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Saved: 8/27/2024 10:12:25 AM Plotted: 8/27/2024 10:12:21 AM Current User: Mpls@pny Army LantSwe@pny 6595

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STANDARD ABBREVIATIONS:

A - AMPERES
AC - ABOVE COUNTER
ACP - ACCESS CONTROL PANEL
AFF - ABOVE FINISHED FLOOR
AWG - AMERICAN WIRE GAUGE
C - CONDUIT
CAT - CATALOG
CB - CIRCUIT BREAKER
CCTV - CLOSED CIRCUIT TELEVISION
CKT - CIRCUIT
CL - CENTER LINE
CLG - CEILING
COND - CONDUCTOR
CPP - COPPER PATCH PANEL
CTS - CAMPUS TECHNOLOGY SERVICES
CU - COPPER
DPS - DOOR POSITION SWITCH
DWG - DRAWING
EL - ELECTRIC LOCK
EM - EMERGENCY
ES - ELECTRIC STRIKE
EX - EXISTING
FA - FIRE ALARM
G - GROUND
HC - HUNG CEILING
HW - HARDWARE
HZ - HERTZ
IDF - INTERMEDIATE DISTRIBUTION FRAME
JB - JUNCTION BOX
LV - LOW VOLTAGE
MAX - MAXIMUM
MIN - MINIMUM
MTD - MOUNTED
MTG - MOUNTING
NEC - NATIONAL ELECTRIC CODE
NIC - NOT IN CONTRACT
No - NUMBER
NTS - NOT TO SCALE
NWS - POE NETWORK SWITCH
PA - PUBLIC ADDRESS
PLNK - PERMANENT LINK
PNL - PANEL
POE - POWER OVER ETHERNET
PCE - REQUEST-TO-EXIT
RM - ROOM
STP - SHIELDED TWISTED PAIR
TEL - TELECOMMUNICATIONS
TS - TAMPER SWITCH
TYP - TYPICAL
UON - UNLESS OTHERWISE NOTED
UTP - UNSHIELDED TWISTED PAIR
V - VOLTS
VA - VOLT-AMPERES
VM - VOLTMETER
W - WATTS
WP - WATERPROOF
WT - WATERTIGHT
XLP - LOCK POWER SUPPLY

SECURITY SYMBOLS:

	ACCESS CONTROL CARD READER
	ACCESS CONTROL PANEL (ENCLOSURE)
	FIRE RELAY (FOR LOCK RELEASE), PROVIDED BY FIRE ALARM INSTALLER AND SHALL CONNECTED TO DOORS, AS REQUIRED, IF REQUIRED BY CODE FOR EGRESS.
	MAGNETIC CONTACT/DOOR POSITION SWITCH
	REQUEST-TO-EXIT SENSOR
	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REQUEST-TO-EXIT FUNCTIONALITY SUBSCRIPT RE - INDICATES RIM EXIT DEVICE WITH BUILT IN REQUEST-TO-EXIT FUNCTIONALITY SUBSCRIPT P - INDICATES POE LOCKSET WITH ACCESS CONTROL CARD READER, DOOR POSITION SWITCH, AND REQUEST-TO-EXIT FUNCTIONALITY INCLUDED
	LOCK POWER SUPPLY, FOR ELECTRIC LOCKSETS THAT ARE NOT POE POWERED
	POE NETWORK SWITCH (EXISTING OR OWNER PROVIDED AS NEEDED)
	2 PERMANENT-LINK RJ45 CAT 6A ETHERNET PORTS IN A GANG BOX. EACH PORT IS ITS OWN SEPARATE CAT 6A CABLE RUN BACK TO RESPECTIVE IT CLOSET
	4 PERMANENT-LINK RJ45 CAT 6A ETHERNET PORTS IN A GANG BOX. EACH PORT IS ITS OWN SEPARATE CAT 6A CABLE RUN BACK TO RESPECTIVE IT CLOSET.
	HATCHED BOX ON PLANS INDICATES GROUPING OF DOORS TO THEIR ASSOCIATED ENCLOSURE
	RISER POWER (EMERGENCY CIRCUIT) CONTRACTOR SHALL PROVIDE A HARD WIRED CONNECTION TO A 120VAC 20A EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4" X 4" BOX SURFACE MOUNTED 18" A.F.F. WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS. CONTRACTOR TO PROVIDE CONNECTION TO CLOSET AVAILABLE PANEL BOARD.
	PROVIDE 4" X 4" X 2-1/4" DEEP BOX SURFACE MOUNTED ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
	COPPER PATCH PANEL
	MERCURY MR62E READER INTERFACE MODULE AS MANUFACTURED BY HID GLOBAL
	MERCURY LP4502 INTELLIGENT CONTROLLER AS MANUFACTURED BY HID GLOBAL

GENERAL SYMBOLS:

	CABLE SCHEDULE CALLOUT
	NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER: REFER TO THE CODED NOTE WITH THE MATCHING NUMBER
	DOOR TAG # INDICATES DOOR NUMBER

RACEWAYS:

	CONDUIT WITH WIRING AS INDICATED/PROPOSED EQUIPMENT
	RISER DIAGRAM EQUIPMENT LOCATIONS
	EQUIPMENT SHALL REMAIN
	CONDUIT TURNING UP OR DOWN AS INDICATED

GENERAL NOTES:

- DRAWINGS ARE NOT TO BE USED FOR ARCHITECTURAL OR ENGINEERING PURPOSES. THE SECURITY DRAWINGS SHOULD ONLY BE USED FOR SECURITY SYSTEMS INSTALLATION AND COORDINATION.
- ALL MOUNTING SPECIFICS SHALL BE AS INDICATED IN THE LEGEND UNLESS OTHERWISE NOTED IN THE SECURITY DRAWINGS. MOUNTING CONDITIONS IDENTIFIED ON THE SECURITY DRAWINGS SHALL TAKE PRECEDENCE OVER THE LEGEND DESCRIPTIONS.
- VERIFY AND COORDINATE THE EXACT MOUNTING LOCATION OF ALL DEVICES WITH OWNER FOR APPROVAL PRIOR TO PERMANENT SURFACE DISTURBANCE REQUIRED FOR INSTALLATION.
- THE MOUNTING HEIGHTS ARE TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL RESTORE CEILINGS AND WALLS AND ANY OTHER SURFACES AFFECTED BY THEIR WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION UPON COMPLETION OF THEIR WORK.
- FIRE STOPPING OF ALL PENETRATIONS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY CODE.
- ALL DEVICES, WIRING, TERMINATIONS, AND OTHER REQUIRED ROUGH-IN NOT DESIGNATED "BY OTHERS" SHALL PROVIDED BY THE CONTRACTOR.

SECURITY CONDUIT AND WIRING NOTES:

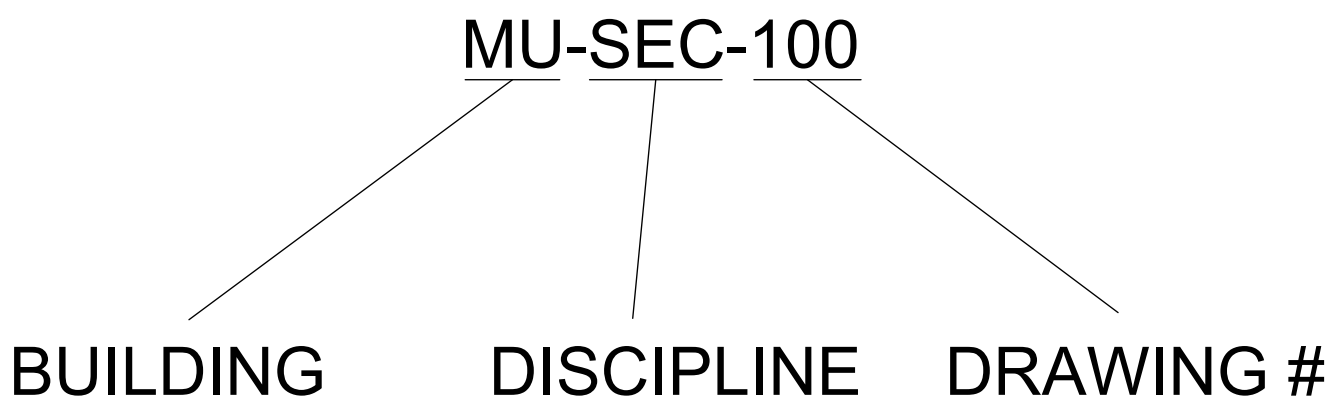
- ALL CONDUIT AND BACKBOXES SHALL CONFORM TO BUILDING STANDARD ELECTRICAL SPECIFICATIONS. ALL CABLES SHALL BE PLENUM RATED WHERE REQUIRED. REFER TO CLIENT'S REQUIRED CABLING SPECIFICATIONS.
- ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. REFER TO CAT 6 CONDUIT SCHEDULE, BELOW, FOR ADDITIONAL INFORMATION.
- ALL CONDUIT USED IN POTENTIALLY DAMP OR WET LOCATIONS, EXPOSED OUTDOORS, OR IN HAZARDOUS AREAS SHALL BE INTERMEDIATE STEEL CONDUIT (IMC). ALL EXTERIOR CONDUIT IN SLAB SHALL BE PVC. ALL CONDUIT OTHER THAN SPECIFIED SHALL BE IMC OR PVC SHALL BE ELECTRICAL METALLIC TUBING (EMT).
- ALL CONDUIT SHALL BE ROUTED ABOVE CEILINGS, BELOW FLOORS, OR WITHIN WALLS. NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED.
- PROVIDE PULL STRINGS IN ALL CONDUIT AND PULLBOXES AS REQUIRED. ALL CONDUITS SHALL HAVE PLASTIC BUSHINGS INSTALLED AT OPEN ENDS PRIOR TO PULLING WIRE.
- ALL BACKBOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
- ALL BACKBOXES MOUNTED WITHIN FIRE RATED PARTITIONS SHALL MEET THE FIRE RATING OF THE PARTITION AS REQUIRED BY CODE.
- COORDINATE THE EXACT LOCATION OF ALL PULL AND BACKBOXES.
- ALL JUNCTION AND PULLBOXES SHALL BE PROVIDED WITH ACCOMPANYING BLANK COVER PLATE.
- JUNCTION BOXES LOCATED ABOVE DOORS WITH NO ACCESSIBLE CEILING SHALL BE SECURED WITH TAMPER PROOF SCREWS.
- PROVIDE WATERTIGHT SEALING ASSEMBLIES WITH PRESSURE BUSHING AS REQUIRED FOR EXTERIOR PENETRATIONS.
- JUNCTION AND PULLBOXES IN EXTERIOR LOCATIONS SHALL BE WATERPROOF.
- ALL CABLE RUNS IN CEILING AREAS WHERE CONDUIT OR CABLE TRAY IS NOT SPECIFIED SHALL BE SUPPORTED WITH SIMILAR SUPPORT OR WITH THE USE OF J-HOOKS AT 5' INTERVALS ABOVE CEILING TILES.
- WIRE SHEATH SHALL BE MAINTAINED TO FINAL TERMINATION. ALL TERMINATIONS SHALL MAINTAIN TWIST OF INDIVIDUAL PAIRS TO WITHIN 0.5" OR LESS OF FINAL TERMINATION. ALL LABELS SHALL BE MACHINE PRINTED OR STENCILED. NO HAND LETTERED LABELS SHALL BE USED.
- ANY CONDUIT ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO REPRESENT INSTALLED PATHS OR DISTANCES. ACTUAL ROUTING AND BOX LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED.
- INSTALL CAT 6 IN CONTINUOUS LENGTH FROM TERMINATION POINT TO TERMINATION POINT AND LABELED AT EACH END POINT PER ANSI/TIA/EIA-606-A UON.
- TEST AND CERTIFY ALL WIRES ARE FREE OF SHORTS, OPENS OR GROUNDS.
- PROVIDE PULL BOX SIZED PER NEC EVERY 150' OR 180' IN CONDUIT BENDS FOR COMMUNICATION CONDUITS.
- TEST UTP BACKBONE COPPER CABLING FOR DC LOOP RESISTANCE, SHORTS, OPENS, INTERMITTENT FAULTS AND POLARITY BETWEEN CONDUCTORS. TEST OPERATION OF SHORTING BARS IN CONNECTION BLOCKS. TEST CABLES AFTER TERMINATION BUT NOT CROSS-CONNECTION. TEST INSTRUMENTS SHALL MEET OR EXCEED APPLICABLE REQUIREMENTS IN TIA/EIA-568-B.2. PERFORM TESTS WITH A TESTER THAT COMPLIES WITH PERFORMANCE REQUIREMENTS IN TEST INSTRUMENTS (NORMATIVE) ANNEX, COMPLYING WITH MEASUREMENT ACCURACY SPECIFIED IN "MEASUREMENT ACCURACY (INFORMATIVE) ANNEX. USE ONLY TEST CORDS AND ADAPTERS THAT ARE QUALIFIED BY TEST EQUIPMENT MANUFACTURER FOR CHANNEL OF LINK TEST CONFIGURATION.
- UTP PERFORMANCE TESTS:
A. TEST FOR EACH OUTLET AND MUTOA. PERFORM THE FOLLOWING TESTS ACCORDING TO TIA/EIA-568-B.1 AND TIA/EIA-568-B.2:
1) WIRE MAP.
2) LENGTH (PHYSICAL VS. ELECTRICAL) AND LENGTH REQUIREMENTS.
3) INSERTION LOSS.
4) NEAR-END CROSSTALK (NEXT) LOSS.
5) POWER SUM NEAR-END CROSSTALK (PSNEXT) LOSS.
6) EQUAL-LEVEL FAR-END CROSSTALK (ELFEXT).
7) POWER SUM EQUAL-LEVEL FAR-END CROSSTALK (PSLFEXT).
8) RETURN LOSS.
9) PROPAGATION DELAY.
10) DELAY SKEW.

CAT 6 CONDUIT SCHEDULE	
(1)-(3) CAT 6	3/4"
(4)-(5) CAT 6	1"
(6)-(9) CAT 6	1-1/4"
(10)-(12) CAT 6	1-1/2"
(13)-(20) CAT 6	2"
(21)-(28) CAT 6	2-1/2"
(29)-(44) CAT 6	3"
(45)-(58) CAT 6	3-1/2"
(59)-(75) CAT 6	4"
GENERAL NOTE: 1. CONDUITS ARE SIZED ASSUMING CAT 6 CABLING WITH A NOMINAL OUTSIDE DIAMETER OF 0.295" WILL BE UTILIZED. 2. UTILIZE THE ABOVE CONDUIT SIZES UON. 3. CONDUIT SHALL BE RESIZED USING A 40% FILL RATIO FOR CABLE APPROVED LARGER THAN THE LISTED OUTSIDE DIAMETER.	

SECURITY DEVICE NOTES:

- ALL DEVICES, WIRING, TERMINATION AND OTHER REQUIRED ROUGH-IN NOT DESIGNATED "AS BY OTHERS", SHALL BE PROVIDED BY THE CONTRACTOR.
- ALL SECURITY DEVICES SHALL BE PROVIDED BY THE CONTRACTOR.
- PROVIDE 4" X 4" X 2-1/4" DEEP BOX WITH SINGLE GANG DEVICE RING JB FLUSH MOUNTED 48" A.F.F WITH 3/4" CONDUIT STUB UP TO J1.

SHEET NUMBERING DEFINITIONS:



IT IS HEREBY CERTIFIED THAT THE ABOVE DRAWING WAS PREPARED BY THE PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE SAME, AND THAT THE SAME IS A TRUE AND CORRECT COPY OF THE ORIGINAL AS SUBMITTED TO THE PURCHASE COLLEGE ARCHITECTURAL DEPARTMENT FOR REVIEW AND APPROVAL. THE PURCHASE COLLEGE ARCHITECTURAL DEPARTMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

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735 ANDERSON HILL RD. PURCHASE, NY 10577

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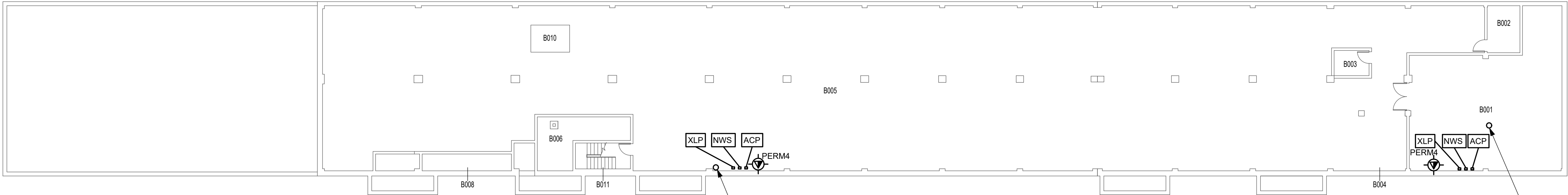
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TH	AM	TH
Issue Date:	Project No:	Scale:
	056050	AS NOTED

Drawing No.:

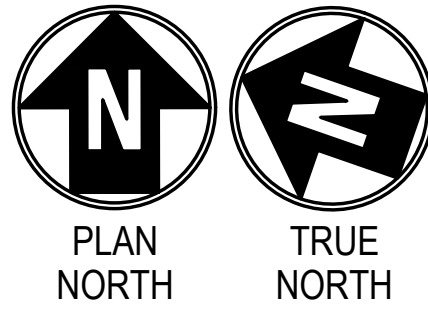
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GENERAL NOTE:
CONTRACTOR SHALL IDENTIFY ANY COMPONENTS WITHIN THE
WALLS, FLOORS, AND/OR CEILINGS THAT MIGHT BE AN IMPEDIMENT
TO INSTALLATION OF NEW DOORS, HARDWARE, OR COMPONENTS.



MUSIC SUB-BASEMENT SECURITY PLAN
SCALE: 1/16" = 1'-0"



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	RECD	05/01/2024			

MUSIC
SUB-BASEMENT
SECURITY PLAN

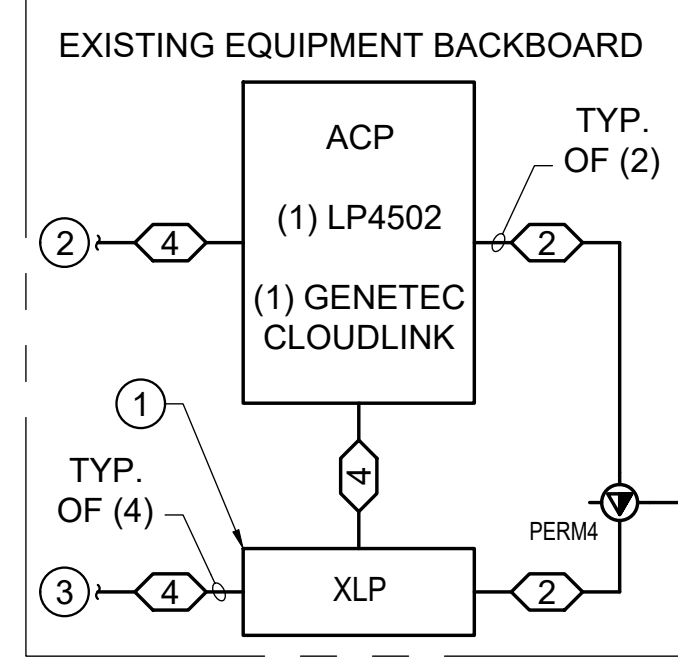
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Agency: LedaSawdy - 2685

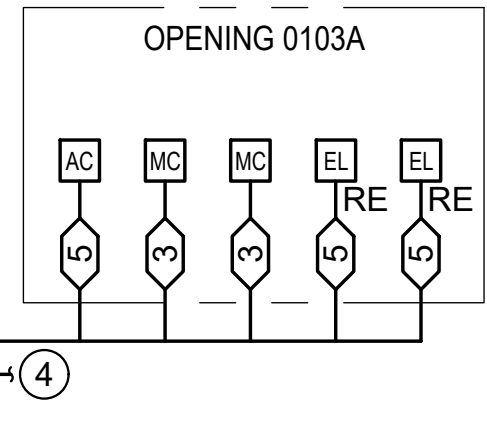
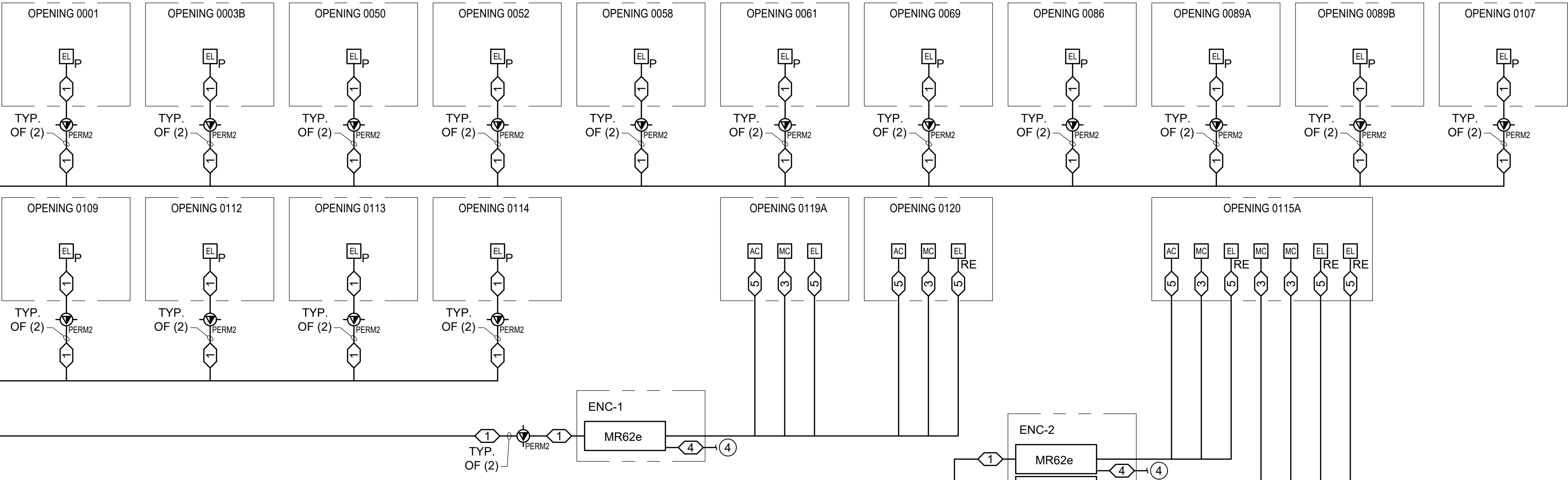
ROOM B005

EXISTING EQUIPMENT RACK



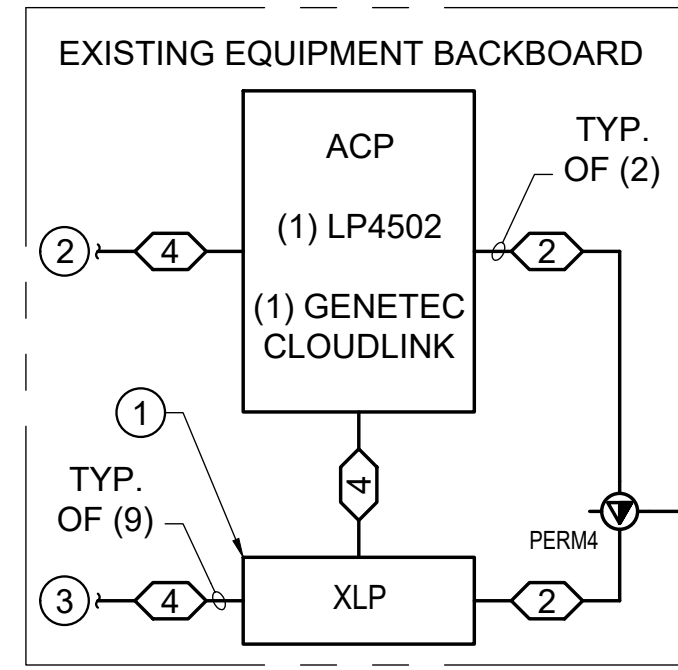
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CPP-01 (48-PORT)



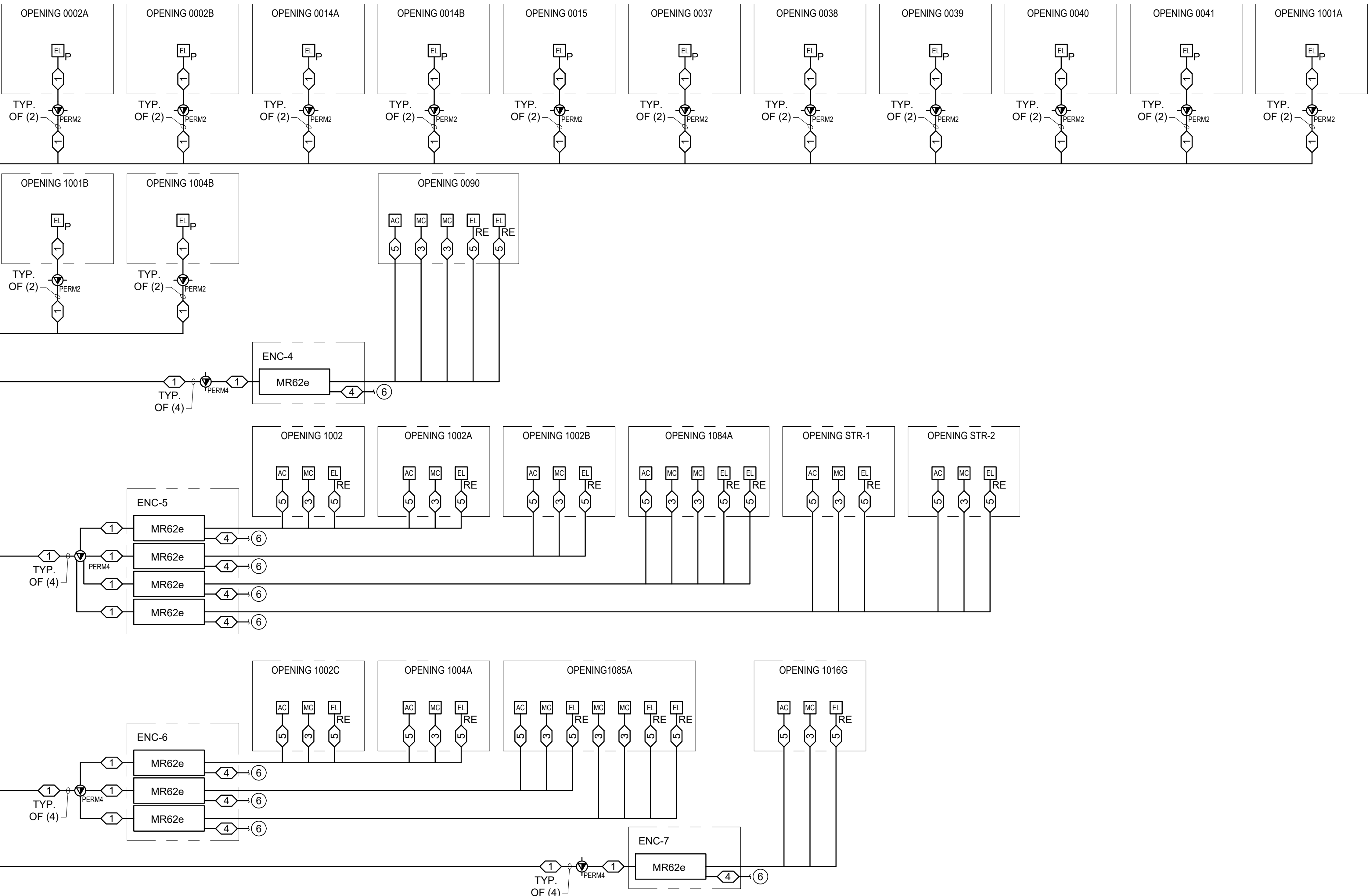
ROOM B001

EXISTING EQUIPMENT RACK



NWS-01 (48-PORT)

CPP-01 (48-PORT)



GENERAL NOTES

1. REFER TO SECURITY PLANS, DETAILS, AND ACCESS CONTROL SYSTEM SCHEDULE FOR ADDITIONAL INFORMATION.

CODED NOTES

1. DEVICE SHALL BE POWERED FROM 110V 20A DEDICATED POWER CIRCUIT.
2. CONNECTION TO FIRE ALARM CONTROL PANEL.
3. TO MR62E BOARD LOCATED IN FIELD.
4. TO XLP LOCATED IN ROOM B005.
5. DEVICE POWERED FROM UNINTERRUPTIBLE POWER SUPPLY IN SHARED ROOM. UNINTERRUPTIBLE POWER SUPPLY AND NECESSARY POWER CIRCUIT EXIST OR ARE OWNER PROVIDED AS NEEDED.
6. TO XLP LOCATED IN ROOM B001.



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MUSIC ACCESS
CONTROL SYSTEM
RISER DIAGRAM

Designed By: TH
Issue Date: 056050
Drawn By: AM
Project No: 056050
Checked By: TH
Scale: AS NOTED

Drawing No:

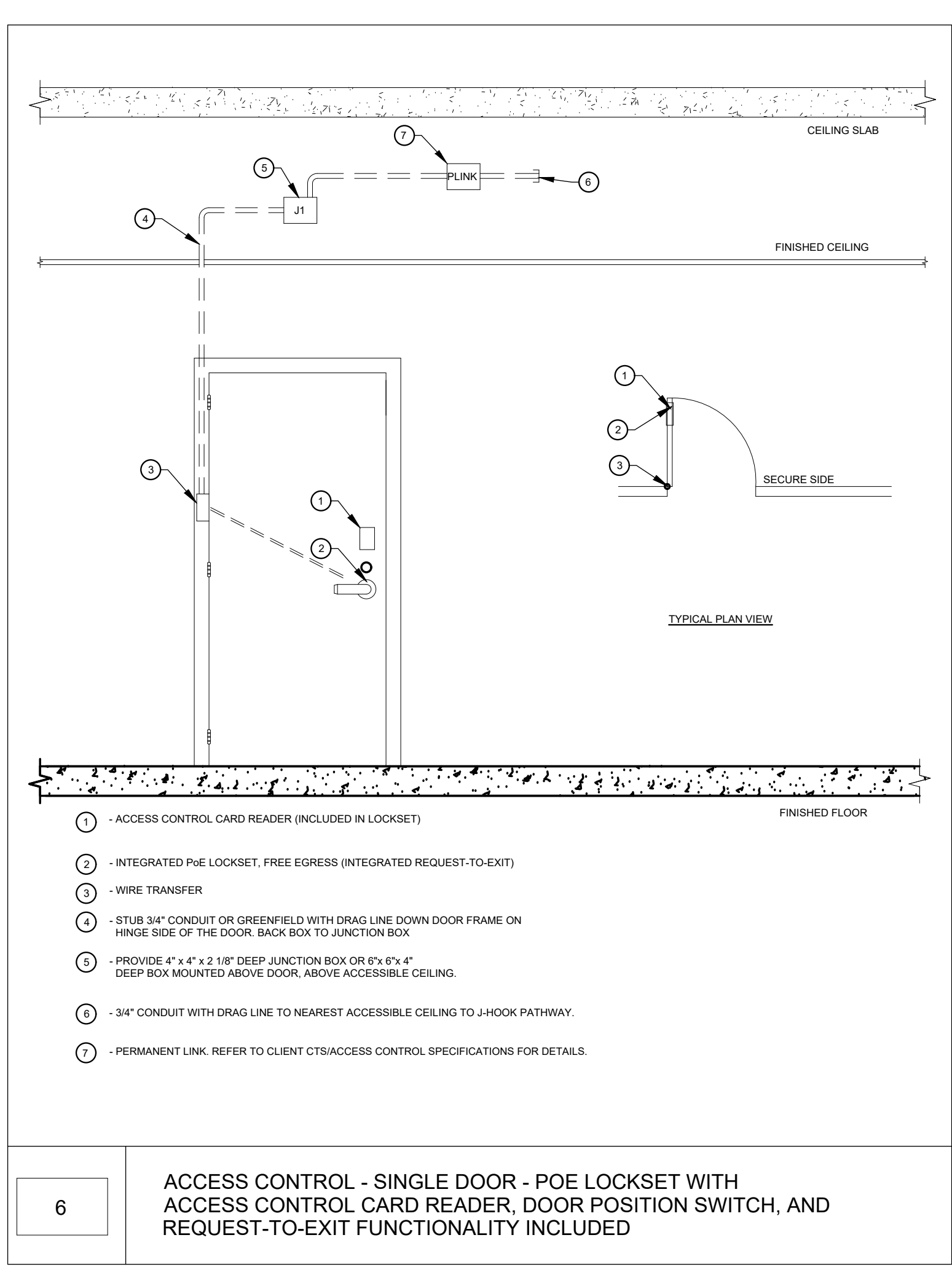
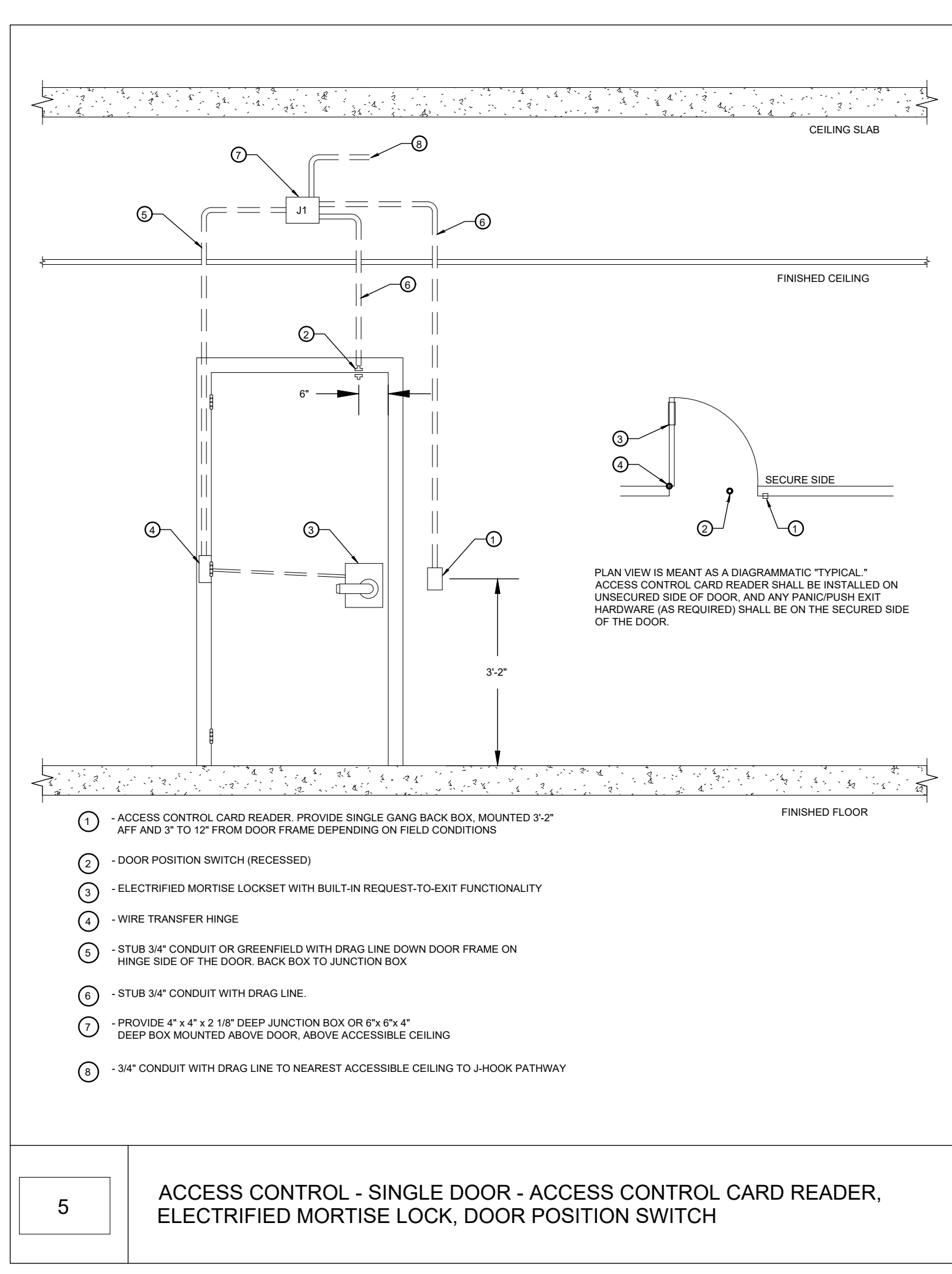
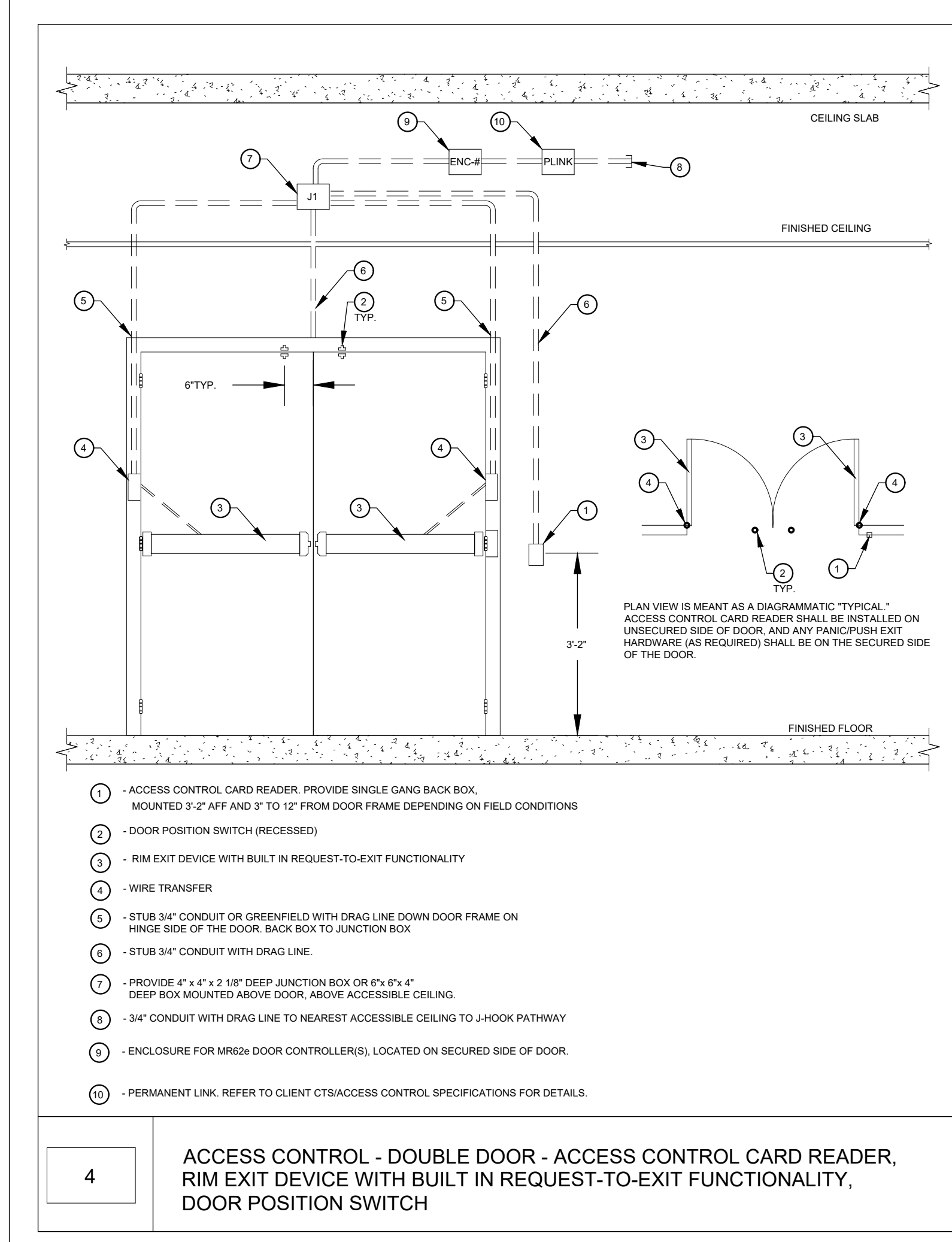
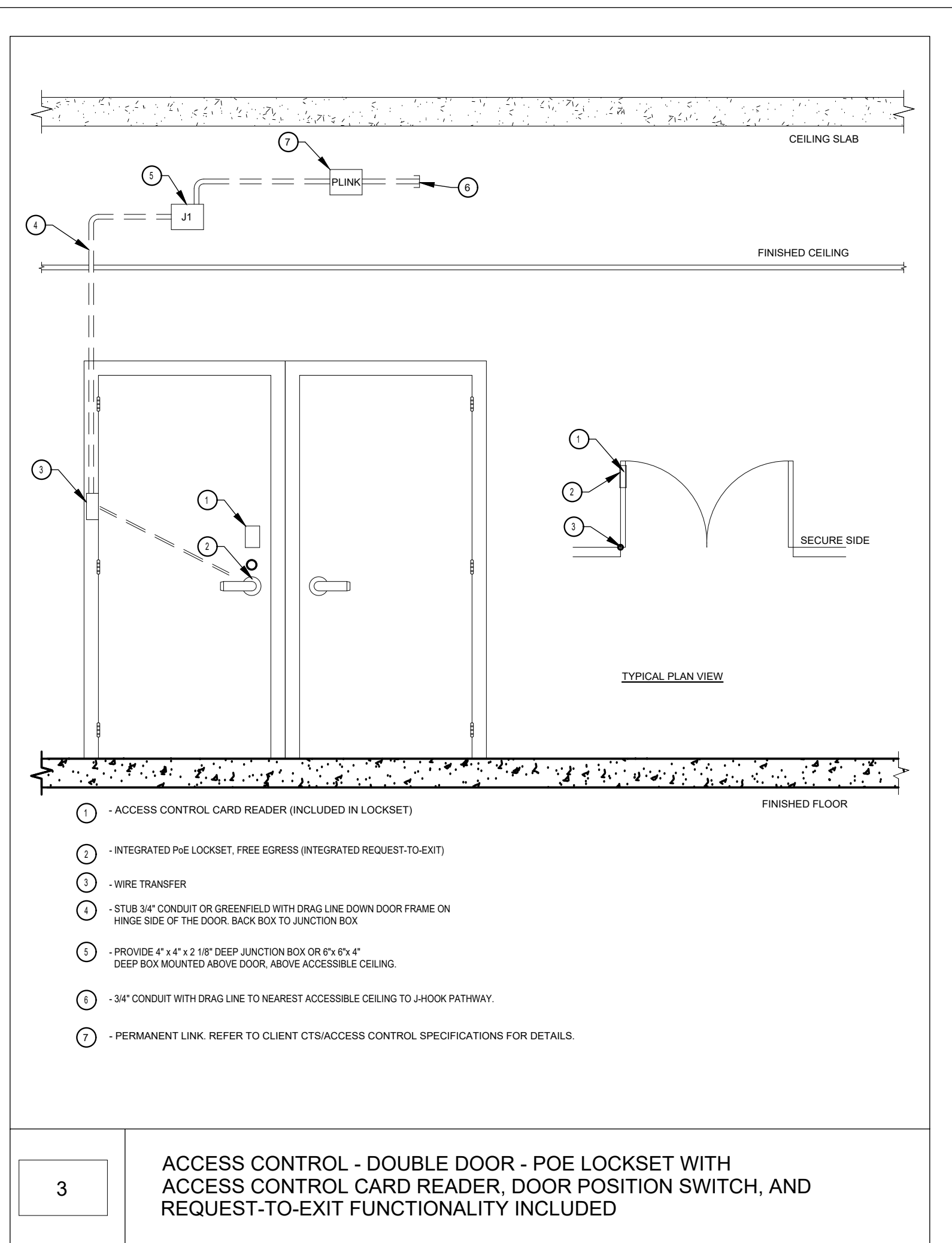
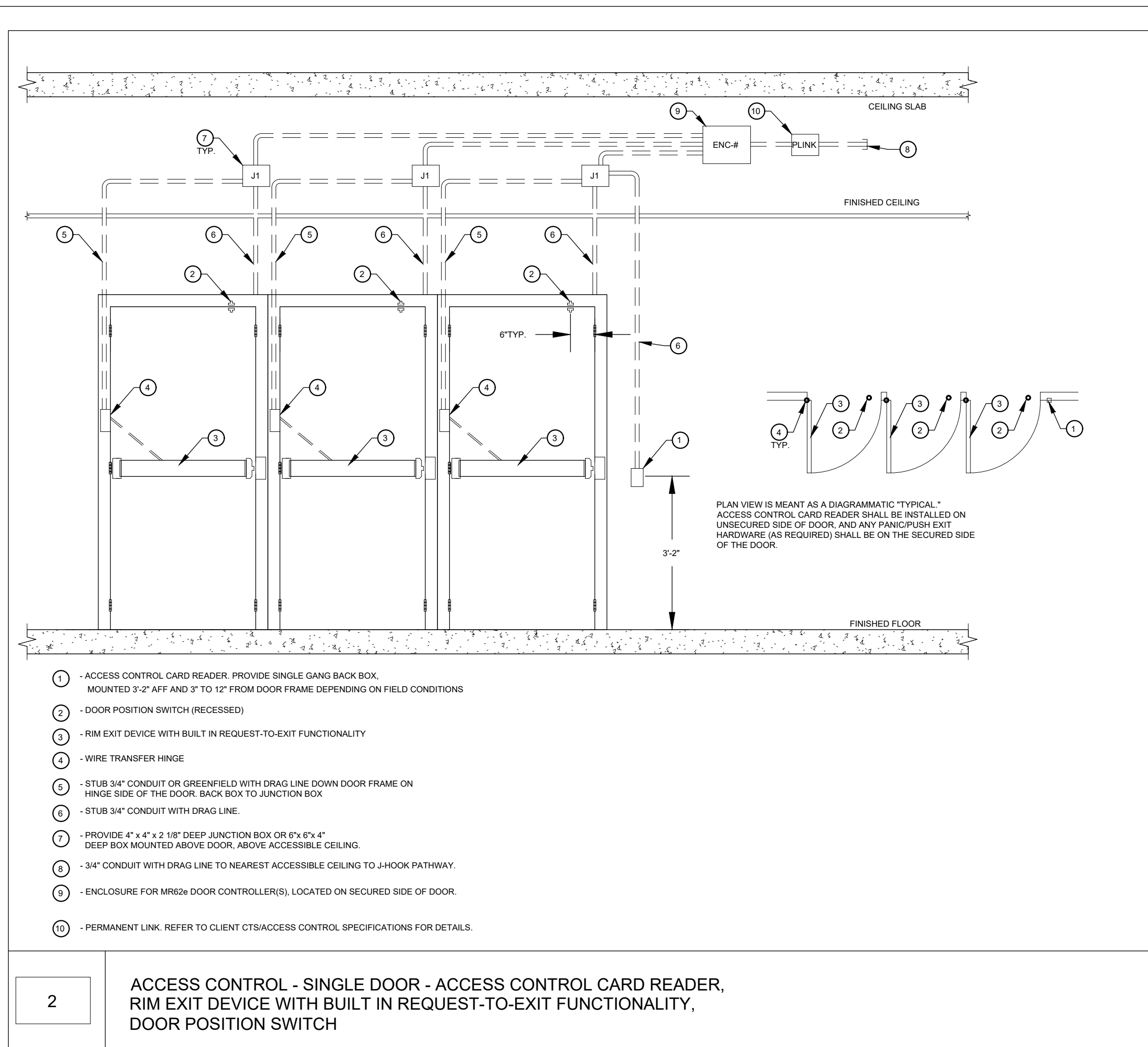
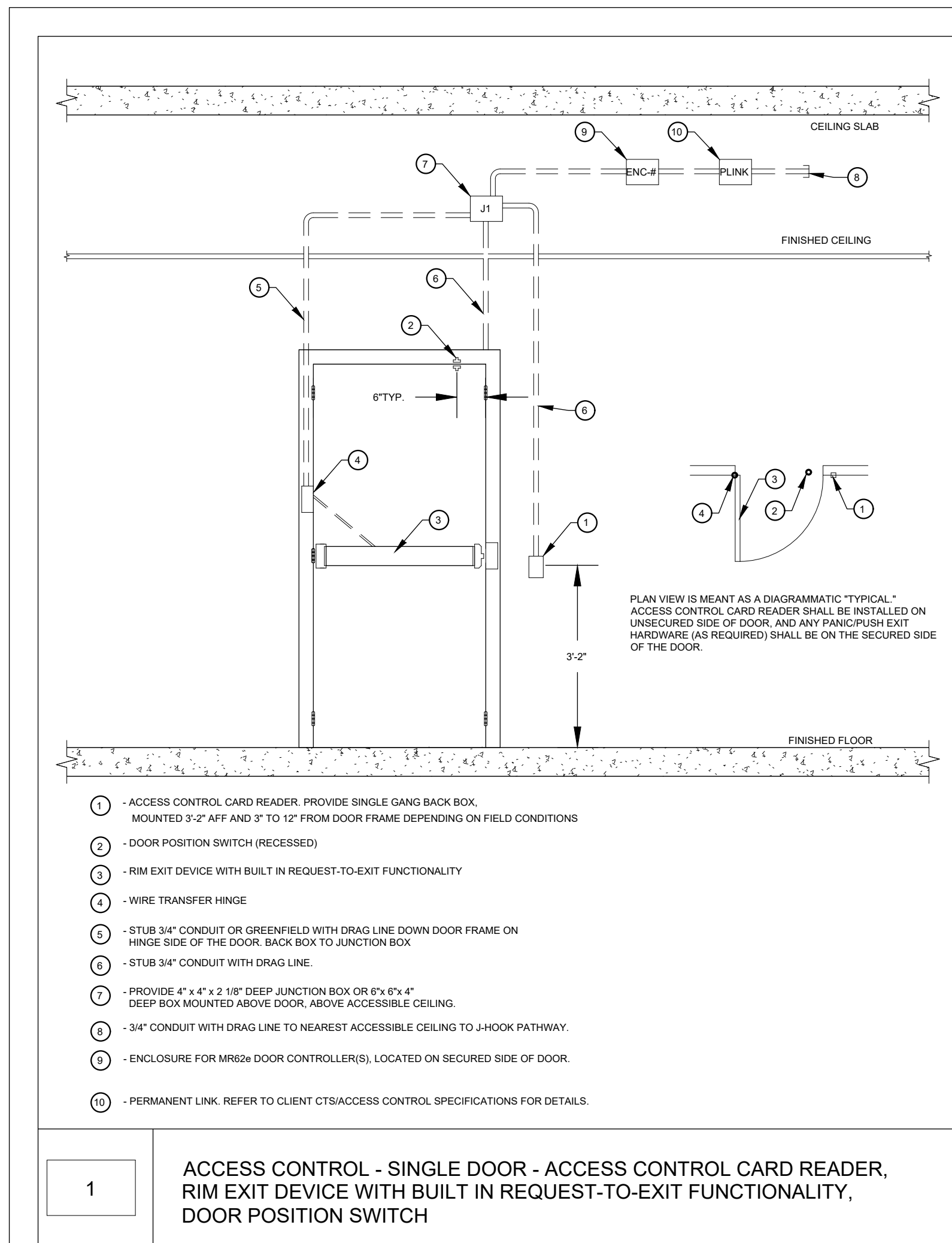
MU-SEC-300

MUSIC ACCESS CONTROL SYSTEM RISER DIAGRAM
NOT TO SCALE

ACCESS CONTROL SYSTEM CABLE SCHEDULE	
1	CAT 6 CABLE
2	CAT 6 PATCH CABLE
3	(4)#18 AWG
4	(2)#18 AWG
5	(6)#18 AWG

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GENERAL NOTE:
IN FRAMES AND WALLS THAT ARE INACCESSIBLE FOR CONCEALED WIRING, PROVIDE SURFACE MOUNT RACEWAY.



GENERAL NOTES

1. ALL DOORS MUST BE VERIFIED WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
2. VERIFY SIDE OF DOOR DEVICES TO BE LOCATED ON WITH OWNER TO ENSURE CORRECT DOOR OPERATION.



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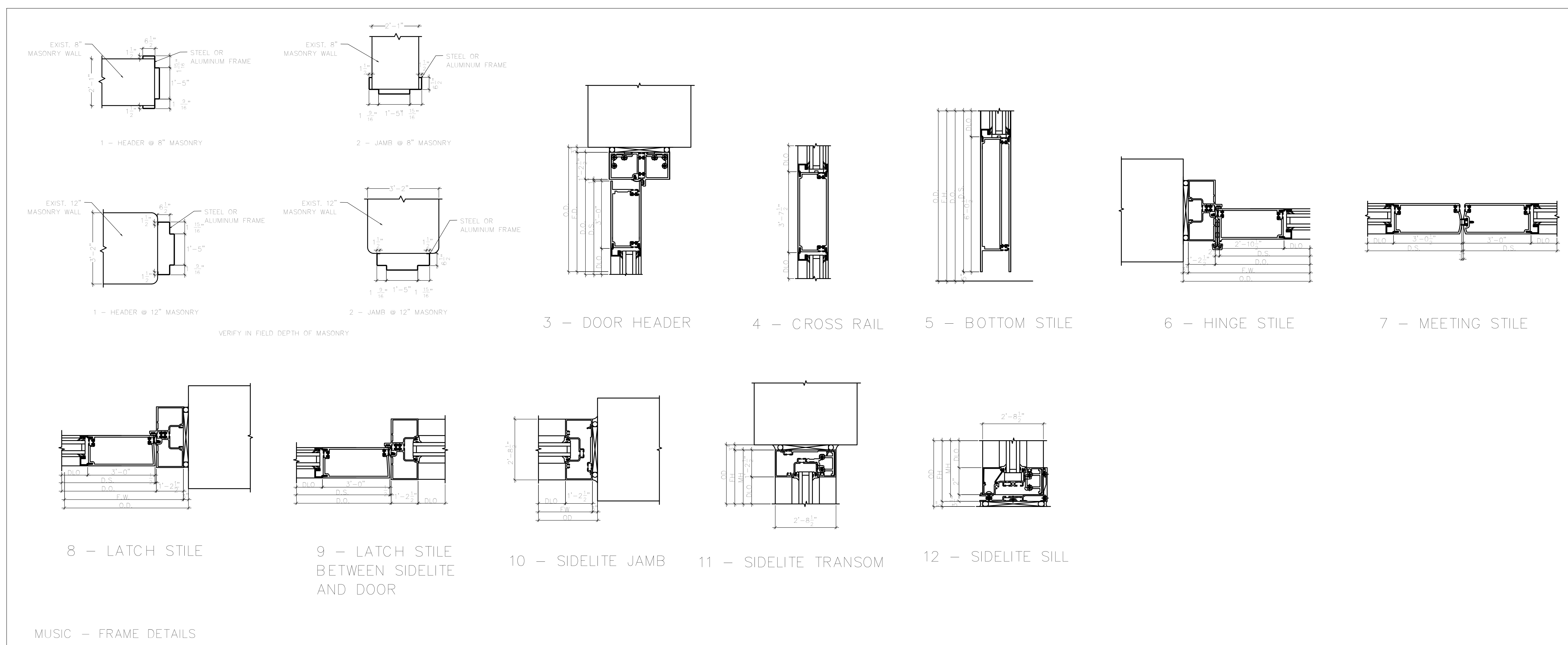
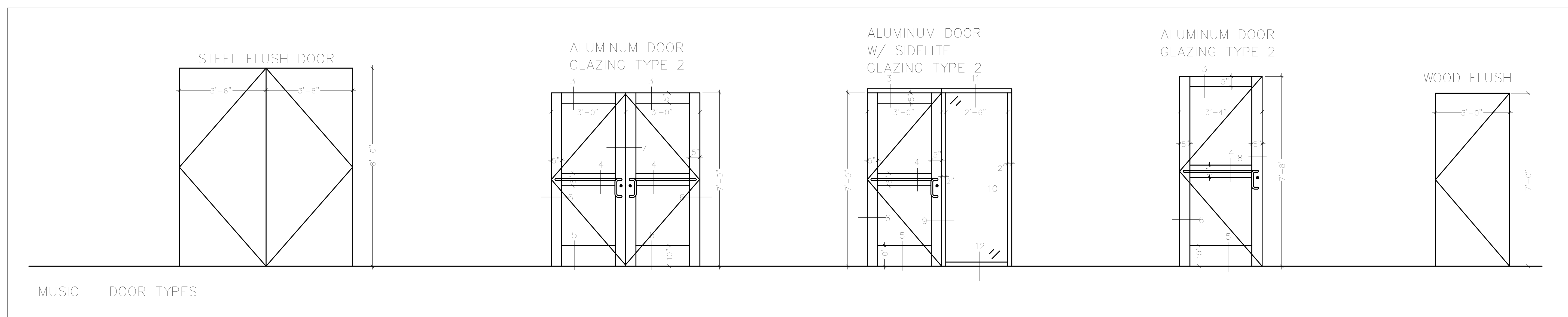
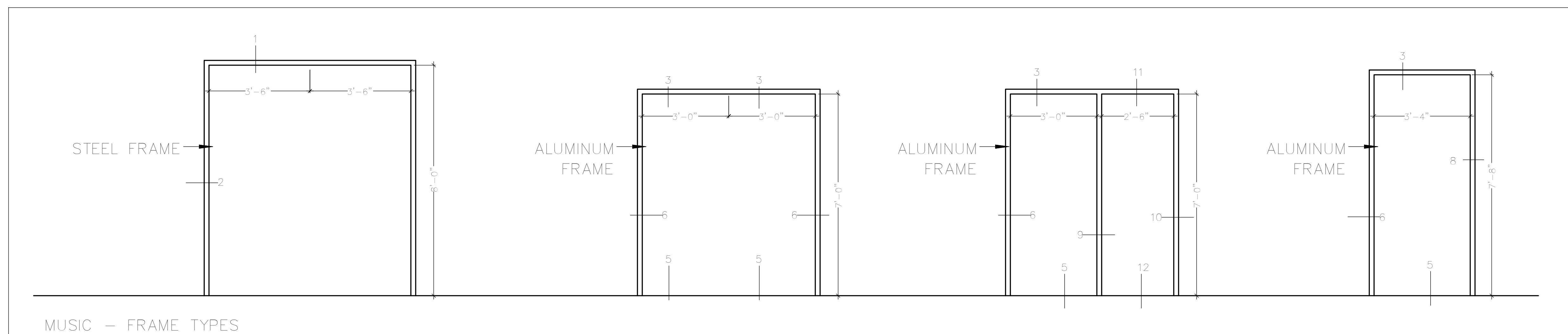
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MUSIC TYPICAL
ACCESS CONTROL
DETAILS

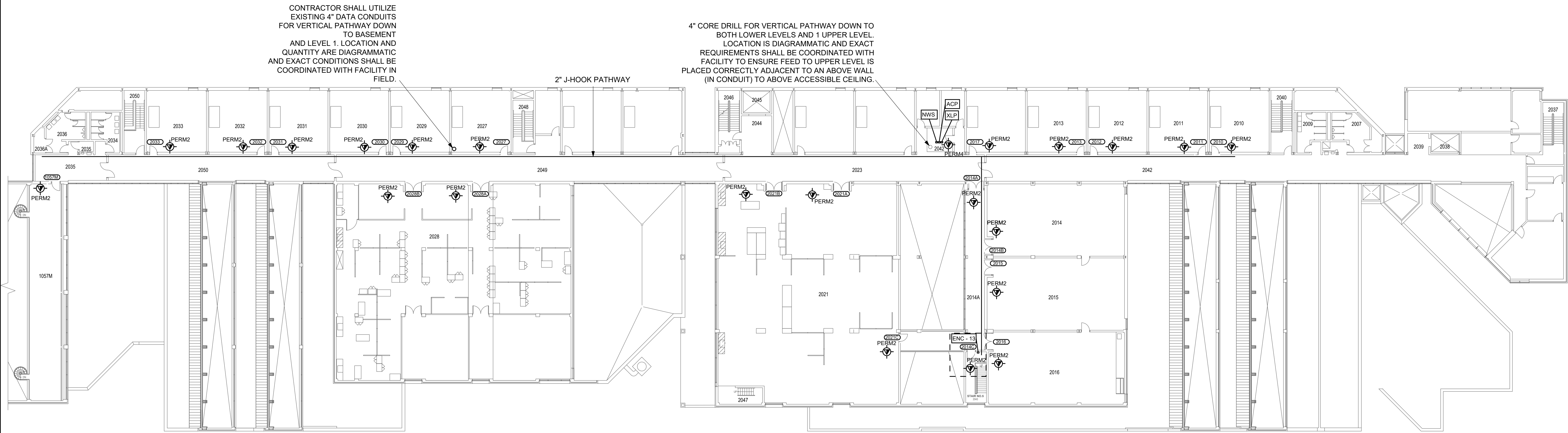
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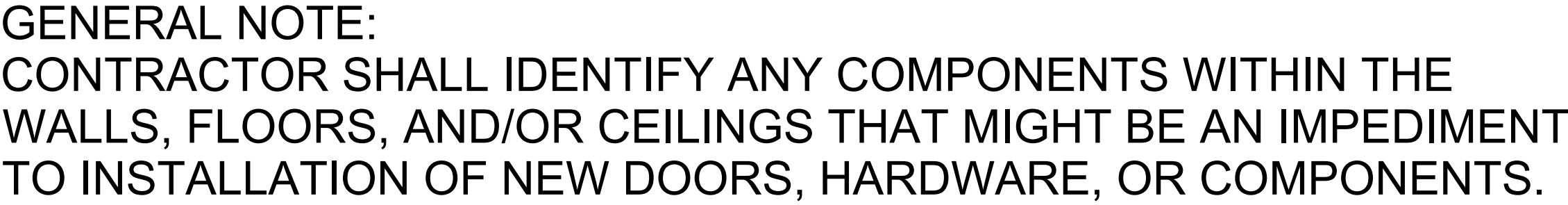
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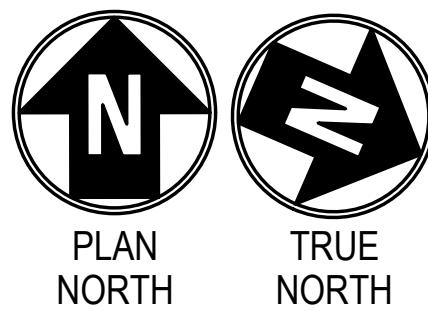




GRAPHIC SCALE (FEET)

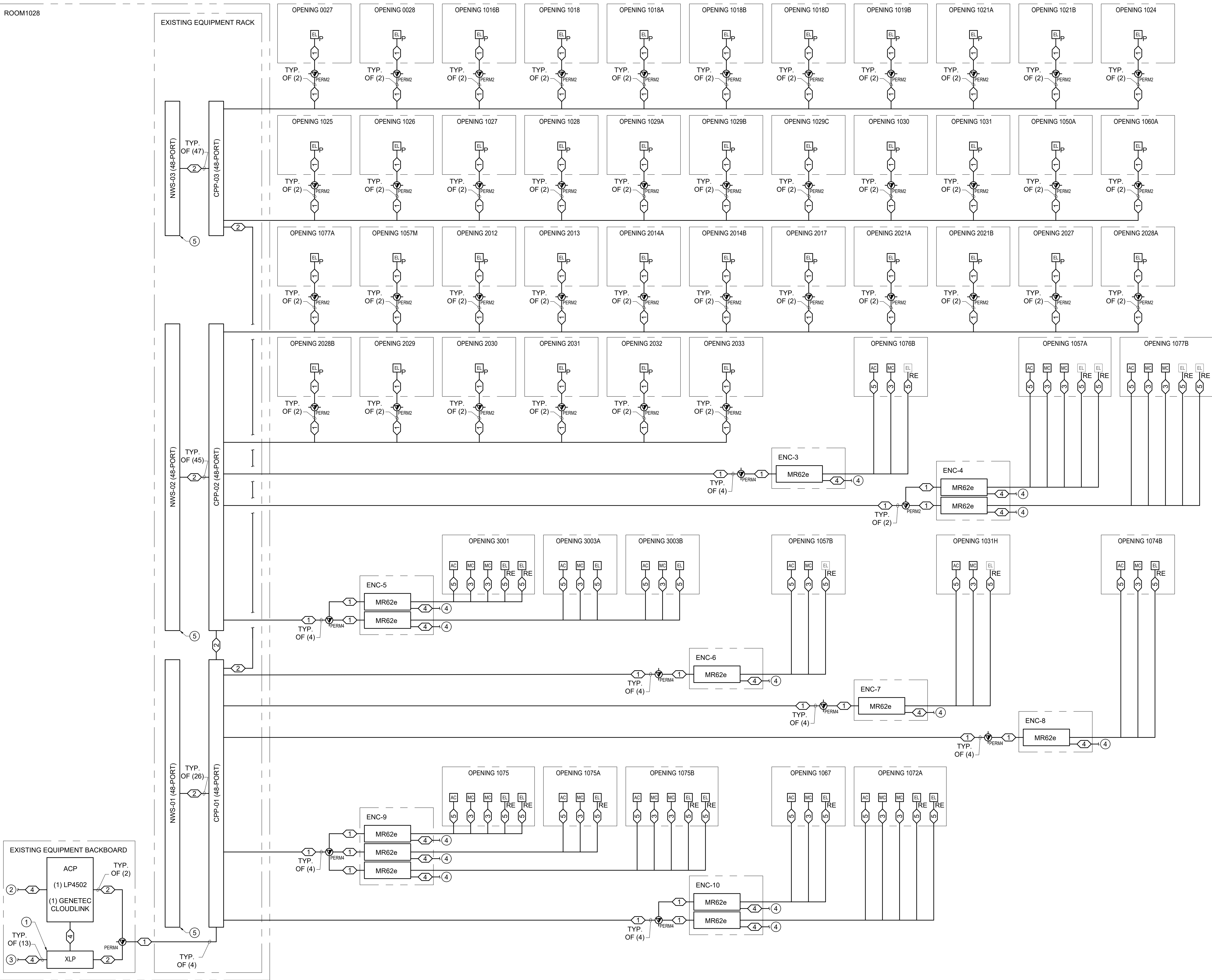
1/16" = 1'-0"

0' 16' 32' 48' 64'

A horizontal graphic scale bar with alternating black and white segments. The segments are labeled 0', 16', 32', 48', and 64' at the top. The first segment (0 to 16 feet) is divided into four equal parts, with a label '1/16" = 1'-0"' to its left.[illegible]

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ROOM1028



GENERAL NOTES

1. REFER TO SECURITY PLANS, DETAILS, AND ACCESS CONTROL SYSTEM SCHEDULE FOR ADDITIONAL INFORMATION.

CODED NOTES

1. DEVICE SHALL BE POWERED FROM 110V 20A DEDICATED POWER CIRCUIT.
2. CONNECTION TO FIRE ALARM CONTROL PANEL.
3. TO MR62E BOARD LOCATED IN FIELD.
4. TO XLP LOCATED IN ROOM 1028.
5. DEVICE POWERED FROM UNINTERRUPTIBLE POWER SUPPLY IN SHARED ROOM. UNINTERRUPTIBLE POWER SUPPLY AND NECESSARY POWER CIRCUIT EXIST OR ARE OWNER PROVIDED AS NEEDED.

ACCESS CONTROL SYSTEM CABLE SCHEDULE

1	CAT 6 CABLE
2	CAT 6 PATCH CABLE
3	(4)#18 AWG
4	(2)#18 AWG
5	(6)#18 AWG



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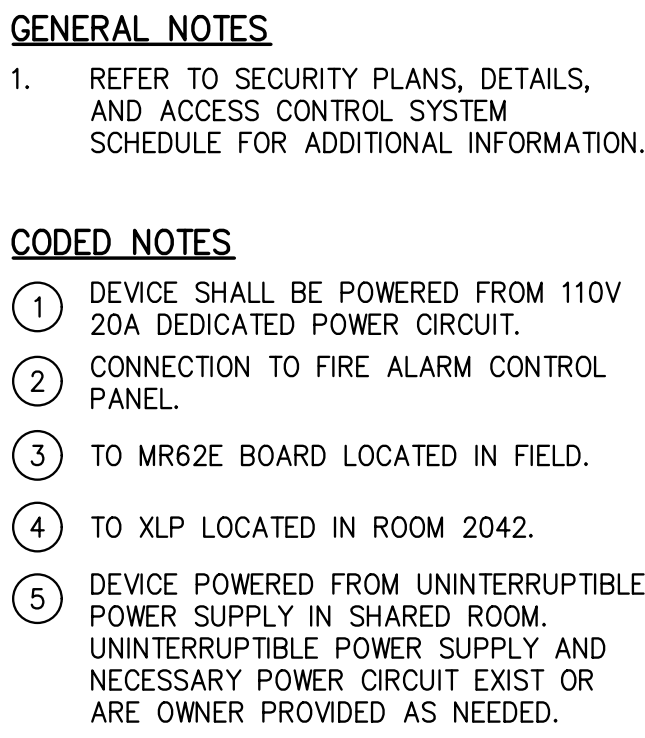
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VISUAL ARTS
ACCESS CONTROL
SYSTEM RISER
DIAGRAM (1 OF 2)

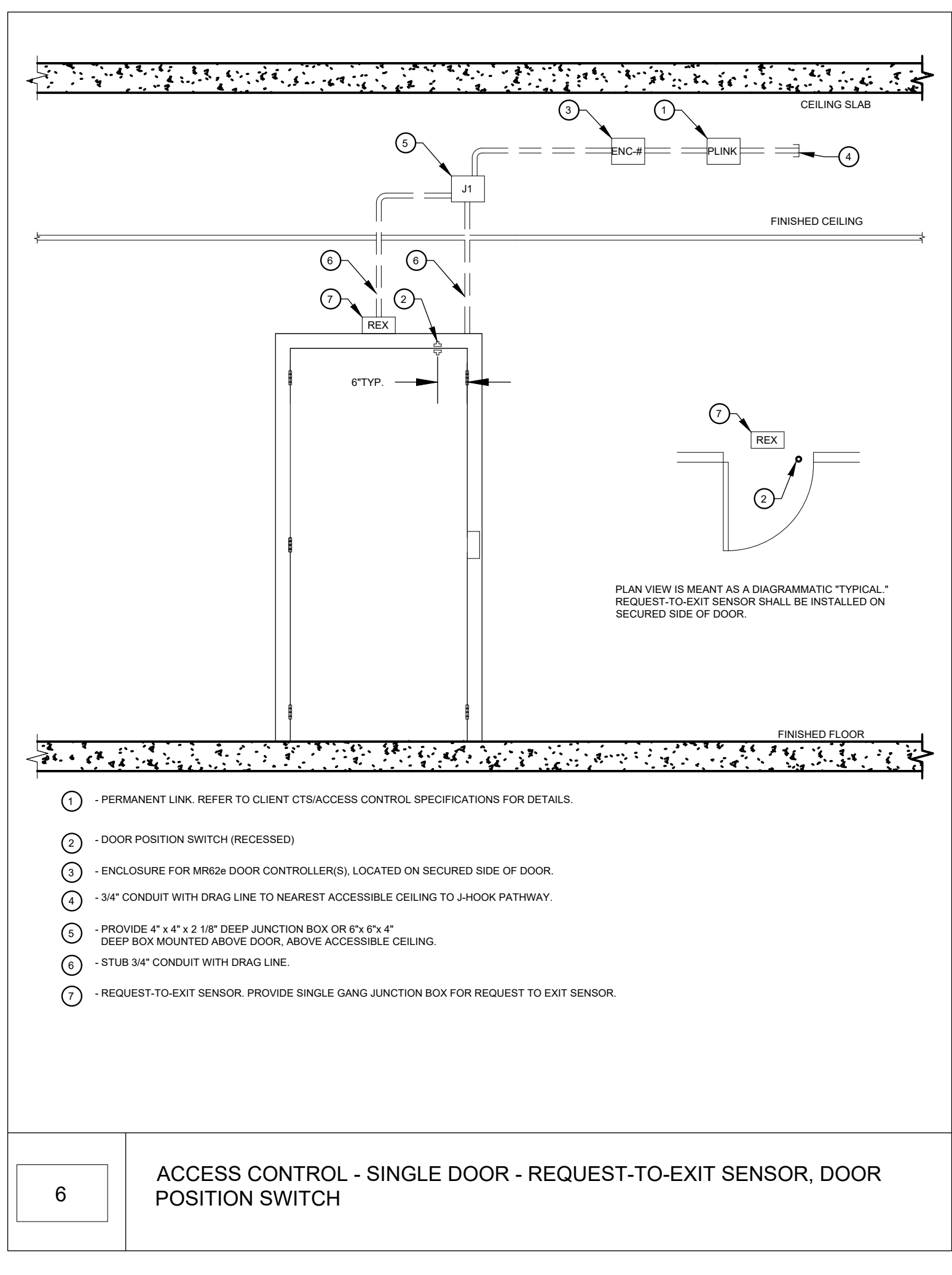
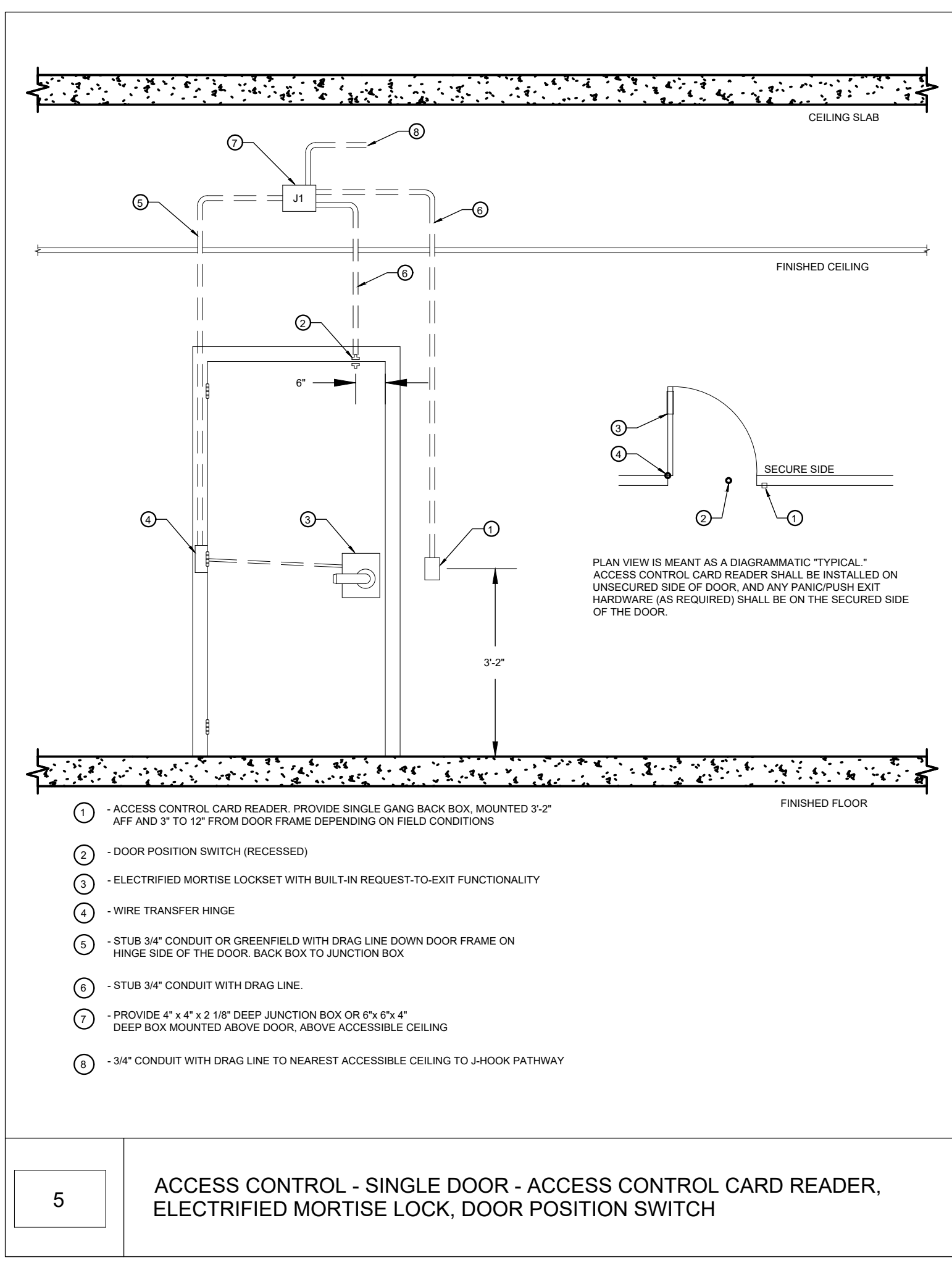
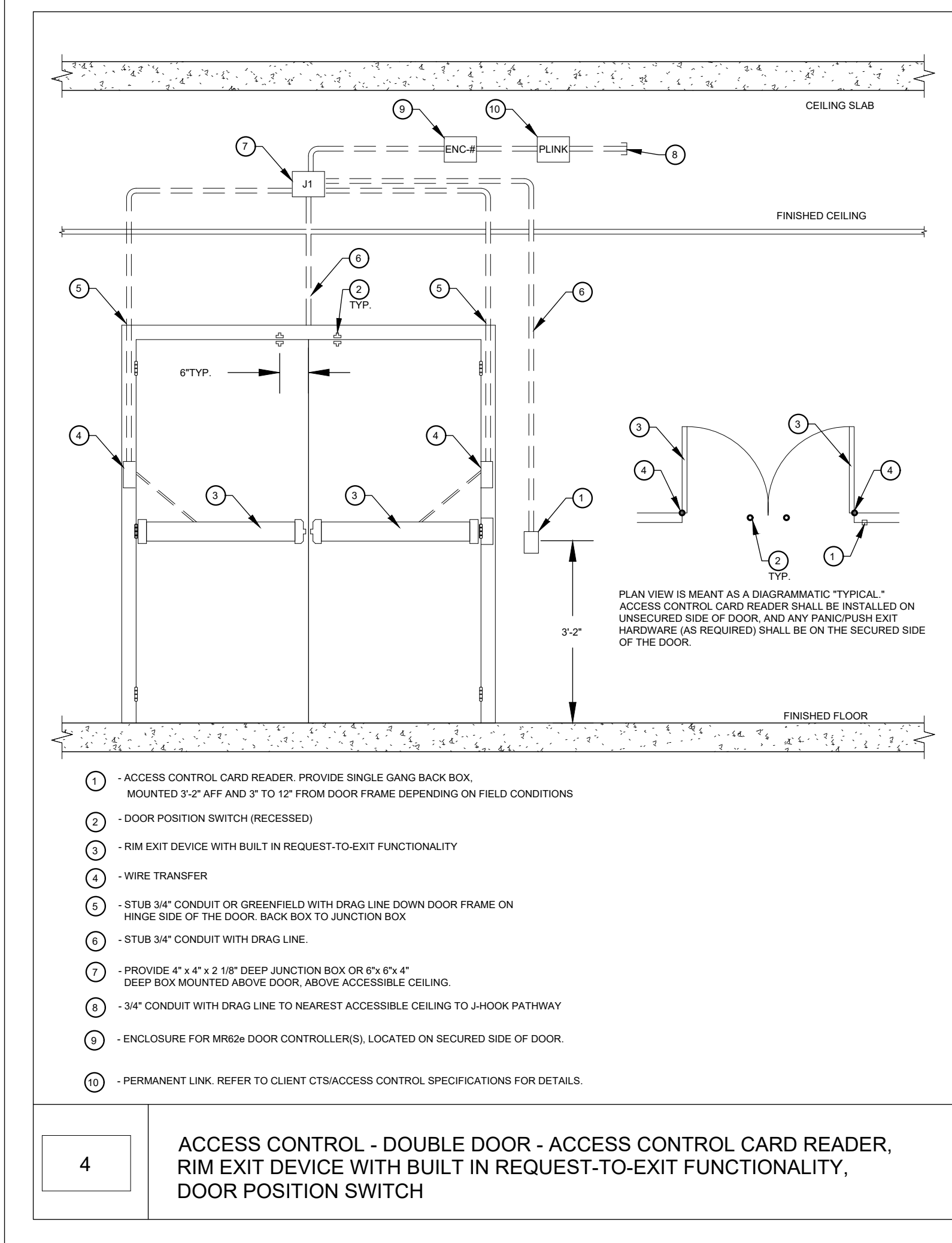
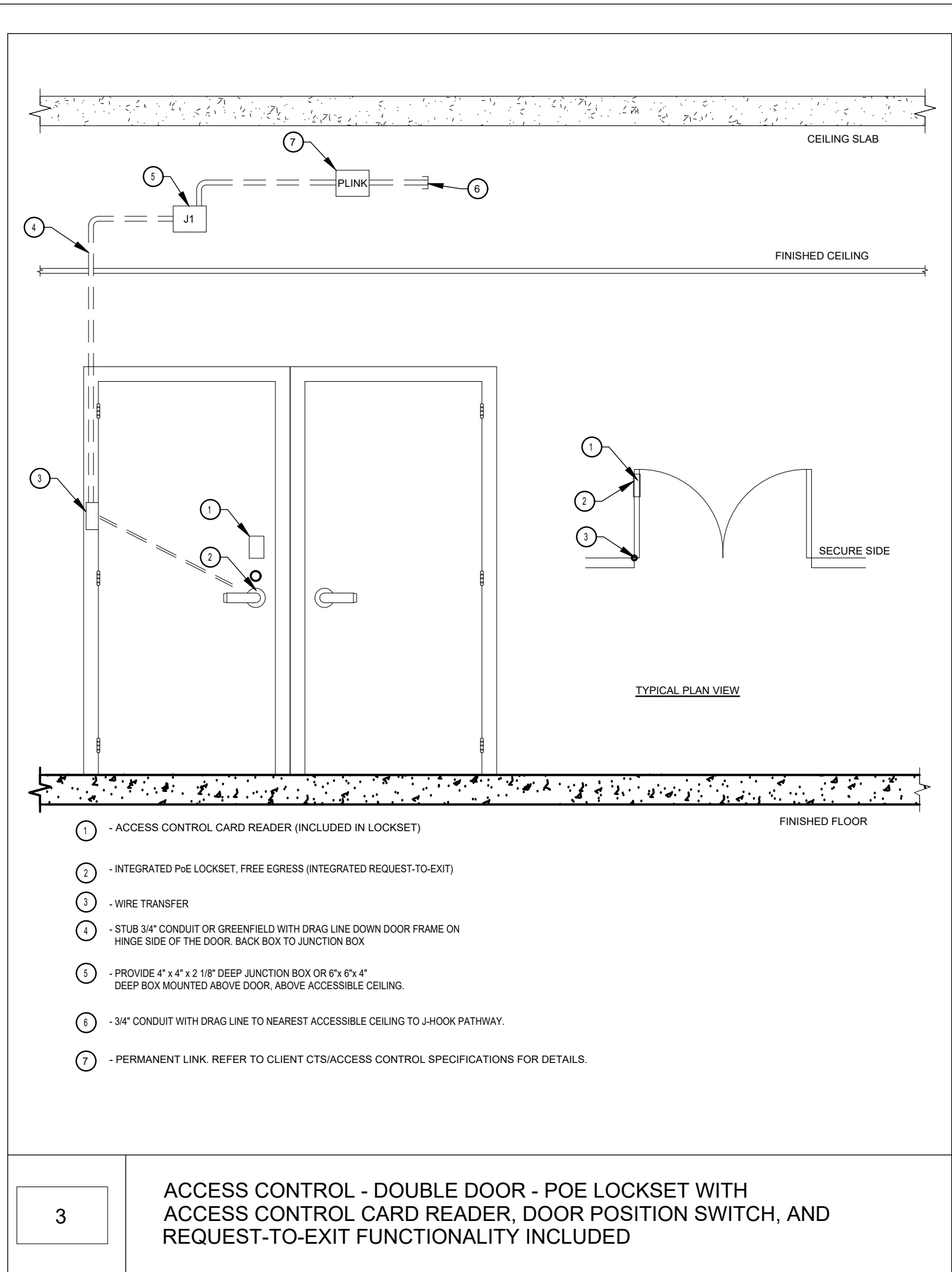
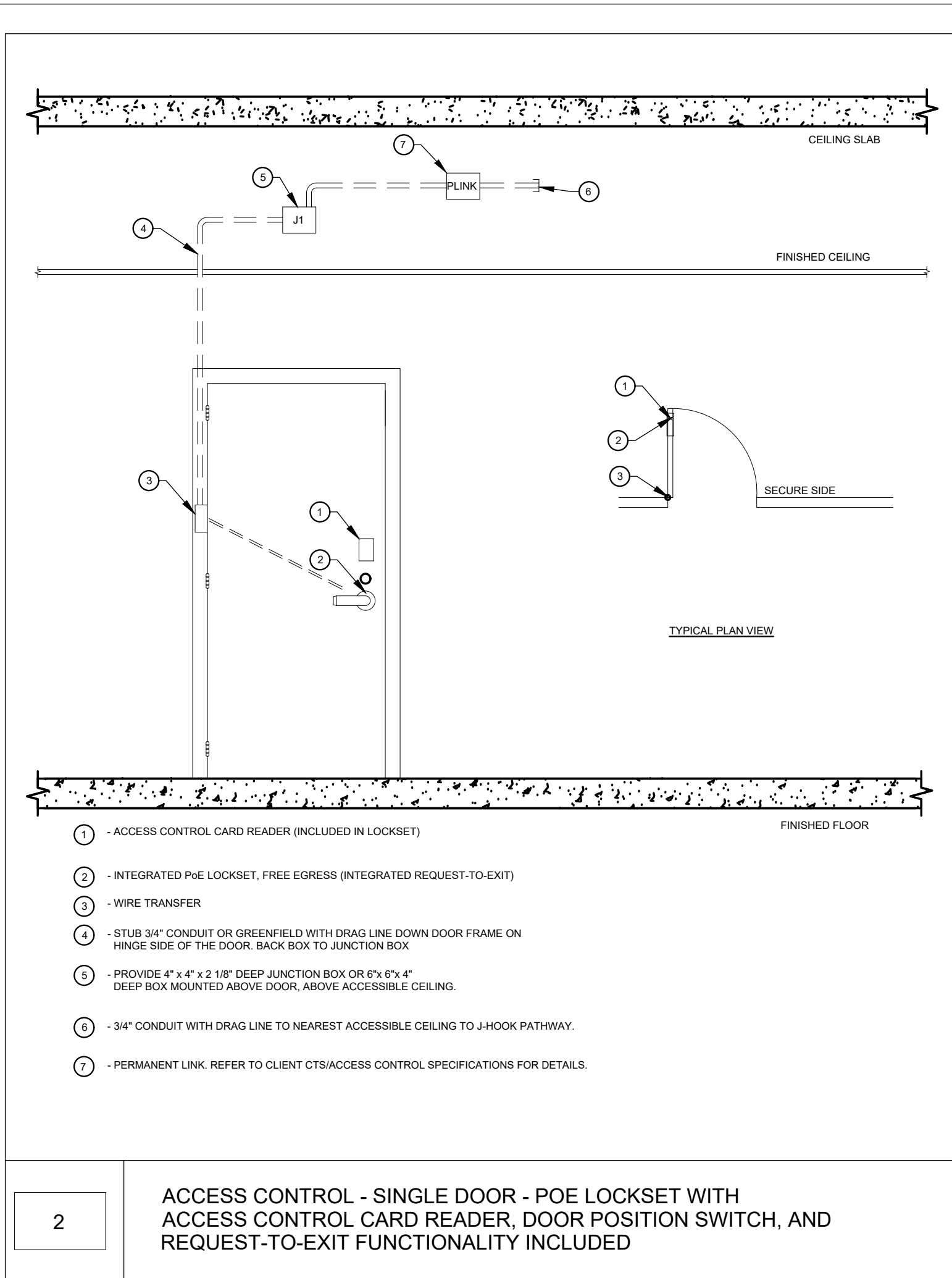
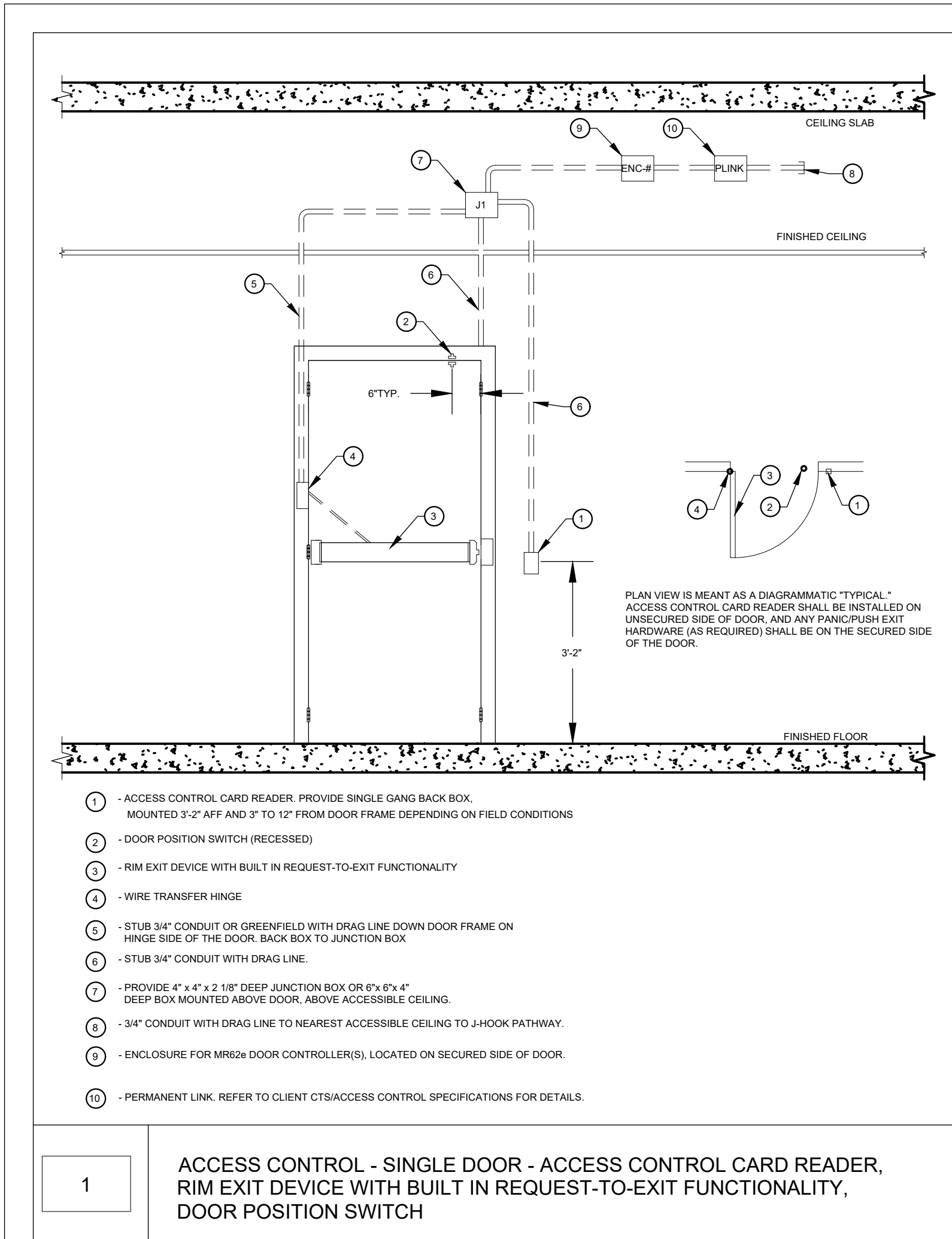
Designed By:	Drawn By:	Checked By:
TH	AM	TH
Issue Date:	Project No:	Scale:
056050		AS NOTED

Drawing No.:
VA-SEC-300



ACCESS CONTROL SYSTEM CABLE SCHEDULE	
1	CAT 6 CABLE
2	CAT 6 PATCH CABLE
3	(4)#18 AWG
4	(2)#18 AWG
5	(6)#18 AWG

GENERAL NOTE:
IN FRAMES AND WALLS THAT ARE INACCESSIBLE FOR CONCEALED WIRING, PROVIDE SURFACE MOUNT RACEWAY.



GENERAL NOTES

1. ALL DOORS MUST BE VERIFIED WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
2. VERIFY SIDE OF DOOR DEVICES TO BE LOCATED ON WITH OWNER TO ENSURE CORRECT DOOR OPERATION.



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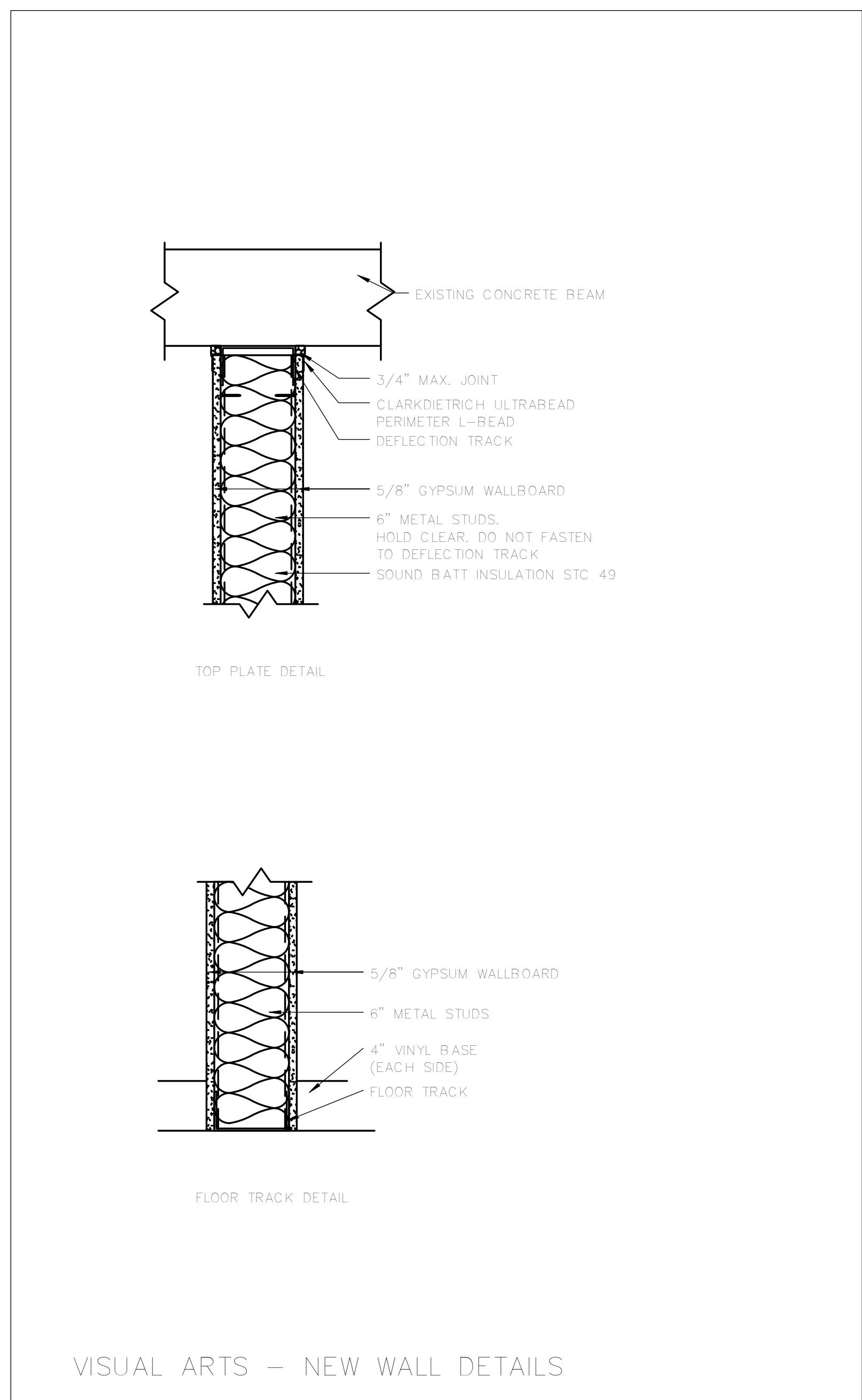
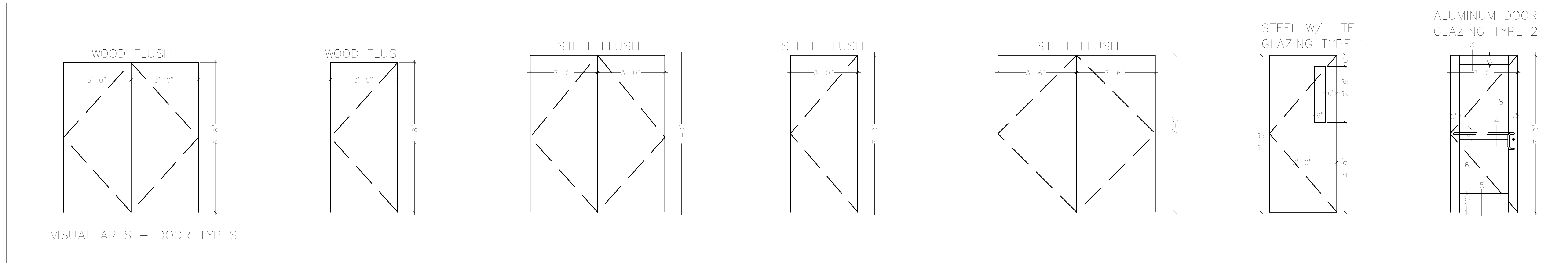
CAMPUS SECURITY UPGRADES
SUNY PURCHASE
735 ANDERSON HILL RD., PURCHASE, NY 10577

No.	Submit	Revision	Appr'd	By	Date
1	RECORD SET				08/02/2024
2					
3					
4					
5					
6					
7					
8					
9					
10					

VISUAL ARTS
TYPICAL ACCESS
CONTROL DETAILS

Designed By: TH	Drawn By: AM	Checked By: TH
Issue Date: 056050	Project No: 056050	Scale: AS NOTED

Drawing No.:
VA-SEC-400



[illegible]

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