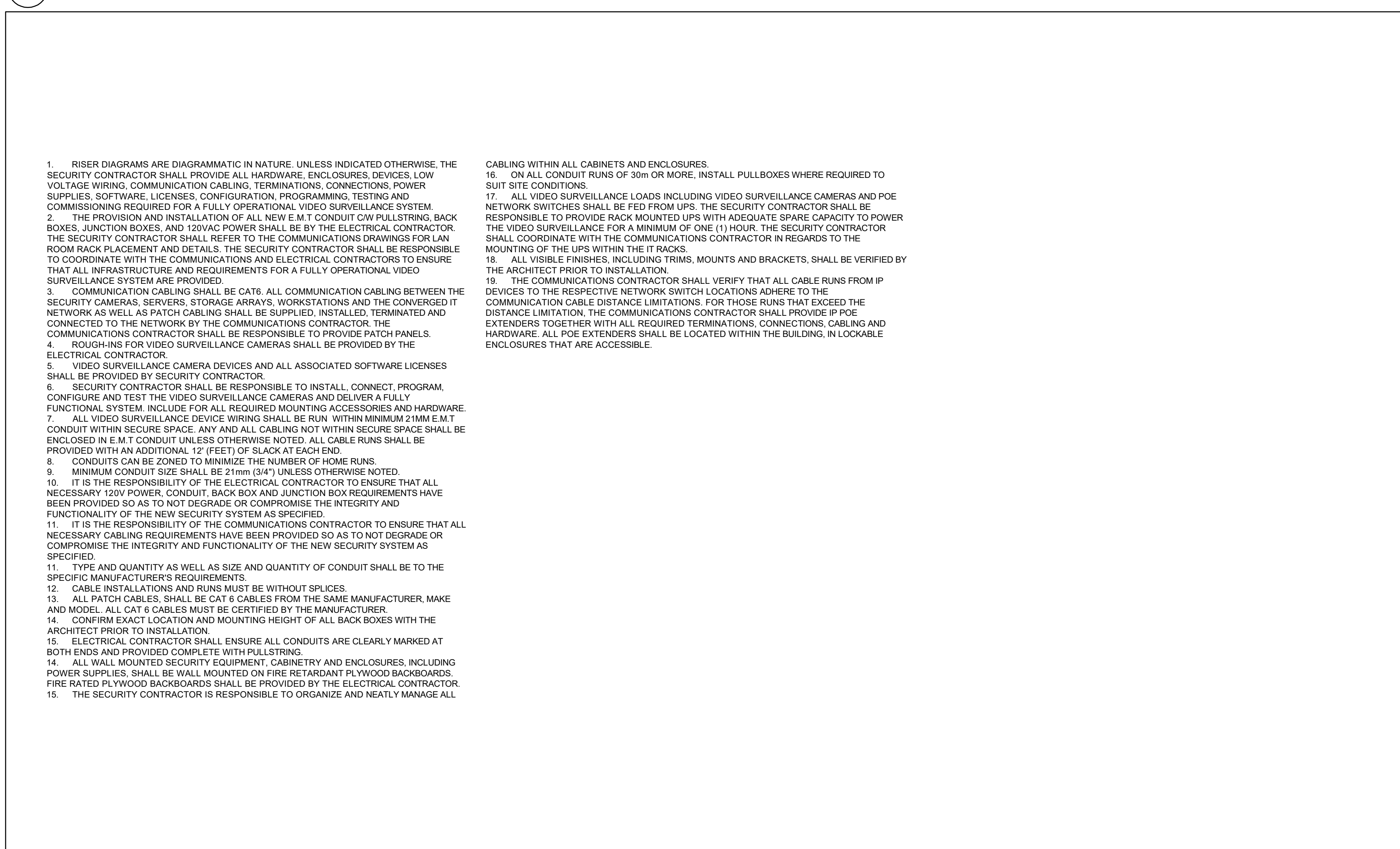


3 VIDEO SURVEILLANCE SYSTEM RISER BLOCK DIAGRAM

SCALE: 1:50

2 ACCESS CONTROL SYSTEM RISER NOTES

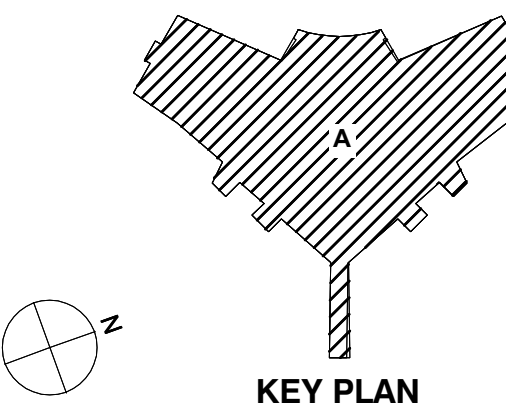
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1 VIDEO SURVEILLANCE SYSTEM RISER NOTES

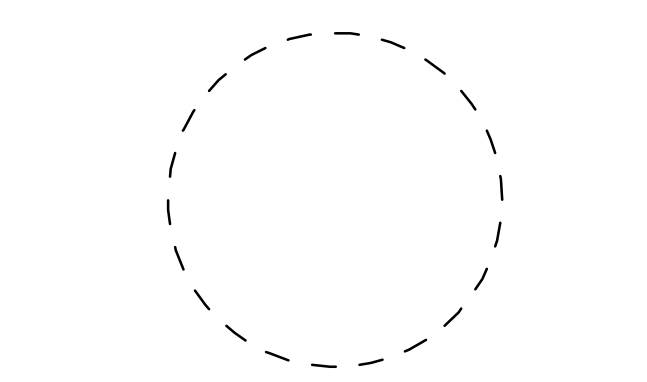
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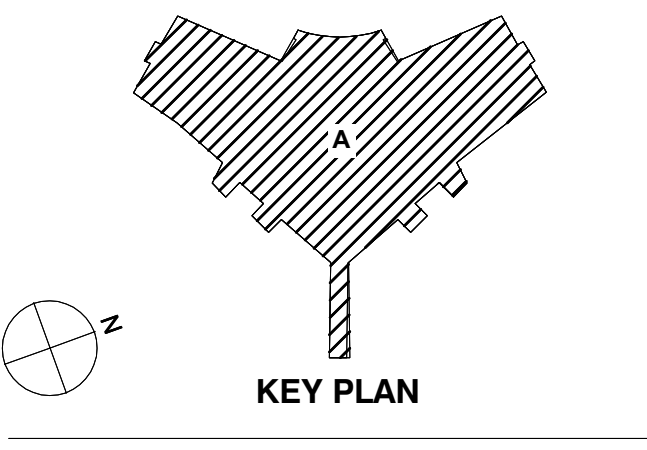
SECURITY RISER



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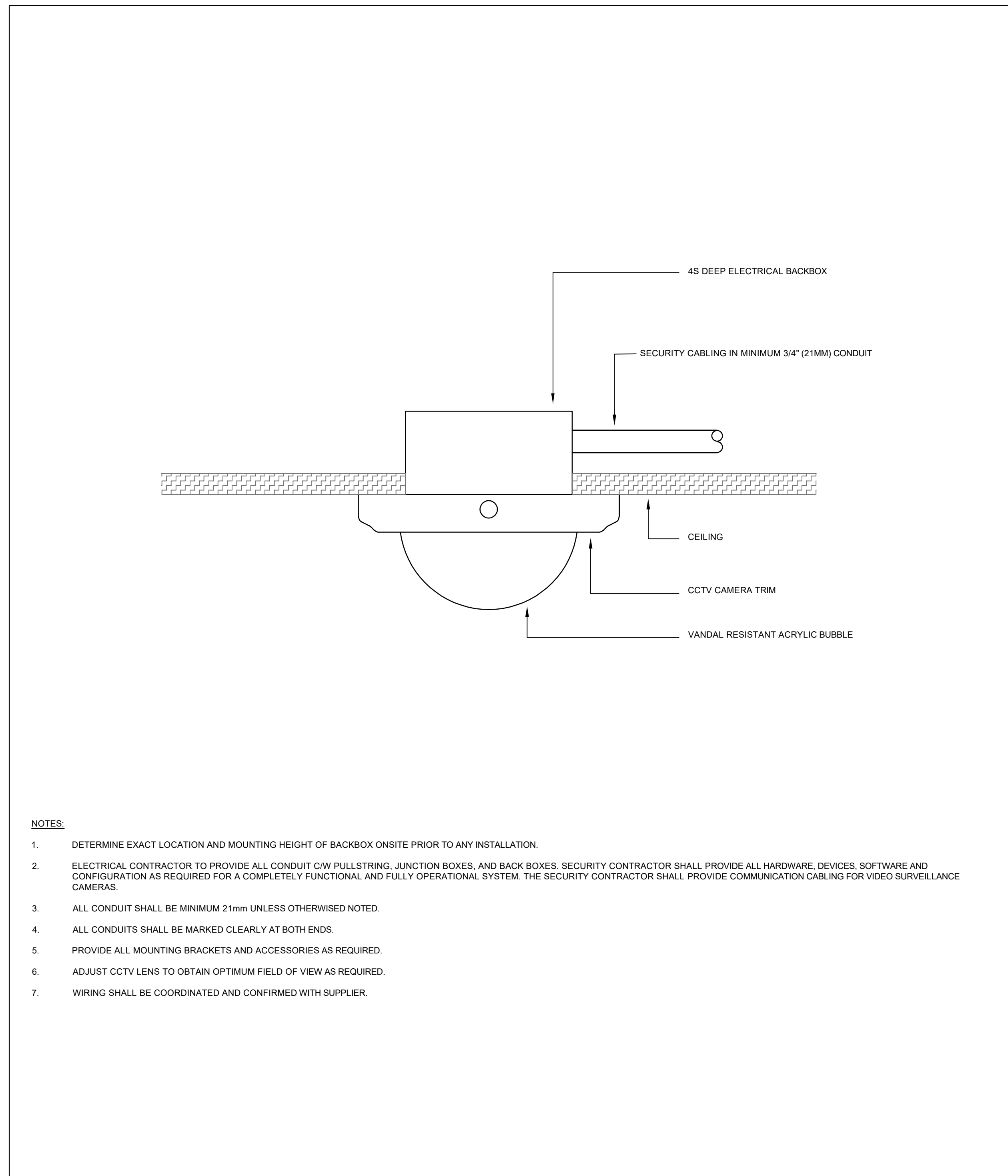
Rev.	Description	Date
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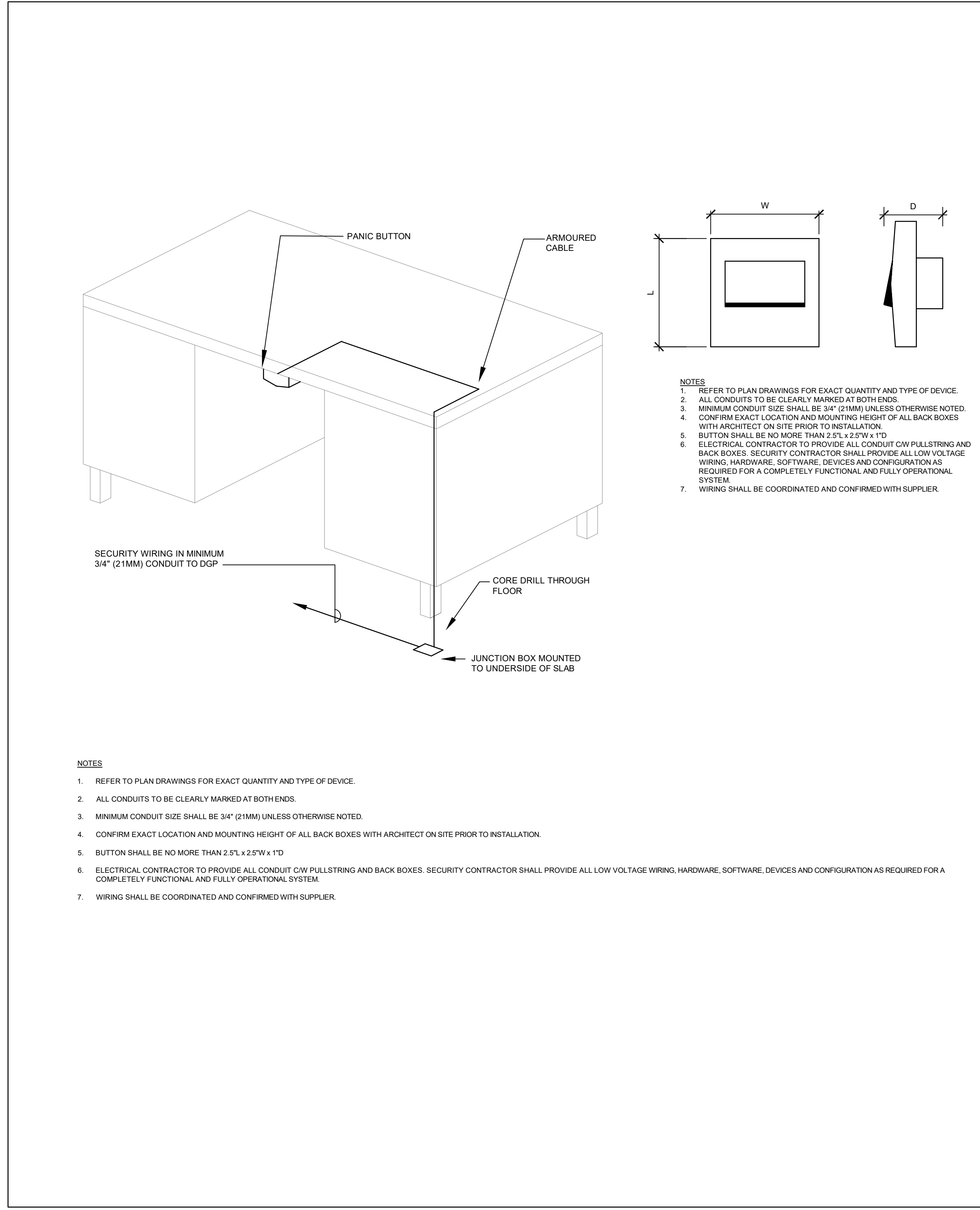
SECURITY DETAILS

Project No.: 210029 Checked by: JM

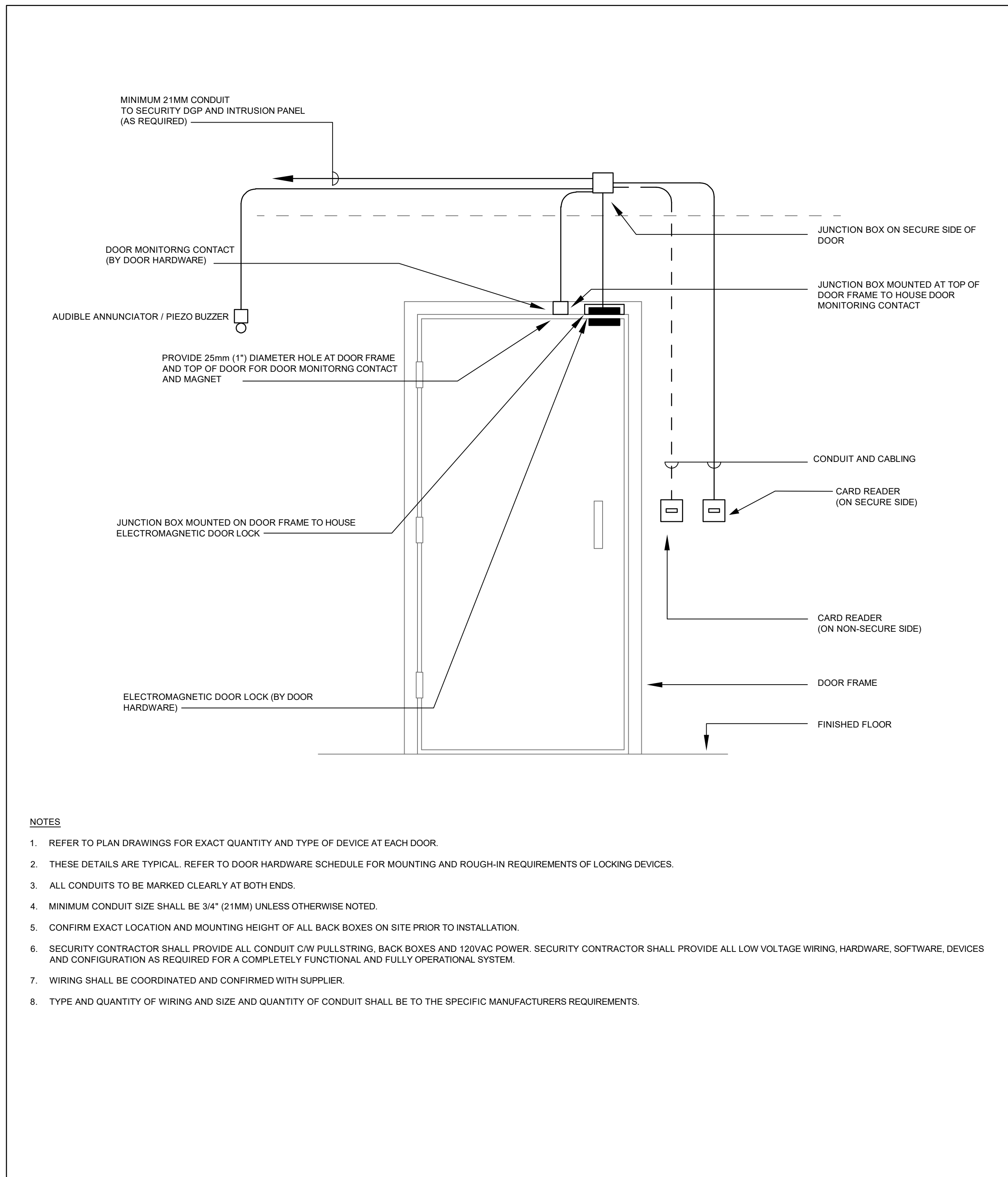
SC600



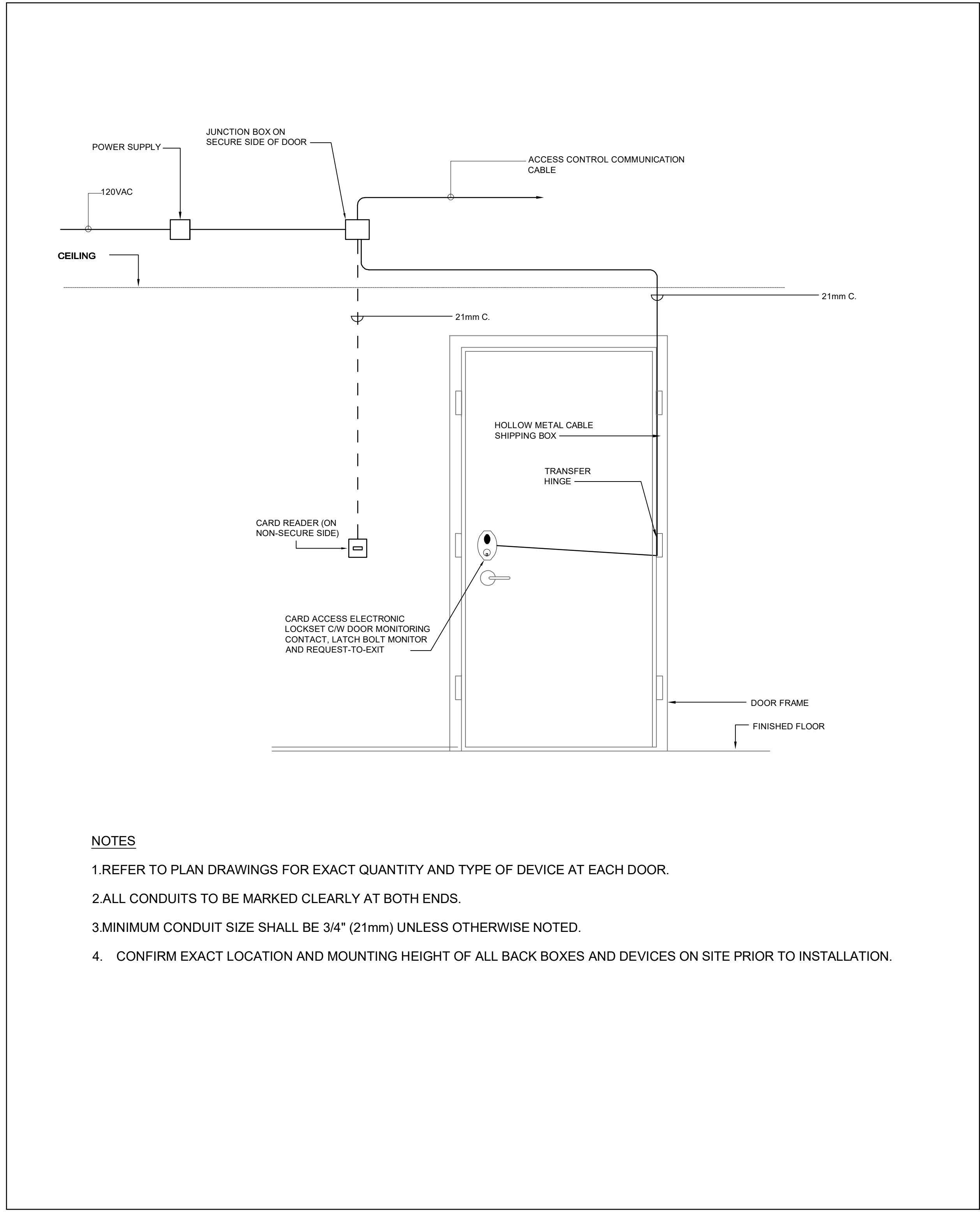
6 CEILING MOUNTED RECESSED VIDEO SURVEILLANCE CAMERA DETAIL
SCALE: NTS



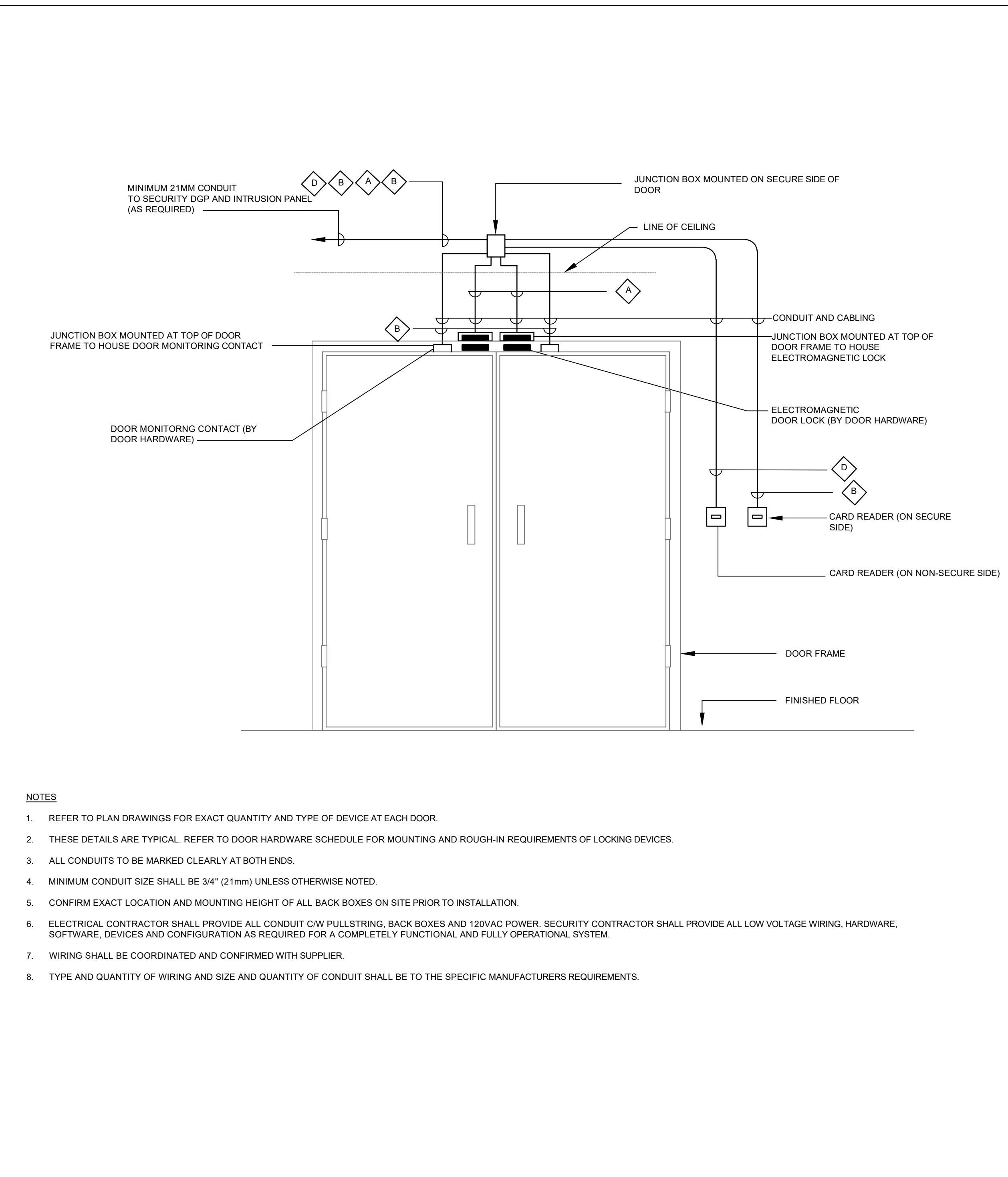
5 UNDER-DESK MOUNTED PANIC BUTTON DETAIL
SCALE: NTS



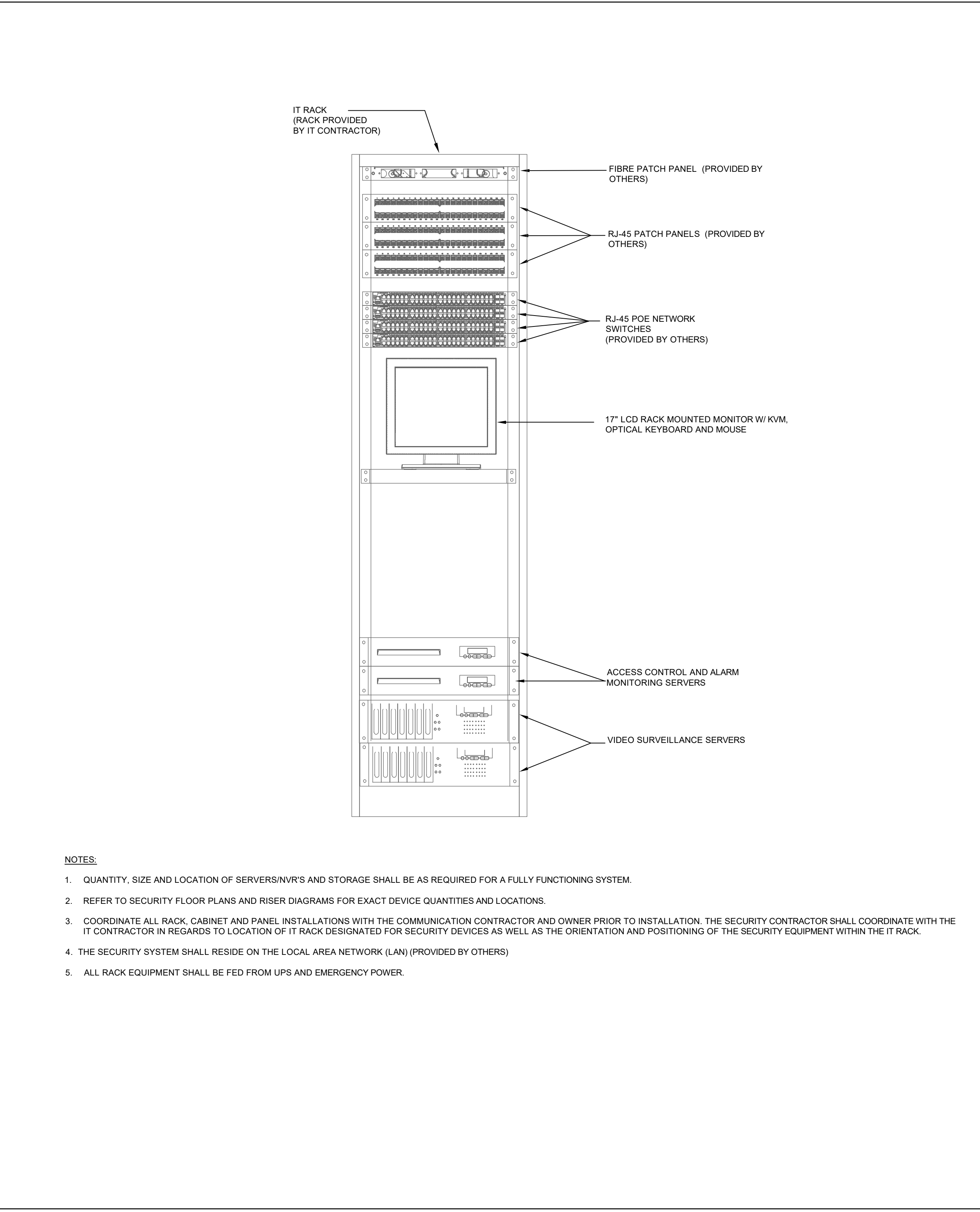
4 SD ELECTROMAGNETIC LOCK ACCESS CONTROLLED DOOR DETAIL
SCALE: NTS
WITH AUDIBLE ANNUNCIATOR / PIEZO BUZZER



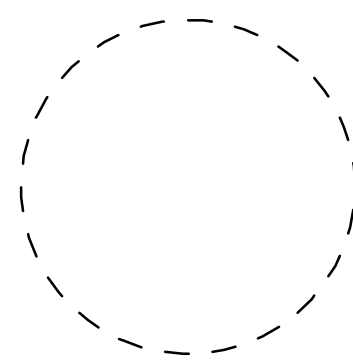
3 SD ELECTRIC LOCK ACCESS CONTROLLED DOOR DETAIL
SCALE: NTS



2 DD ELECTROMAGNETIC LOCK ACCESS CONTROLLED DOOR DETAIL
SCALE: NTS



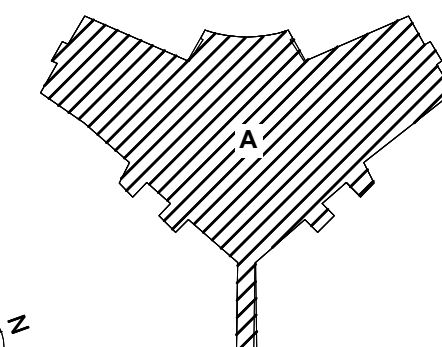
1 (TYPICAL) SECURITY HEAD-END EQUIPMENT WITHIN IT RACK
SCALE: NTS



ISSUED FOR CONSTRUCTION
27 JUNE 2024

4	ISSUED FOR CONSTRUCTION	08/27/2024
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1	LEVEL 03 RENOVATIONS - STAGE 3 SUBMISSION	06/30/2021

Rev.	Description	Date
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KEY PLAN

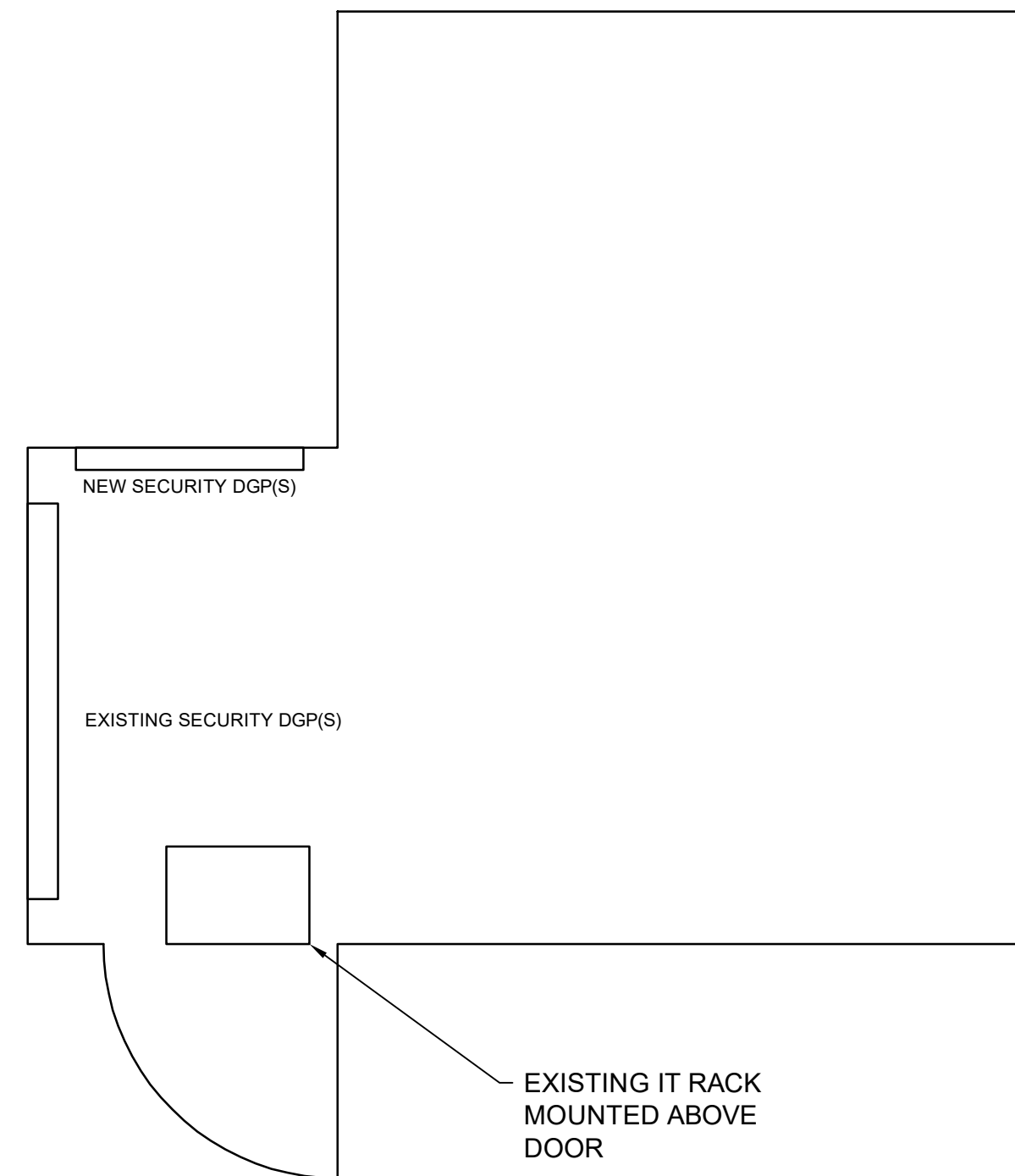
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SECURITY DETAILS

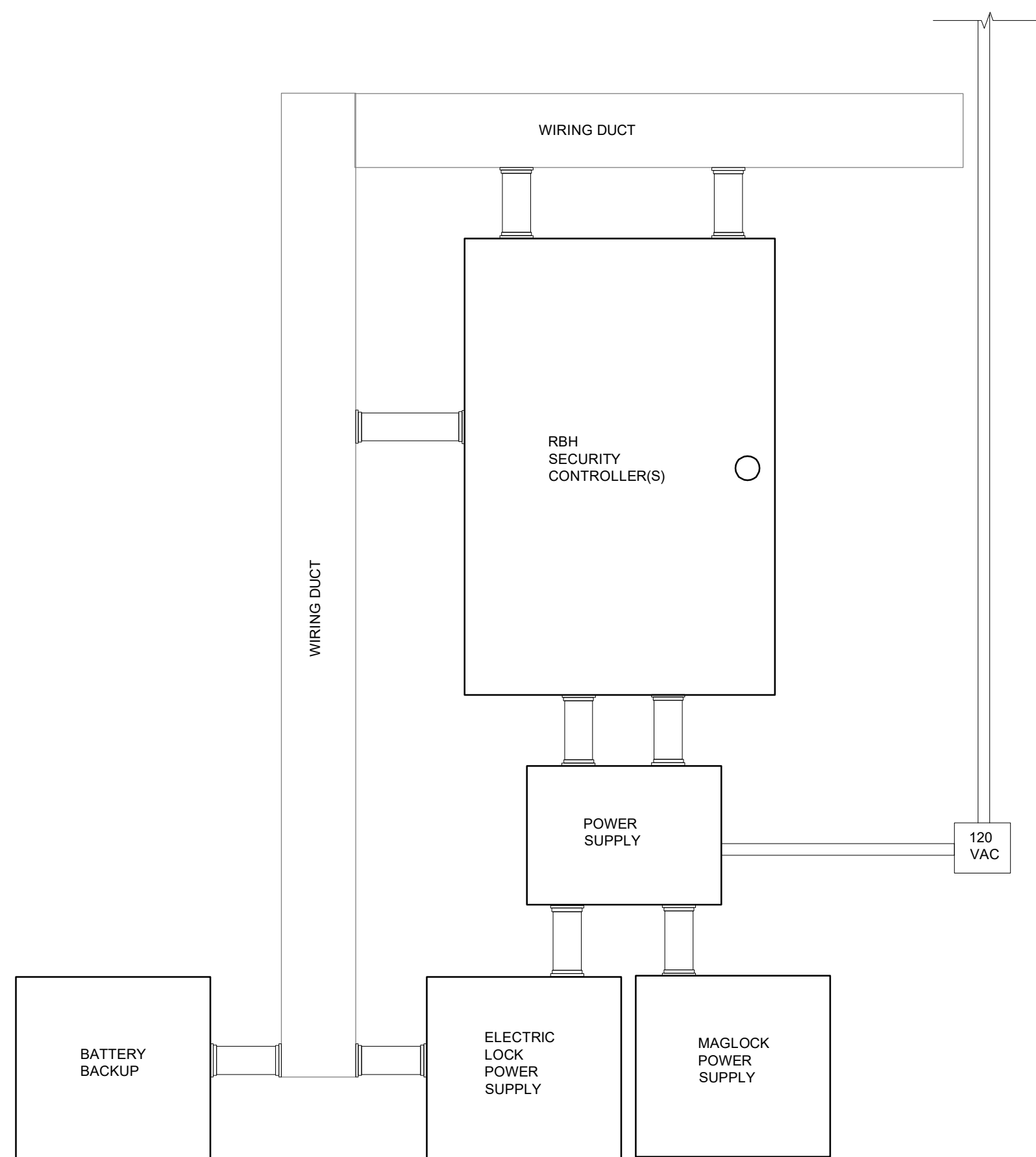
Project No.: 210029

Checked by: JM

SC601



LEVEL 6 WEST AIR VENTILATION CLOSET ROOM DETAIL
SCALE: NTS



NOTES:

- QUANTITY, SIZE AND LOCATION OF POWER SUPPLIES, CONDUIT, CONTROLLERS, ETC SHALL BE AS SPECIFIED AND REQUIRED.
- CONTRACTOR SHALL INCLUDE FOR ALL REQUIRED CONNECTIONS TO THE LAN AS NOMINATED ON THE DRAWINGS, NOTED IN THE SPECIFICATIONS AND AS REQUIRED TO PROVIDE A FULLY FUNCTIONAL SYSTEM.
- ARRANGEMENT SHOWN IS TYPICAL. CONTRACTOR SHALL PROVIDE QUANTITIES OF DEVICES AS REQUIRED AND SPECIFIED.
- COORDINATE ALL RACK, CABINET AND PANEL INSTALLATIONS WITH THE OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- ALL SECURITY PANEL AND ELECTRIC STRIKE POWER SUPPLIES SHALL BE FED FROM BUILDING UPS AND EMERGENCY POWER.

SECURITY PANEL CONFIGURATION DETAIL (TYPICAL)
SCALE: NTS

NOT USED
SCALE: NTS

NOT USED
SCALE: NTS

NOT USED
SCALE: NTS

NOT USED
SCALE: NTS