

THE CLIENT
HUB AHEAD 4.0A (CLIENT OCCUPIED)
ISSUED FOR BID

SUBMITTAL DATE:
MAY-20-2025

PREPARED BY:



CUSTOMER:



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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
Project Manager: AK
Project Engineer: KD

ENG. STAMP	PERMIT TO PRACTICE
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Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
ISSUE FOR BID

Job Number

Project:
Client
THE CLIENT

Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

Location
MULTIPLE LOCATIONS

Title:
Security Cover Page

Scale @ ArchB: NTS
Revision: 2

External Reference:

Drawing Number:
TO-001

Client	The Client		
Project	HUB AHEAD 4.0A (CLIENT OCCUPIED)		
Location	Multiple Locations		
File Name	Title	Revision	Page #
T0-001	Security Cover Page	2	1
T0-002	Security Document Register	2	2
T0-003	Security Equipment Legend	2	3
T1-001	Security Equipment Level 1 - All Areas	2	4
T1-002	Security Equipment Level 1 - Area A	2	5
T1-003	Security Equipment Level 1 - Area B	2	6
T1-004	Security Equipment Level 1 - Area C	2	7
T2-001	Point-to-Point Diagram CCTV MDF 113	2	8
T2-002	Rack Layout MDF 113	2	9
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T3-001	Typical Details ACS Typical Detail 01	2	11
T3-002	Typical Details ACS Typical Detail 02	2	12
T3-003	Typical Details ACS Typical Detail 03	2	13
T3-004	Typical Details ACS Typical Detail 04	2	14
T3-005	Typical Details ACS Typical Detail 05	2	15
T3-006	Typical Details ACS Typical Detail 06	2	16
T3-007	Typical Details ACS Typical Detail 07	2	17
T3-008	Typical Details ACS Typical Detail 08	2	18
T3-009	Typical Details ACS Typical Detail 09	2	19
T3-010	Typical Details ACS Typical Life Safety Power w/ ACM ("A")	2	20
T3-011	Typical Details CCTV Mounting Typical Details	2	21
T3-012	Typical Details CCTV Pole A & Rough-in Boxes Typical Details	2	22
T3-013	Typical Details CCTV SFE Enclosure Layout & Wiring	2	23
T3-014	Typical Detail Exterior Camera Pole Cabling	2	24
T3-015	Typical Details Network Diagram	2	25
T3-016	Enrollment Reader Wall Elevation and Wiring Typical	2	26
T4-001	Device Schedule ACS	2	27
T4-002	Device Schedule CCTV	2	28

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













Title: Security Document Register

Scale @ ArchB: NTS Revision: 2

External Reference:

Drawing Number: T0-002





Access Control

-  Card Reader
-  Keypad & Card Reader Combination
-  Biometric Reader
-  ADA Door Opener
-  Duress Button
-  Siren / Strobe
-  Traka Keybox
-  Recessed Door Contact
-  Surface Mount Door Contact
-  Cabinet Tamper Switch
-  Electric Panic Exit w/ REX
-  Electric Panic Exit
-  Electric Mortise Lock w/ REX
-  Electric Mortise Lock
-  Screw Cover Pull Box
-  Door Number
-  12V Single-Gang Piezo Sounder
-  KNOX BOX

Access Control Panels

Intruder Detection

CCTV

-  Internal Static Dome
-  External Static Dome
-  External 180 Dome
-  Internal 180 Dome

Command & Control

Revision Control

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Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

Location
MULTIPLE LOCATIONS

Title: Security Equipment Legend

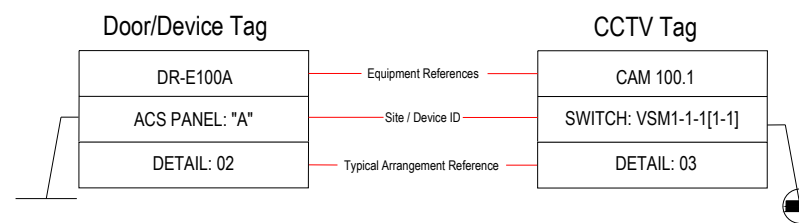
Scale @ ArchB: NTS
Revision: 2

External Reference:

Drawing Number:
T0-003

Video Intercom

Equipment Tag



Notes

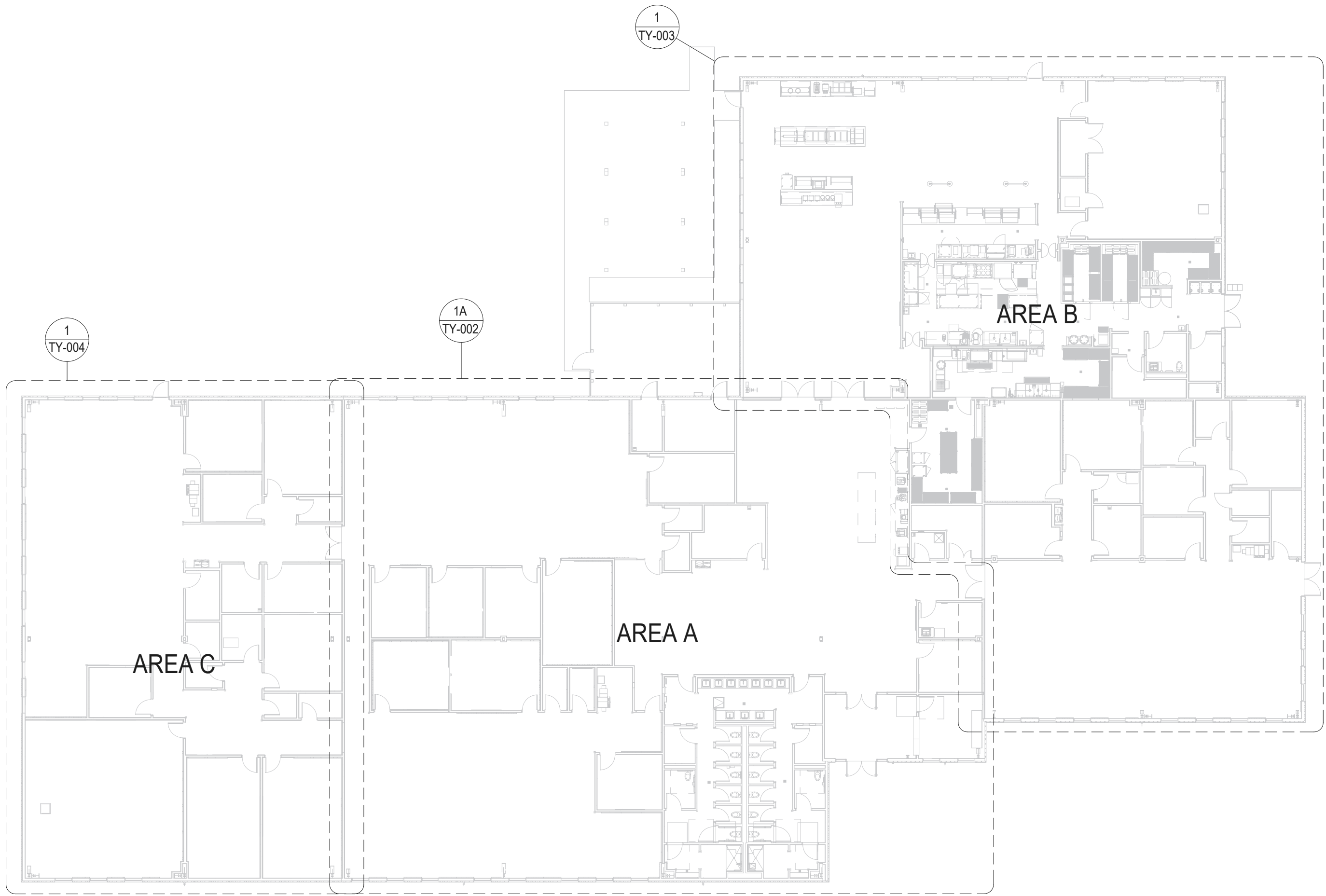
- 1) ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.
- 2) INFORMATION PENDING UPDATED DRAWING ISSUANCE/RFI.
- 3) SSFR RACKS ARE PRE-KITTED WITH SECURITY AND OTHER DEVICES UNDER NEGOTIATION WITH THE OWNER, AND ARE SHIPPED TO THE SITE TO BE INSTALLED BY THE TELECOM CONTRACTOR.
- 4) LV CONTRACTOR TO PROCURE AND INSTALL FIBER PATCH CABLES BETWEEN SWITCHES AND FIBER PATCH PANEL PER SPECIFIC DIRECTION FROM OWNER. FIBER PATCH CABLES SHALL CONSIST OF (11) 3M SINGLE MODE WITH LC/LC CONNECTORS; AND (5) 5M SINGLE MODE WITH LC/LC CONNECTORS.
- 5) CAMERA POLES AND SWITCHES:

PHASE 1	
ALL SECURITY CAMERA POLE AND SWITCH DETAILS PER CIVIL, SITE ELECTRIC, TELECOM, AND SECURITY DRAWINGS AND SPECS AND AS DIRECTED BY OWNER.	
PHASE 2	
NO CAMERA POLES OR POLE ENCLOSURES	DRAWING T3-012 DETAIL 1 & 2: NOT REQUIRED
NO SFE ENCLOSURES FOR CAMERA POLES	DRAWING T3-013: NOT REQUIRED
NO ROUTING FOR CAMERA POLES	DRAWING T3-014: NOT REQUIRED
NO IE3200 SWITCH	DRAWING T3-015 DETAIL 1: NOT REQUIRED
PHASE 3	
MOVE	DRAWING T3-012 DETAIL 1 & 2: NOT REQUIRED
NO SFE ENCLOSURES FOR CAMERA POLES	DRAWING T3-013: NOT REQUIRED
NO ROUTING FOR CAMERA POLES	DRAWING T3-014: NOT REQUIRED
NO IE3200 SWITCH	DRAWING T3-015 DETAIL 1: NOT REQUIRED

Cables

	DESCRIPTION	USE	SPECIFIC TYPE
A	#142 UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND A1A POWER, INTERIOR.	BELDEN 6300UE OR WCV 957940
B	#22 3-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDP, CAPACITANCE SHALL BE LESS THAN 18PF PER FOOT, INTERIOR.	WCV-415115-4050SP
C	#222 UNSHIELDED, 7 STRAND, PLENUM	SPS CONTACTS, LOCK REX SIGNAL, INTERIOR.	BELDEN 6500UE OR WCV 444340
D	#182 UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, A1A POWER, INTERIOR.	BELDEN 6300UE OR WCV 442840
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER, POWER, WEGAND, SIGNALS, INTERIOR.	WCV 444351-40
F	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET, FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	810 READERS, TRAKA, INTERIOR.	WCV 556640
G	#184 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT BURIAL EXTERIOR CARD READER, DIRECT BURIAL, AUDIO 120V PUBLIC ADDRESS, LOUDSPEAKER	BELDEN 5302F1
H	1-PAIR #22 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCV 042070B
I	#23 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT BURIAL CAMERA VIDEO, DIRECT BURIAL INTERCOM, DIRECT BURIAL PVE APPLICATIONS	BELDEN 2143A
J	COMPOSITE CABLE, (ELEM1) 4C #16, (ELEM2) 3 PR, #22, (ELEM3) 2C # 22 AND (ELEM4) 4C #22	DOOR CONNECTIONS TO MDP MOUNTED ACSIS	WCV 4461020
K	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET, FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND PVE	WCV 5566030

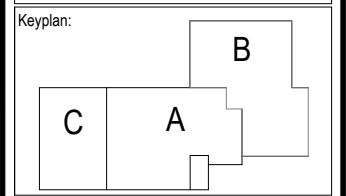
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET, SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET



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 ISSUE FOR BID

Job Number

Project: Client
 THE CLIENT

Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)

Location
 MULTIPLE LOCATIONS

Title: Security Equipment Level 1
 All Areas

Scale @ ArchB: NTS Revision: 2

External Reference:

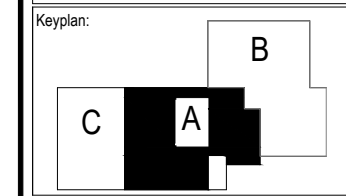
Drawing Number:
 T1-001

1 Security Equipment Level 1 - All Areas
 NTS

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- Notes:
1. PROVIDE SINGLE GANG JUNCTION BOX FOR WALL MOUNTED SECURITY CAMERA ABOVE ASSOCIATED CARD READER ACCESS. MOUNT 8'-0" AFF. CAMERA TO PROVIDE RECOGNITION LEVEL COVERAGE FOR THE TWO INTERIOR CARD READERS AND GENERAL COVERAGE OF VESTIBULE AREA.
 2. ELECTRIFIED ADA POWER OPERATORS: IN ADDITION TO 120V CONNECTION TO POWER SUPPLY, PROVIDE LOW VOLTAGE CONNECTION (COXES, CONDUIT AND CONDUCTORS) TO WALL, JAMB, OR PEDESTAL MOUNT ACTUATORS PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATION SECTION 08100 FOR INDIVIDUAL REQUIREMENTS.
 3. CARD READER TO ONLY BE OPERATIONAL AFTER BUSINESS HOURS.
 4. PROVIDE SINGLE GANG JUNCTION BOX FOR DISTRESS BUTTON & PIEZO SOUNDER. TIE INTO SECURITY ALARM SYSTEM AT SETBACK PANEL. COORDINATE EXACT REQUIREMENTS WITH SECURITY INSTALLER PRIOR TO ROUGH-IN.
 5. PROVIDE SINGLE GANG JUNCTION BOX FOR EXTERIOR WALL MOUNTED CAMERA. VERIFY EXACT REQUIREMENTS WITH SECURITY INSTALLER PRIOR TO ROUGH-IN.
 6. THE KNOXBOX HAS A TAMPER SWITCH.
 7. NO SECURITY. WALL OFF TO MAINTAIN OPERATIONAL BOUNDARY UNTIL THE ADJACENT AREA B IS TURNED OVER TO CLIENT COMPLETELY.
 8. THIS IS THE TRAKA KEYBOX. CARD READER TO BE INSTALLED, BUT IT IS NOT INTEGRATED WITH THE CCURE CONTROL SYSTEM. SEE DETAIL ON SHEET T3-001.
 9. CAMERA TO BE REMOVED WHEN AREA C IS OCCUPIED BY CLIENT.
 10. IF AREA C IS BEING BUILT AND OCCUPIED BY GC, AVIA TO BE ON SECURE SIDE. IF NO AREA C BUILT, KEEP OUTSIDE.
 11. ONCE AREA C OCCUPIED BY CLIENT, REMOVE ACCESS CONTROL.
 12. INSTALL CAMERAS HERE IF AREA C IS NOT CONSTRUCTED UNTIL LATER AND RELOCATE THEM ONCE AREA C IS CONSTRUCTED.

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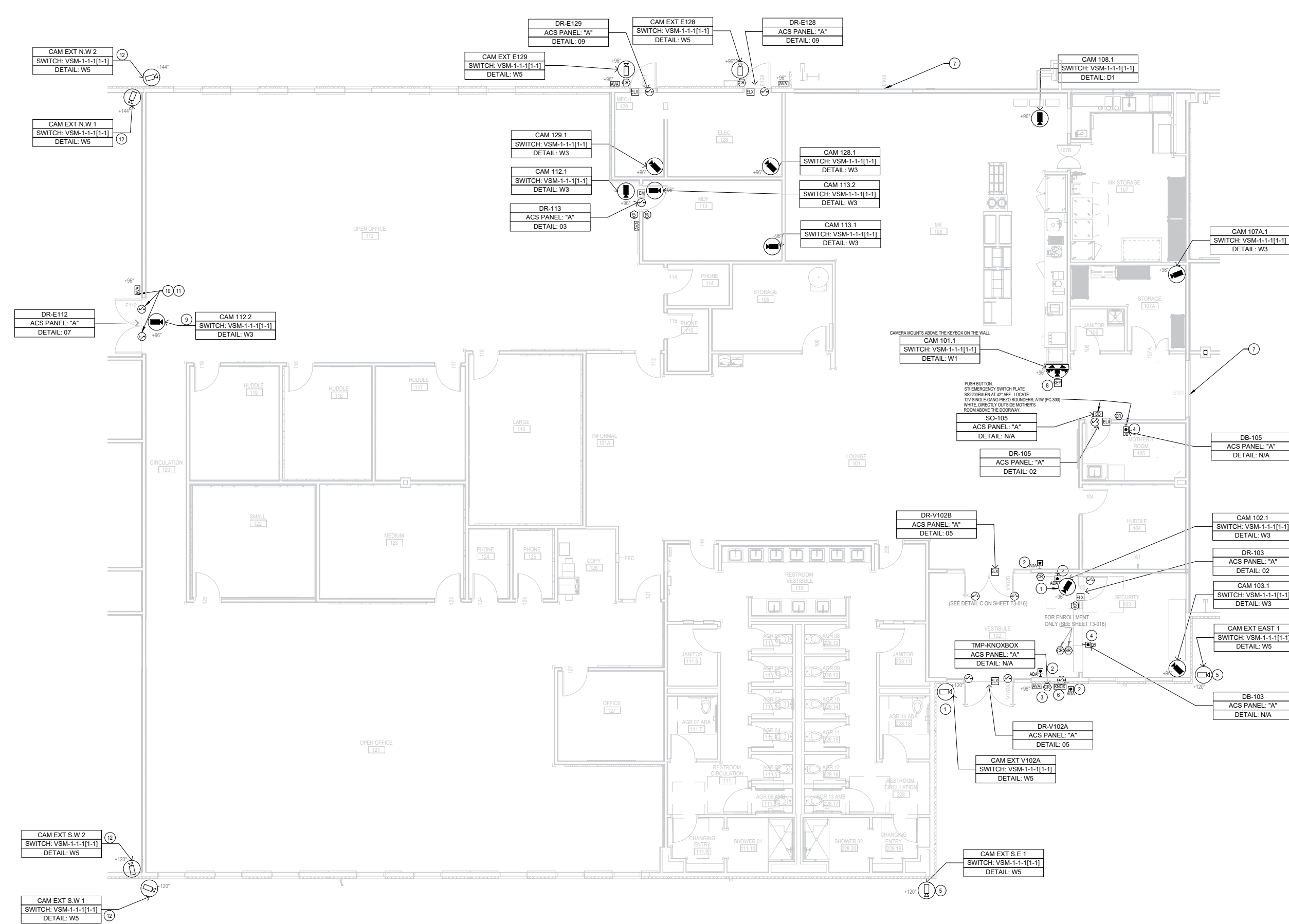
Project:
 Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title:
 Security Equipment Level 1
 Area A

Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number:
 T1-002

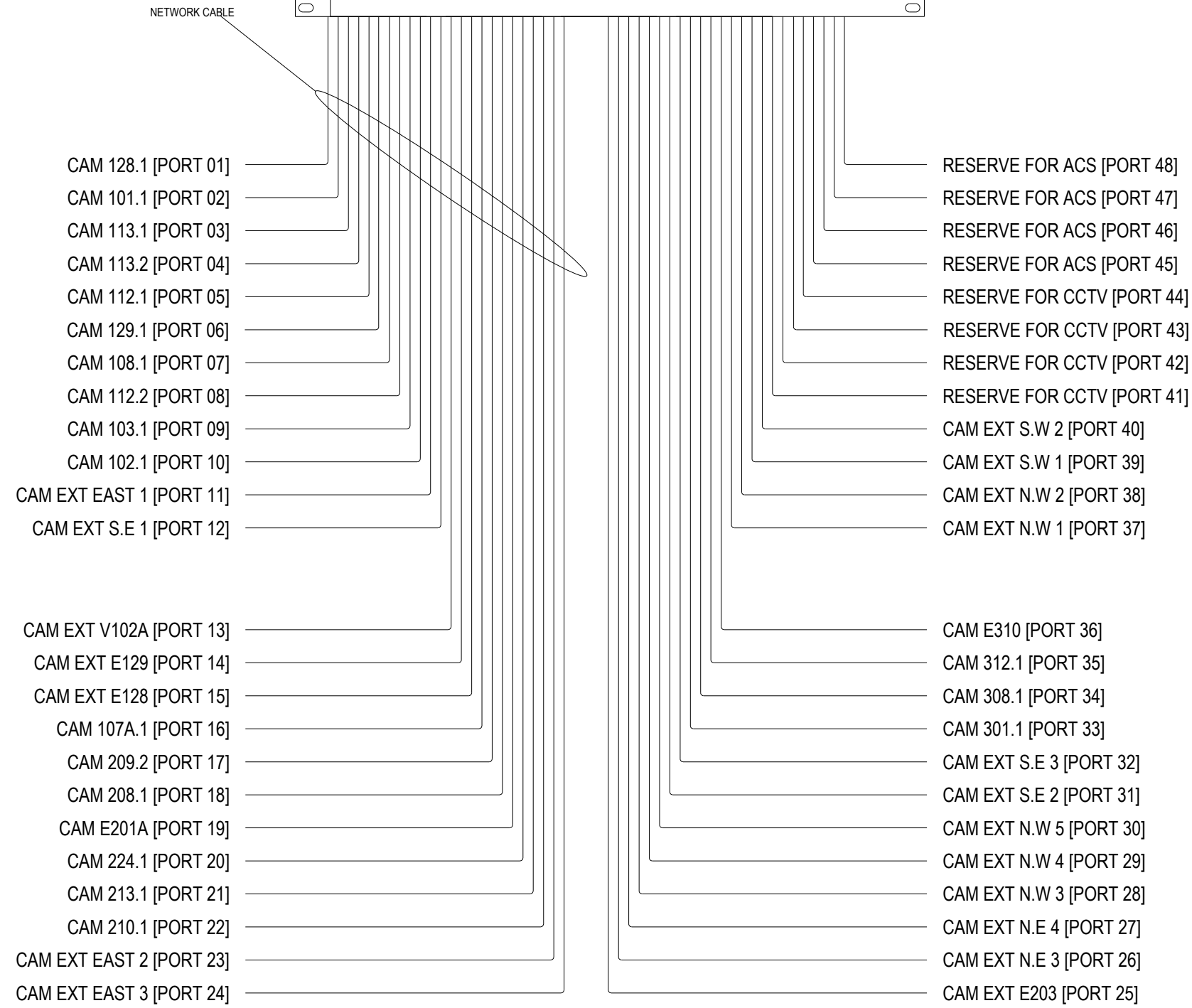
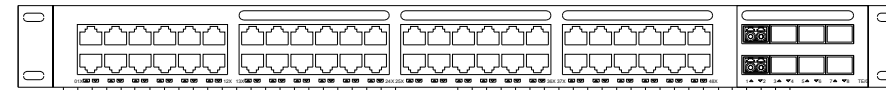


1 Security Equipment Level 1 - Area A
 NTS

MDF 113

HUB AHEAD 4.0A MDF 113 POE SWITCH 1
CISCO C9300-48P

US-XXX-XXX-VSM-1-1-1[1-1]



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Keyplan:

Notes:

- SEE EQUIPMENT ROUGH IN NOTES ON THE FLOOR PLANS AND DEVICE SCHEDULES.

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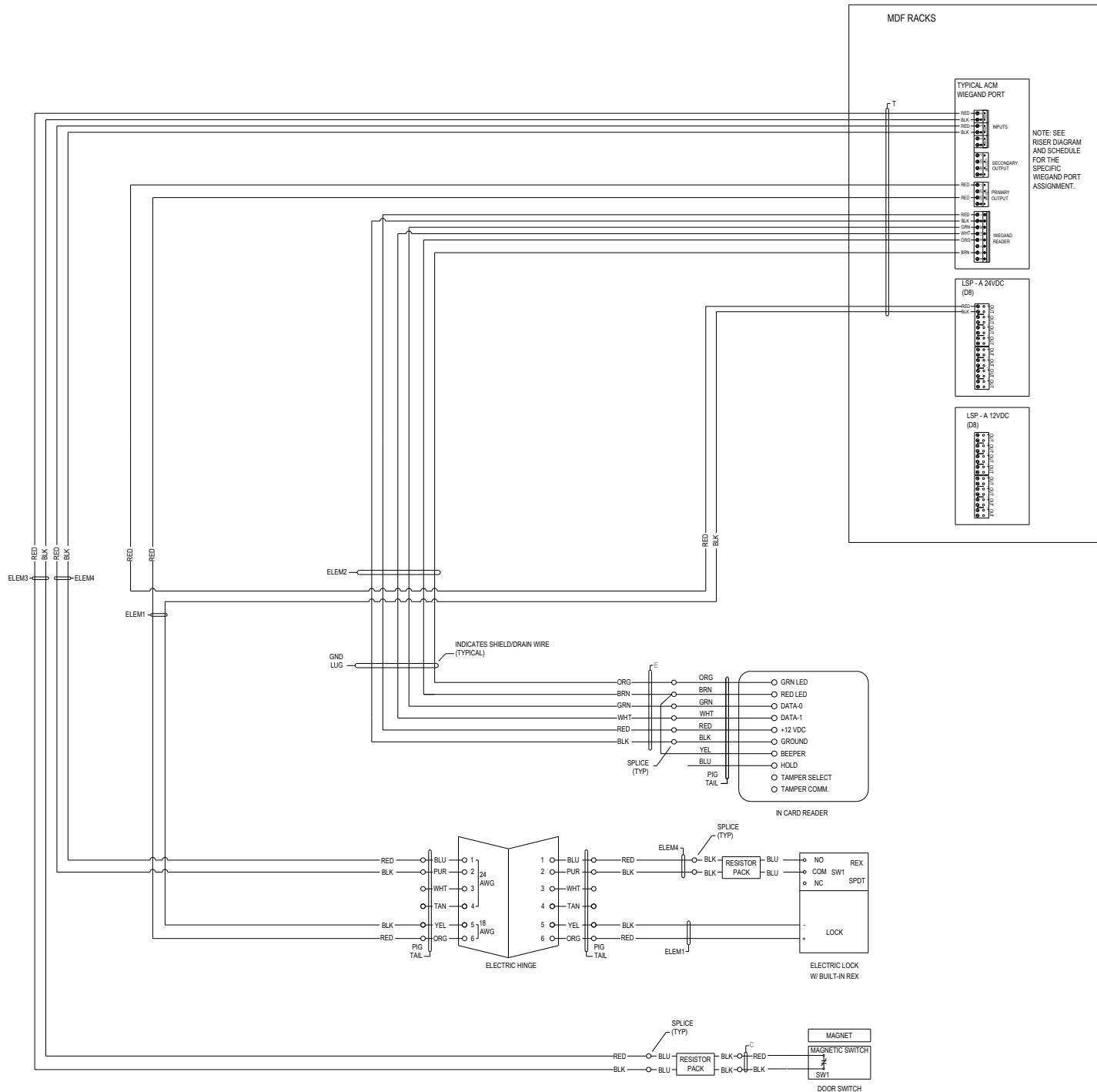
Title: Point-to-Point Diagram CCTV MDF 113

Scale @ ArchB: NTS
Revision: 2

External Reference:

Drawing Number:
T2-001

SET No. 02					
SET DESCRIPTION: Single Door, Card Reader on non-secure (pull) side unlocks Fail-Secure Electric Mortise Leverset with internal REX.					
ENCLOSURE ITEMS				QUANTITY	
12" X 12" X 4" Screw Cover Pull Box	generic	generic NEMA-1		1	
NON-ENCLOSURE ITEMS					
Card Reader	HD	40NKS-03-009UQ w/Elite Keys (CE0052)		1	
Door Position Contact Switch	Magnaphone	MSS-301C-WG-GO		1	
Power Transfer	Roton	TBD		1	
End-of-line Resistor Pack	GRI	6644-1		2	
Electric Mortise Leverset, 24V DC Fail-Secure, with Internal REX Switch	Sargent / Schlage, TBD	TBD		1	
There is an AIVA located on the Non-Secure Side					<input type="checkbox"/>
There is an AIVA located on the Secure Side					<input type="checkbox"/>
There is a Camera dedicated to the credential reader on the Non-Secure Side					<input type="checkbox"/>
There is a Camera dedicated to the credential reader on the Secure Side					<input type="checkbox"/>



CABLE TYPES:

	DESCRIPTION	USE	SPECIFIC TYPE
A	#14Z UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 767640
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDP. CAPACITANCE SHALL BE LESS THAN 18PF PER FOOT. INTERIOR.	WCW415110-4005DP
C	#22Z UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL. INTERIOR.	BELDEN 6300UE OR WCV 443640
D	#18Z, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 442640
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS. INTERIOR.	WCW 443351-40
F	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET** FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCW 5566040
Q	#18H SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO TV PUBLIC ADDRESS LOUDSPEAKER.	BELDEN 5302F1
R	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCV 042007DB
S	#23 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL Pse APPLICATIONS	BELDEN 2143A
T	COMPOSITE CABLE, (ELEM1) 4C #18, (ELEM2) 3 PR. #22, (ELEM3) 2C # 22 AND (ELEM4) 4C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCW 4461030
Z	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND Pse	WCW 5566030

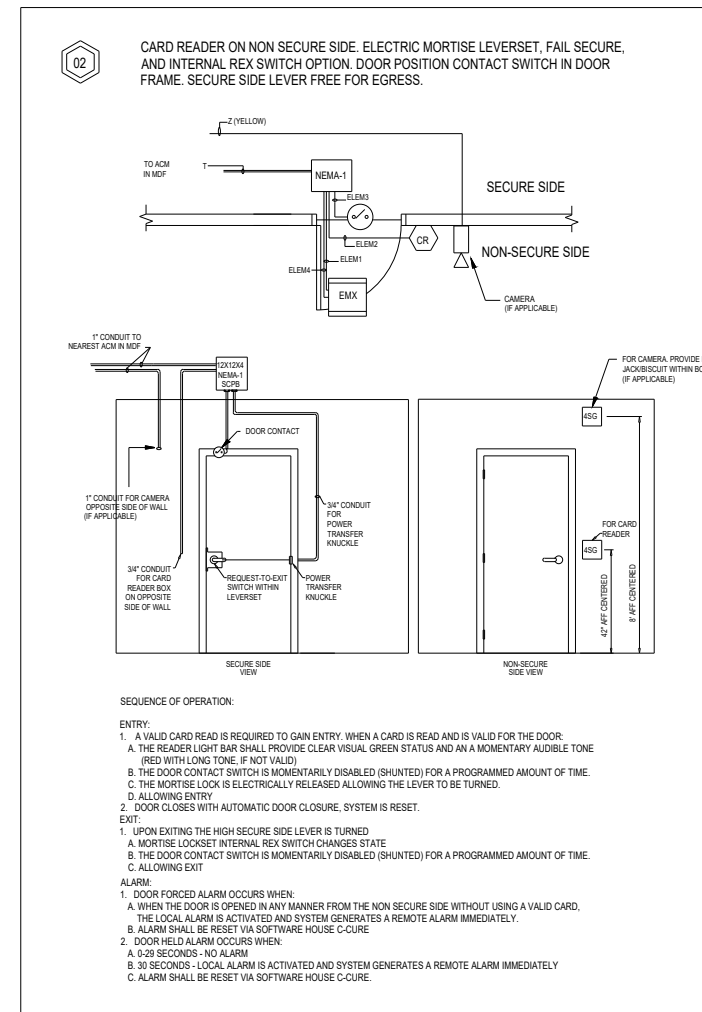
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LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "PERSON DOOR HELD" CONDITIONS AS FOLLOWS:
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

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 Location
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Title: Typical Details ACS Typical
 Detail 02

Scale @ ArchB: NTS
 Revision: 2

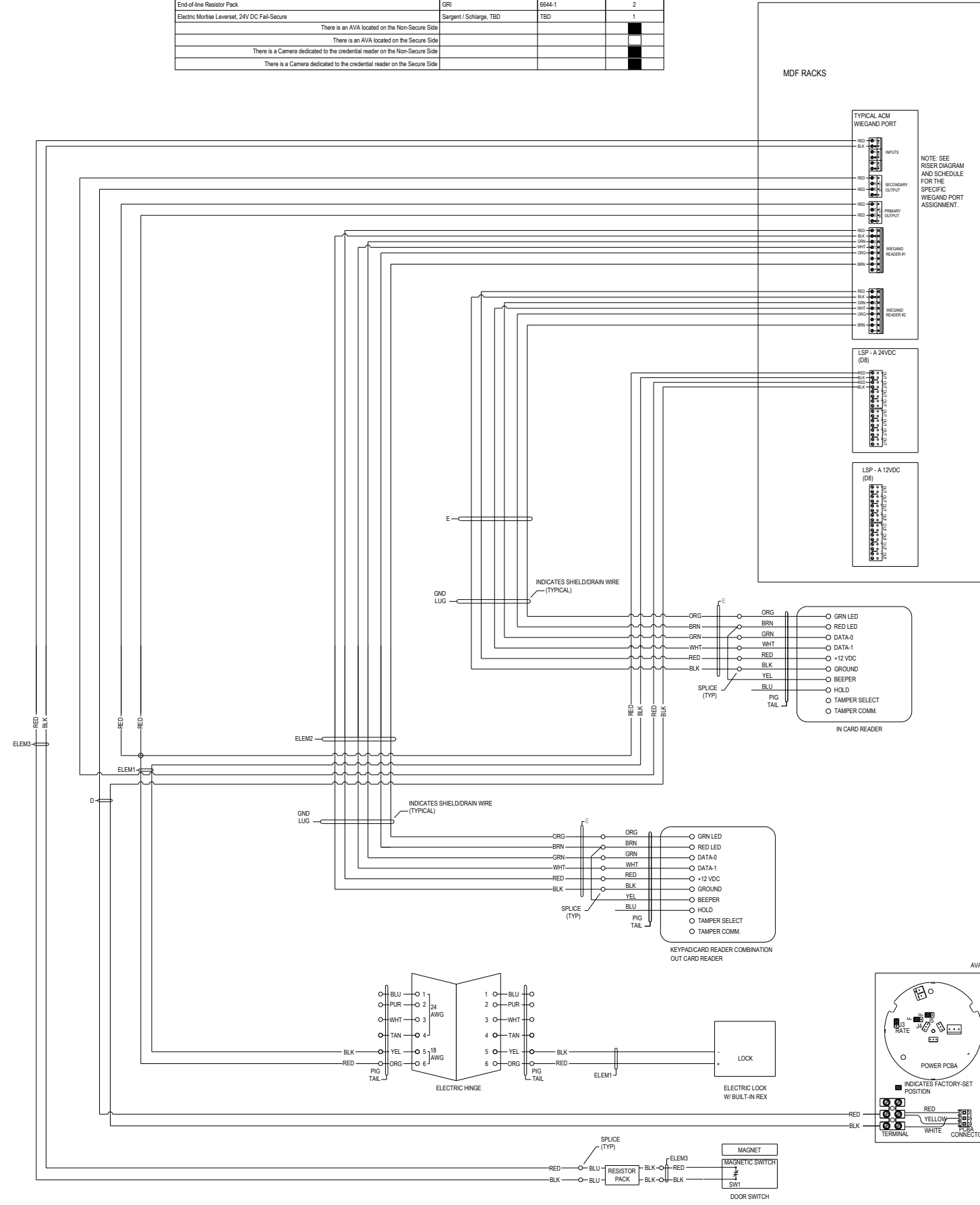
External Reference:

Drawing Number: T3-002

1 Typical Details ACS Typical: Detail 02

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

SET No. 03				QUANTITY
SET DESCRIPTION: Single Door, Keypad/Card Reader on non-secure (pull) side unlocks, Card Reader on the secure side, AVA, Fail-Secure Electric Mortise Leverset.				
ENCLOSURE ITEMS				
12" X 12" X 4" Screw Cover Pull Box	generic	generic NEMA-1		1
NON-ENCLOSURE ITEMS				
Keypad / Card Reader Combination	HID	40NKS-03-0086UQ w/Ether Keys (ICE0052)	1	
Card Reader	HID	40NKS-03-0086UQ w/Ether Keys (ICE0052)	1	
Audio-Visual Annunciator (AVA)	Federal Signal	AV1-LED-02A	1	
Door Position Contact Switch	Magnosphere	HSS-L2C-101-GD	1	
Power Transfer	Roton	TBD	1	
End-of-line Resistor Pack	GRI	8644-1	2	
Electric Mortise Leverset, 24V DC Fail-Secure	Sargent / Schlage	TBD	1	
There is an AVA located on the Non-Secure Side				
There is an AVA located on the Secure Side				
There is a Camera dedicated to the credential reader on the Non-Secure Side				
There is a Camera dedicated to the credential reader on the Secure Side				



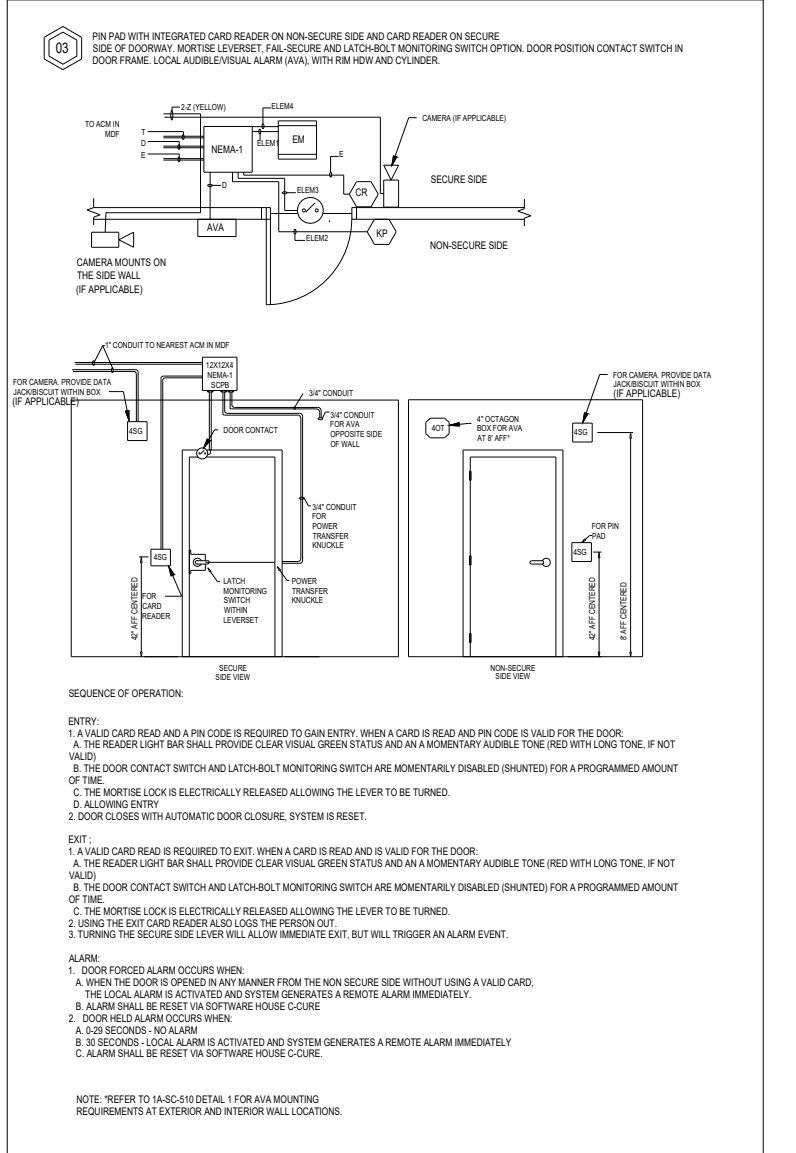
CABLE TYPES:

	DESCRIPTION	USE	SPECIFIC TYPE
A	#142 UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 767640
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSD. CAPACITANCE SHALL BE LESS THAN 10PF/PER FOOT. INTERIOR.	WCV-415110-400SDP
C	#222 UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL. INTERIOR.	BELDEN 6500UE OR WCV 443640
D	#142, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 442940
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER, POWER, WIEGAND, SIGNALS. INTERIOR.	WCV 444351-40
F	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET* FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCV 5566040
G	#144 SHIELDED, 7 STRAND, GEL-FILLED, TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
H	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCV 042007DB
I	#23 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL P-6 APPLICATIONS	BELDEN 2143A
J	COMPOSITE CABLE, (ELEM1) 4/C #18, (ELEM2) 3 PR. #22, (ELEM3) 2/C #22 AND (ELEM4) 4/C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCV 4461030
K	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND P-6	WCV 5566030

* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET, SPECIAL ORDER
** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

- LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:**
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
 - PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "PERSON DOOR HELD" CONDITIONS AS FOLLOWS:
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

- SECURITY NOTES:**
- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
 - CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
 - COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



1 Typical Details ACS Typical: Detail 03

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: _____ KD
Project Manager: _____ AK
Project Engineer: _____ KD

ENG. STAMP: _____ PERMIT TO PRACTICE

Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status: ISSUED FOR BID

Job Number: _____

Project: Client THE CLIENT
Project HUB AHEAD 4.0A (CLIENT OCCUPIED)
Location MULTIPLE LOCATIONS

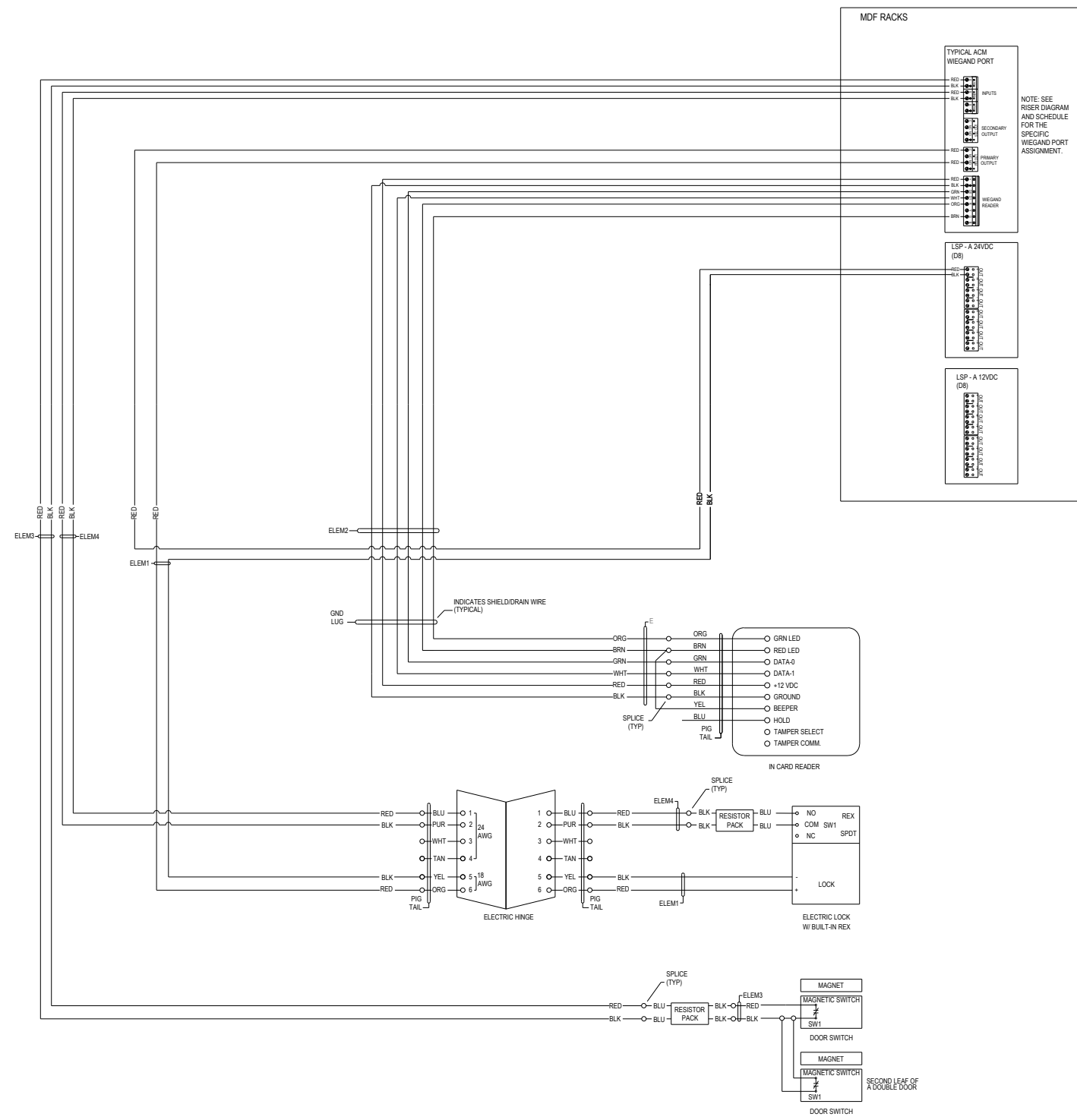
Title: Typical Details ACS Typical Detail 03

Scale @ ArchB: NTS Revision: 2

External Reference: _____

Drawing Number: T3-003

ENCLOSURE ITEMS	QUANTITY
12" X 12" X 4" Screw Cover Pull Box	1
NON-ENCLOSURE ITEMS	QUANTITY
Card Reader	1
Door Position Contact Switch	1
Power Transfer	1
Exit-line Resistor Pack	2
Panic Exit Device, with exterior 24VDC Electric Trim, with Internal REX switch	1
There is an AVA located on the Non-Secure Side	
There is an AVA located on the Secure Side	
There is a Camera dedicated to the credential reader on the Non-Secure Side	
There is a Camera dedicated to the credential reader on the Secure Side	



CABLE TYPES:

DESCRIPTION	USE	SPECIFIC TYPE
A #14Z UNSHELD, 19 STRAND, ORANGE JACKET*, PLENUM	LOCK 24VDC POWER AND AVA POWER, INTERIOR.	BELDEN 6100UE OR WCW 7579640
B #22 3-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET*, PLENUM	RS-485 DATA, KEYPAD OSDP. CAPACITANCE SHALL BE LESS THAN 16PI PER FOOT. INTERIOR.	WCW-415110-40OSDP
C #22/2 UNSHELD, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL, INTERIOR.	BELDEN 6500UE OR WCW 4423640
D #18Z UNSHELD, 7 STRAND, PLENUM	LOCK POWER, AVA POWER, INTERIOR.	BELDEN 6300UE OR WCW 4423640
E #20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS, INTERIOR.	WCW 444351-40
F #23 4-PAIR, UNSHELD, SOLID, PLENUM, ORANGE JACKET* FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA, INTERIOR.	WCW 5566040
Q #184 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUSPEAKER	BELDEN 5302F1
R 1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TWINED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCW 042070B
S #23 4-PAIR, UNSHELD, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL P/e APPLICATIONS	BELDEN 2143A
T COMPOSITE CABLE, (ELEM1) 4/C #18, (ELEM2) 3 PR. #22, (ELEM3) 2/C # 22 AND (ELEM4) 4/C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCW 4491030
Z #23 4-PAIR, UNSHELD, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND P/e	WCW 5566030

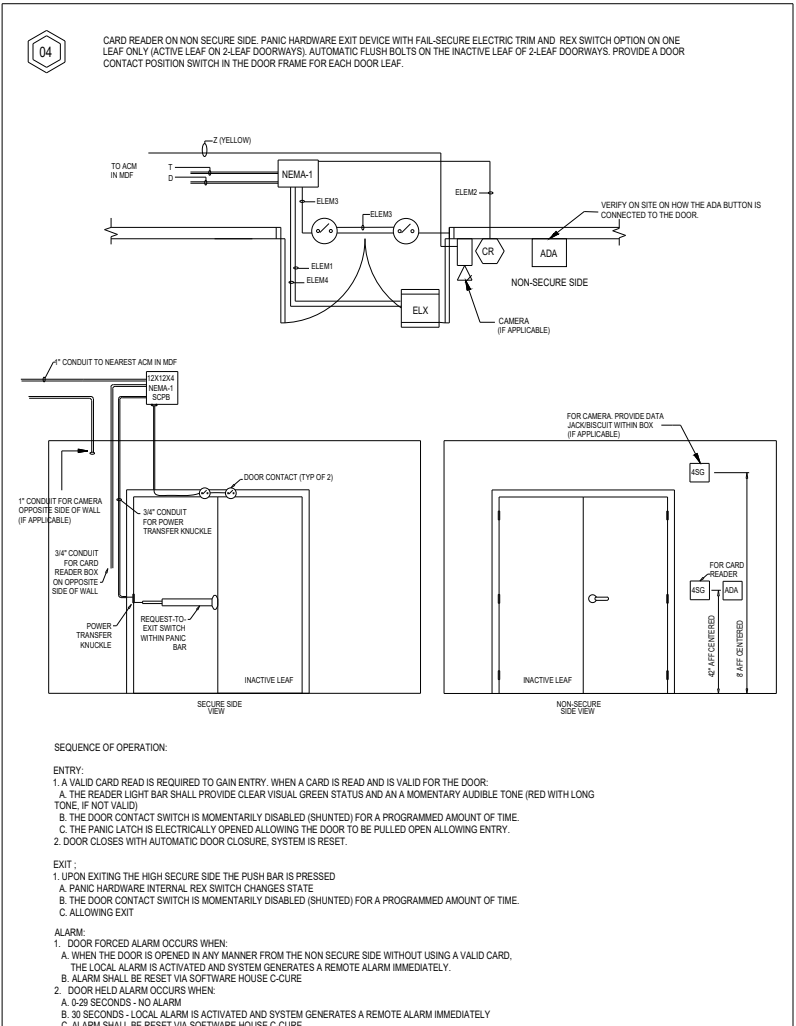
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET, SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "PERSON DOOR HELD" CONDITIONS AS FOLLOWS:
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP PERMIT TO PRACTICE

Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

Project: Client THE CLIENT
 Project HUB AHEAD 4.0A (CLIENT OCCUPIED)
 Location MULTIPLE LOCATIONS

Title: Typical Details ACS Typical Detail 04

Scale @ ArchB: NTS
 Revision: 2

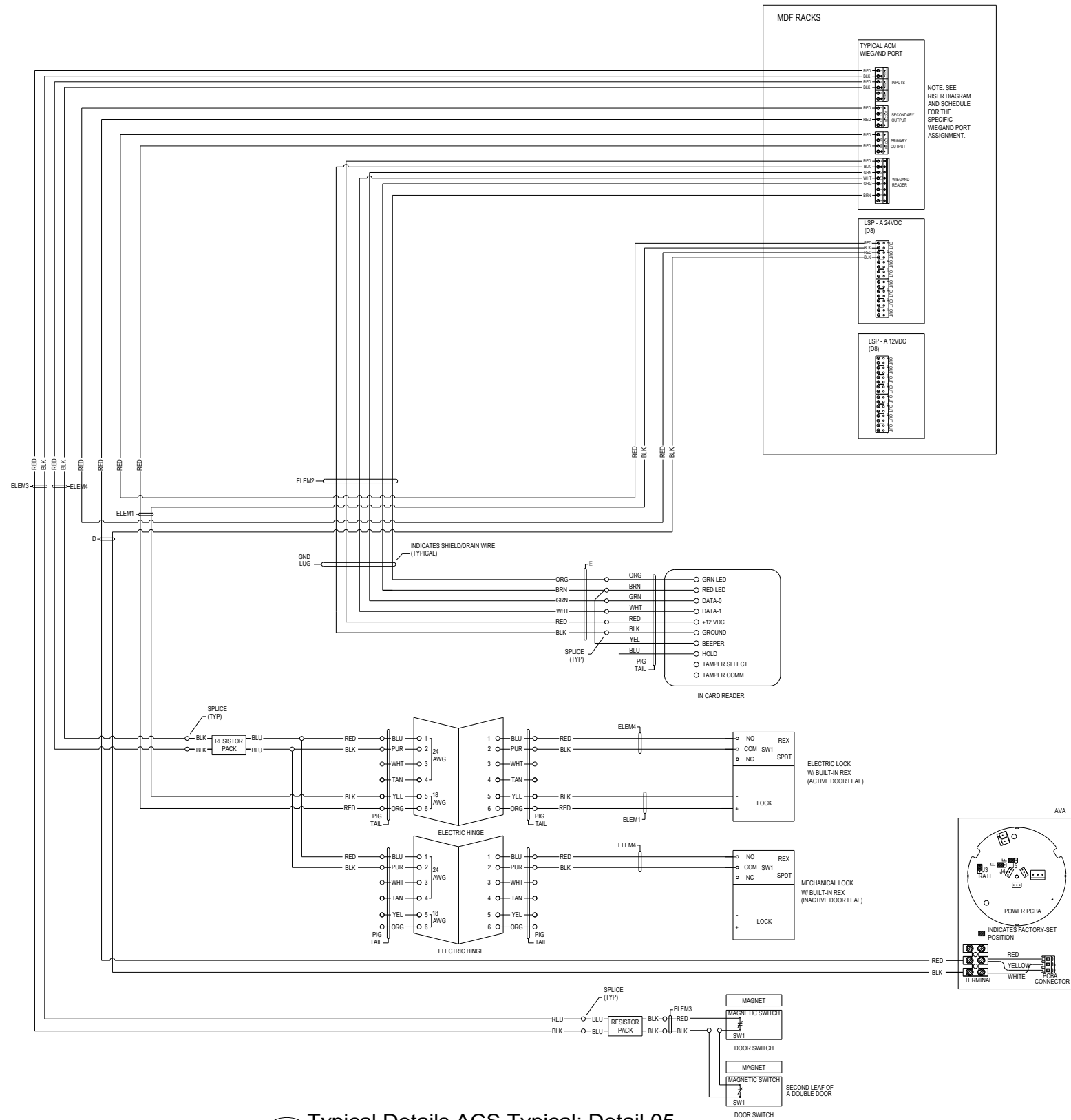
External Reference:

Drawing Number: T3-004

1 Typical Details ACS Typical: Detail 04

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

ENCLOSURE ITEMS	QUANTITY
12" X 12" X 4" Screw Cover Pull Box	1
NON-ENCLOSURE ITEMS	
Card Reader	1
Door Position Contact Switch	2
Audio-Visual Annunciator (AVA)	1
Power Transfer	1
End-of-line Resistor Pack	2
Panic Exit Device, with exterior 24VDC Electric Trim, with Internal REX switch	1
There is an AVA located on the Non-Secure Side	
There is an AVA located on the Secure Side	
There is a Camera dedicated to the credential reader on the Non-Secure Side	
There is a Camera dedicated to the credential reader on the Secure Side	



1 Typical Details ACS Typical: Detail 05

CABLE TYPES:

	DESCRIPTION	USE	SPECIFIC TYPE
A	#14Z UNSHEATHED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER, INTERIOR.	BELDEN 6300UE OR WCV 7579640
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDIP, CAPACITANCE SHALL BE LESS THAN 169PF PER FOOT, INTERIOR.	WCV-415110-400SDP
C	#22/UNSHEATHED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL, INTERIOR.	BELDEN 6500UE OR WCV 4443640
D	#18Z, UNSHEATHED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER, INTERIOR.	BELDEN 6300UE OR WCV 4423640
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER POWER, WIEGAND, SIGNALS, INTERIOR.	WCV 444351-40
F	#23 4-PAIR, UNSHEATHED, SOLID, PLENUM, ORANGE JACKET** FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA, INTERIOR.	WCV 5566040
Q	#184 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70W PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
R	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9615 OR WCV 042007DB
S	#23 4-PAIR, UNSHEATHED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL P&E APPLICATIONS	BELDEN 2143A
T	COMPOSITE CABLE, (ELEM1) 4C #18, (ELEM2) 3 PR #22, (ELEM3) 2C # 22 AND (ELEM4) 4C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCV 4481030
Z	#23 4-PAIR, UNSHEATHED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND P&E	WCV 5566030

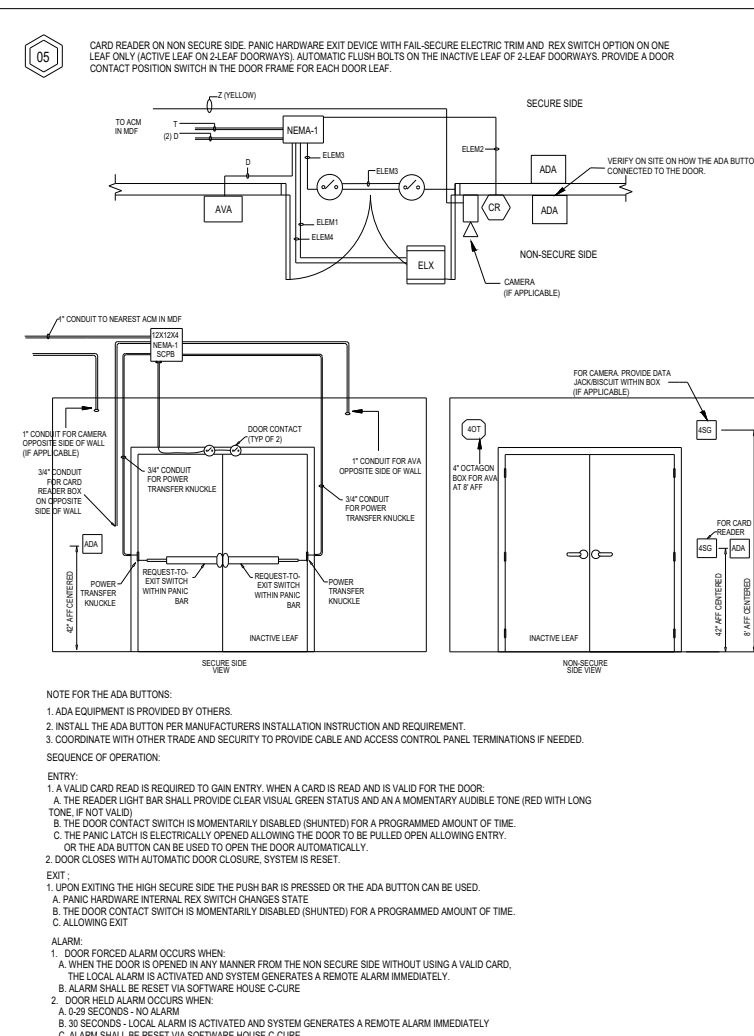
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET; SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "PERSON DOOR HELD" CONDITIONS AS FOLLOWS:
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

CUSTOMER:



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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP PERMIT TO PRACTICE

- Drawing Review Status:
- A - Approved
 - B - Approved with comments
 - C - Revised and resubmit
 - D - Reviewed
 - E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

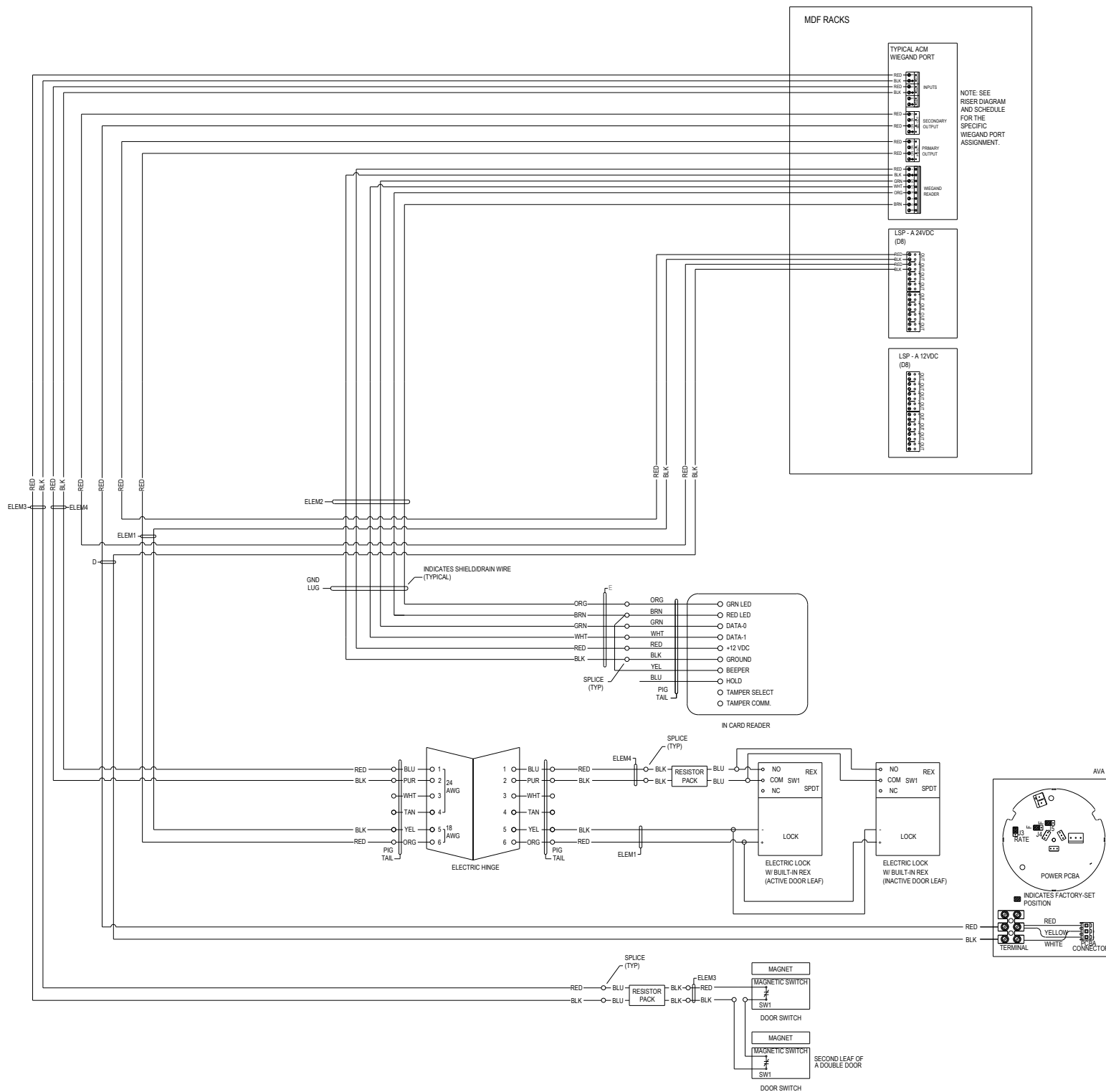
Title: Typical Details ACS Typical
 Detail 05

Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number: T3-005

ENCLOSURE ITEMS	QUANTITY
12" X 12" X 4" Screw Cover Pull Box	1
NON-ENCLOSURE ITEMS	QUANTITY
Card Reader	1
Door Position Contact Switch	2
Audio-Visual Annunciator (AVA)	1
Power Transfer	1
End-of-Line Resistor Pack	2
Panic Exit Device, with exterior 24VDC Electric Trim, with Internal REX switch	1
There is an AVA located on the Non-Secure Side	
There is an AVA located on the Secure Side	
There is a Camera dedicated to the credential reader on the Non-Secure Side	
There is a Camera dedicated to the credential reader on the Secure Side	



CABLE TYPES:

DESCRIPTION	USE	SPECIFIC TYPE
A #14/2 UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER, INTERIOR.	BELDEN 6300UE OR WCV 7679640
B #22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD QSCP. CAPACITANCE SHALL BE LESS THAN 18PF PER FOOT. INTERIOR.	WCV-415110-400SDP
C #22/2 UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL, INTERIOR.	BELDEN 6500UE OR WCV 4443640
D #18/2, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER, INTERIOR.	BELDEN 6300UE OR WCV 4423640
E #20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS. INTERIOR.	WCV 444351-40
F #22 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET** FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCV 5986040
Q #18/4 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
R 1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9615 OR WCV 042007DB
S #22 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL PAE APPLICATIONS	BELDEN 2143A
T COMPOSITE CABLE, (ELEM1) 4/C #18, (ELEM2) 3 PR #22, (ELEM3) 2/C #22 AND (ELEM4) 4/C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCV 4461030
Z #22 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND PAE	WCV 5986030

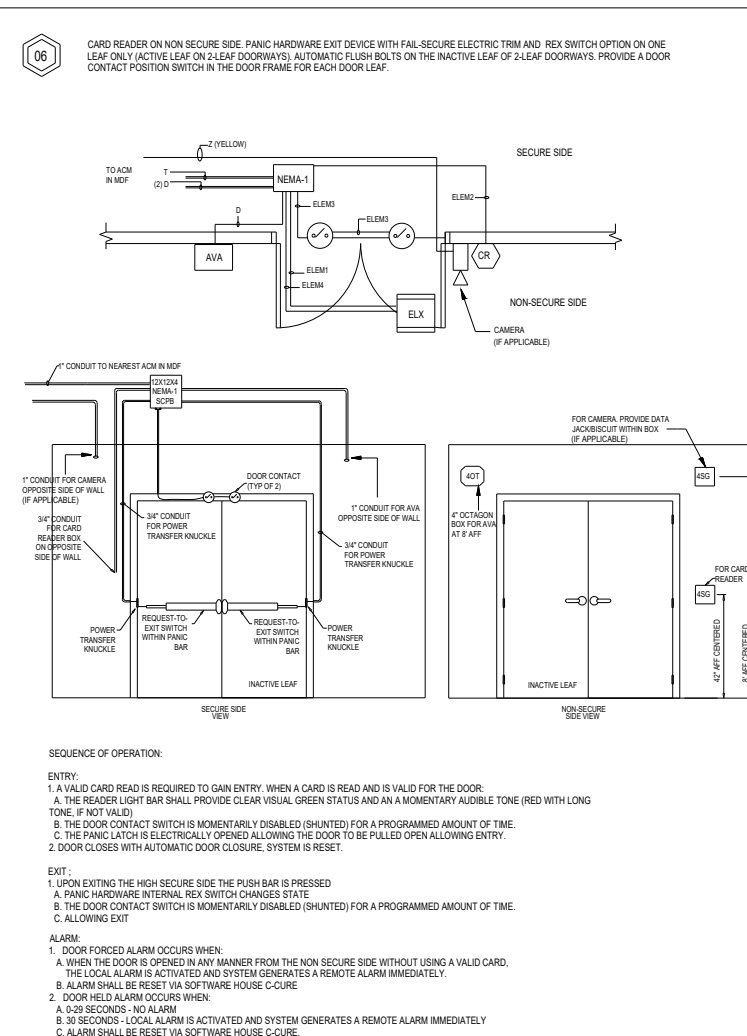
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET; SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "PERSON DOOR HELD" CONDITIONS AS FOLLOWS:
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

CUSTOMER:



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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP PERMIT TO PRACTICE

- Drawing Review Status:
- A - Approved
 - B - Approved with comments
 - C - Revise and resubmit
 - D - Reviewed
 - E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status

ISSUED FOR BID

Job Number

Project:

Client
THE CLIENT

Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

Location
MULTIPLE LOCATIONS

Title:

Typical Details ACS Typical
Detail 06

Scale @ ArchB:

Revision:

NTS

2

External Reference:

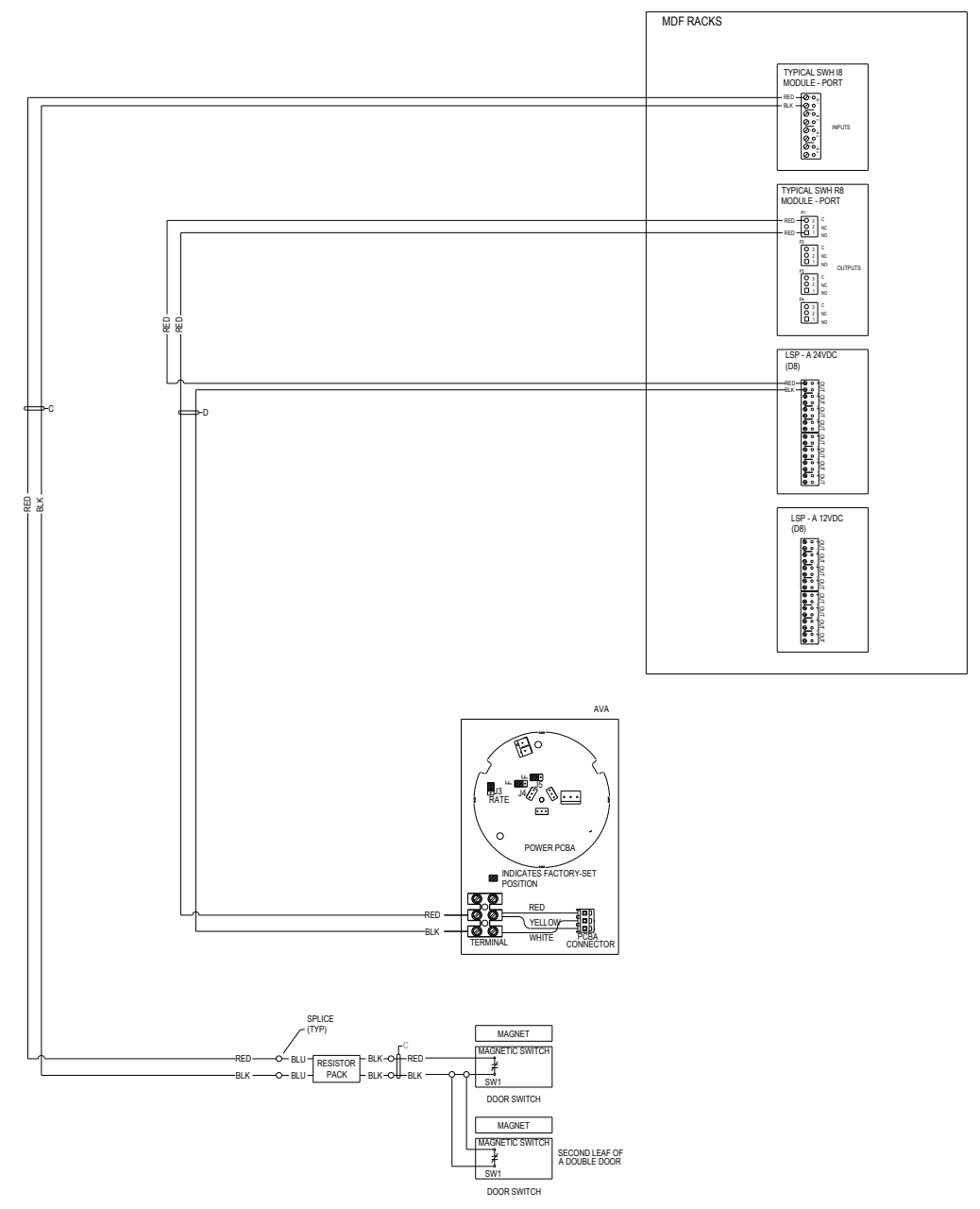
Drawing Number:

T3-006

1 Typical Details ACS Typical: Detail 06

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

SET No. 07	DESCRIPTION	QUANTITY
SET No. 07	SET DESCRIPTION: Double Door with Audio-Visual Alarm. Door position switch trips latching local audible and visual alarm, and reports event via C-Cure. Remote restoral of local alarm via C-Cure. Non-secure side AVA.	
ENCLOSURE ITEMS		
12" X 12" X 4" Screw Cover Pull Box	generic	1
NON-ENCLOSURE ITEMS		
Door Position Contact Switch	Magnehraph	MSS-301C-WG-GD 2
Audio-Visual Annunciator (AVA)	Federal Signal	AV1-LED-024A 1
End-of-Line Resistor Pack	GPR	0644-1 1
There is an AVA located on the Non-Secure Side		
There is an AVA located on the Secure Side		
There is a Camera dedicated to the credential reader on the Non-Secure Side		
There is a Camera dedicated to the credential reader on the Secure Side		



1 Typical Details ACS Typical: Detail 07

CABLE TYPES:

	DESCRIPTION	USE	SPECIFIC TYPE
A	#142 UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER INTERIOR.	BELDEN 6300UE OR WCW 7579640
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDP. CAPACITANCE SHALL BE LESS THAN 18PF PER FOOT. INTERIOR.	WCW-415110-40OSDP
C	#22 UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK, REX SIGNAL. INTERIOR.	BELDEN 6500UE OR WCW 4443640
D	#182, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER. INTERIOR.	BELDEN 6300UE OR WCW 4423640
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS. INTERIOR.	WCW 444351-40
F	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET* FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCW 5560540
Q	#184 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
R	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCW 042007DB
S	#23 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL P/A APPLICATIONS	BELDEN 2143A
T	COMPOSITE CABLE (ELEM1) 4C #18, (ELEM2) 3 PR. #22, (ELEM3) 2/C #22 AND (ELEM4) 4C #22	DOOR CONNECTIONS TO MDF MOUNTED ACMS	WCW 4461030
Z	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND P/A	WCW 5560530

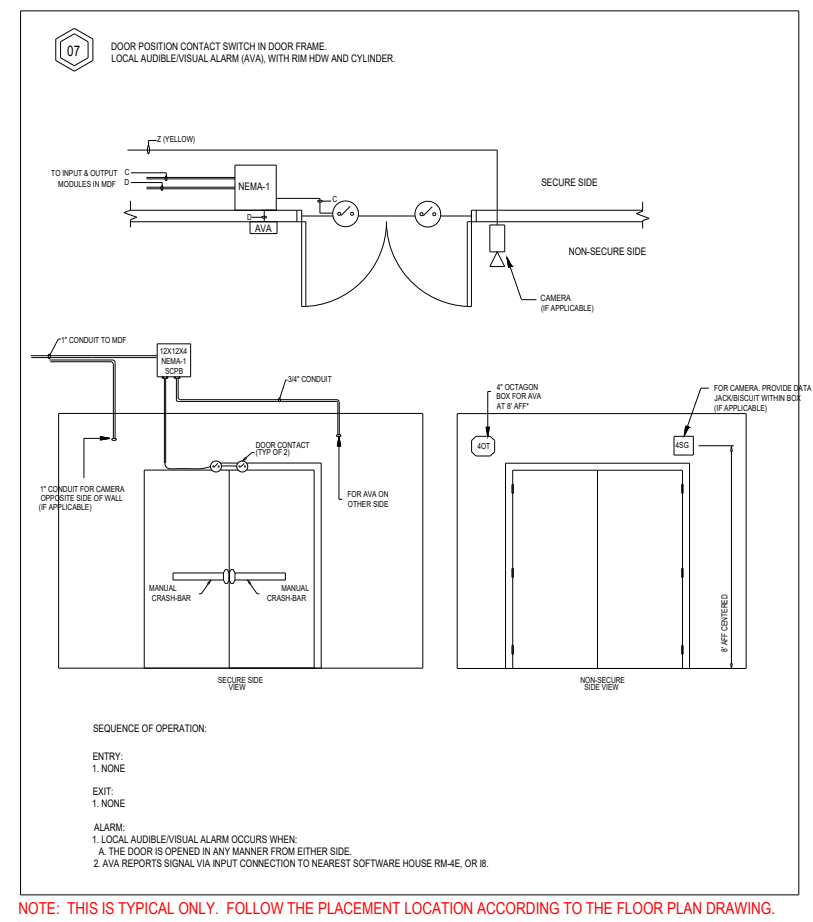
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET; SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 A. LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 B. ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: _____ KD
 Project Manager: _____ AK
 Project Engineer: _____ KD

ENG. STAMP PERMIT TO PRACTICE

Drawing Review Status:

- A - Approved
- B - Approved with comments
- C - Revise and resubmit
- D - Reviewed
- E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
ISSUED FOR BID

Job Number

Project: Client
THE CLIENT

Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

Location
MULTIPLE LOCATIONS

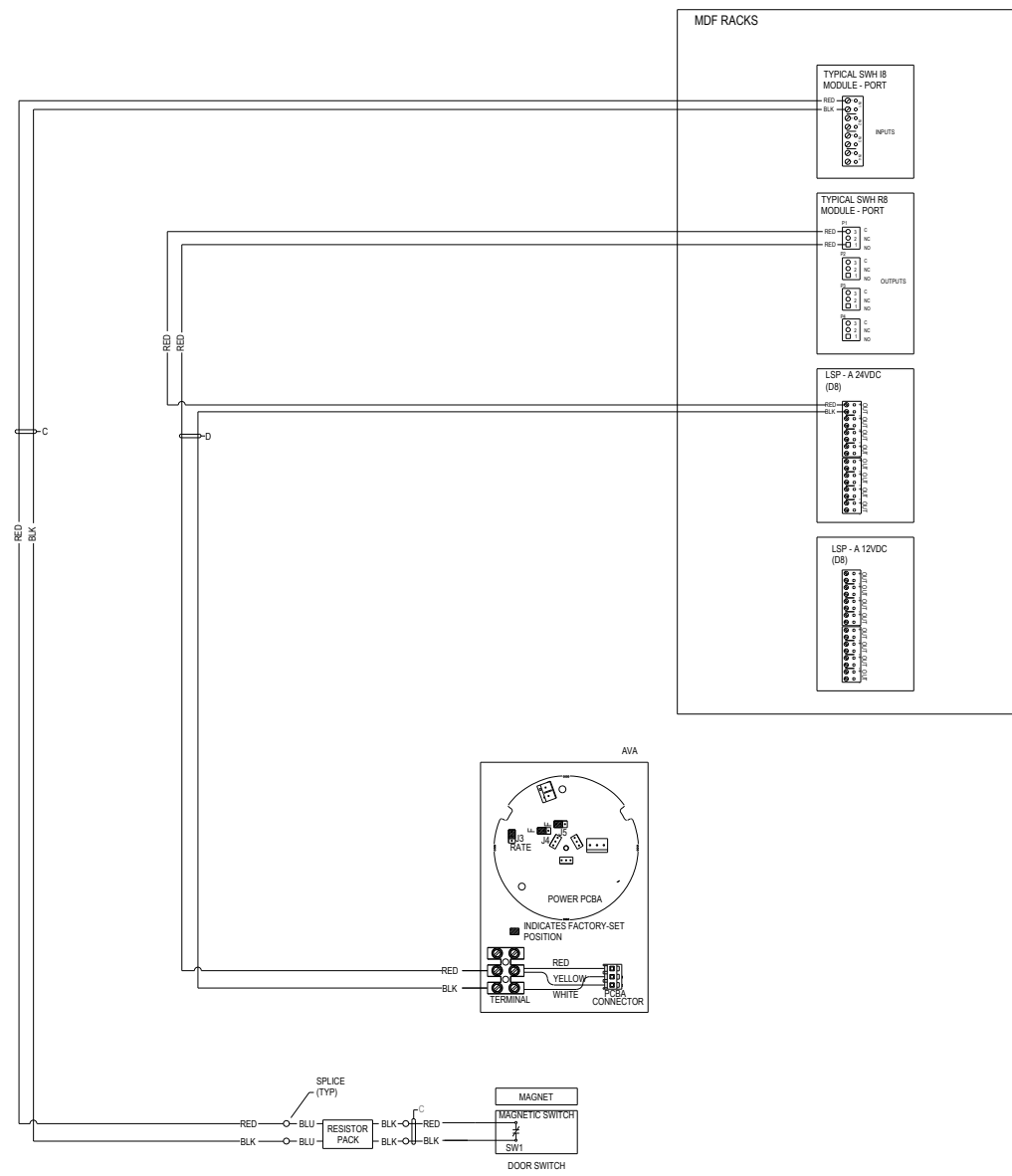
Title: Typical Details ACS Typical
Detail 07

Scale @ ArchB: NTS Revision: 2

External Reference:

Drawing Number: T3-007

ENCLOSURE ITEMS	QUANTITY
17" X 17" X 4" Server Rack Pull Box	1
Door Position Contact Switch	2
Audio Visual Annunciator (AVA)	1
End-of-line Resistor Pack	1
There is an AVA located on the Non-Secure Side	
There is an AVA located on the Secure Side	
There is a Camera dedicated to the credential reader on the Non-Secure Side	
There is a Camera dedicated to the credential reader on the Secure Side	



1 Typical Details ACS Typical: Detail 08

CABLE TYPES:

	DESCRIPTION	USE	SPECIFIC TYPE
A	#14Z UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 34VDC POWER AND AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 767940
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDP. CAPACITANCE SHALL BE LESS THAN 18PF PER FOOT. INTERIOR.	WCV-415110-400SDP
C	#22Z UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK REX SIGNAL. INTERIOR.	BELDEN 6500UE OR WCV 443640
D	#16Z, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER. INTERIOR.	BELDEN 6300UE OR WCV 4423640
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS. INTERIOR.	WCV 444351-40
F	#23 4-PAIR, UNSHIELDED, SOLID PLENUM, ORANGE JACKET FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCV 5569040
Q	#184 SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
R	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCV 042007DB
S	#23 4-PAIR, UNSHIELDED, SOLID GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL PoE APPLICATIONS	BELDEN 2143A
T	COMPOSITE CABLE, (ELEM1) 4/C #18, (ELEM2) 3 PR #22, (ELEM3) 2/C #22 AND (ELEM4) 4/C #22	DOOR CONNECTIONS TO MDF MOUNTED ACSMS	WCV 4461030
Z	#23 4-PAIR, UNSHIELDED, SOLID PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND PoE	WCV 5569030

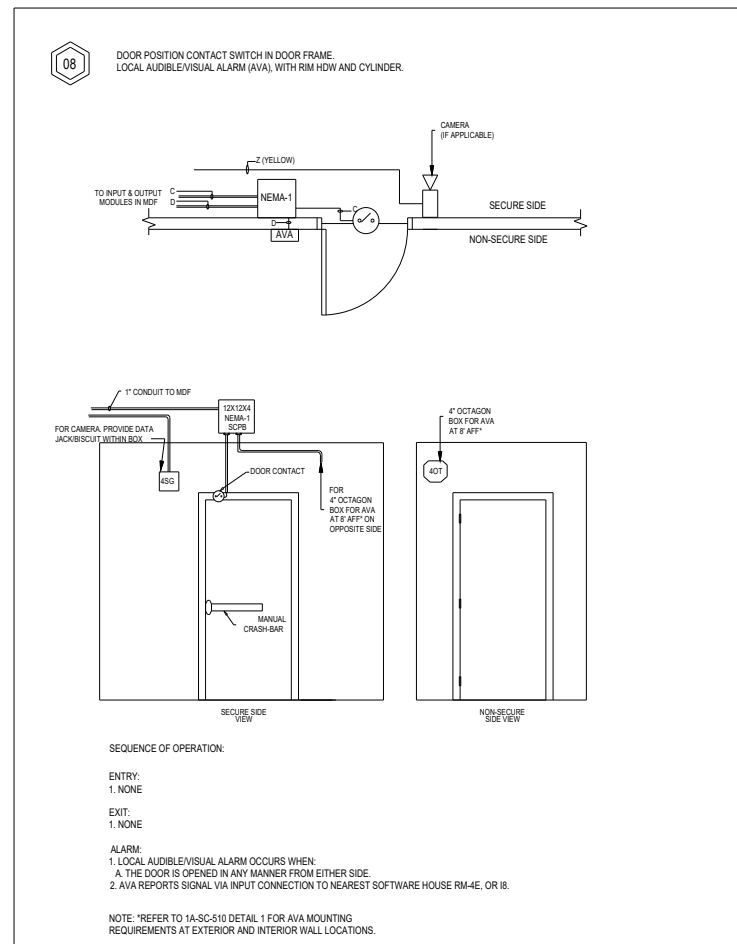
* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET, SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR 'DOOR FORCED' CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.

SECURITY NOTES:

- FOR CAMERAS LOCATED AT DOORS, PLACE CAMERA AT 8' AFF ABOVE CARD READER.
- CAMERAS SHOWN ON DOOR DETAILS ARE TO BE AIMED TO VIEW PERSON TAPPING CARD READER.
- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.



NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

CUSTOMER:



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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP PERMIT TO PRACTICE

- Drawing Review Status:
- A - Approved
 - B - Approved with comments
 - C - Revise and resubmit
 - D - Reviewed
 - E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title: Typical Details ACS Typical
 Detail 08

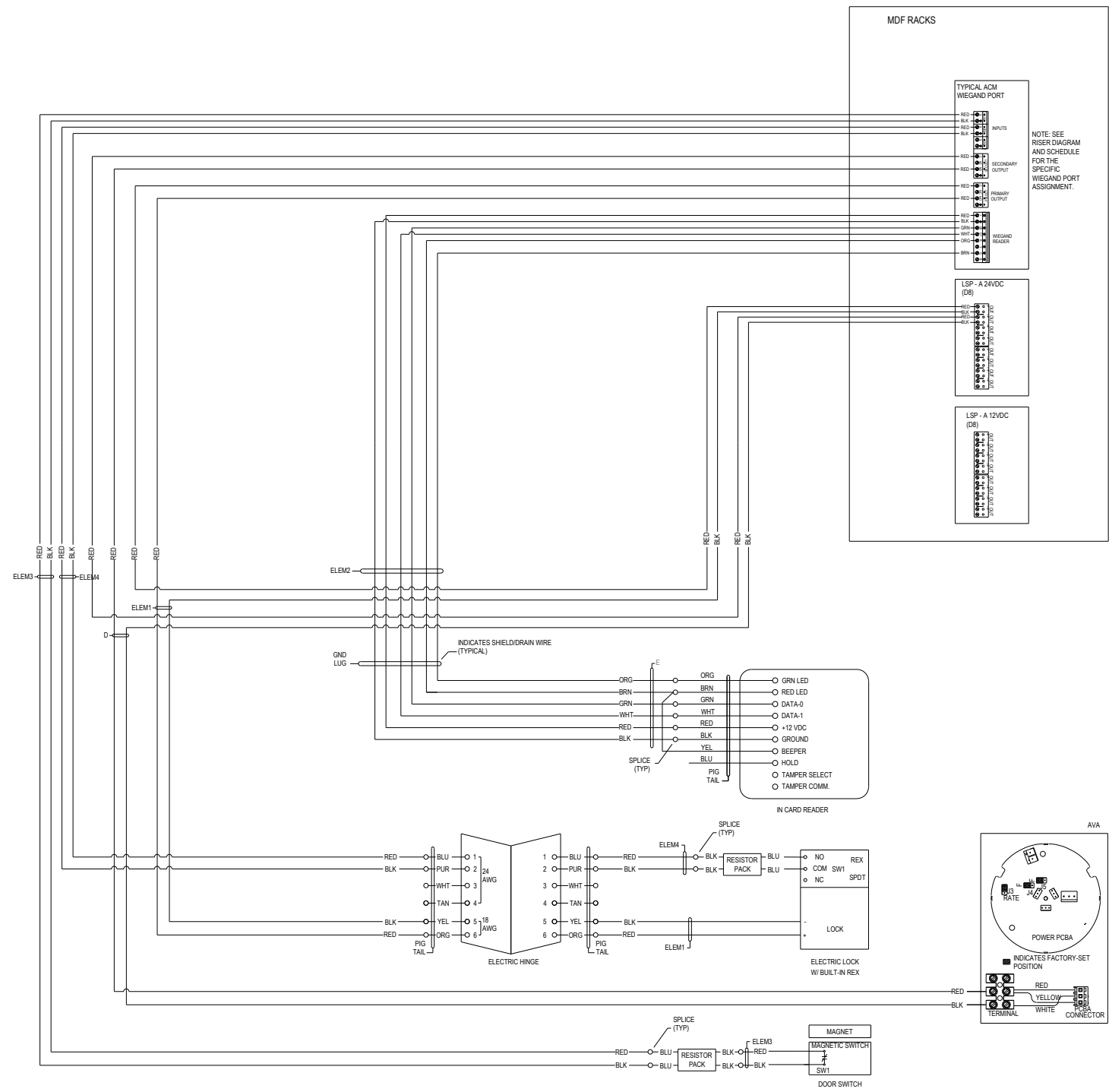
Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number:
 T3-008

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER	QUANTITY
SET No. 09				
SET DESCRIPTION: Single Door, Card Reader on non-secure (pull) side unlocks AVA, Electric Mortise Leverset with internal REX.				
ENCLOSURE ITEMS				
12" X 12" X 4" Screw Cover Pull Box	generic	generic	NEMA-1	1
NON-ENCLOSURE ITEMS				
Card Reader	HID	40KHS-03-0086UQ w/Elite Keys (IC20052)		1
Door Position Contact Switch	Magnasphere	MSS-301C-WG-GO		2
Audio-Visual Annunciator (AVA)	Federal Signal	AV1-LED-02MA		1
Power Transfer	Roton	TBD		1
End-of-line Resistor Pack	GRI	6544-1		2
Panic Exit Device, with exterior 24VDC Electric Trim, with internal REX switch	Sargent / Von Duprin	TBD		1
There is an AVA located on the Non-Secure Side				
There is an AVA located on the Secure Side				
There is a Camera dedicated to the credential reader on the Non-Secure Side				
There is a Camera dedicated to the credential reader on the Secure Side				



1 Typical Details ACS Typical: Detail 09

CABLE TYPES:

ITEM	DESCRIPTION	USE	SPECIFIC TYPE
A	#14Z UNSHIELDED, 19 STRAND, ORANGE JACKET, PLENUM	LOCK 24VDC POWER AND AVA POWER. INTERIOR.	BELDEN 6100UE OR WCW 7679640
B	#22 2-PAIR, LOW-CAPACITANCE RS-485, SHIELDED, 7 STRAND, ORANGE JACKET, PLENUM	RS-485 DATA, KEYPAD OSDP. CAPACITANCE SHALL BE LESS THAN 18P/PIER FOOT. INTERIOR.	WCW 415110-400SDP
C	#22Z UNSHIELDED, 7 STRAND, PLENUM	DPS CONTACTS, LOCK, REX SIGNAL. INTERIOR.	BELDEN 6500UE OR WCW 4443640
D	#18Z, UNSHIELDED, 7 STRAND, PLENUM	LOCK POWER, AVA POWER. INTERIOR.	BELDEN 6300UE OR WCW 4422640
E	#20, 3-PAIR, SHIELDED, 7 STRAND, PLENUM	CARD READER: POWER, WIEGAND, SIGNALS. INTERIOR.	WCW 444351-40
F	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, ORANGE JACKET* FOR SECURITY ACCESS CONTROL SYSTEM APPLICATION	BIO READERS, TRAKA. INTERIOR.	WCW 5566040
G	#18H SHIELDED, 7 STRAND, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR CARD READER, DIRECT-BURIAL AUDIO 70V PUBLIC ADDRESS LOUDSPEAKER	BELDEN 5302F1
H	1-PAIR #20 to #24 SHIELDED 7 STRAND LOW CAP TINNED, DIRECT BURIAL JACKET	DIRECT-BURIAL EXTERIOR ENCLOSURE TAMPER SWITCH	BELDEN 9815 OR WCW 042007DB
I	#23 4-PAIR, UNSHIELDED, SOLID, GEL-FILLED, DIRECT BURIAL JACKET	DIRECT-BURIAL CAMERA VIDEO, DIRECT-BURIAL INTERCOM, DIRECT-BURIAL P/e APPLICATIONS	BELDEN 2143A
J	COMPOSITE CABLE, (ELEM1) 4C #18, (ELEM2) 3 PR #22, (ELEM3) 2C # 22 AND (ELEM4) 4C #22	DOOR CONNECTIONS TO MDF MOUNTED ACS	WCW 4461030
K	#23 4-PAIR, UNSHIELDED, SOLID, PLENUM, YELLOW JACKET** FOR SECURITY VIDEO SYSTEM APPLICATION	CAMERA VIDEO AND P/e	WCW 5566030

* ALL CABLES PROVIDED AND INSTALLED FOR ACCESS CONTROL SYSTEM USE ARE TO HAVE A COLOR ORANGE OUTER JACKET. SPECIAL ORDER
 ** ALL CABLES PROVIDED AND INSTALLED FOR VIDEO SYSTEM USE ARE TO HAVE A COLOR YELLOW OUTER JACKET

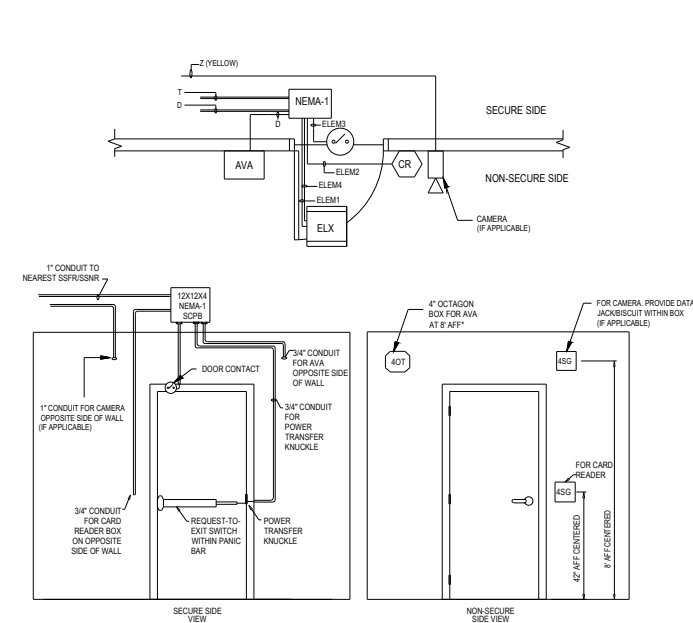
LOCAL AUDIBLE/VISUAL ALARMS (AVA's) PROGRAMMING REQUIREMENTS:

- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES FOR "DOOR FORCED" CONDITIONS AS FOLLOWS:
 - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE.
- PROGRAM LOCAL AUDIBLE/VISUAL ALARM (AVA) DEVICES CONDITIONS AS FOLLOWS:
 - PERSON DOOR HELD
 - 0-29 SECONDS - NO ALARM
 - 30 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE
 - MATERIAL DOOR HELD
 - 0-119 SECONDS - NO ALARM
 - 120 SECONDS - LOCAL ALARM IS ACTIVATED AND SYSTEM GENERATES A REMOTE ALARM IMMEDIATELY
 - ALARM SHALL BE RESET VIA SOFTWARE HOUSE C-CURE

SECURITY NOTES:

- COORDINATE ROUGH-IN WITH DOOR HARDWARE CONTRACTOR.

09 CARD READER ON NON SECURE SIDE, PANIC HARDWARE EXIT DEVICE WITH FAIL-SECURE ELECTRIC TRIM AND INTERNAL REX SWITCH OPTION, DOOR POSITION CONTACT SWITCH IN DOOR FRAME, SECURE SIDE LEVER FREE FOR EGRESS.



- SEQUENCE OF OPERATION:**
- ENTRY:**
- A VALID CARD READ IS REQUIRED TO GAIN ENTRY. WHEN A CARD IS READ AND IS VALID FOR THE DOOR:
 - THE READER LIGHT BAR SHALL PROVIDE CLEAR VISUAL GREEN STATUS AND AN A MOMENTARY AUDIBLE TONE (RED WITH LONG TONE, IF NOT VALID).
 - THE DOOR CONTACT SWITCH IS MOMENTARILY DISABLED (SHUNTED) FOR A PROGRAMMED AMOUNT OF TIME.
 - THE PANIC LATCH IS ELECTRICALLY OPENED ALLOWING THE LEVER TO BE TURNED.
 - ALLOWING ENTRY
 - DOOR CLOSURES WITH AUTOMATIC DOOR CLOSURE, SYSTEM IS RESET.
- EXIT:**
- UPON EXITING THE HIGH SECURE SIDE THE PUSH BAR IS PRESSED
 - PANIC HARDWARE INTERNAL REX SWITCH CHANGES STATE
 - THE DOOR CONTACT SWITCH IS MOMENTARILY DISABLED (SHUNTED) FOR A PROGRAMMED AMOUNT OF TIME.
 - ALLOWING EXIT

- ALARM:**
1. DOOR FORCED ALARM OCCURS WHEN:
- DOOR IS OPENED IN ANY MANNER FROM THE NON SECURE SIDE WITHOUT USING A VALID CARD.
 - DOOR HELD ALARM OCCURS WHEN:
 - WHEN THE DOOR IS HELD OPEN FOR A TIME PERIOD GREATER THAN THE PROGRAMMED AMOUNT OF TIME.

NOTE: REFER TO 44-SC-804, DETAILS 1 AND 2 FOR AVA MOUNTING REQUIREMENTS AT EXTERIOR AND INTERIOR WALL LOCATIONS.

NOTE: THIS IS TYPICAL ONLY. FOLLOW THE PLACEMENT LOCATION ACCORDING TO THE FLOOR PLAN DRAWING.

ELECTRICAL CONTRACTOR TO FIELD VERIFY ROUGH-IN REQUIREMENTS.

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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP PERMIT TO PRACTICE

Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title: Typical Details ACS Typical
 Detail 09

Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number: T3-009

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2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP	PERMIT TO PRACTICE

Drawing Review Status:
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 D - Reviewed
 E - Rejected

Reviewer: Date:

Drawing Issue Status
 ISSUED FOR BID
 Job Number

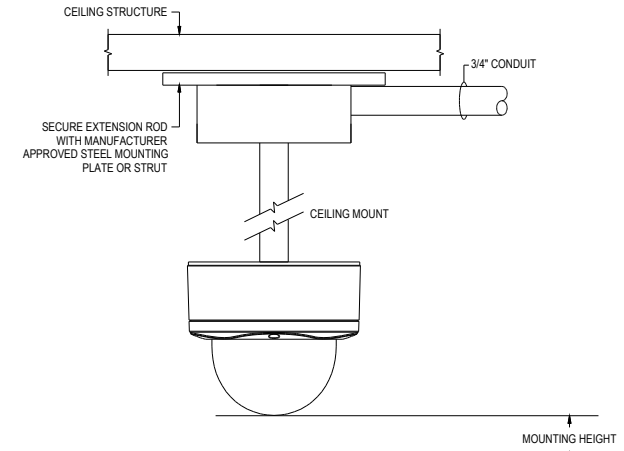
Project:
 Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title:
 Typical Details CCTV Mounting Typical Details

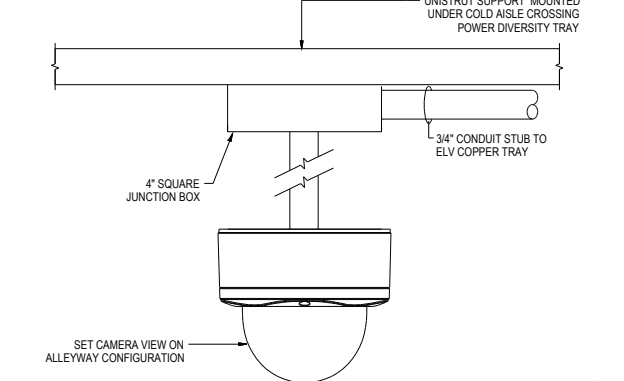
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External Reference:

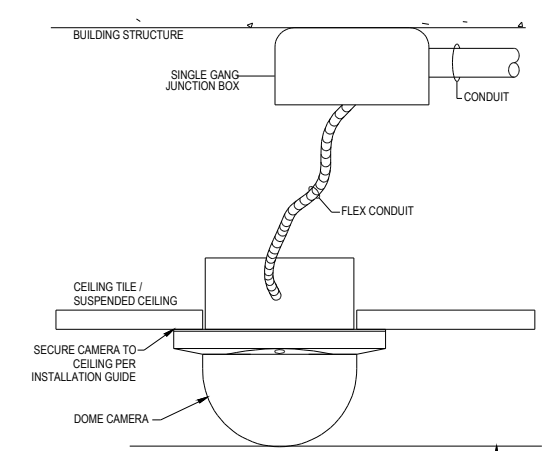
Drawing Number:
 T3-011



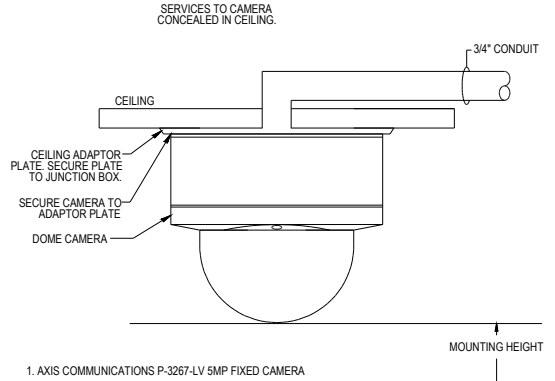
D1 DROP MOUNT 1 - INTERIOR FIXED DROP/PENDANT CAMERA MOUNT
 SCALE: 1" = 1'-0"



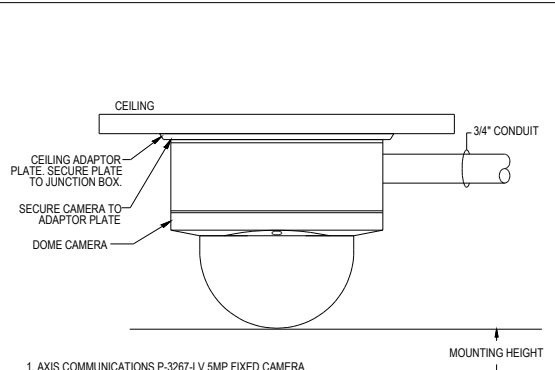
U1 UNISTRUT MOUNT 1 - INTERIOR UNI-STRUT FIXED CAMERA MOUNT
 SCALE: 1" = 1'-0"



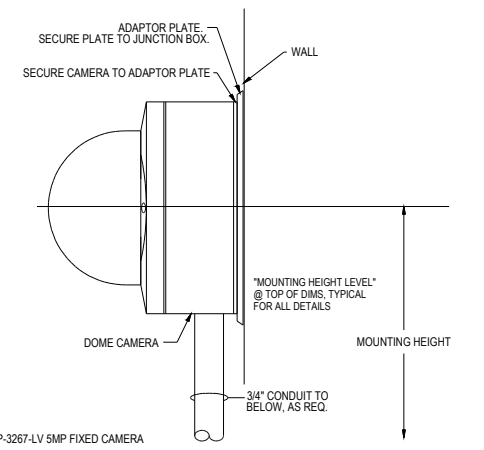
C1 CEILING MOUNT 1 - INTERIOR CEILING MOUNT, FIXED CAMERA, ACOUSTICAL CEILING
 SCALE: 1" = 1'-0"



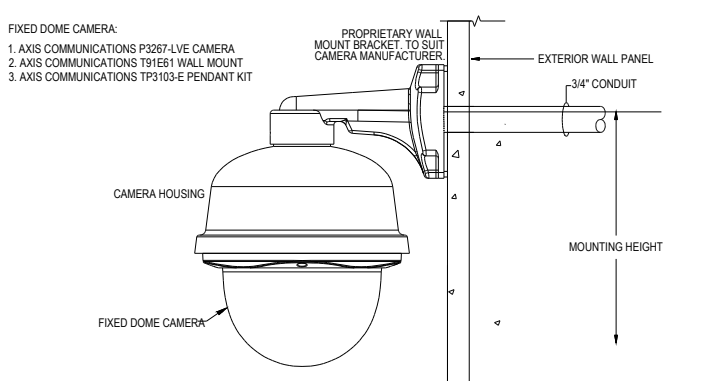
C2 CEILING MOUNT 2 - INTERIOR CEILING MOUNT, FIXED CAMERA, GYPSUM BD CEILING
 SCALE: 1" = 1'-0"



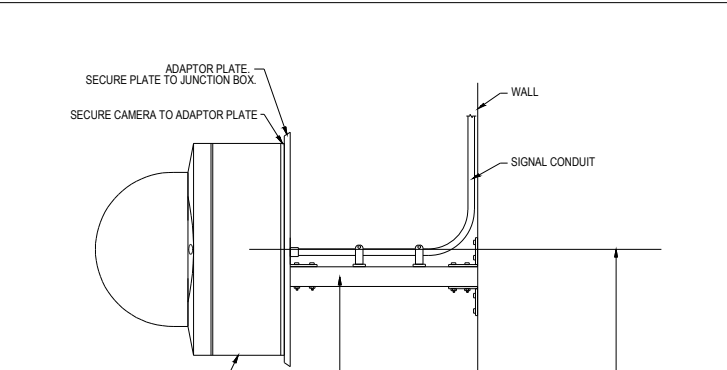
C3 CEILING MOUNT 3 - INTERIOR CEILING/SURFACE MOUNT, FIXED CAMERA
 SCALE: 1" = 1'-0"



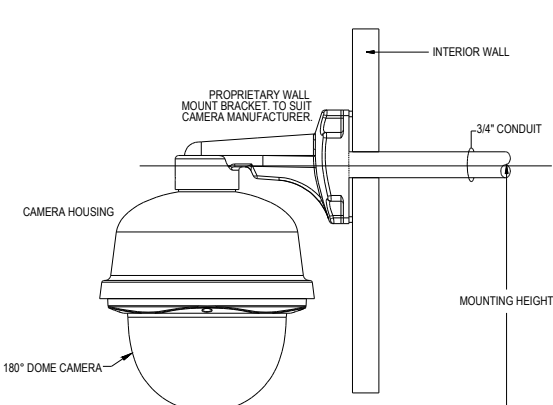
W4 WALL MOUNT 4 - INTERIOR WALL FIXED CAMERA MOUNT w/ EXPOSED CONDUIT
 SCALE: 1" = 1'-0"



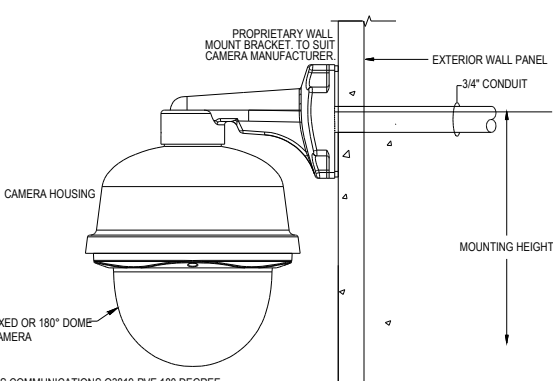
W5 WALL MOUNT 5 - EXTERIOR WALL FIXED
 SCALE: 1" = 1'-0"



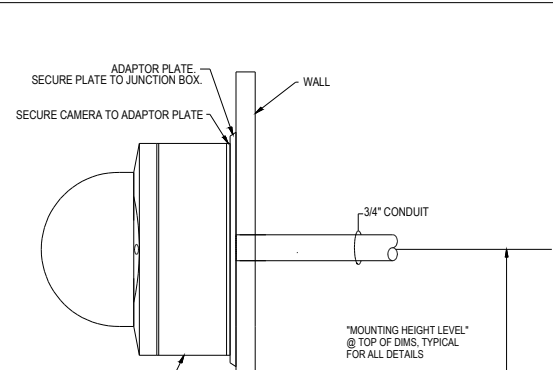
W6 WALL MOUNT 6 - INTERIOR WALL FIXED CAMERA MOUNT WITH BRACKET
 SCALE: 1" = 1'-0"



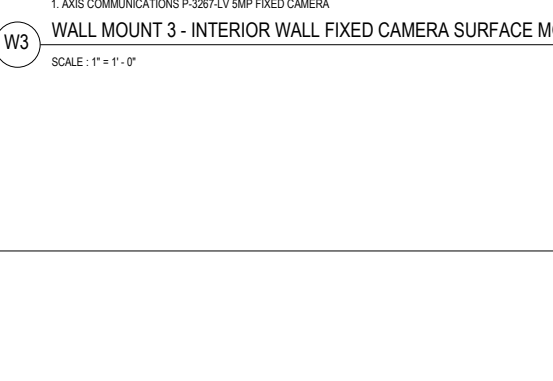
W1 WALL MOUNT 1 - INTERIOR WALL 180° CAMERA MOUNT
 SCALE: 1" = 1'-0"



W2 WALL MOUNT 2 - EXTERIOR WALL 180° CAMERA MOUNT
 SCALE: 1" = 1'-0"



W3 WALL MOUNT 3 - INTERIOR WALL FIXED CAMERA SURFACE MOUNT
 SCALE: 1" = 1'-0"



W1 WALL MOUNT 1 - INTERIOR WALL 180° CAMERA MOUNT
 SCALE: 1" = 1'-0"

CUSTOMER:



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Keyplan:

Notes:

1. DETAIL 1 & 2 ARE NOT REQUIRED FOR PHASE 2 AND 3.
2. DETAIL 1 & 2 ARE THE COMBINATION CAMERA AND LIGHT POLE ON ALL POLES RECEIVING CAMERAS.
3. DETAIL 1 WITH THE POLE-MOUNTED SECURITY ENCLOSURE AT EACH FIXED CAMERA POLE SHALL RECEIVE 12-STRANDS OF SINGLE-MODE OUTDOOR FIBER (FROM THE SPLICE ENCLOSURE) AND 120V SINGLE PHASE POWER.
4. DETAIL 2 WITH THE SECURITY CAMERAS ONLY SHALL CONNECT TO THE NETWORK SWITCH VIA CAT6 CABLES IN THE SFE OF DETAIL 1, IF THE POLES ARE WITHIN 250' APART.

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP	PERMIT TO PRACTICE
------------	--------------------

Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: Date:

Drawing Issue Status
 ISSUED FOR APPROVAL

Job Number

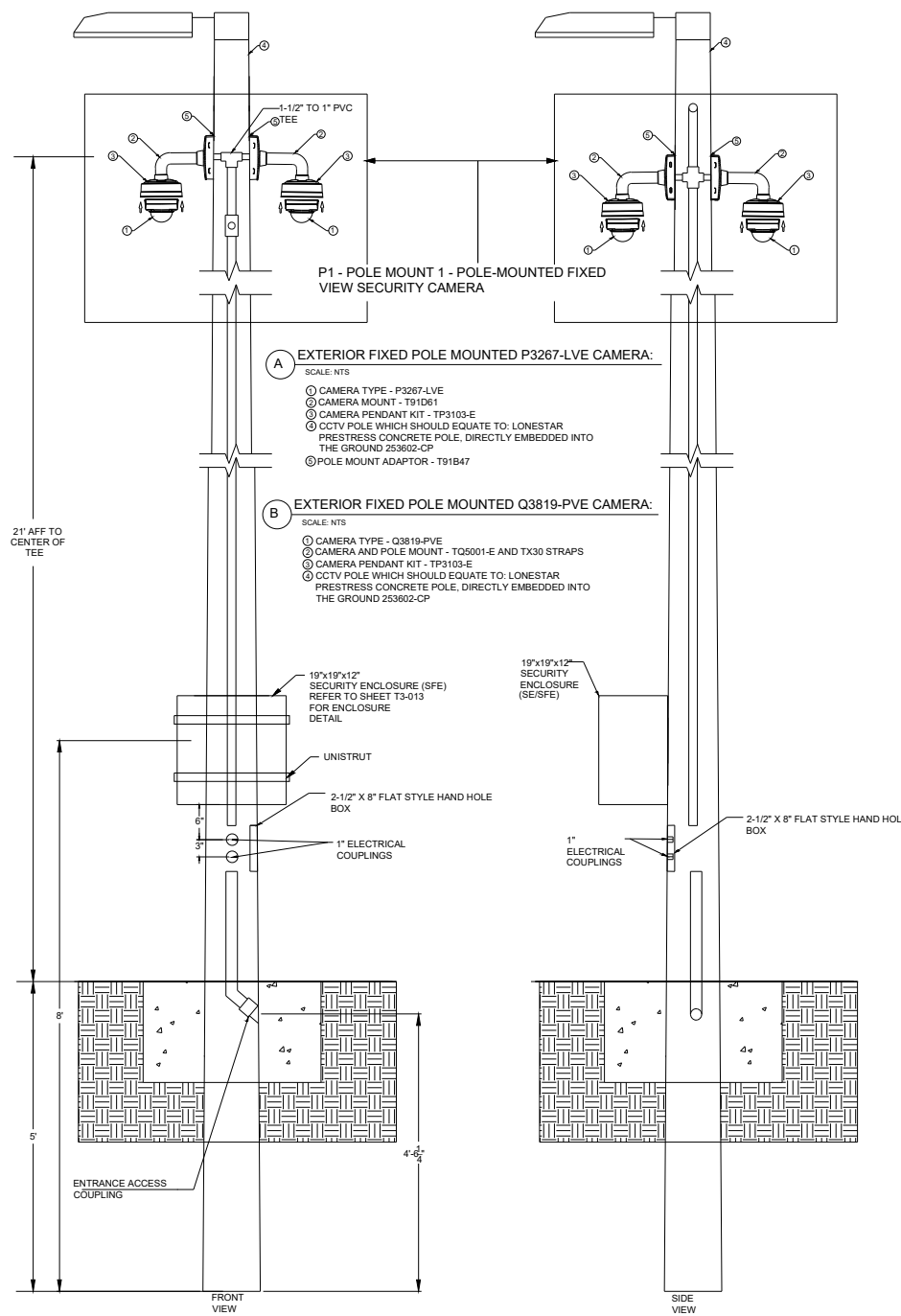
Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title: Typical Details CCTV Pole A
 & Rough-in Boxes Typical Details

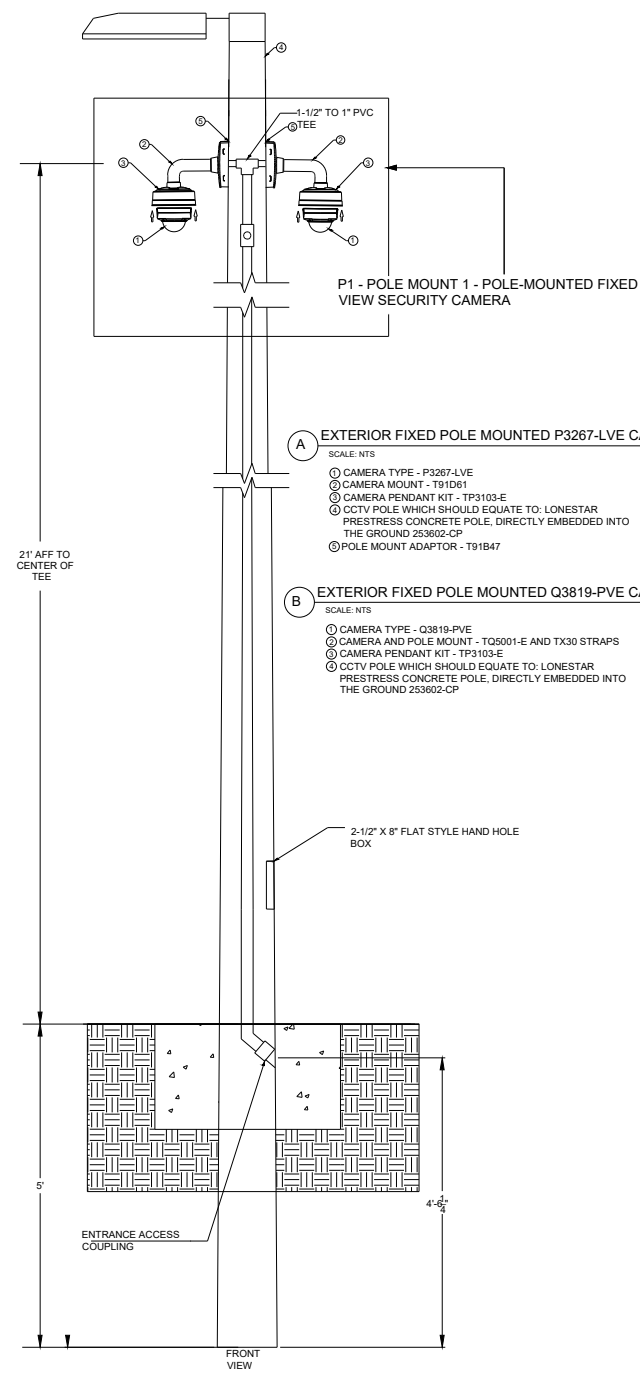
Scale @ ArchB: Revision:
 NTS 2

External Reference:

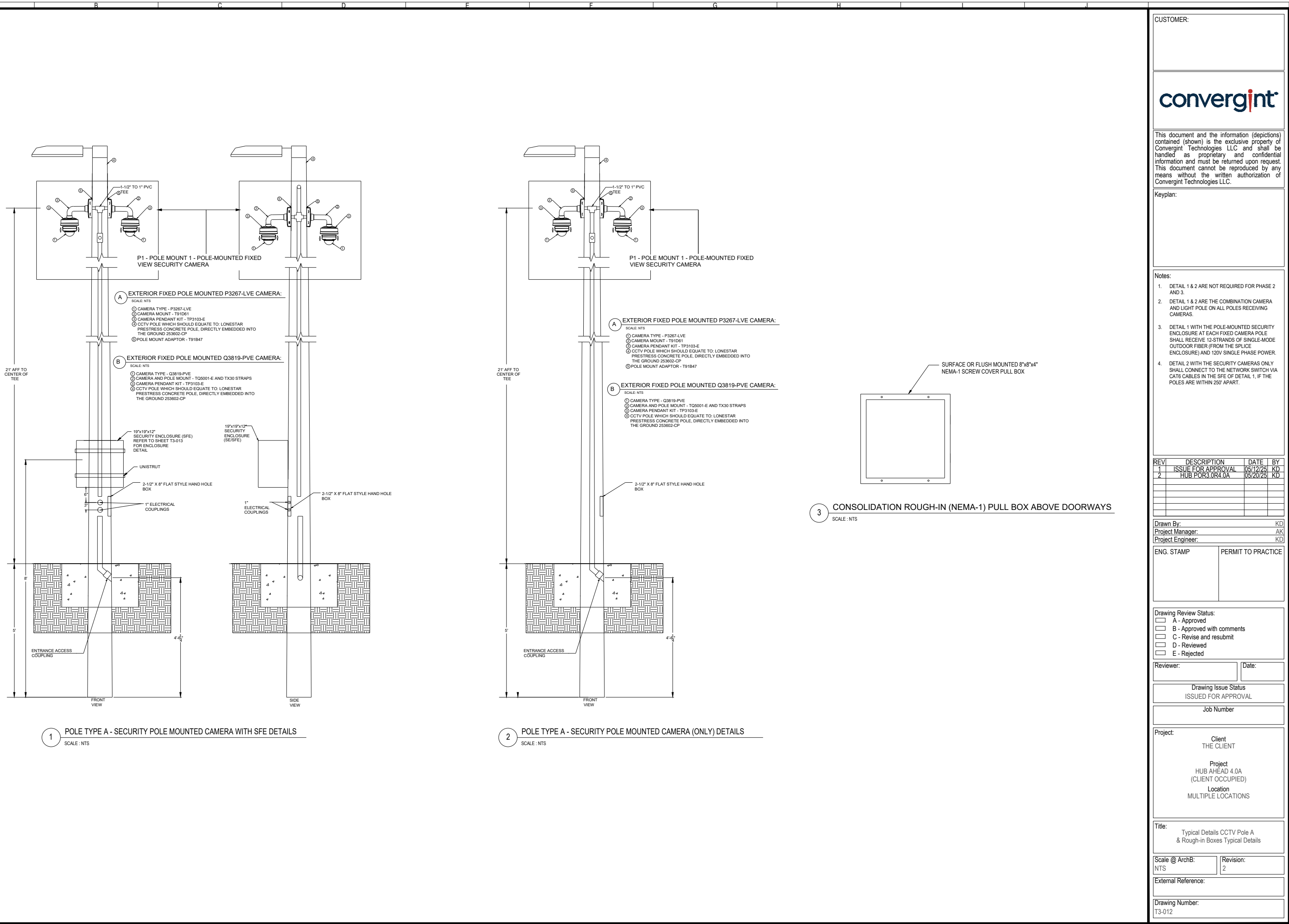
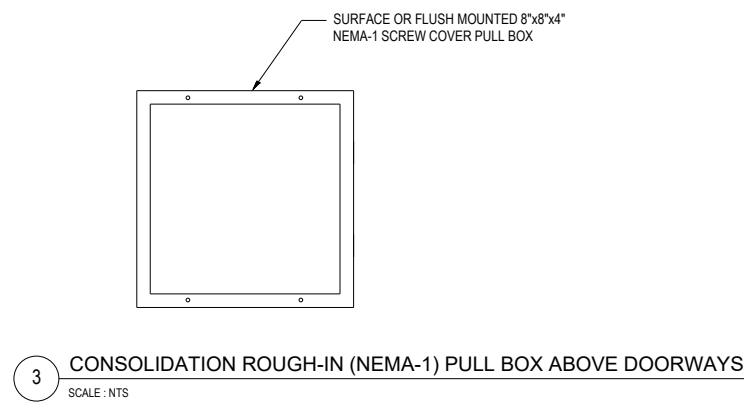
Drawing Number:
 T3-012



1 POLE TYPE A - SECURITY POLE MOUNTED CAMERA WITH SFE DETAILS
 SCALE: NTS



2 POLE TYPE A - SECURITY POLE MOUNTED CAMERA (ONLY) DETAILS
 SCALE: NTS



CUSTOMER:



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Keyplan:

Notes:

1. THIS SHEET IS NOT REQUIRED FOR PHASE 2 AND 3.
2. COPPER CONNECTION OF CAMERAS BETWEEN CAMERA POLES ONLY OCCURS IF CAMERA POLES ARE LESS THAN 250 FEET APART AND UNDERGROUND RACEWAYS BETWEEN POLES ARE IN A STRAIGHT LINE.

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: KD
 Project Manager: AK
 Project Engineer: KD

ENG. STAMP	PERMIT TO PRACTICE
------------	--------------------

Drawing Review Status:
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Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID
 Job Number

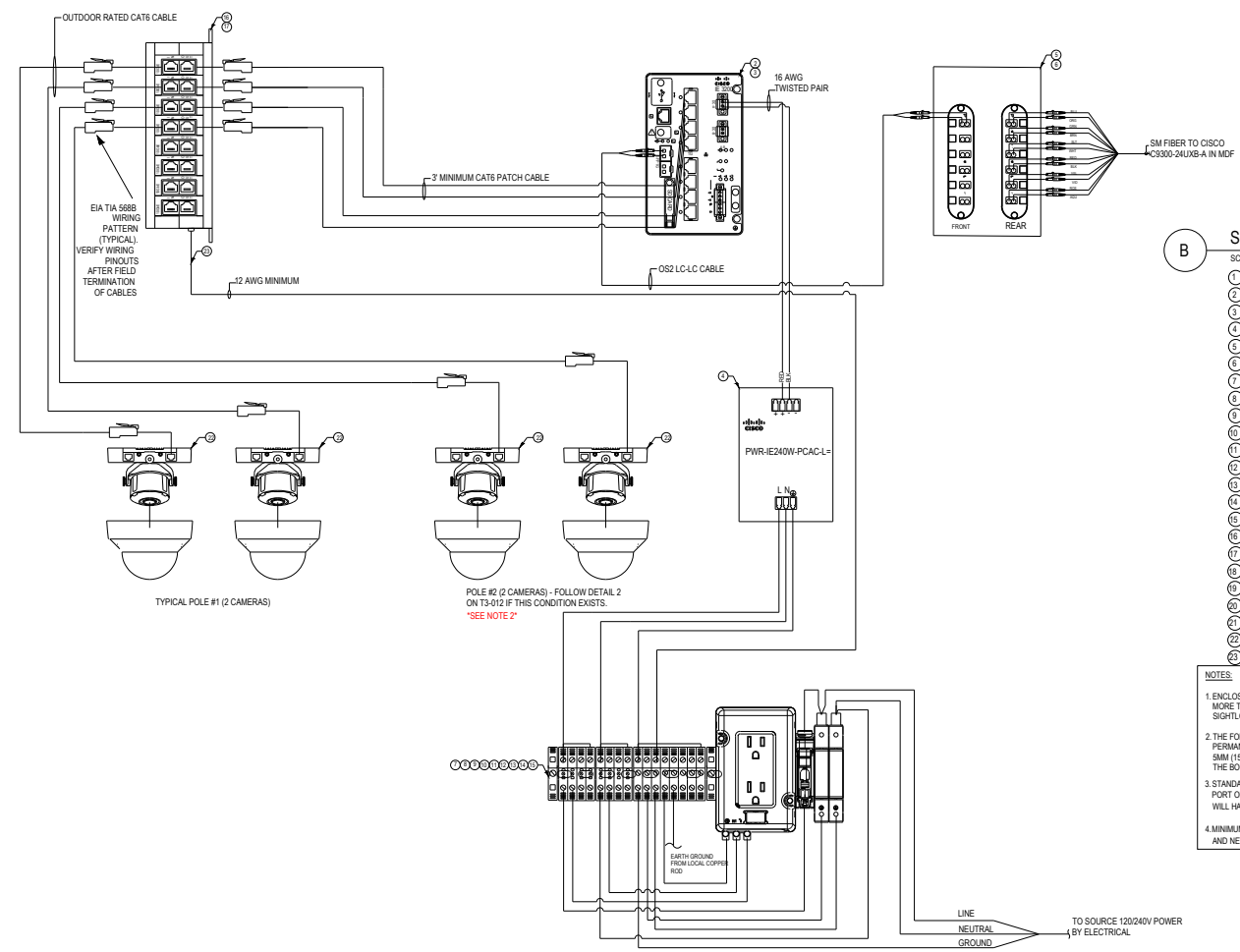
Project:
 Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title:
 Typical Details CCTV SFE Enclosure Layout & Wiring

Scale @ ArchB: Revision:
 NTS 2

External Reference:

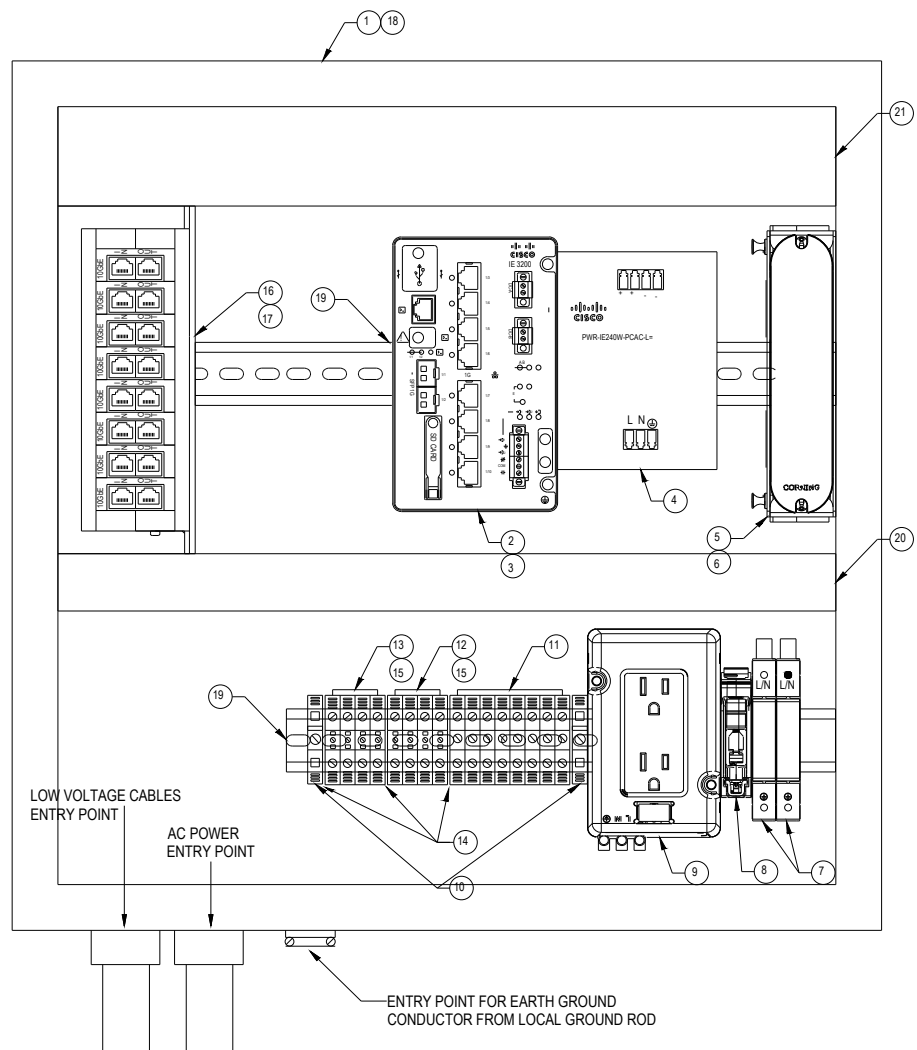
Drawing Number:
 T3-013



1 SFE ENCLOSURE WIRING DIAGRAM 4 CAMERAS DETAIL
 SCALE: NTS

B SFE ENCLOSURE LAYOUT 2 CAMERAS

- SCALE: NTS
1. ARMORLOGIX AL191912N 19" x 19" x 12" NEMA 3R ALUMINUM WEATHERPROOF ENCLOSURE
 2. CISCO IE-3200-8P25-E INDUSTRIAL ETHERNET 3200 SERIES SWITCH 16 PORTS MANAGED
 3. CISCO GLC-LX-SM-RGD RUGGED SFP MODULE
 4. CISCO PWR-E240W-PCAC-L 240W AC POWER SUPPLY
 5. CORNING SP4-DIP PATCH PANEL WITH CD4-CP12-A3 PATCH PANEL INSERT
 6. CORNING SP4-DIP KIT DIN RAIL BRACKET
 7. ALLEN-BRADLEY 4883-DS120-801 DIN RAIL SURGE
 8. ALLEN-BRADLEY 1489-M10150 15A CIRCUIT BREAKER
 9. ALLEN-BRADLEY 1482-REC15G DIN RAIL DUPLEX GFCI
 10. ALLEN-BRADLEY 1482-6A35 TERMINAL BLOCK GROUNDING
 11. ALLEN-BRADLEY 1482-J4-W TERMINAL BLOCK WHITE
 12. ALLEN-BRADLEY 1482-J4-BL TERMINAL BLOCK BLACK
 13. ALLEN-BRADLEY 1482-EBJ3 TERMINAL BLOCK END BARRIER
 14. ALLEN-BRADLEY 1482-J4-6-Screw Center Jumper - 4-POLE
 15. DITEK DTK-WMNETS POE SURGE SUPPRESSOR
 16. 3" x 3" x 1/8" ALUMINUM ANGLE
 17. ARMORLOGIX ALHANDLE-P PADLOCKABLE HANDLE
 18. ALLEN-BRADLEY 186-DR1 DIN RAIL
 19. PANDUIT FX1ALG6 1"x4" PLASTIC WIRE TROUGH WITH C2LG6 COVER
 20. PANDUIT FX2ALG6 2"x4" PLASTIC WIRE TROUGH WITH C2LG6 COVER
 21. AXIS P3287-LVE SMP FIXED DOME CAMERA, WOR (OUTDOOR)
 22. RING TERMINAL LUG (example is Hollingsworth R34568) FOR GROUNDING CISCO
- NOTES:
1. ENCLOSURE WILL SUPPORT A MAX OF (8) EIGHT NETWORK DEVICES THAT DO NOT REQUIRE MORE THAN 30W OF POE POWER. THIS ENCLOSURE WILL NOT SUPPORT P1Z OR SIGHTLOOK CAMERAS.
 2. THE FOLLOWING INSTALLATION CLEARANCES MUST BE KEPT WHEN POWER SUPPLIES ARE PERMANENTLY LOADED WITH MORE THAN 50% OF THE NOMINAL CURRENT: LEFT: RIGHT: 5MM (1/8MM) IN CASE THE ADJACENT DEVICE IS A HEAT SOURCE) 40MM ON TOP, 20MM ON THE BOTTOM OF THE UNIT.
 3. STANDARD CONFIGURATION WILL SUPPORT UP TO 30W OF POE POWER PER PORT ON PORTS 5 THROUGH 8 FOR NETWORK DEVICES. PORTS 1 THROUGH 4 WILL HAVE POE DISABLED FOR P1Z AND SIGHTLOOK CAMERAS.
 4. MINIMUM OF A 1-METER CAT6 CABLE REQUIRED BETWEEN DITEK SURGE DEVICE AND NETWORK DEVICES BEING PROTECTED.



2 SFE ENCLOSURE LAYOUT DETAIL
 SCALE: NTS

CUSTOMER:



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Keyplan:

Notes:

- 1. THIS SHEET IS NOT REQUIRED FOR PHASE 2 AND 3.

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	HUB POR3.0R4.0A	05/20/25	KD

Drawn By: _____ KD
 Project Manager: _____ AK
 Project Engineer: _____ KD

ENG. STAMP	PERMIT TO PRACTICE

Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

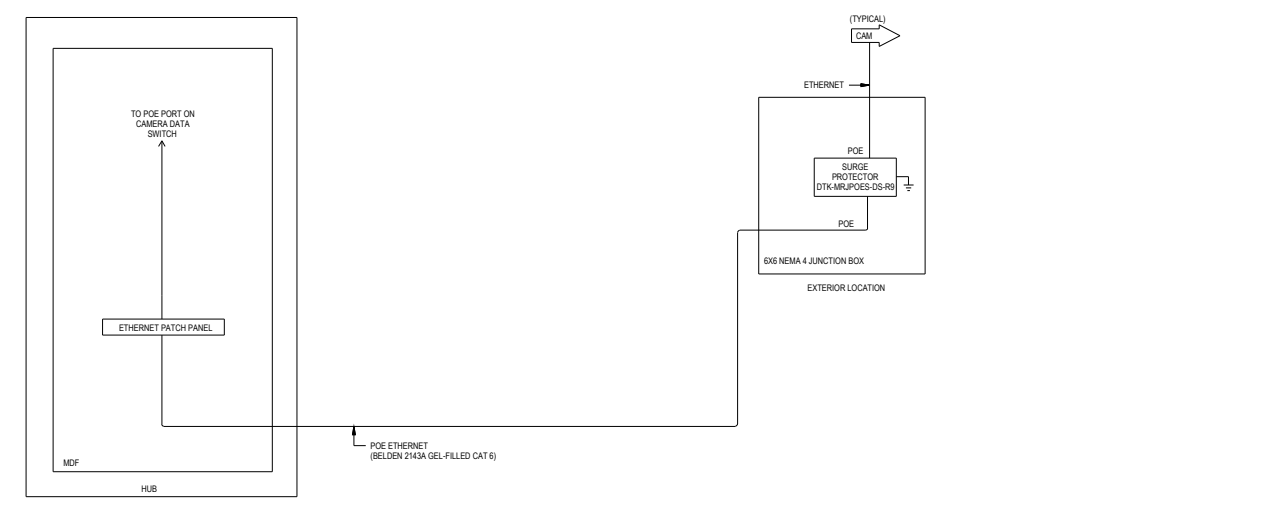
Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title:
 Typical Detail Exterior Camera Pole Cabling

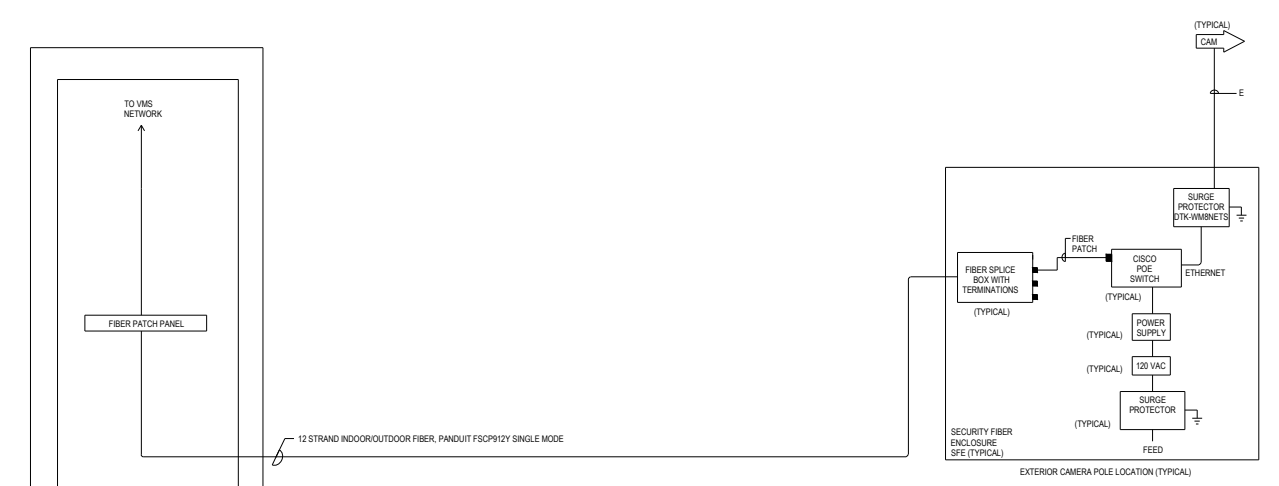
Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number:
 T3-014

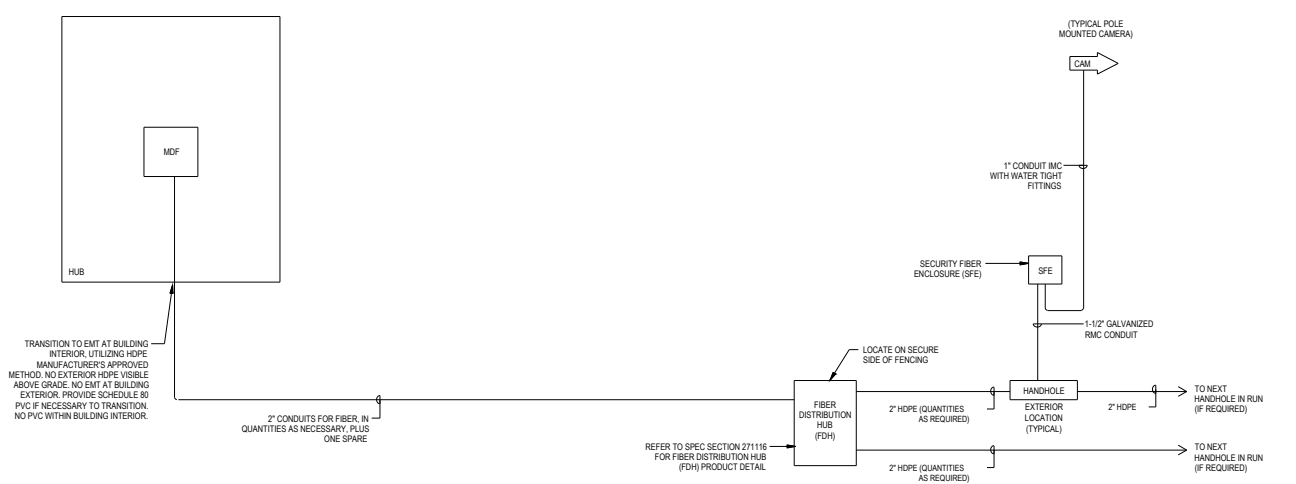


1 SECURITY CABLING DETAIL FOR CAMERA POLES WITH DISTANCE UP TO 250' FROM NEAREST MDF LOCATION
 NOT TO SCALE



NOTE:
 1. PROVIDE 12 STRAND INDOOR/OUTDOOR FIBER, PANDUIT F5CP912Y SINGLE MODE, FROM MDF PATCH PANEL TO EACH SECURITY FIBER ENCLOSURE (SFE), WITHOUT SPLICES, IN QUANTITIES AS REQUIRED.
 2. REFER TO DOOR DETAILS SHEETS FOR CABLE SCHEDULE.

2 SECURITY ENCLOSURE (SFE) LOW-VOLTAGE CABLING ONE-LINE DIAGRAM (FOR POLE WITH DISTANCE MORE THAN 250' FROM MDF)
 NOT TO SCALE



TRANSITION TO EMT AT BUILDING INTERIOR UTILIZING HOPE MANUFACTURER'S APPROVED METHOD. NO EXTERIOR HOPE VISIBLE ABOVE GRADE. NO EMT AT BUILDING EXTERIOR. PROVIDE SCHEDULE 80 PVC IF NECESSARY TO TRANSITION, NO PVC WITHIN BUILDING INTERIOR.

3 SECURITY ENCLOSURE (SFE) LOW-VOLTAGE CONDUIT ROUGH-IN (FOR POLE WITH DISTANCE MORE THAN 250' FROM MDF)
 NOT TO SCALE

REQUIREMENTS FOR LOW-VOLTAGE COPPER CABLING RUNS BETWEEN BUILDINGS:

- LOW-VOLTAGE COPPER CABLE MAY BE RUN OUTSIDE OF BUILDINGS ADHERING TO THE FOLLOWING CRITERIA.
 - AT TRESTLE/AERIAL LOCATIONS, COPPER CABLES MUST BE PLACED WITHIN CONTINUOUS RIGID STEEL CONDUIT OR IMC, WHICH IS TO BE BONDED TO THE BUILDING'S GROUNDING ELECTRODE SYSTEM AT BOTH ENDS. PROVIDE PROTECTORS FOR EACH CONDUCTOR AT EACH END.
 - AT UNDERGROUND BURIED LOCATIONS, COPPER CABLES MUST BE PLACED WITHIN HDPE CONDUIT. PROVIDE PROTECTORS FOR EACH CONDUCTOR AT EACH END.
 - LIGHTNING PROTECTORS SHALL BE BONDED TO THE GROUND SYSTEM.
- THESE REQUIREMENTS FOLLOW NFPA 70, 800.90(A)2, AND, ALSO FOLLOW BICSI TDMM, LIGHTNING EXPOSURE SECTION.
- COPPER SECURITY CABLES MAY BE PLACED WITHIN THE SAME CONDUIT WITH CORPNET CABLES, SHARED CONDUIT.
- FOR DISTANCES BETWEEN BUILDINGS GREATER THAN 250, COPPER CABLE SHALL NOT BE UTILIZED, AND OPTICAL FIBER CABLE ONLY SHALL BE UTILIZED.
- REMARKS:
 - IT IS NOTED THAT ALL EXTERIOR CAMERAS (BUILDING-MOUNTED ON EXTERIOR AND CAMERA-POLE MOUNTED AND TRESTLE OR OTHER STRUCTURE MOUNTED) SHALL EACH BE PROVIDED WITH AN INTERIOR LIGHTNING PROTECTOR, AS SHOWN ON DIAGRAM BELOW AND AS SHOWN ELSEWHERE WITHIN THE DRAWINGS.
 - SECURITY SIGNALS TYPICALLY CARRIED OVER COPPER CABLING TO WHICH THESE REQUIREMENTS PERTAIN TO INCLUDE:
 - POE CAMERA SIGNALS

CUSTOMER:



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Keyplan:

Notes:

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Drawn By: _____ KD
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 Project Engineer: _____ KD

ENG. STAMP	PERMIT TO PRACTICE

Drawing Review Status:

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Reviewer: _____ Date: _____

Drawing Issue Status
ISSUED FOR BID

Job Number

Project: Client
THE CLIENT

Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

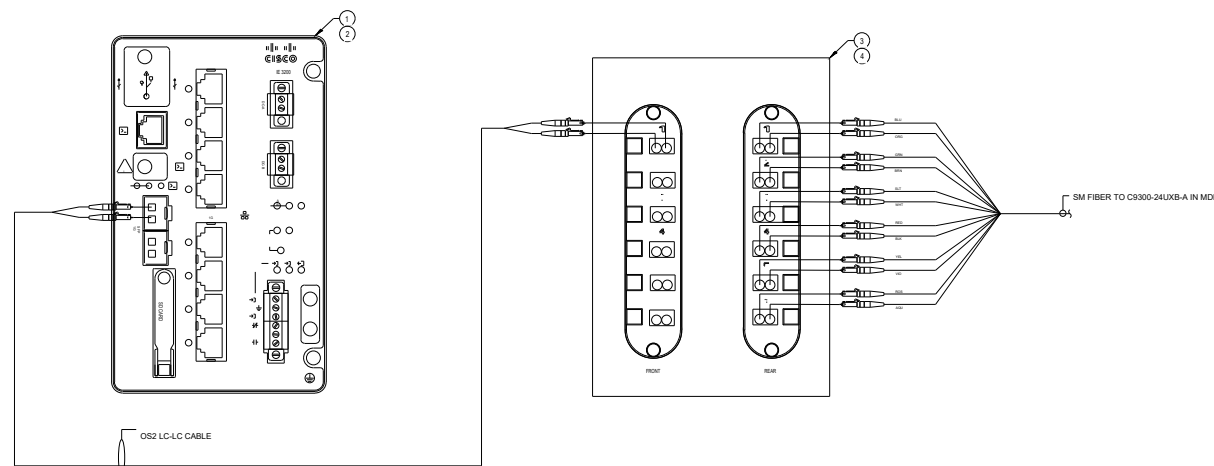
Location
MULTIPLE LOCATIONS

Title: Typical Details Network Diagram

Scale @ ArchB: NTS Revision: 2

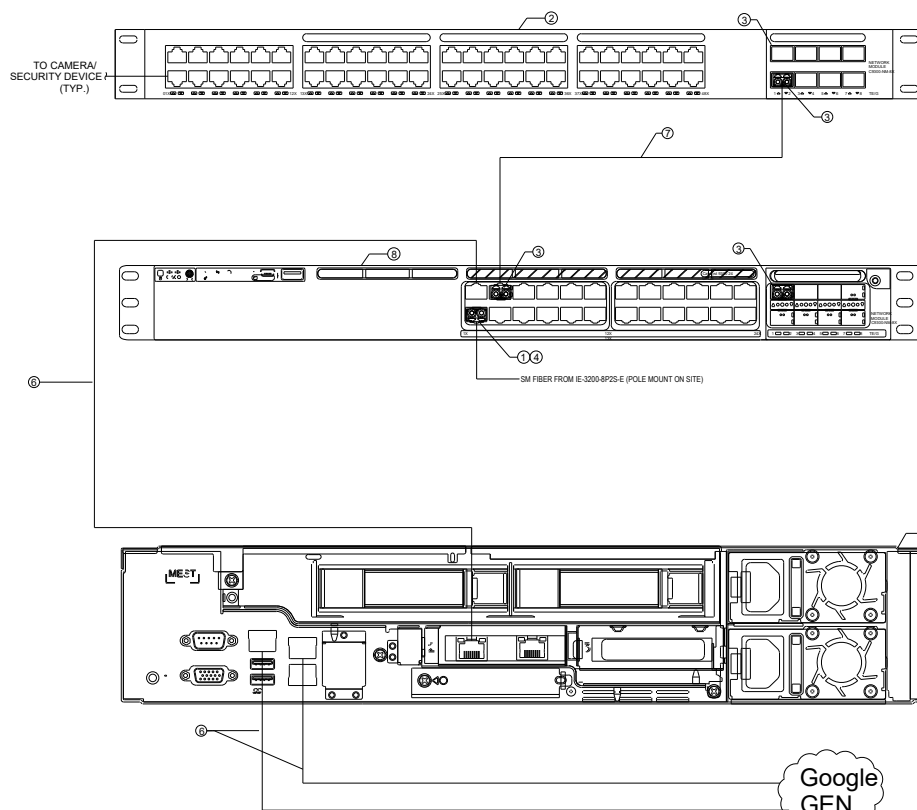
External Reference:

Drawing Number: T3-015



- ① CISCO IE-3200-8P2S-E INDUSTRIAL ETHERNET 3200 SERIES SWITCH 10 PORTS MANAGED
- ② CISCO GLC-LX-SM-RGD RUGGED SFP MODULE
- ③ CORNING SPH-01P PATCH PANEL WITH CCH-CP12-A9 PATCH PANEL INSERT
- ④ CORNING SPH-DIN-KIT DIN RAIL BRACKET

① SECURITY NETWORK 8 PORT ACCESS SWITCH WIRING (SFE LOCATION)
SCALE: NTS



② SECURITY NETWORK TYPICAL CORE SWITCH WIRING DETAIL (MDF)
NOT TO SCALE



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Project Manager: AK
Project Engineer: KD

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Drawing Issue Status
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Job Number

Project:
Client
THE CLIENT

Project
HUB AHEAD 4.0A
(CLIENT OCCUPIED)

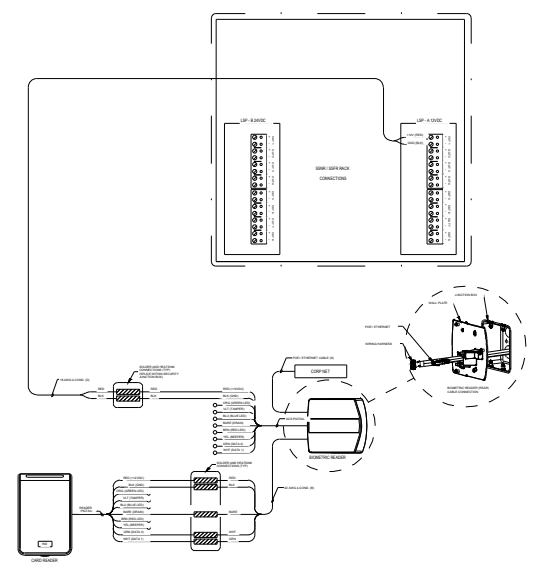
Location
MULTIPLE LOCATIONS

Title:
Enrollment Reader Wall Elevation
and Wiring Typical

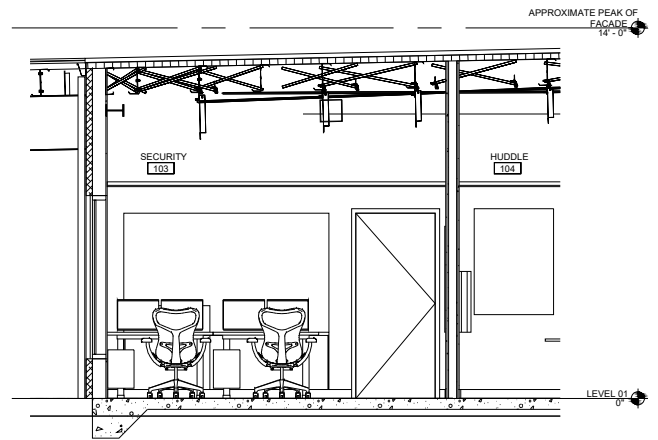
Scale @ ArchB: NTS
Revision: 2

External Reference:

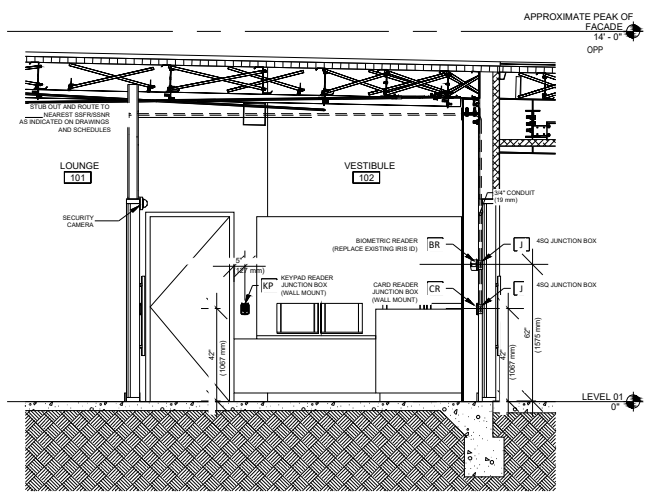
Drawing Number:
T3-016



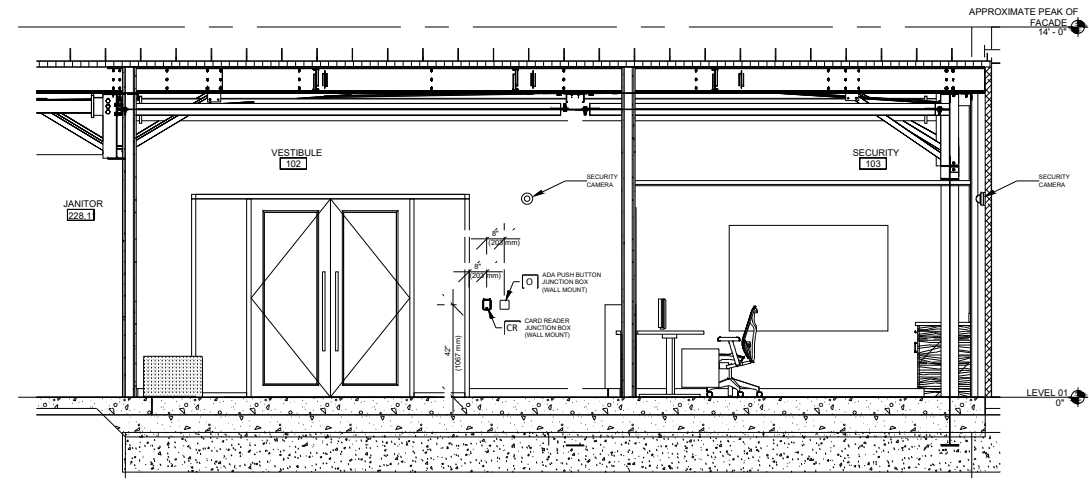
2 SECURITY - DOOR WIRING DIAGRAM (OSDP) - ENROLLMENT READER



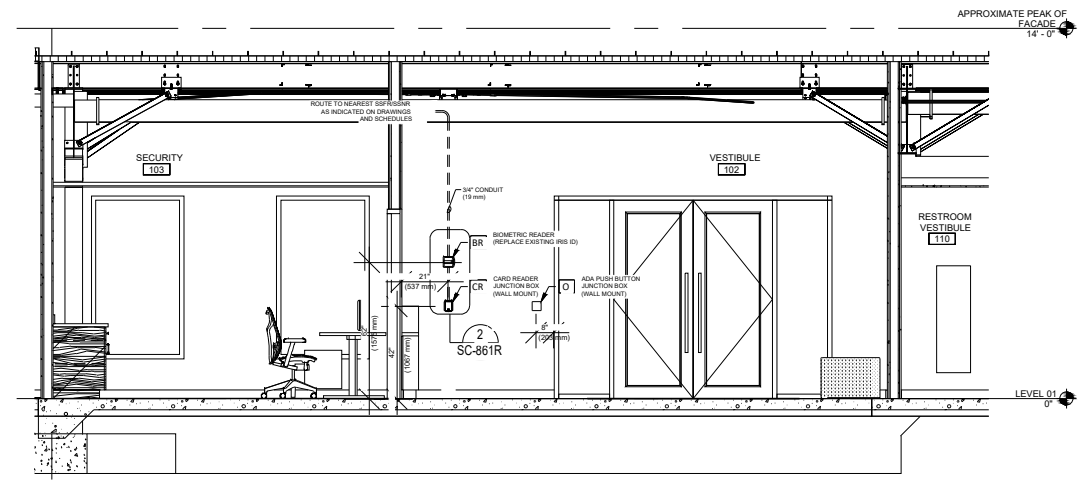
A SECURITY - (HUB BLDG) SECURITY 103 - EAST ELEVATION



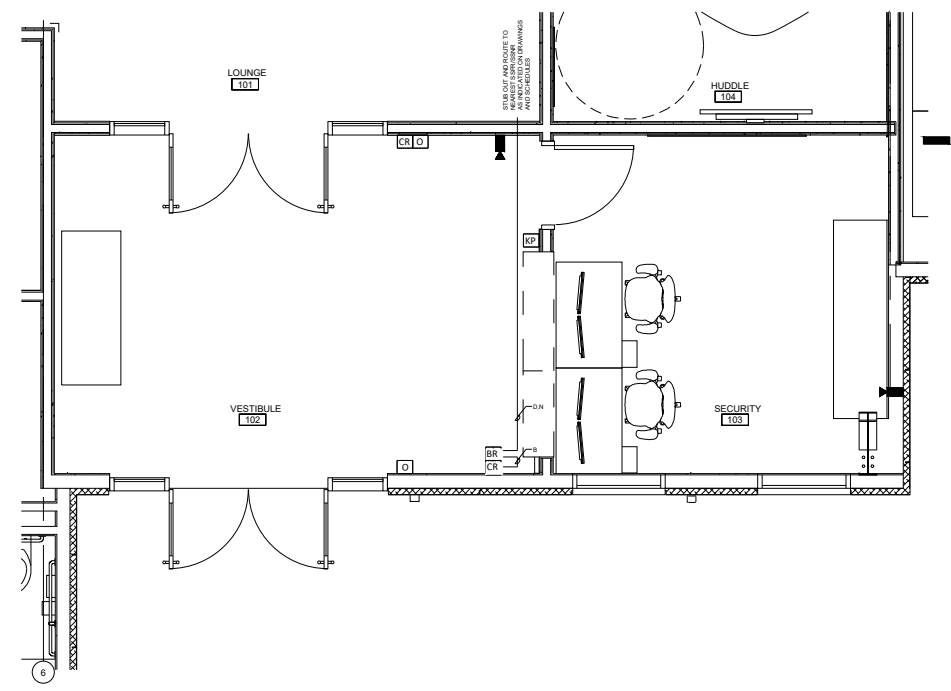
B SECURITY - (HUB BLDG) VESTIBULE 102 - WEST ELEVATION



C SECURITY - (HUB BLDG) VESTIBULE 102 & SECURITY 103 - NORTH ELEVATION



D SECURITY - (HUB BLDG) VESTIBULE 102 & SECURITY 103 - SOUTH ELEVATION



1 SECURITY - (HUB BLDG) VESTIBULE 102 & SECURITY 103 - PLAN VIEW

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Keyplan:

Notes:

LOCATION	DOOR NAME	PHASE	DETAIL	ACCESS CONTROL SYSTEM SCHEDULE								ACCESS CONTROL PANEL						NOTES				
				READER IN	READER OUT	DOOR CONTACT	"ELECTRIC LOCK W/ REX"	SIREN/STROBE	"ADA BUTTON"	DURESS BUTTON	TAMPER SWITCH	ISTAR #	ACM #	READER PORT #	INPUT PORT #	OUTPUT PORT #	EXT I8 MODULE / PORT #		EXT R8 MODULE / PORT #			
MDF 113	DR-113	AREA A	3	40NKS-03-0086UQ	40NKS-03-0086 UQ	HSS-L2C-101-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	1	1 & 2	1-DC	PRI 1-LCK & SEC 1-AVA	N/A	N/A				
RACK #5 TAMPER SWITCH	TMP-RACK5	AREA A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(3) TSC-20	"A"	1	N/A	N/A	N/A	N/A	N/A	N/A	CONNECT TO THE TAMPER TERMINAL IN THE PANEL.		
VESTIBULE 102A	TMP-KNOXBOX	AREA A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	TSC-20	"A"	1		3-TMP	N/A	N/A	N/A	N/A			
MECHANICAL 129	DR-E129	AREA A	9	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	1	3	7-DC & 8-REX	PRI 3-LCK & SEC 3-AVA	N/A	N/A				
ELECTRICAL 128	DR-E128	AREA A	9	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	1	4	10-DC & 11-REX	PRI 4-LCK & SEC 4-AVA	N/A	N/A				
VESTIBULE 102A	DR-V102A	AREA A	5	40NKS-03-0086UQ	N/A	(2) MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	1	5	13-DC & 14-REX	PRI 5-LCK	N/A	N/A				
MOTHER'S ROOM 105	DR-105	AREA A	2	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	1	6	16-DC & 17-REX	PRI 6-LCK	N/A	N/A				
SECURITY 103	DR-103	AREA A	2	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	1	7	19-DC & 20-REX	PRI 7-LCK	N/A	N/A				
VESTIBULE 102B	DR-V102B	AREA A	5	40NKS-03-0086UQ	N/A	(2) MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	1	8	22-DC & 23-REX	PRI 8-LCK	N/A	N/A				
LOUNGE 101	DR-E101	AREA A	6	40NKS-03-0086UQ	N/A	(2) MSS-301C-WG-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	2	1	1-DC & 2-REX	PRI 1-LCK & SEC 1-AVA	N/A	N/A		NO SECURITY, WALLED OFF TO MAINTAIN OPERATIONAL BOUNDARY UNTIL AREA B IS TURNED OVER TO CLIENT COMPLETELY		
CAFÉ E201B	DR-E201B	AREA B	9	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	2	2	4-DC & 5-REX	PRI 2-LCK & SEC 2-AVA	N/A	N/A		ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED		
AV 209.2	DR-209.2	AREA B	2	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	2	3	7-DC & 8-REX	PRI 3-LCK	N/A	N/A		NO ROUGH IN OR SECURITY, AV ROOM WALLS WILL BE CONSTRUCTED TO ACCEPT SECURITY ONCE SPACE IS RENOVATED TO RECEIVE CLIENT. SECURITY CABLE CAN BE ROUTED AND SPOOLED IN CEILING UNTIL ACCESS CONTROL IS REQUIRED		
KITCHEN 203	DR-E203	AREA B	6	40NKS-03-0086UQ	N/A	(2) MSS-301C-WG-GO	OTHERS	AV1-LED-024A	N/A	N/A	N/A	"A"	2	4	10-DC & 11-REX	PRI 4-LCK & SEC 4-AVA	N/A	N/A		ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED		
EMT 214	DR-214	AREA B	2	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	2	5	13-DC & 14-REX	PRI 5-LCK	N/A	N/A		ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED		
AV 308	DR-308	AREA C	2	40NKS-03-0086UQ	N/A	MSS-301C-WG-GO	OTHERS	N/A	N/A	N/A	N/A	"A"	2	6	16-DC & 17-REX	PRI 6-LCK	N/A	N/A		ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED		
MOTHER'S ROOM DURESS	DB-105	AREA A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SS2200EM-EN	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 1	N/A		
MOTHER'S ROOM PIEZO SOUNDER	SO-105	AREA A	N/A	N/A	N/A	N/A	N/A	ATW (PC-300)	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R8 #1 / PORT 1		
SECURITY'S DURESS	DB-103	AREA A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SS2200EM-EN	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 2	N/A	
OPEN OFFICE 112	DR-E112	AREA A	7	N/A	N/A	(2) MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 3	R8 #1 / PORT 2	
MICRO KITCHEN 109	DR-E108	AREA A	7	N/A	N/A	(2) MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 4	R8 #1 / PORT 3	NO SECURITY, WALLED OFF TO MAINTAIN OPERATIONAL BOUNDARY UNTIL AREA B IS TURNED OVER TO CLIENT COMPLETELY
OPEN OFFICE 121	DR-E121	AREA A	7	N/A	N/A	(2) MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 5	R8 #1 / PORT 4	NO SECURITY, DOOR OPENING TO BE WALLED OFF UNTIL AREA C IS OCCUPIED BY CLIENT, THEN INSTALL DOOR WITH NO SECURITY
CAFÉ E201A	DR-E201A	AREA B	8	N/A	N/A	MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 6	R8 #1 / PORT 5	ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED
OPEN OFFICE 210	DR-E210	AREA B	7	N/A	N/A	(2) MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 7	R8 #1 / PORT 6	ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED
OPEN OFFICE 310	DR-E310	AREA C	8	N/A	N/A	MSS-301C-WG-GO	N/A	AV1-LED-024A	N/A	N/A	N/A	"A"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18 #1 / PORT 8	R8 #1 / PORT 7	ROUGH IN ONLY FOR SECURITY, SPOOL SECURITY CABLE IN CEILING UNTIL ACCESS CONTROL READY TO BE INSTALLED

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
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Drawn By: _____ KD
 Project Manager: _____ AK
 Project Engineer: _____ KD

ENG. STAMP	PERMIT TO PRACTICE
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Drawing Issue Status
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Job Number

Project:
 Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title: Device Schedule ACS

Scale @ ArchB: NTS Revision: 2

External Reference:

Drawing Number: T4-001

SECURITY CAMERA SCHEDULE AREA A														
LOCATION	CAMERA NAME	MANUFACTURER	MODEL	SPACE: NUMBER	ELEV FROM LEVEL	DETAIL	MOUNTING	MOUNT MODEL	PENDANT KIT	MOUNT ACCESSORY	TELECOMM ROOM	SWITCH ID	NETWORK PORT	PHASE
ELECTRICAL	CAM 128.1	AXIS	P3267-LV	128	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	1	AREA A
LOUNGE	CAM 101.1	AXIS	Q3819-LVE	101	8' - 0"	W1	WALL MOUNT	T91L61	TQ3101-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	2	AREA A
MDF	CAM 113.1	AXIS	P3267-LV	113	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	3	AREA A
MDF	CAM 113.2	AXIS	P3267-LV	113	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	4	AREA A
MDF DOOR 113	CAM 112.1	AXIS	P3267-LV	112	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	5	AREA A
MECHANICAL	CAM 129.1	AXIS	P3267-LV	129	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	6	AREA A
MICRO KITCHEN	CAM 108.1	AXIS	P3267-LV	108	8' - 0"	D1	DROP MOUNT	N/A	T94K01D	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	7	AREA A
NORTH OFFICE EMER. EXIT E112	CAM 112.2	AXIS	P3267-LV	112	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	8	AREA A
SECURITY OFFICE	CAM 103.1	AXIS	P3267-LV	103	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	9	AREA A
VESTIBULE INTERIOR DOOR	CAM 102.1	AXIS	P3267-LV	102	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	10	AREA A
EXT EAST	CAM EXT EAST 1	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	11	AREA A
EXT SOUTH EAST	CAM EXT S.E 1	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	12	AREA A
EXT VESTIBULE DOOR V102A	CAM EXT V102A	AXIS	P3267-LVE	EXT	8' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	13	AREA A
EXT MECH 129	CAM EXT E129	AXIS	P3267-LVE	EXT	8' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	14	AREA A
EXT ELEC 128	CAM EXT E128	AXIS	P3267-LVE	EXT	8' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	15	AREA A
ELECTRICAL	CAM 107A.1	AXIS	P3267-LV	107A	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	16	AREA A
SECURITY CAMERA SCHEDULE AREA B														
LOCATION	CAMERA NAME	MANUFACTURER	MODEL	SPACE: NUMBER	ELEV FROM LEVEL	DETAIL	MOUNT DETAIL	MOUNT MODEL		MOUNT ACCESSORY	TELECOMM ROOM	SWITCH ID	NETWORK PORT	PHASE
AV DOOR 209.2	CAM 209.2	AXIS	P3267-LV	209.2	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	17	AREA B
AV DOOR 209.2	CAM 208.1	AXIS	P3267-LV	208	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	18	AREA B
CAFE EXIT EAST E201A	CAM E201A	AXIS	P3267-LV	201-2	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	19	AREA B
ELECTRICAL	CAM 224.1	AXIS	P3267-LV	224	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	20	AREA B
EMT DOOR 214	CAM 213.1	AXIS	P3267-LV	213	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	21	AREA B
OPEN OFFICE EXIT E210	CAM 210.1	AXIS	P3267-LV	210	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	22	AREA B
EXT EAST	CAM EXT EAST 2	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	23	AREA B
EXT EAST	CAM EXT EAST 3	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	24	AREA B
EXT KITCHEN DOOR E203	CAM EXT E203	AXIS	P3267-LVE	EXT	8' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	25	AREA B
EXT NORTH EAST	CAM EXT N.E 3	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	26	AREA B
EXT NORTH EAST	CAM EXT N.E 4	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	27	AREA B
EXT NORTH WEST	CAM EXT N.W 3	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	28	AREA B
EXT NORTH WEST	CAM EXT N.W 4	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	29	AREA B
EXT NORTH WEST	CAM EXT N.W 5	AXIS	P3267-LVE	EXT	8' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	30	AREA B
EXT SOUTH EAST	CAM EXT S.E 2	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	31	AREA B
EXT SOUTH EAST	CAM EXT S.E 3	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	32	AREA B
SECURITY CAMERA SCHEDULE AREA C														
LOCATION	CAMERA NAME	MANUFACTURER	MODEL	SPACE: NUMBER	ELEV FROM LEVEL	DETAIL	MOUNT DETAIL	MOUNT MODEL		MOUNT ACCESSORY	TELECOMM ROOM	SWITCH ID	NETWORK PORT	PHASE
AV DOOR 308	CAM 301.1	AXIS	P3267-LV	301	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	33	AREA C
AV DOOR 308	CAM 308.1	AXIS	P3267-LV	308	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	34	AREA C
ELECTRICAL	CAM 312.1	AXIS	P3267-LV	312	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	35	AREA C
NORTH OFFICE EMER. EXIT E310	CAM E310	AXIS	P3267-LV	310	8' - 0"	W3	WALL MOUNT	N/A	N/A	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	36	AREA C
EXT NORTH WEST	CAM EXT N.W 1	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	37	AREA C
EXT NORTH WEST	CAM EXT N.W 2	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	38	AREA C
EXT SOUTH WEST	CAM EXT S.W 1	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	39	AREA C
EXT SOUTH WEST	CAM EXT S.W 2	AXIS	P3267-LVE	EXT	12' - 0"	W5	WALL MOUNT	T91D61	TP3103-E	N/A	MDF 113	US-XXX-XXX-VSW-1-1-1 [1-1]	40	AREA C

CUSTOMER:



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Keyplan:

Notes:

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR APPROVAL	05/12/25	KD
2	ISSUE FOR BID	05/20/25	KD

Drawn By: _____ KD
 Project Manager: _____ AK
 Project Engineer: _____ KD

ENG. STAMP	PERMIT TO PRACTICE
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Drawing Review Status:
 A - Approved
 B - Approved with comments
 C - Revise and resubmit
 D - Reviewed
 E - Rejected

Reviewer: _____ Date: _____

Drawing Issue Status
 ISSUED FOR BID

Job Number

Project: Client
 THE CLIENT
 Project
 HUB AHEAD 4.0A
 (CLIENT OCCUPIED)
 Location
 MULTIPLE LOCATIONS

Title: Device Schedule CCTV

Scale @ ArchB: NTS
 Revision: 2

External Reference:

Drawing Number: T4-002