

APPENDIX 2 - LACCD ACCESS CONTROL STANDARDS - TYPICAL DRAWING DETAILS



LOS ANGELES MISSION COLLEGE
13356 Eldridge Ave
Sylmar, CA 91342

PIERCE COLLEGE
6201 Winnetka Ave
Woodland Hills, CA 91371

LOS ANGELES VALLEY COLLEGE
Unnamed Road
Sherman Oaks, CA 91401

LOS ANGELES CITY COLLEGE
855 N Vermont Ave
Los Angeles, CA 90029

EAST LOS ANGELES COLLEGE
1301 Avenida Cesar Chavez
Monterey Park, CA 91754

WEST LOS ANGELES COLLEGE
9000 Overland Ave
Culver City, CA 90230

LOS ANGELES TRADE-TECHNICAL COLLEGE
400 W Washington Blvd
Los Angeles, CA 90015

LOS ANGELES SOUTHWEST COLLEGE
1600 W Imperial Hwy
Los Angeles, CA 90047

LOS ANGELES HARBOR COLLEGE
1111 Figueroa Pl
Wilmington, CA 90744

Security Contractor

General Contractor

Key Plan

Project

Stamp

Revisions

No	Revision	Date
	REFERENCE SET	12-05-18
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Sheet Information

DESIGNED BY
CHECKED BY
APPROVED BY

Date

12-05-18

Drawing Size

Original Size 30 X 42

Scale AS NOTED

Project Name

LACCD STANDARDS

Project Number

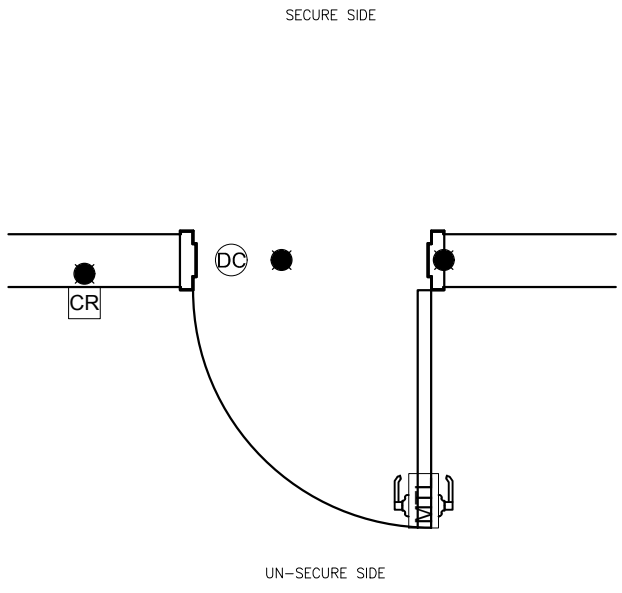
Sheet Title

SECURITY SYMBOLS LISTS
GENERAL NOTES

Sheet Number

SC.00.00

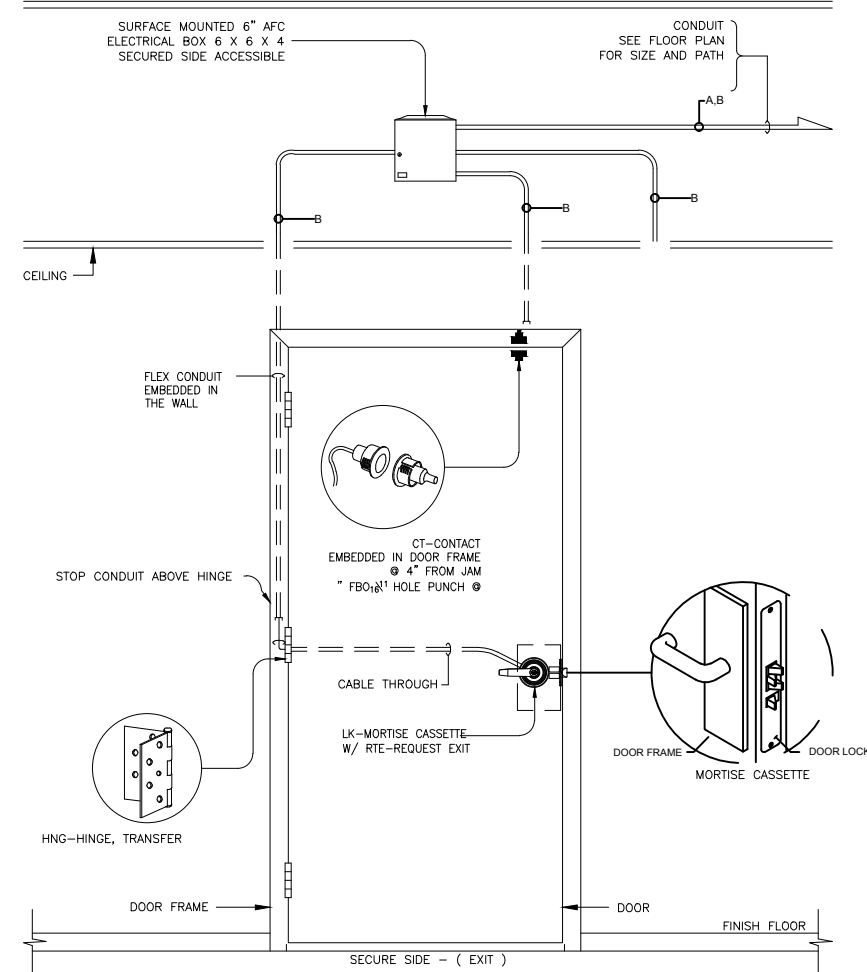
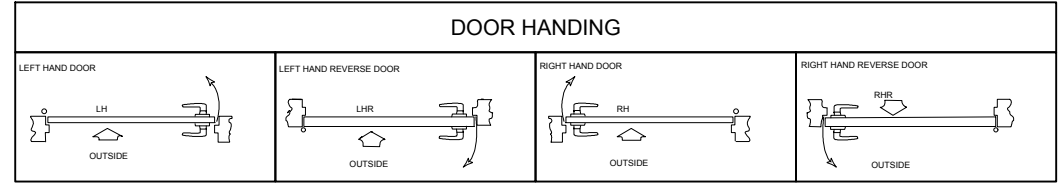
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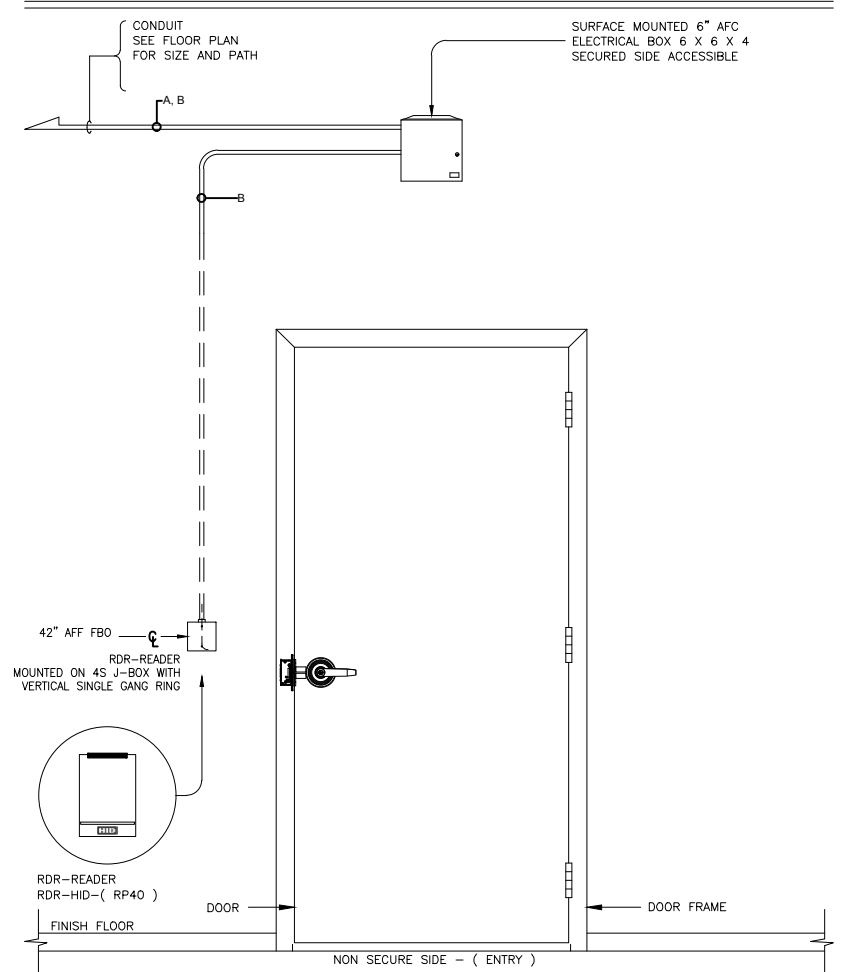
SINGLE DOOR - WITH CARD READER & ELECTRIFIED MORTISE LOCK
SCALE: 1.5" = 1'

1A

CABLE DESIGNATION / TYPE							
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
B	A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
	C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
	G	CABLE, SHIELDED	6	22	-	CARD READER	-
	H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-



SINGLE DOOR - WITH CARD READER & ELECTRIFIED MORTISE LOCK
SCALE: NONE



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12-05-18

Drawing Size
Original Size 17 X 11
Scale

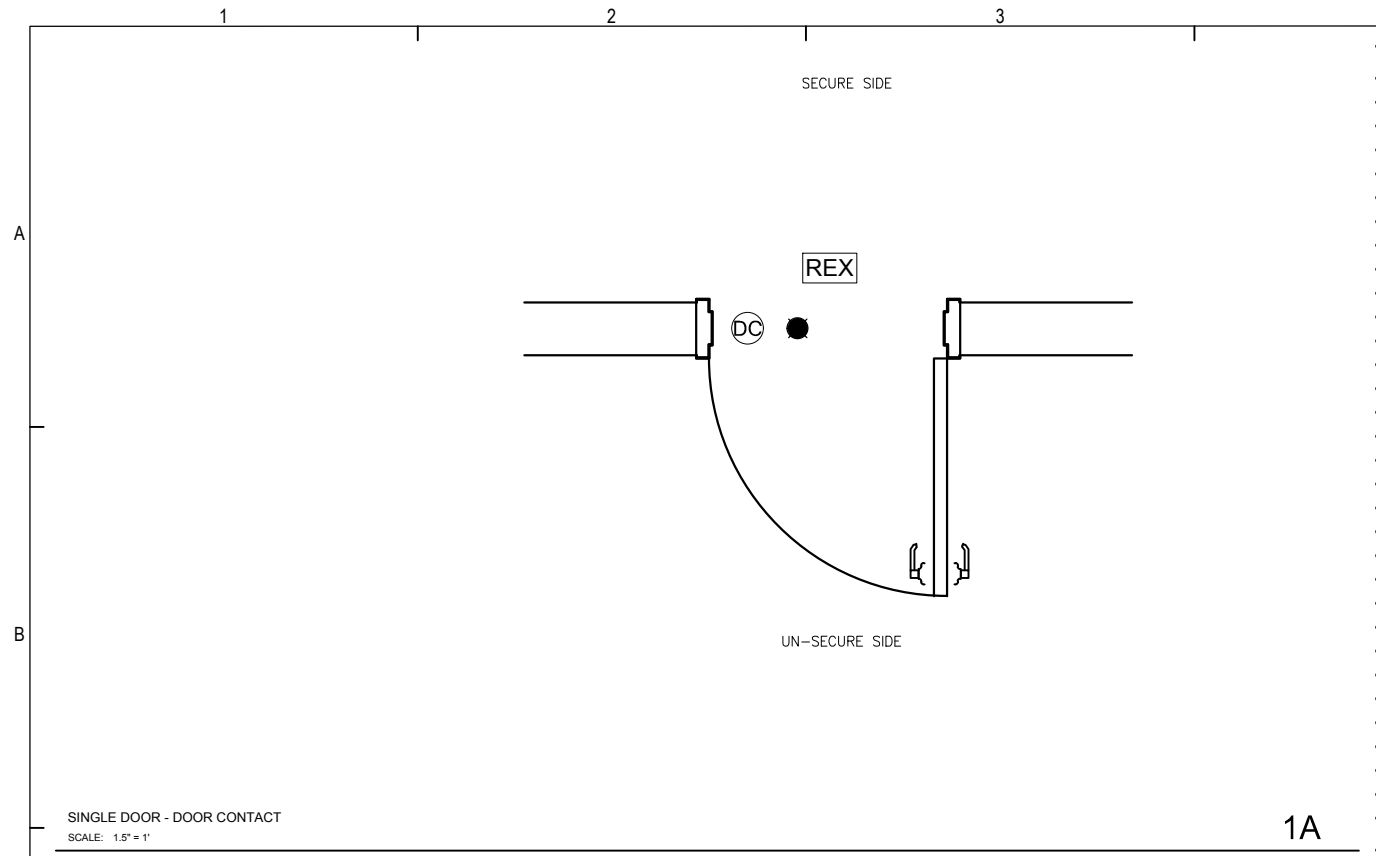
Project Name
LACCD STANDARDS

Project Number

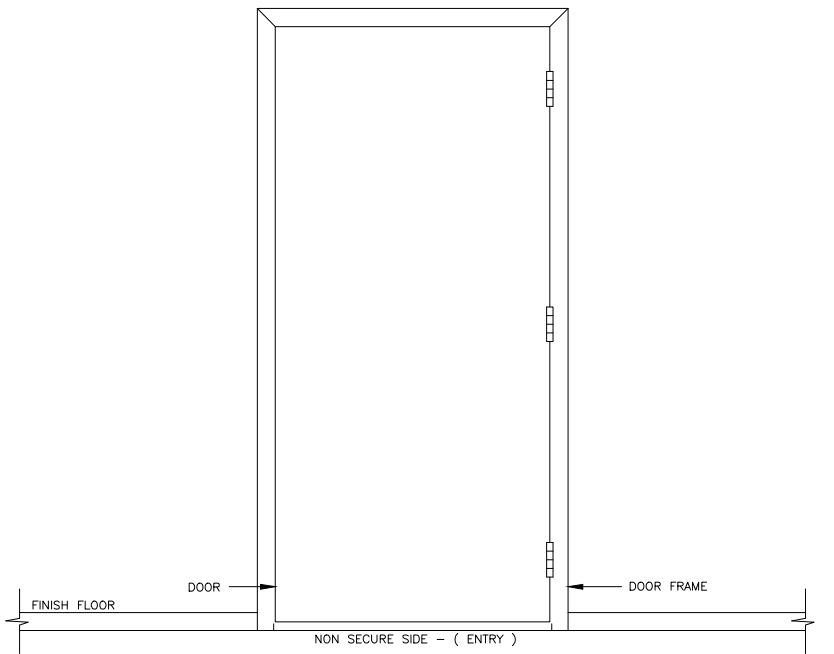
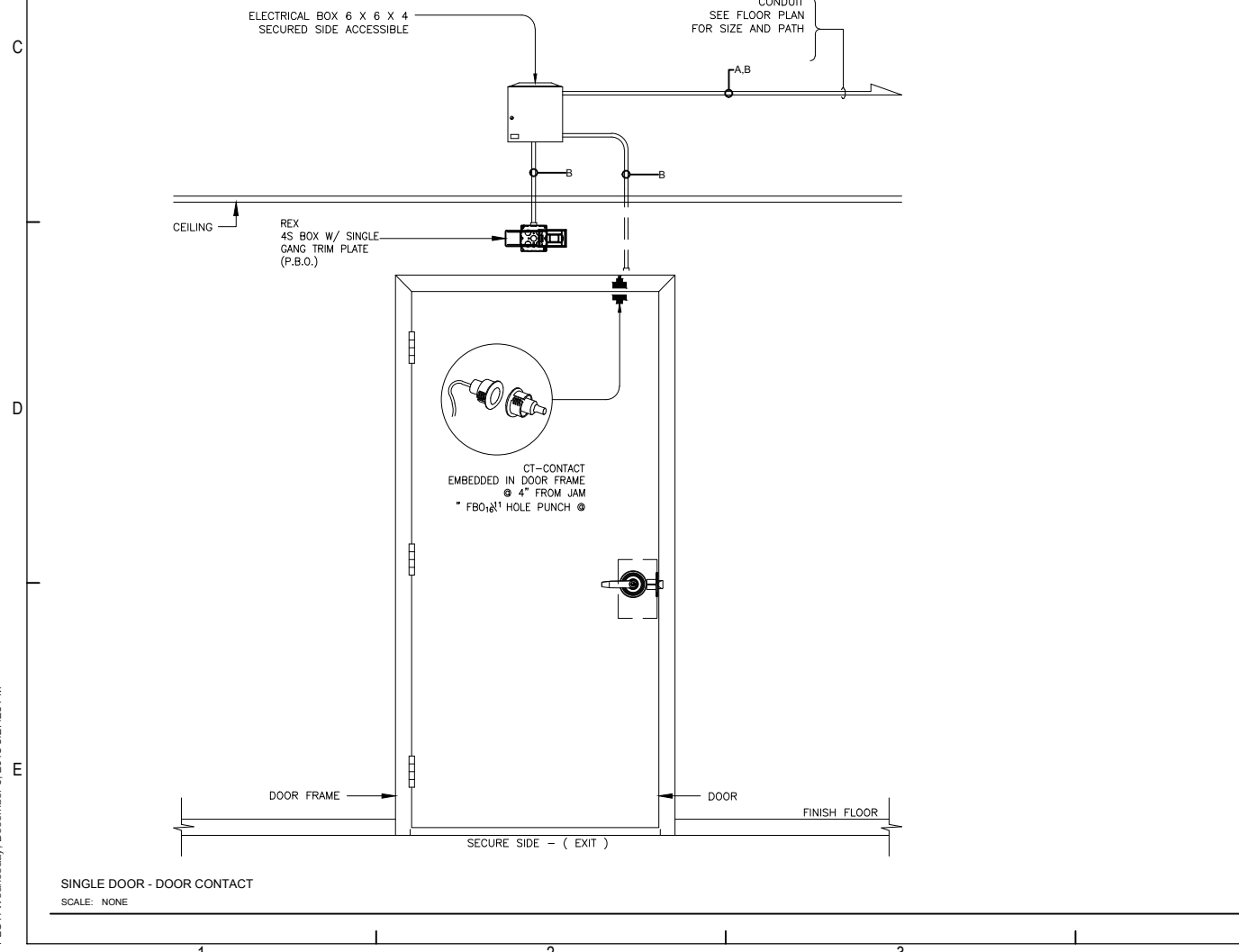
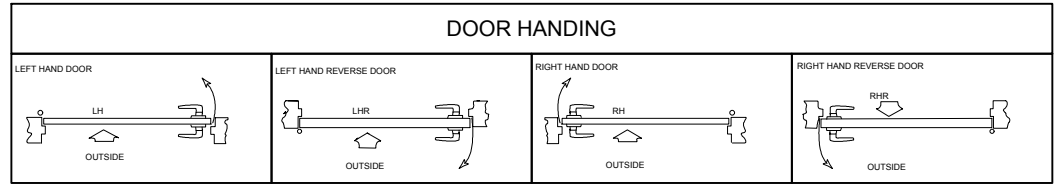
Sheet Title
SINGLE DOOR - WITH CARD READER & ELECTRIFIED MORTISE LOCK

Sheet Number

SC.02.01



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A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-
	G CABLE, SHIELDED	6	22		CARD READER	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-



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12-05-18

Drawing Size
Original Size 17 X 11
Scale

Project Name
LACCD STANDARDS

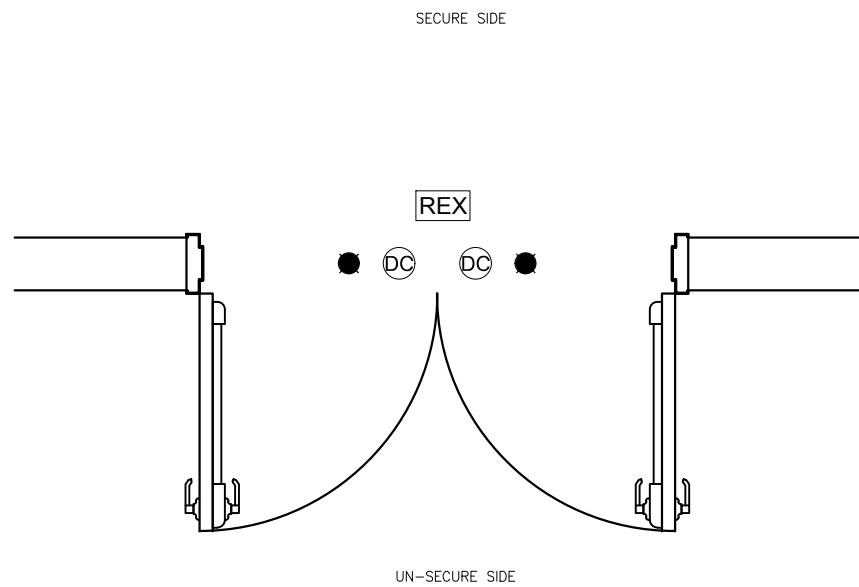
Project Number

Sheet Title
SINGLE DOOR - EGRESS ONLY
DOOR CONTACT

Sheet Number

SC.02.03

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PLOT: Wednesday, December 3, 2016 3:27:23 PM



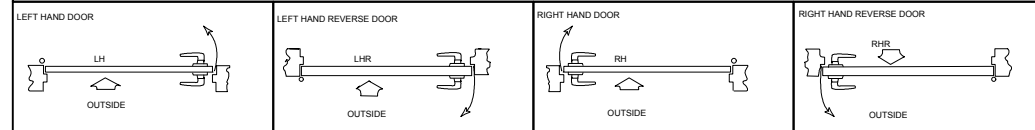
DOUBLE DOOR - DOOR CONTACT
SCALE: 1.5" = 1"

1A

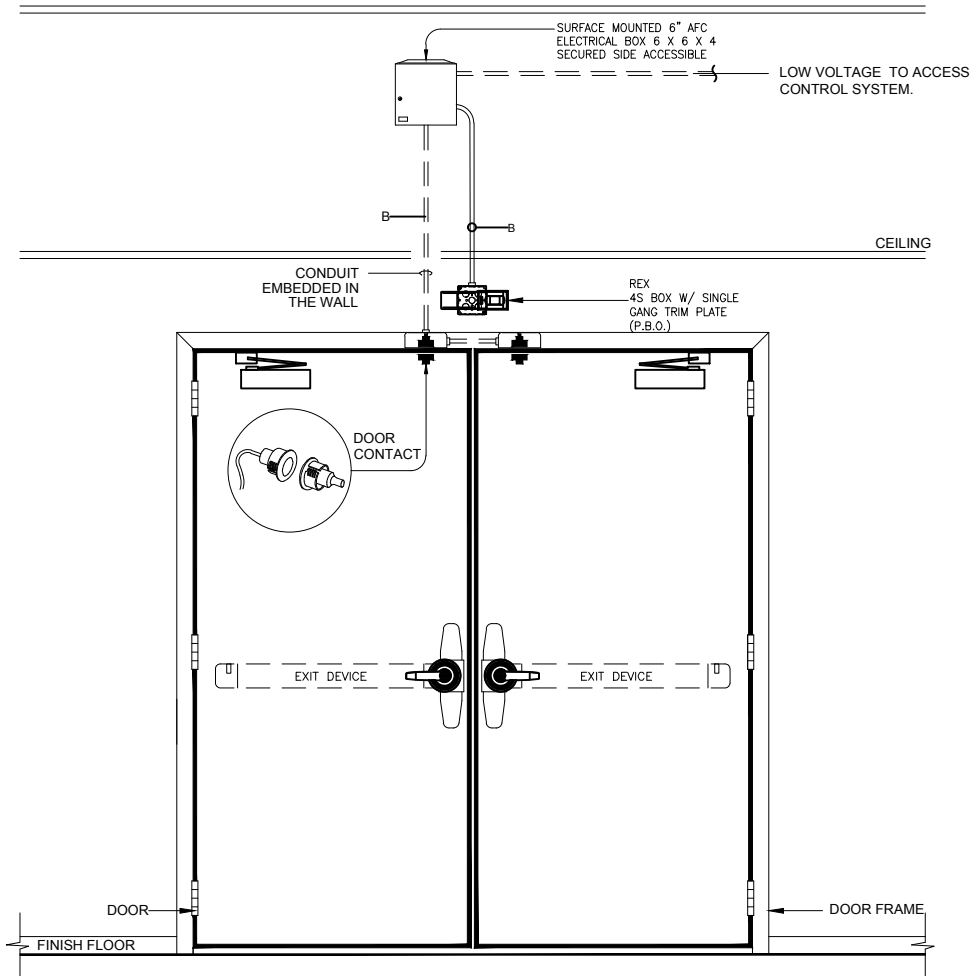
CABLE DESIGNATION / TYPE

TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-	-
G	CABLE, SHIELDED	6	22	-	CARD READER	-	-
H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-	-

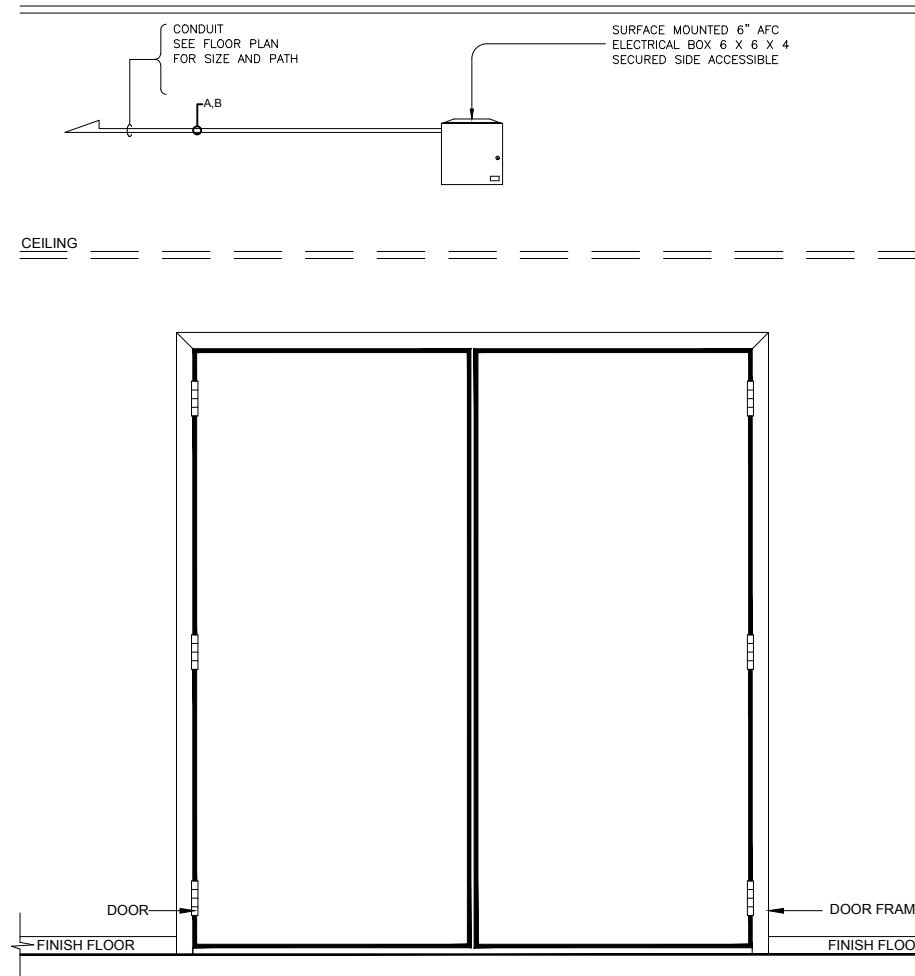
DOOR HANDING



NOTE:
DOOR HARDWARE TYPE AND STYLE MAY VARY.



DOUBLE DOOR - DOOR CONTACT
SCALE: NONE



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Date

12-05-18

Drawing Size

17 X 11

Original Size
Scale

Project Name

LACCD STANDARDS

Project Number

Sheet Title

DOUBLE DOOR - EGRESS ONLY
DOOR CONTACT

Sheet Number

SC.02.04

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PLOT: Wednesday, December 3, 2016 2:27:23 PM

A

B

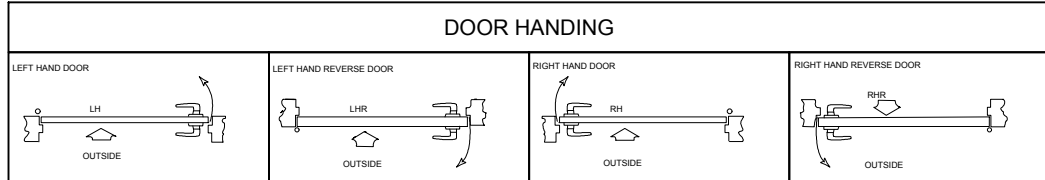
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D

E

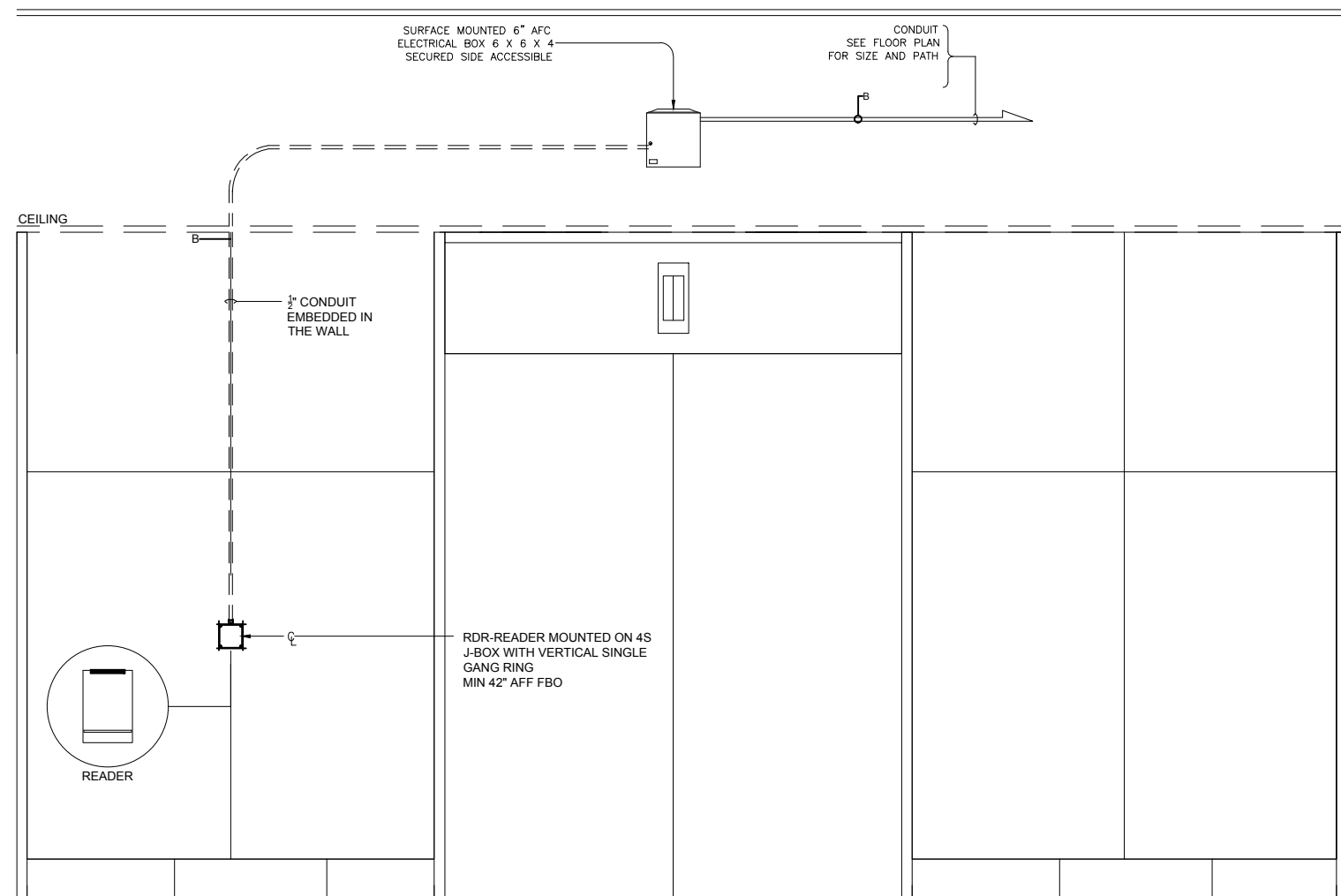
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CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-
	G CABLE, SHIELDED	6	22		CARD READER	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-



NOT USED
 SCALE: 1.5" = 1'

1A



ELEVATOR LOBBY - CALL READER
 SCALE: NONE

Revisions

No	Revision	Date
	REFERENCE SET	12-05-18
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Date

12-05-18

Drawing Size

Original Size 17 X 11

Scale

Project Name

LACCD STANDARDS

Project Number

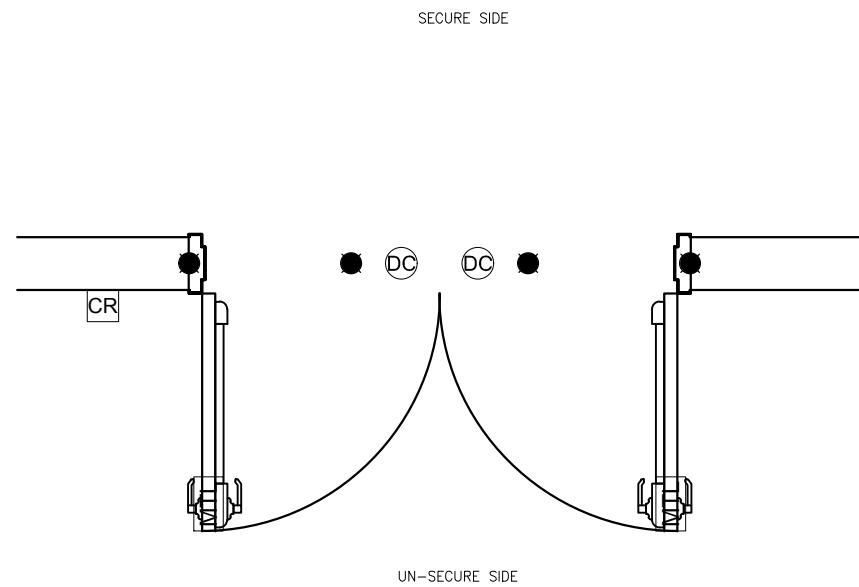
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ELEVATOR LOBBY - CALL READER

Sheet Number

SC.02.05

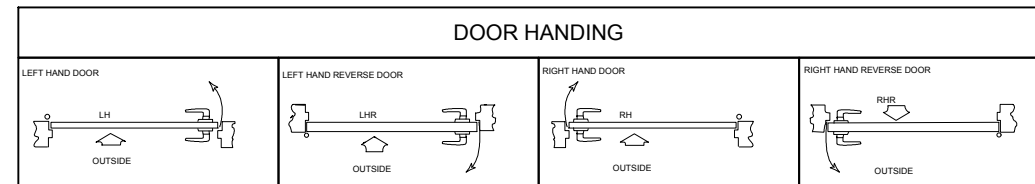
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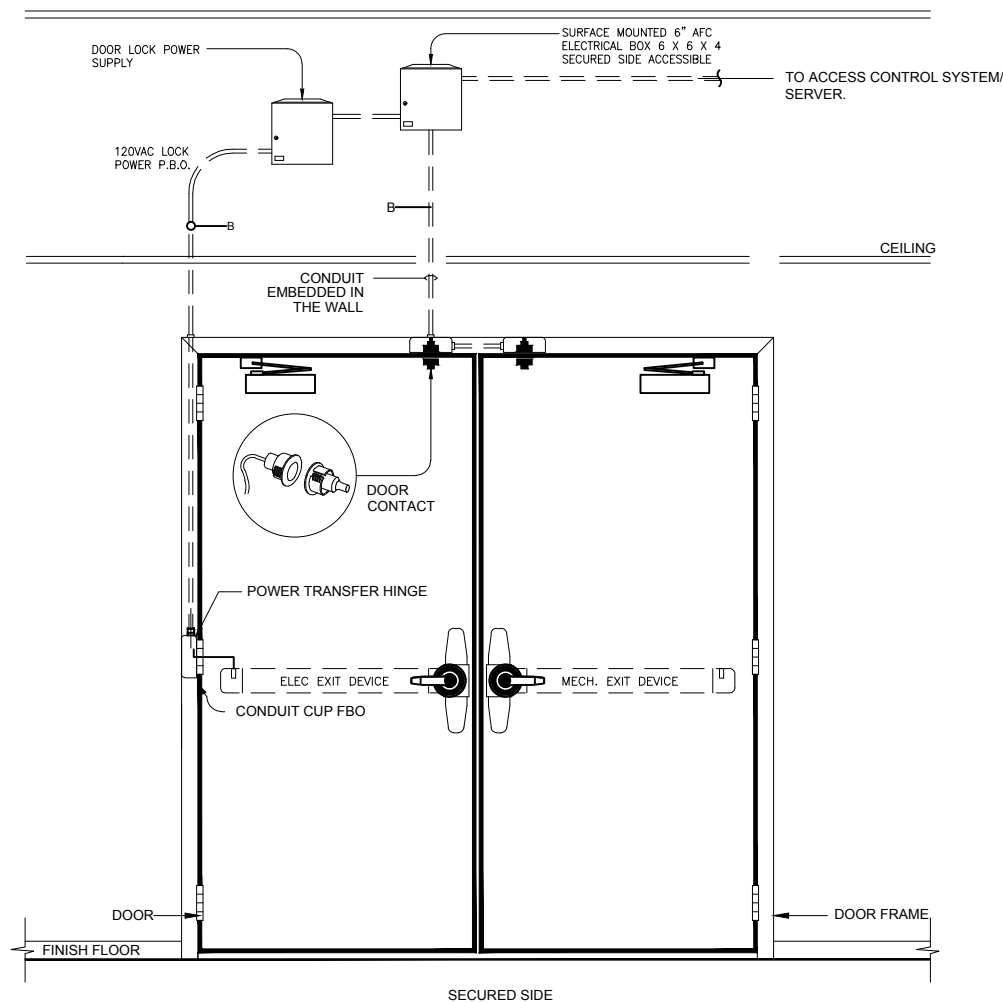
DOUBLE DOOR - WITH CARD READER & MORTISE LOCK
SCALE: 1.5" = 1'

1.A

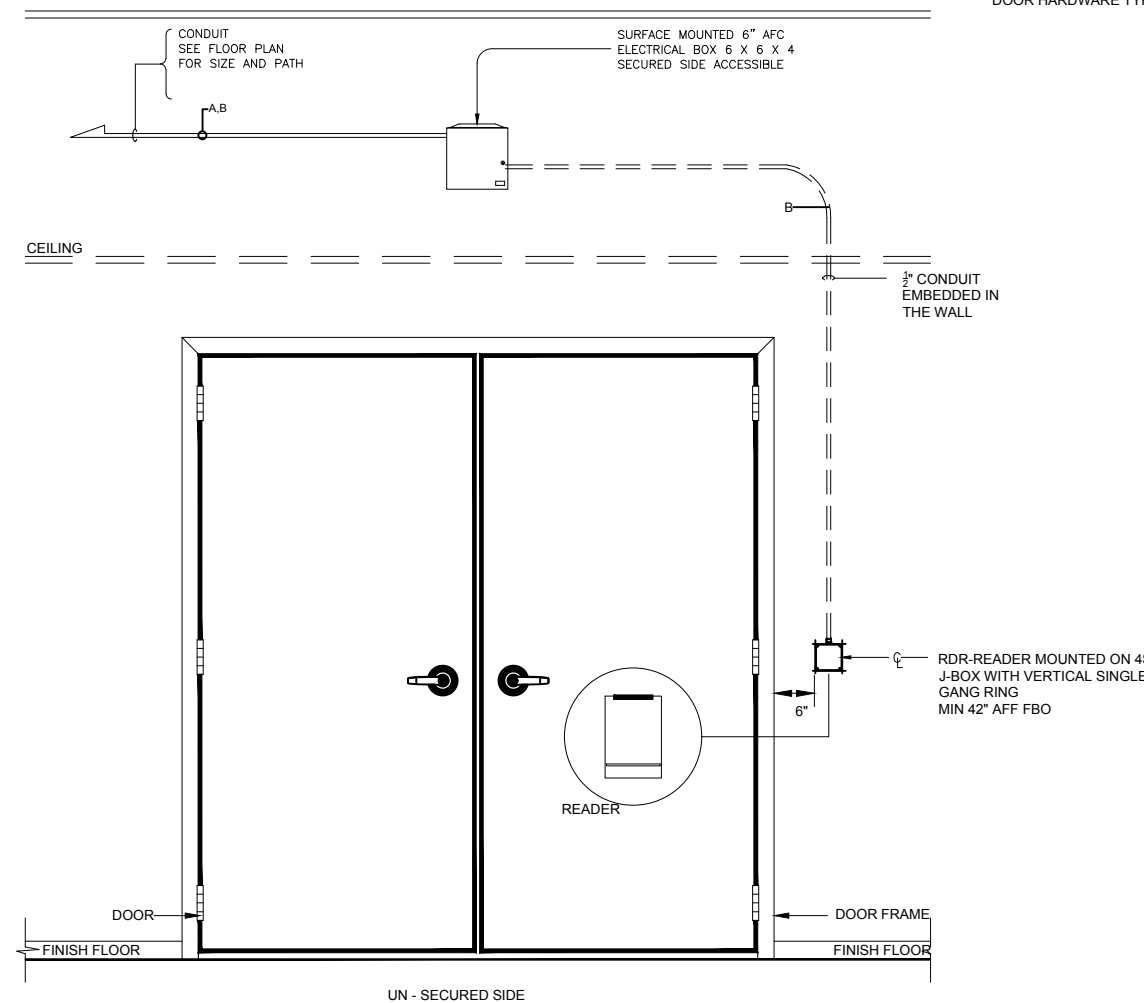
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TYPE	DESCRIPTION	COND	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-	-
	G CABLE, SHIELDED	6	22		CARD READER	-	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-	-



NOTE:
DOOR HARDWARE TYPE AND STYLE MAY VARY.



DOUBLE DOOR - WITH CARD READER & MORTISE LOCK
SCALE: NONE



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Date
12-05-18

Drawing Size
Original Size 17 X 11
Scale

Project Name
LACCD STANDARDS

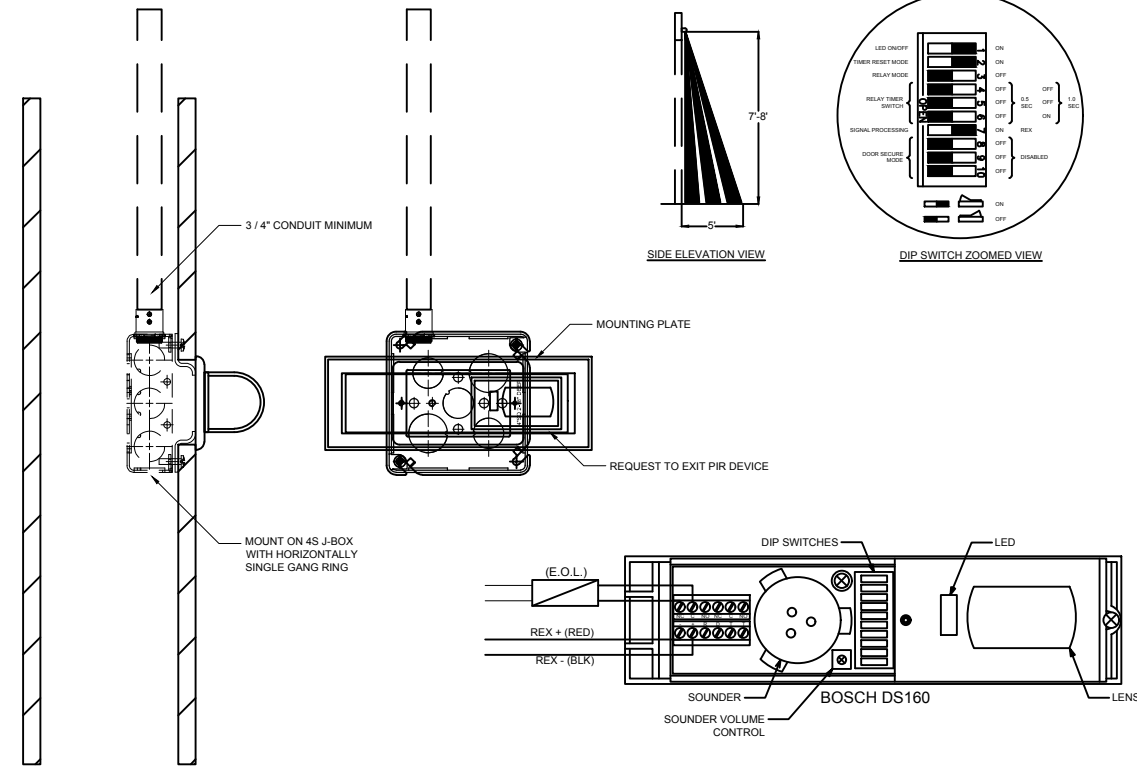
Project Number

Sheet Title
DOUBLE DOOR - WITH CARD READER & MORTISE LOCK

Sheet Number

SC.02.02

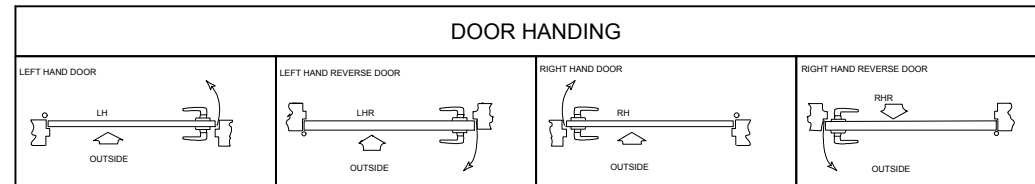
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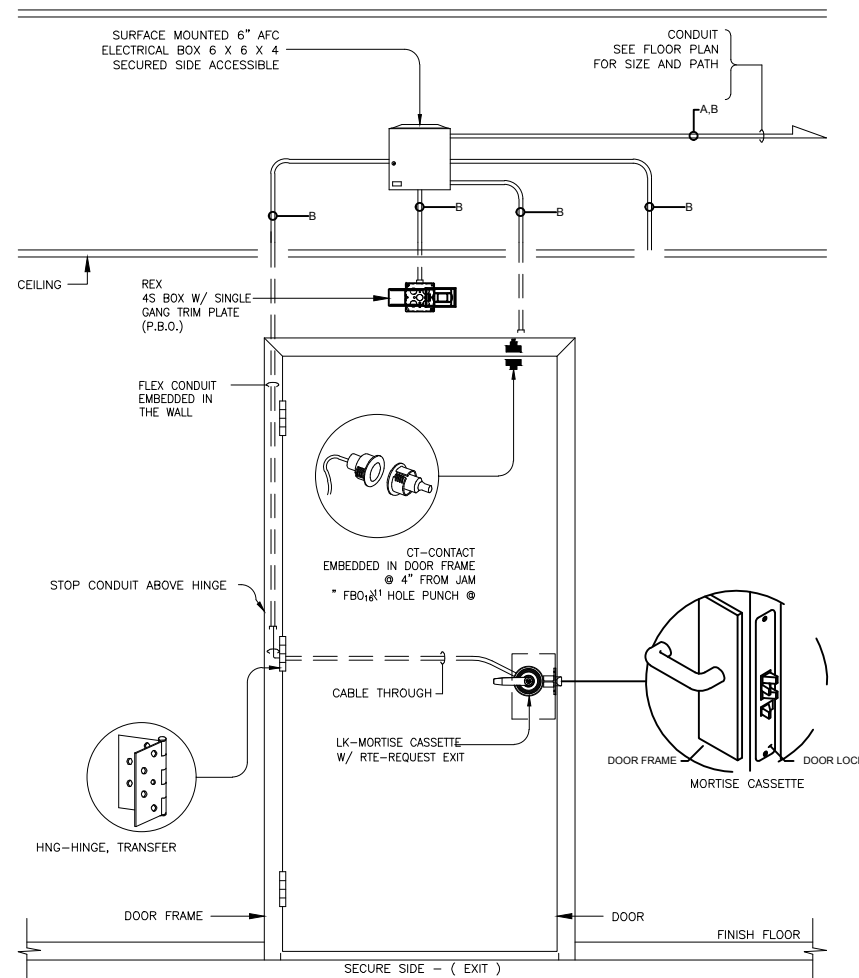
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SCALE: 1.5" = 1"

1A

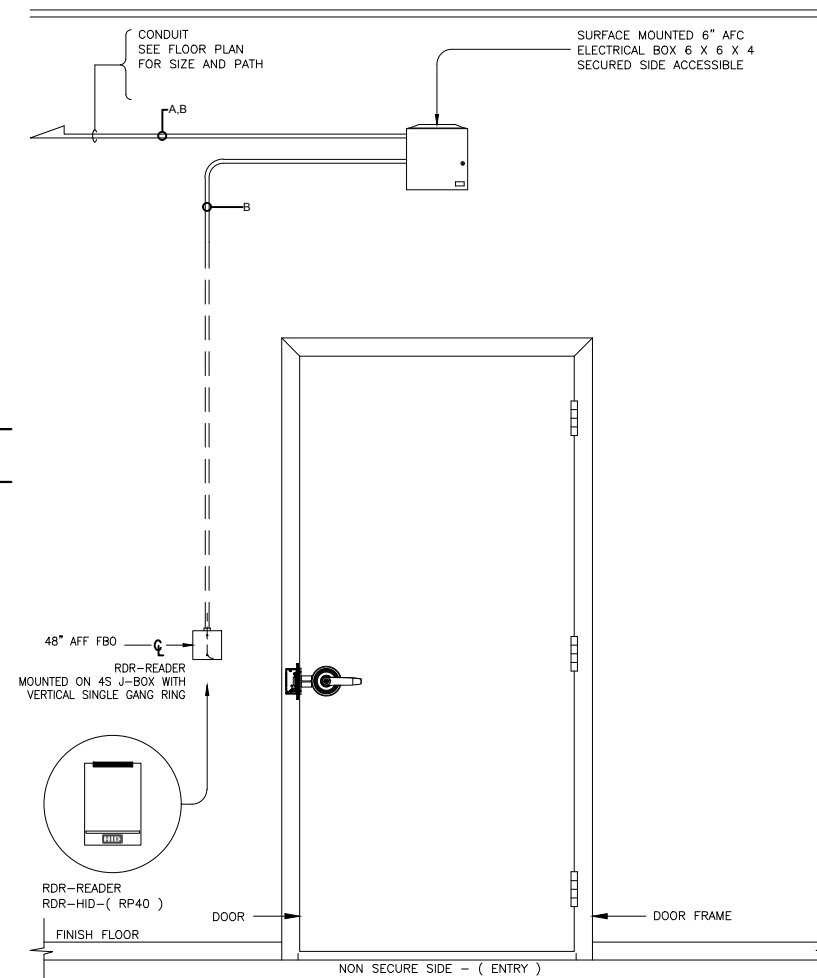
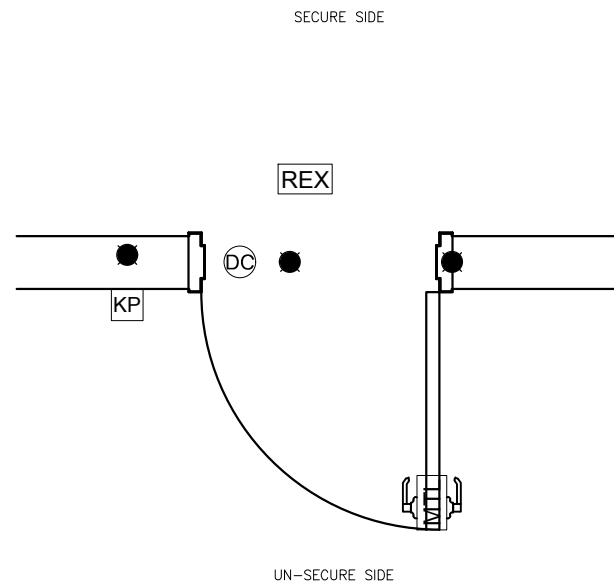
CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
G	CABLE, SHIELDED	6	22	-	CARD READER	-
H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-



DOOR HANDING



SINGLE DOOR - WITH CARD READER, MORTISE LOCK & PIR REX
SCALE: NONE



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Date
12-05-18

Drawing Size
Original Size 17 X 11
Scale

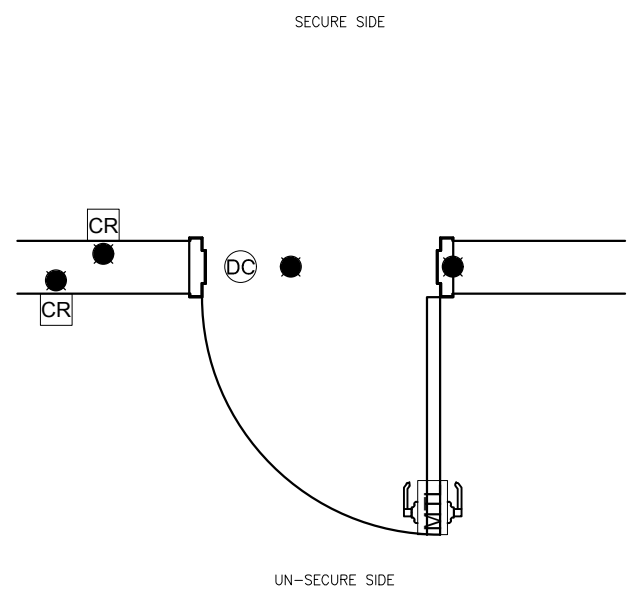
Project Name
LACCD STANDARDS

Project Number

Sheet Title
SINGLE DOOR - WITH CARD READER,
MORTISE LOCK & PIR REX

Sheet Number

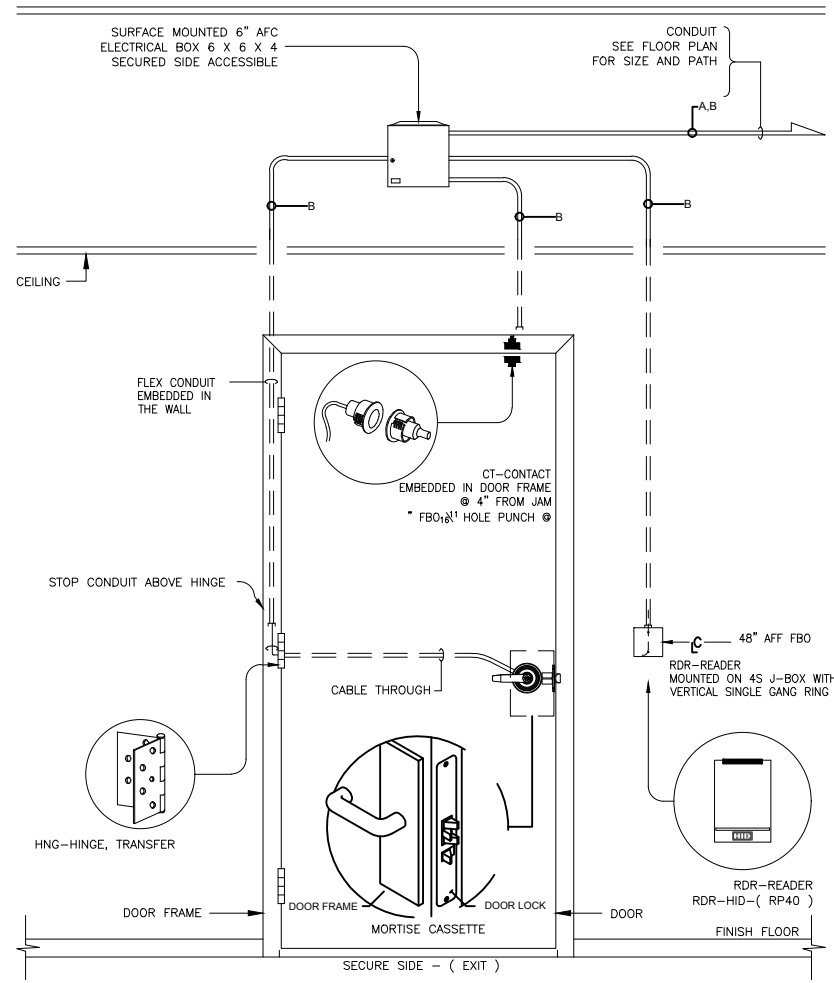
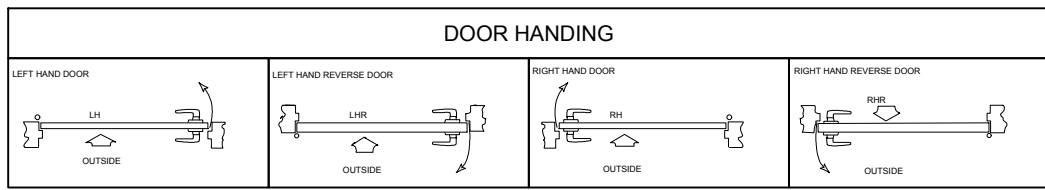
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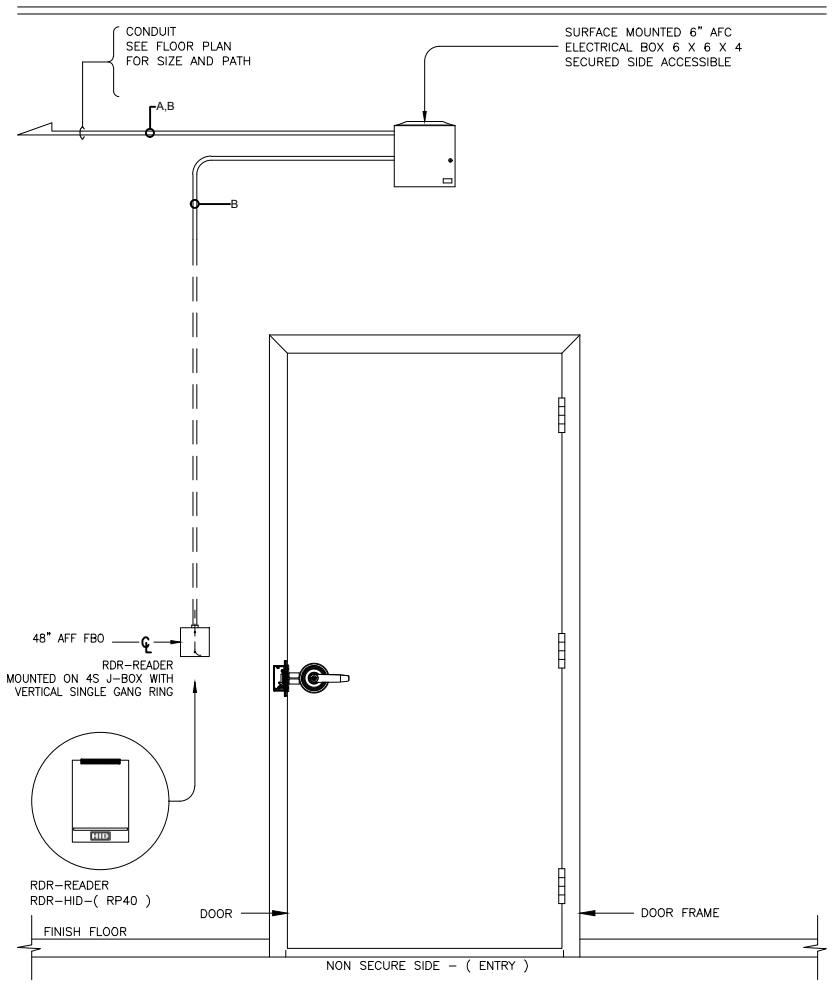
SINGLE DOOR - WITH CARD IN / OUT READER & MORTISE LOCK
SCALE: 1.5" = 1"

1A

CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
	C CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
	G CABLE, SHIELDED	6	22	-	CARD READER	-
	H CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-



SINGLE DOOR - WITH CARD IN / OUT READER & MORTISE LOCK
SCALE: NONE



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Project Name
LACCD STANDARDS

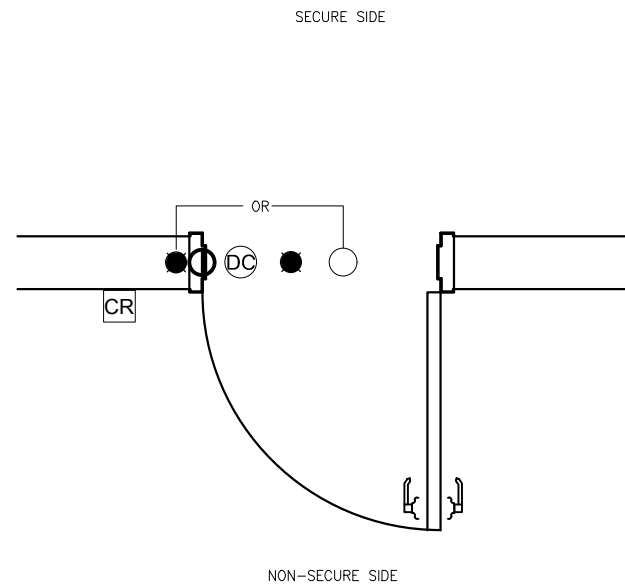
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Sheet Title
SINGLE DOOR - WITH CARD IN / OUT READER & MORTISE LOCK

Sheet Number

SC.02.07

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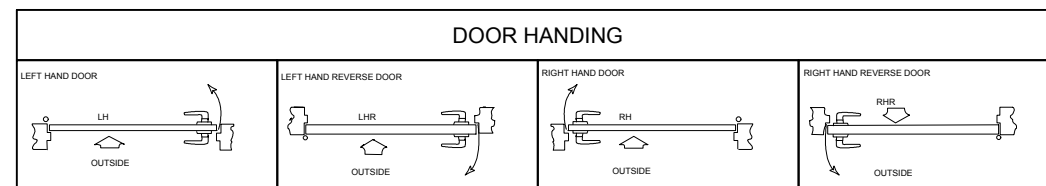


SINGLE DOOR - WITH CARD READER & ELECTRIC STRIKE LOCK

SCALE: 1/8" = 1'

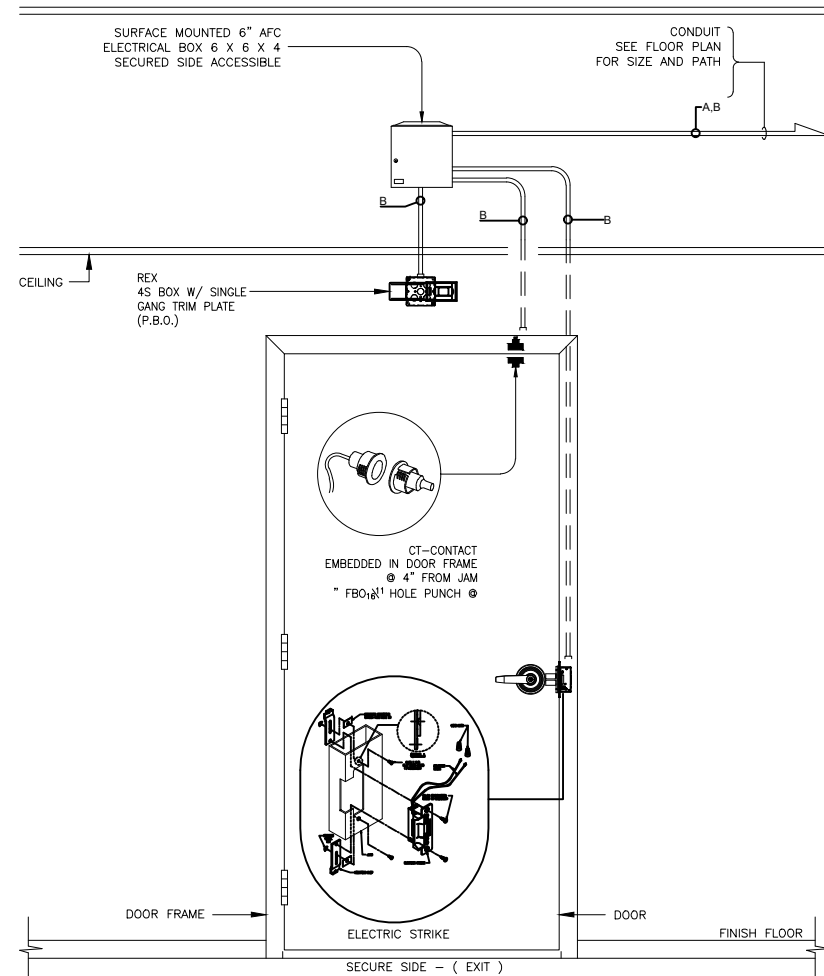
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CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
G	CABLE, SHIELDED	6	22	-	CARD READER	-
H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-



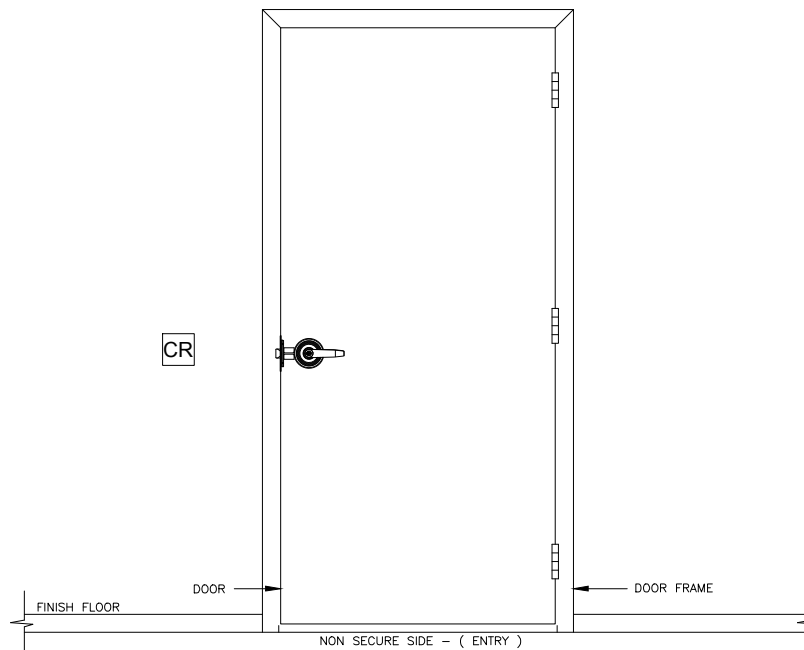
DOOR HANDING

NOTE:
1. DOOR HARDWARE TYPE AND STYLE MAY VARY.



SINGLE DOOR - WITH CARD READER & ELECTRIC STRIKE LOCK

SCALE: NONE



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DESIGNED BY
CHECKED BY
APPROVED BY

Date

12-05-18

Drawing Size

Original Size
Scale

17 X 11

Project Name

LACCD STANDARDS

Project Number

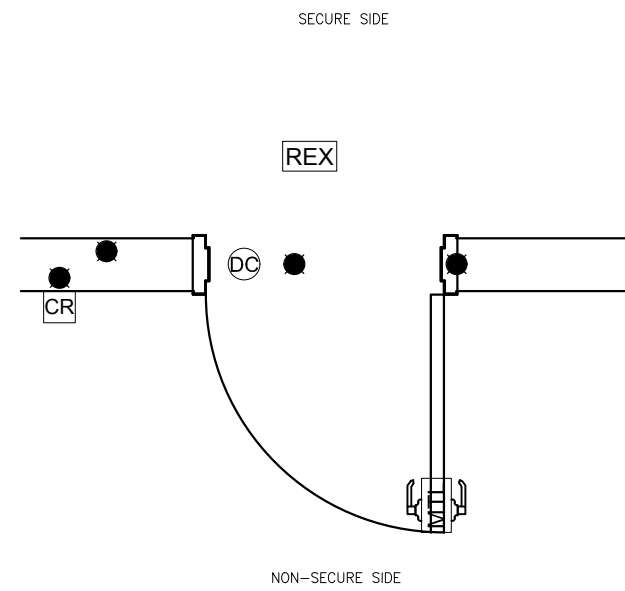
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SINGLE DOOR - WITH CARD READER & ELECTRIC STRIKE LOCK

Sheet Number

SC.02.08

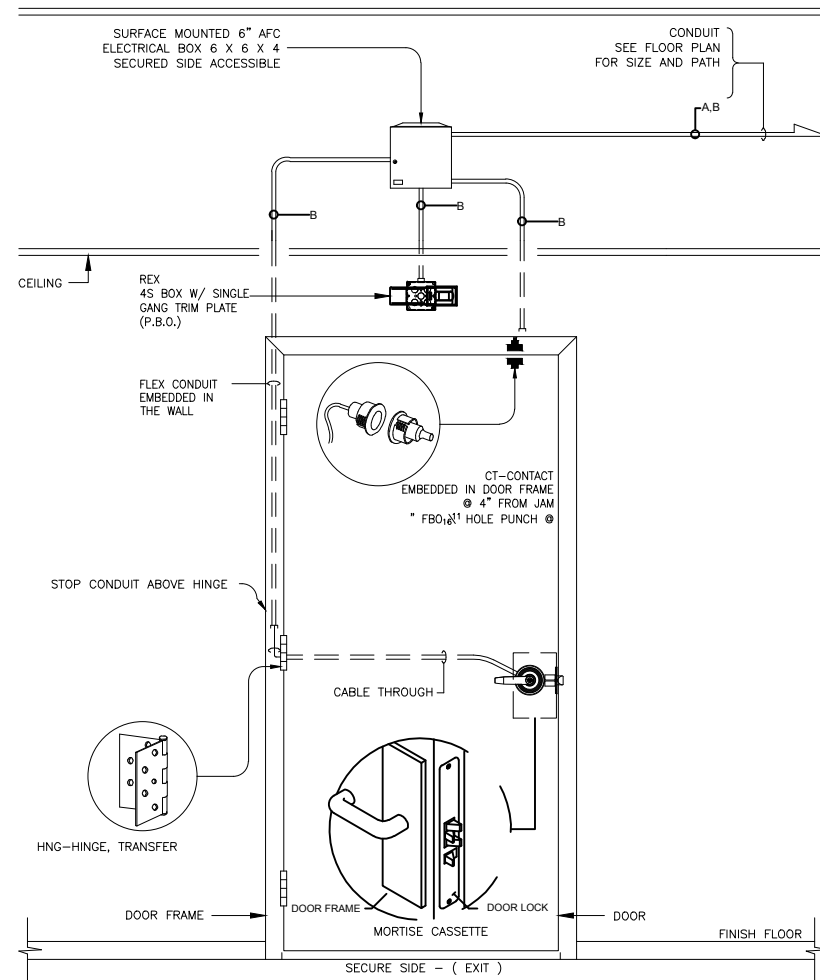
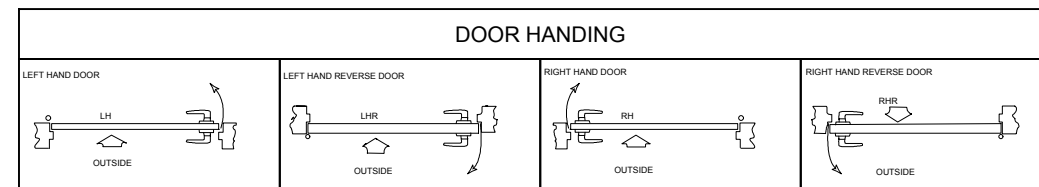
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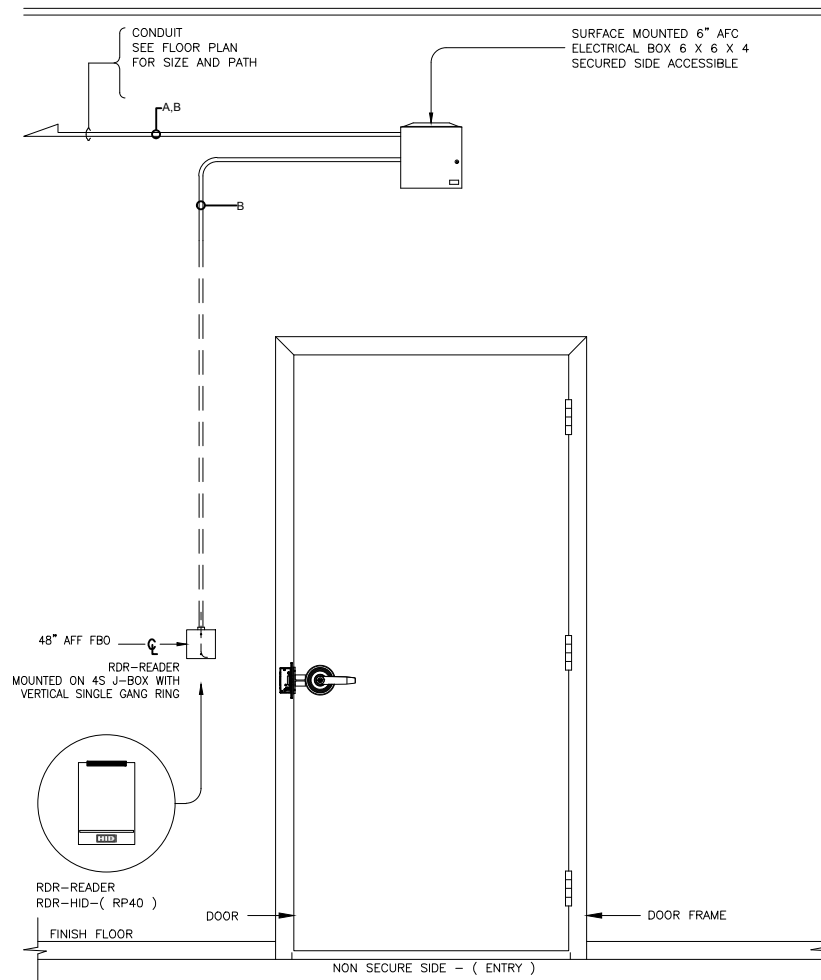
SINGLE DOOR - WITH CARD READER MORTISE LOCK, IDS KEYPAD & PIR REX
SCALE: 1.5" = 1'

1.A

CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-
	G CABLE, SHIELDED	6	22		CARD READER	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-



SINGLE DOOR - WITH CARD READER MORTISE LOCK & PIR REX
SCALE: NONE



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APPROVED BY

Date

12-05-18

Drawing Size

Original Size 17 X 11
Scale

Project Name

LACCD STANDARDS

Project Number

Sheet Title

SINGLE DOOR - WITH CARD READER
MORTISE LOCK, & PIR REX

Sheet Number

SC.02.09

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 PLOT: Wednesday, December 5, 2018 2:27:27 PM

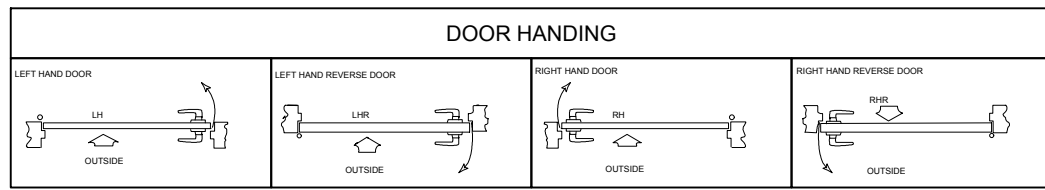
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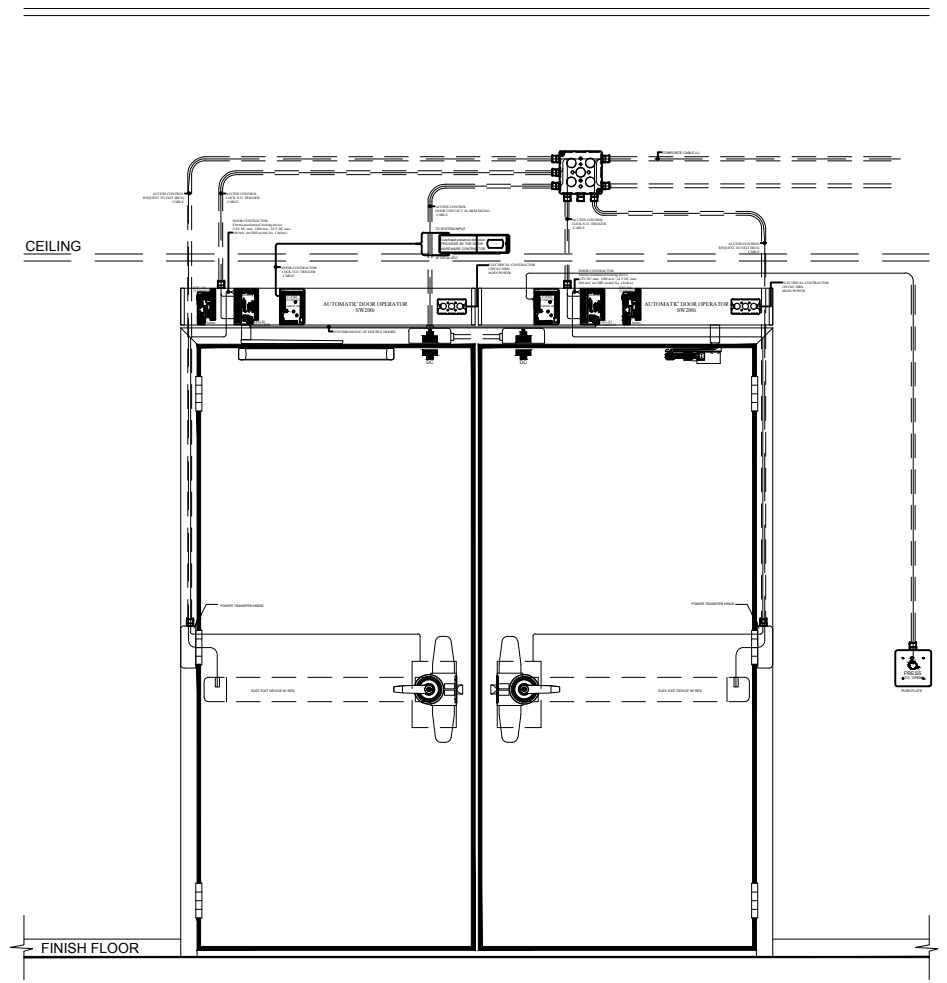
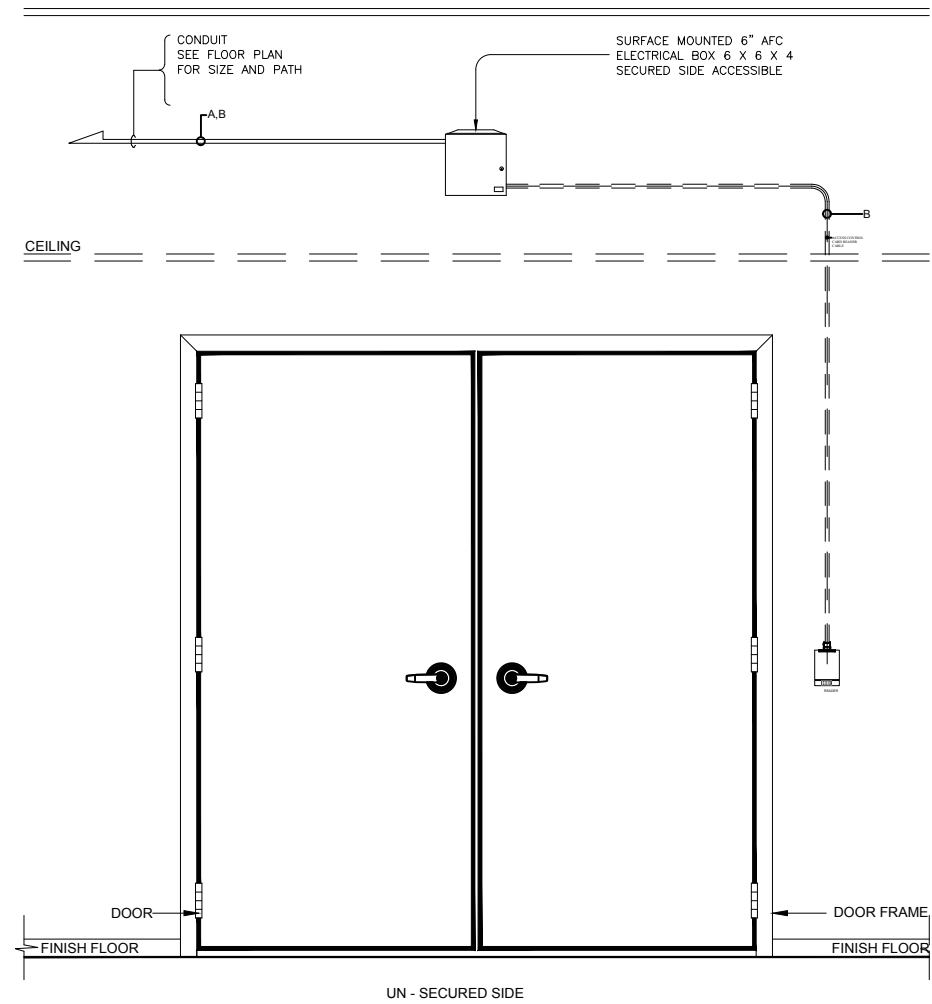
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DESIGNED BY	
CHECKED BY	
APPROVED BY	
Date	12-05-18
Drawing Size	17 X 11
Original Size	Scale
Project Name	LACCD STANDARDS
Project Number	
Sheet Title	DOUBLE DOOR - WITH CARD READER, AUTO OPERATOR & PANIC DEVICE
Sheet Number	

SC.02.10

CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
C	CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-
G	CABLE, SHIELDED	6	22		CARD READER	-
H	CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-



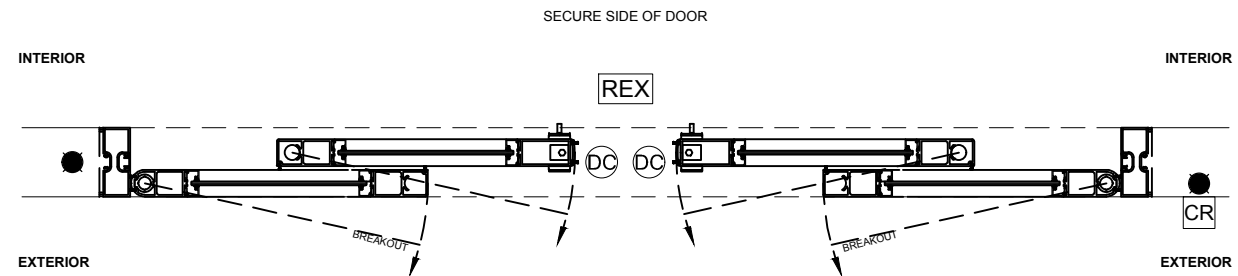
NOTE:



DOUBLE DOOR - WITH CARD READER, AUTO OPERATOR & PANIC DEVICE
 SCALE: NONE

NOT USED
 SCALE: 1.5" = 1'

1A



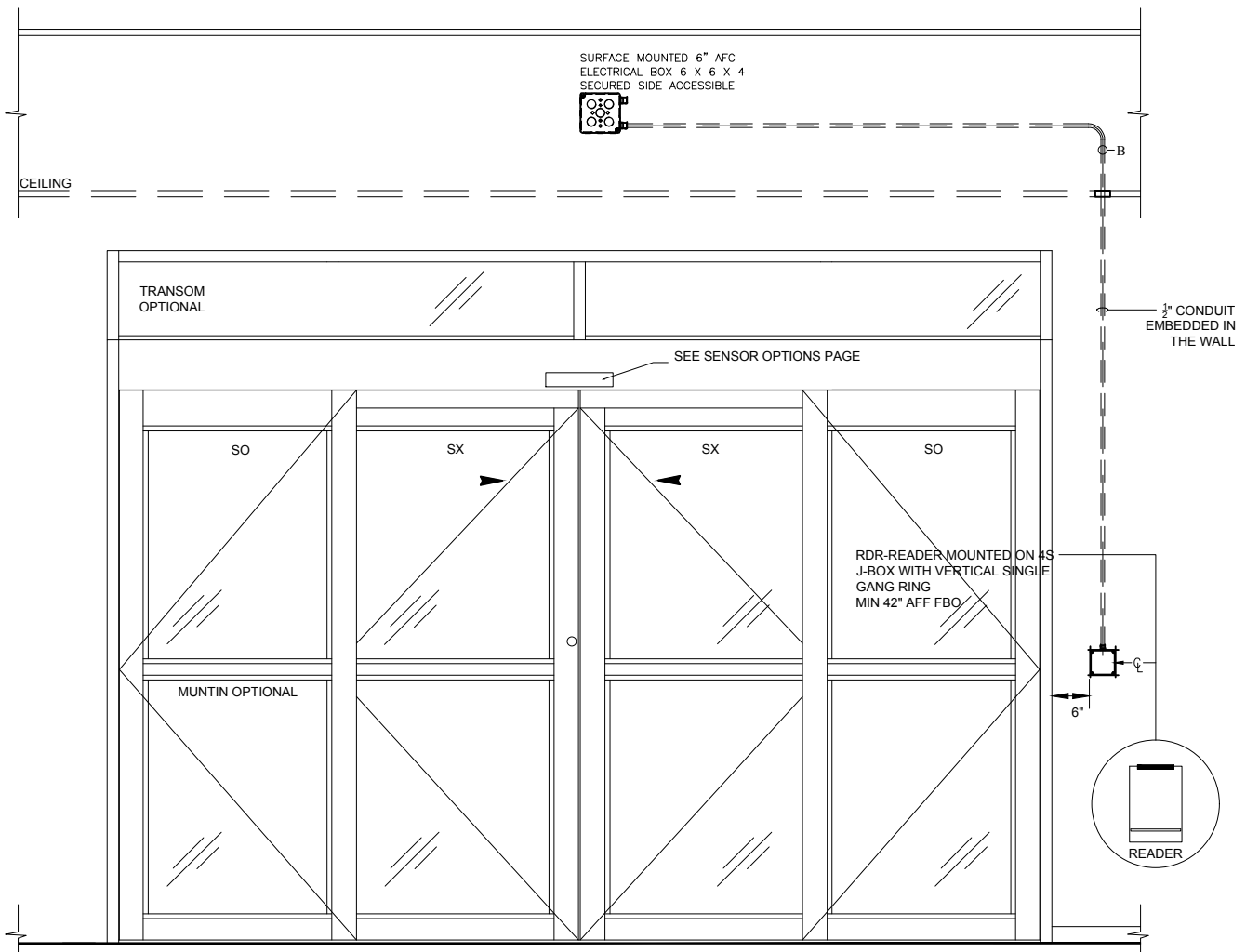
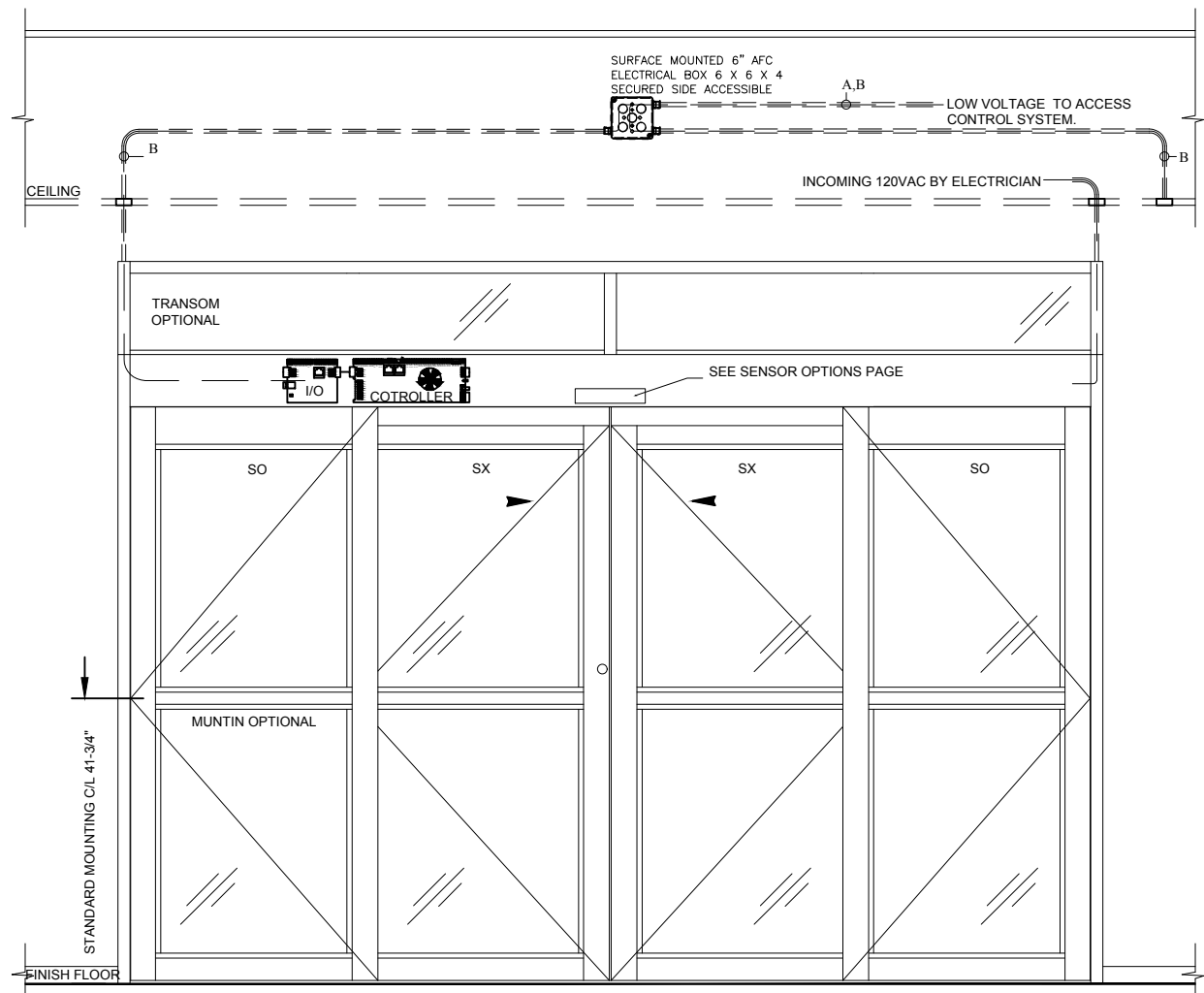
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TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
G	CABLE, SHIELDED	6	22	-	CARD READER	-
H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-

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AUTO OPERATOR DOOR
 SCALE: 1/8" = 1'

1A



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 12-05-18

Drawing Size
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Project Name
 LACCD STANDARDS

Project Number

Sheet Title

SLIDING DOOR WITH
 AUTO OPERATOR DOOR

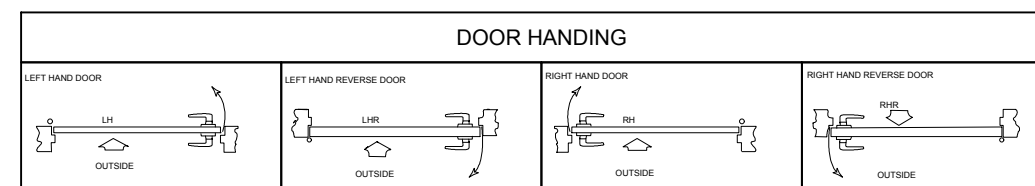
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SC.02.11

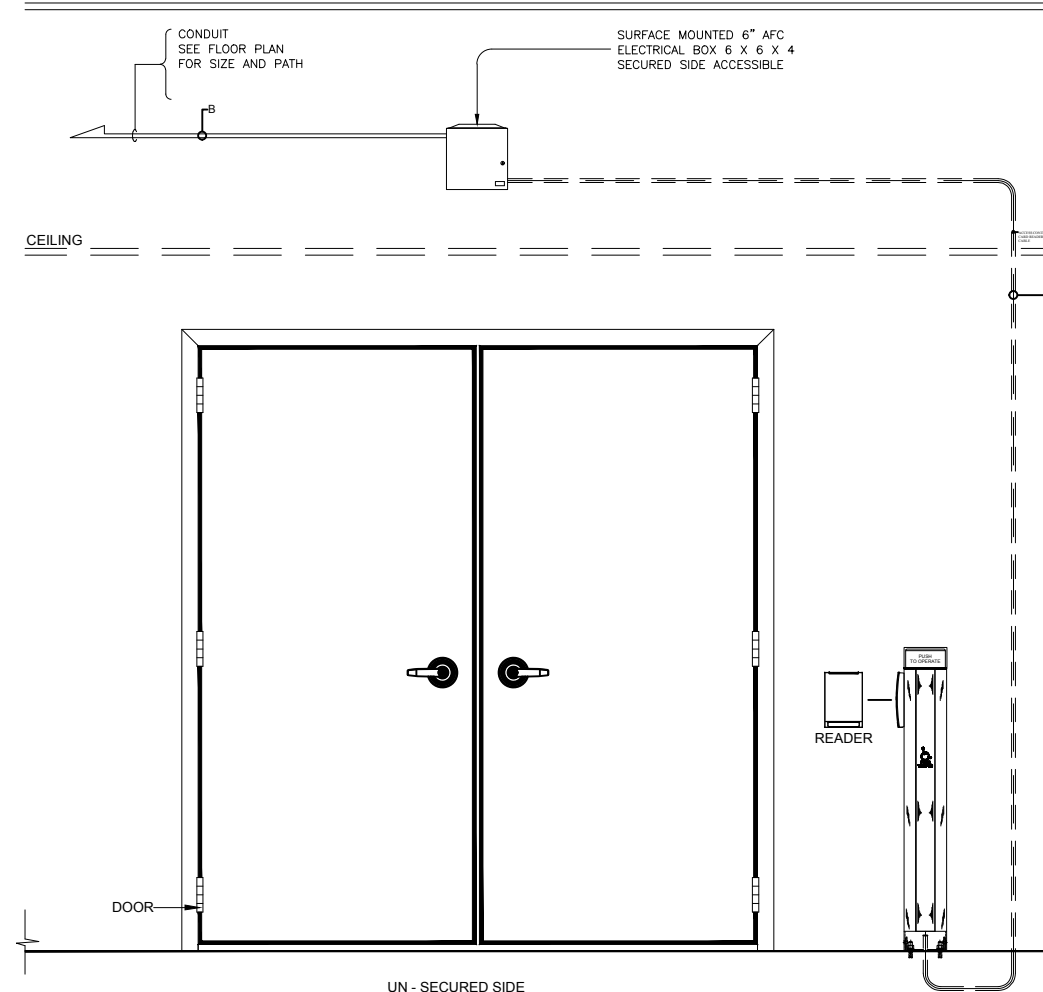
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CABLE DESIGNATION / TYPE							
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-	-
	G CABLE, SHIELDED	6	22		CARD READER	-	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-	-

NOTE:
CABLE INSTALLED BELOW GRADE SHALL BE RATED FOR IMMERSION IN WATER

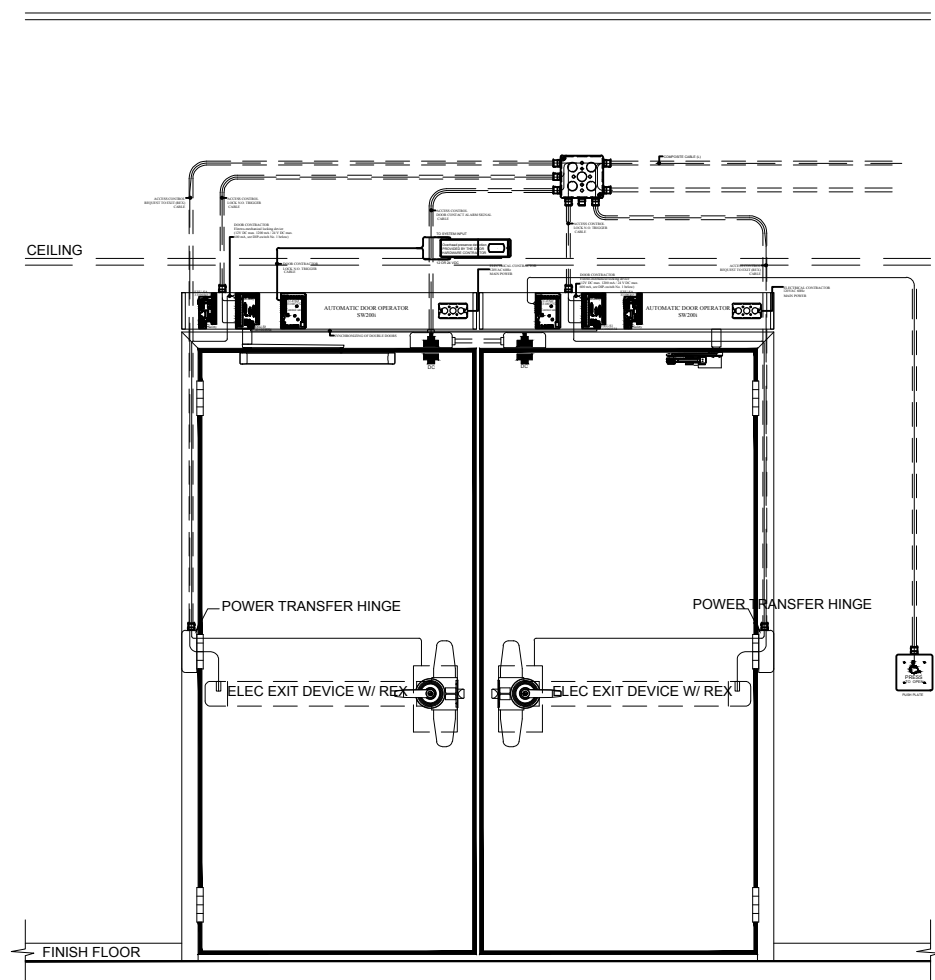


NOTE:



NOT USED
SCALE: 1.5" = 1'

1A



DOUBLE DOOR - WITH CARD READER, ADA PEDISTAL, AUTO OPERATOR & PANIC DEVICE
SCALE: NONE

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Scale

Project Name

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Project Number

Sheet Title

DOUBLE DOOR - WITH CARD READER,
ADA PEDISTAL, AUTO OPERATOR
& PANIC DEVICE

Sheet Number

SC.02.12

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Project Name

LACCD STANDARDS

Project Number

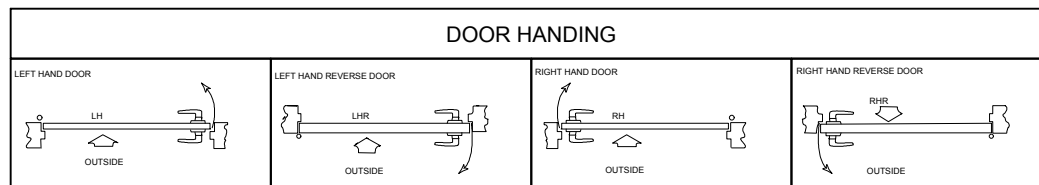
Sheet Title

SINGLE DOOR - WIRELESS LOCK & CARD READER

Sheet Number

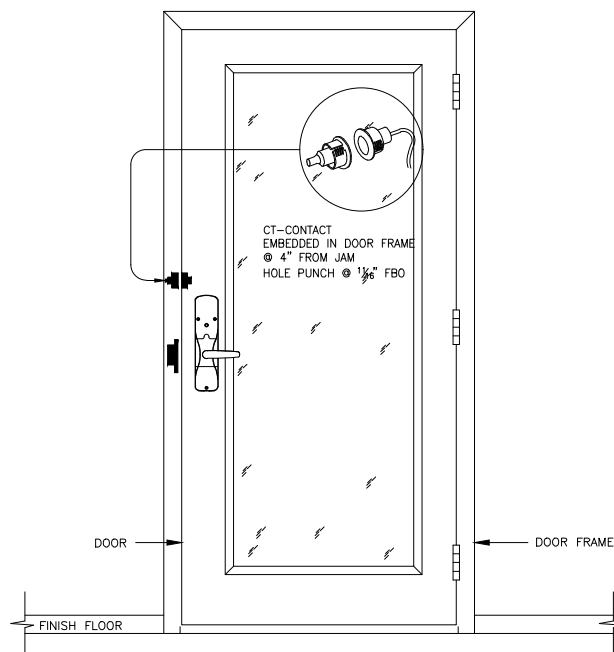
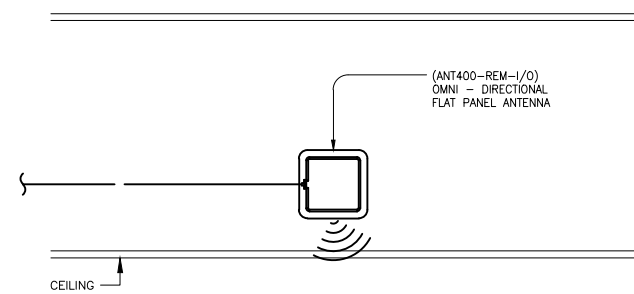
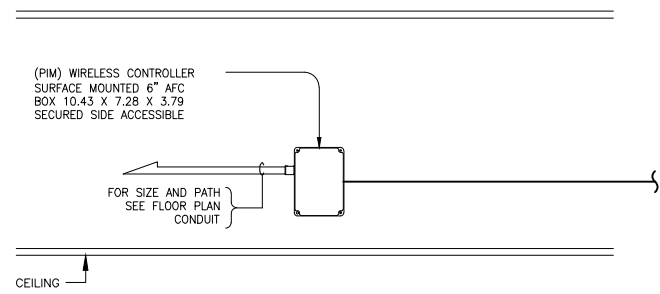
SC.02.13

CABLE DESIGNATION / TYPE							
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
B	A CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
	C CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-	-
	G CABLE, SHIELDED	6	22		CARD READER	-	-
	H CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-	-

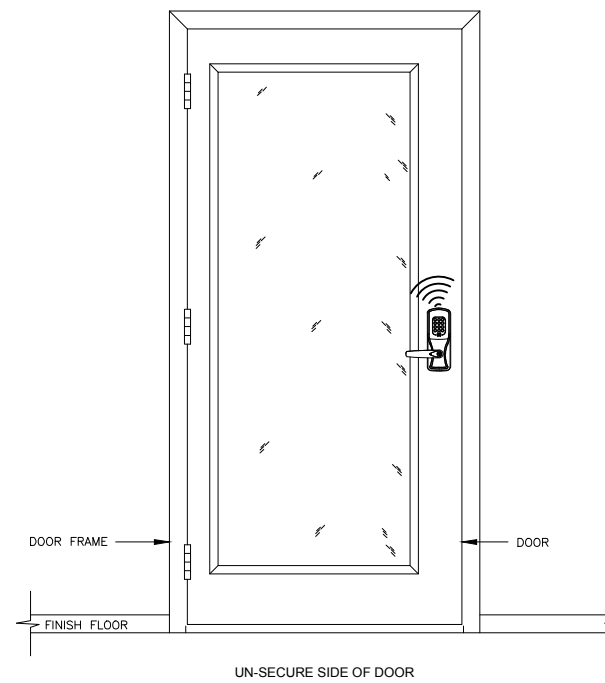


NOT USED
 SCALE: 1.5" = 1"

1A



SINGLE DOOR - WIRELESS LOCK & CARD READER
 SCALE: NONE



1

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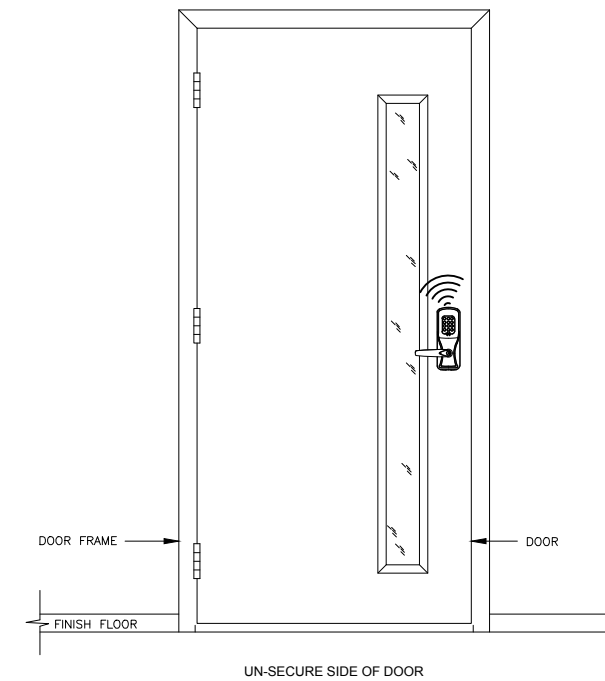
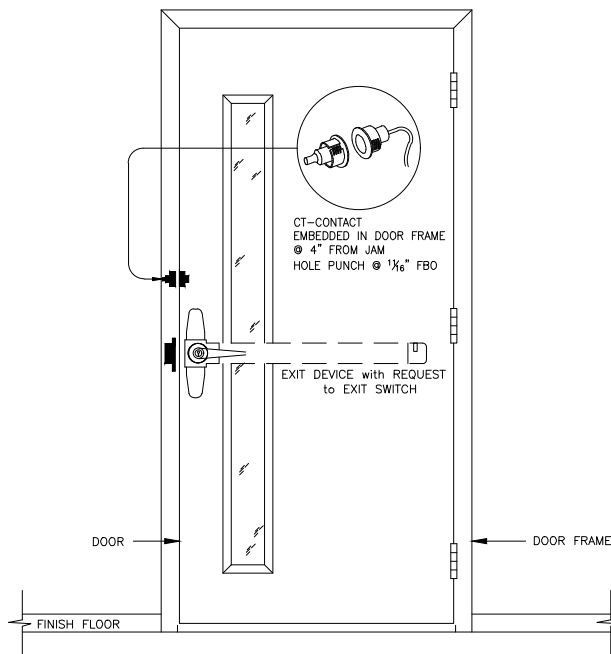
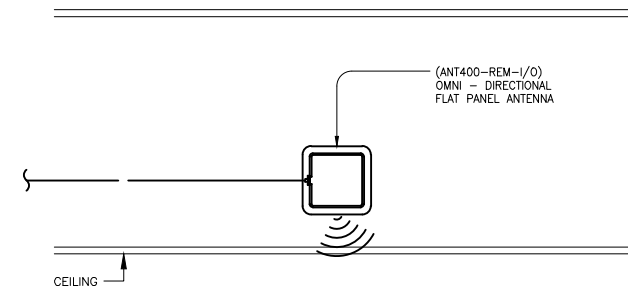
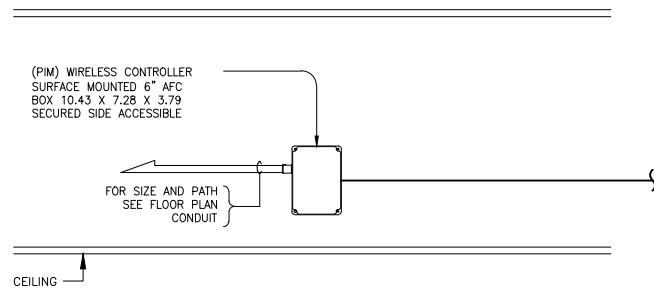
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CHECKED BY	
APPROVED BY	
Date	12-05-18
Drawing Size	17 X 11
Original Size	
Scale	
Project Name	LACCD STANDARDS
Project Number	
Sheet Title	SINGLE DOOR - WIRELESS LOCK, CARD READER & PANIC BAR
Sheet Number	SC.02.14

CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-
C	CABLE, UNSHIELDED	4	22	-	REQUEST TO EXIT	-
G	CABLE, SHIELDED	6	22	-	CARD READER	-
H	CABLE, UNSHIELDED	2	22	-	DOOR CONTACT SDPT	-

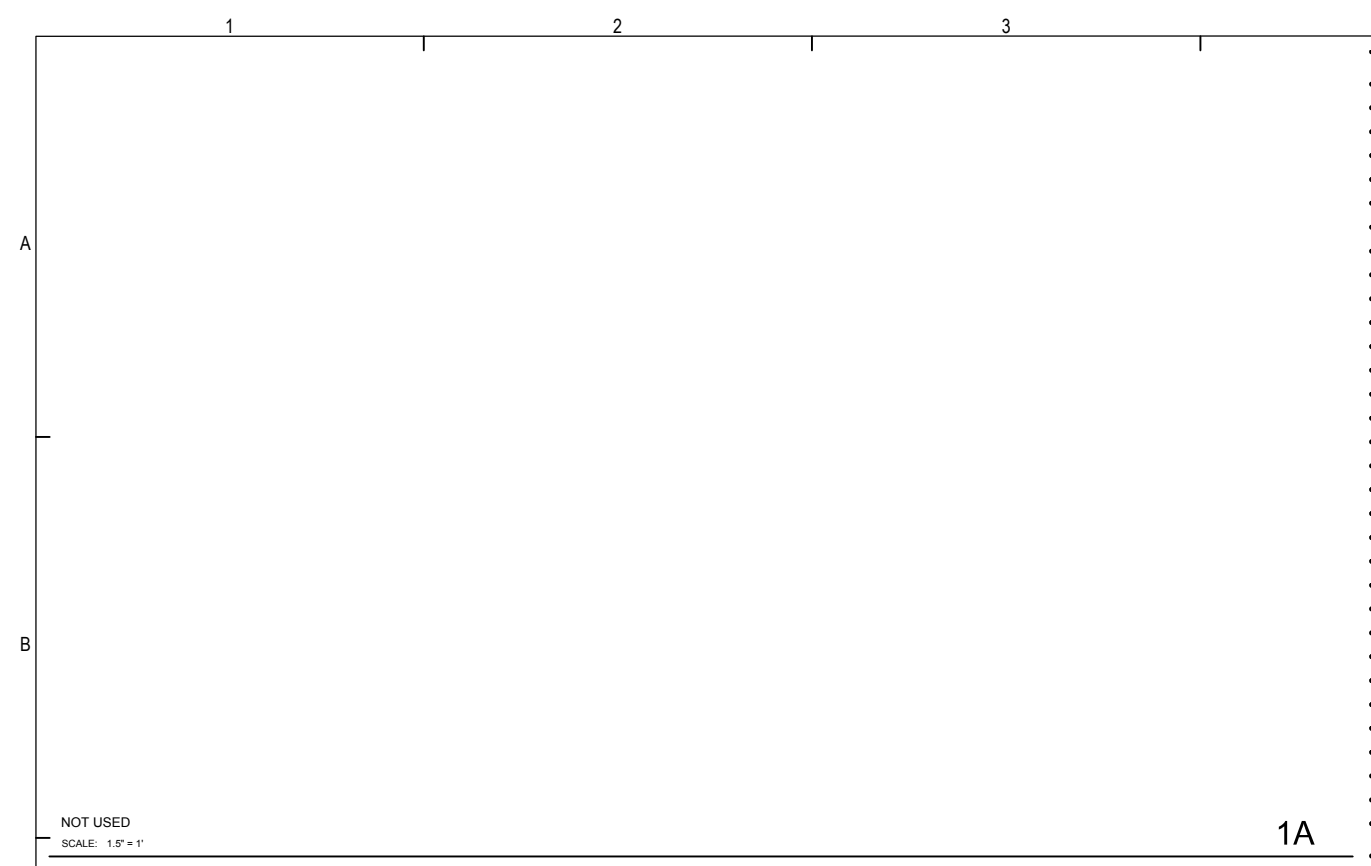


NOT USED
 SCALE: 1.5" = 1'

1A

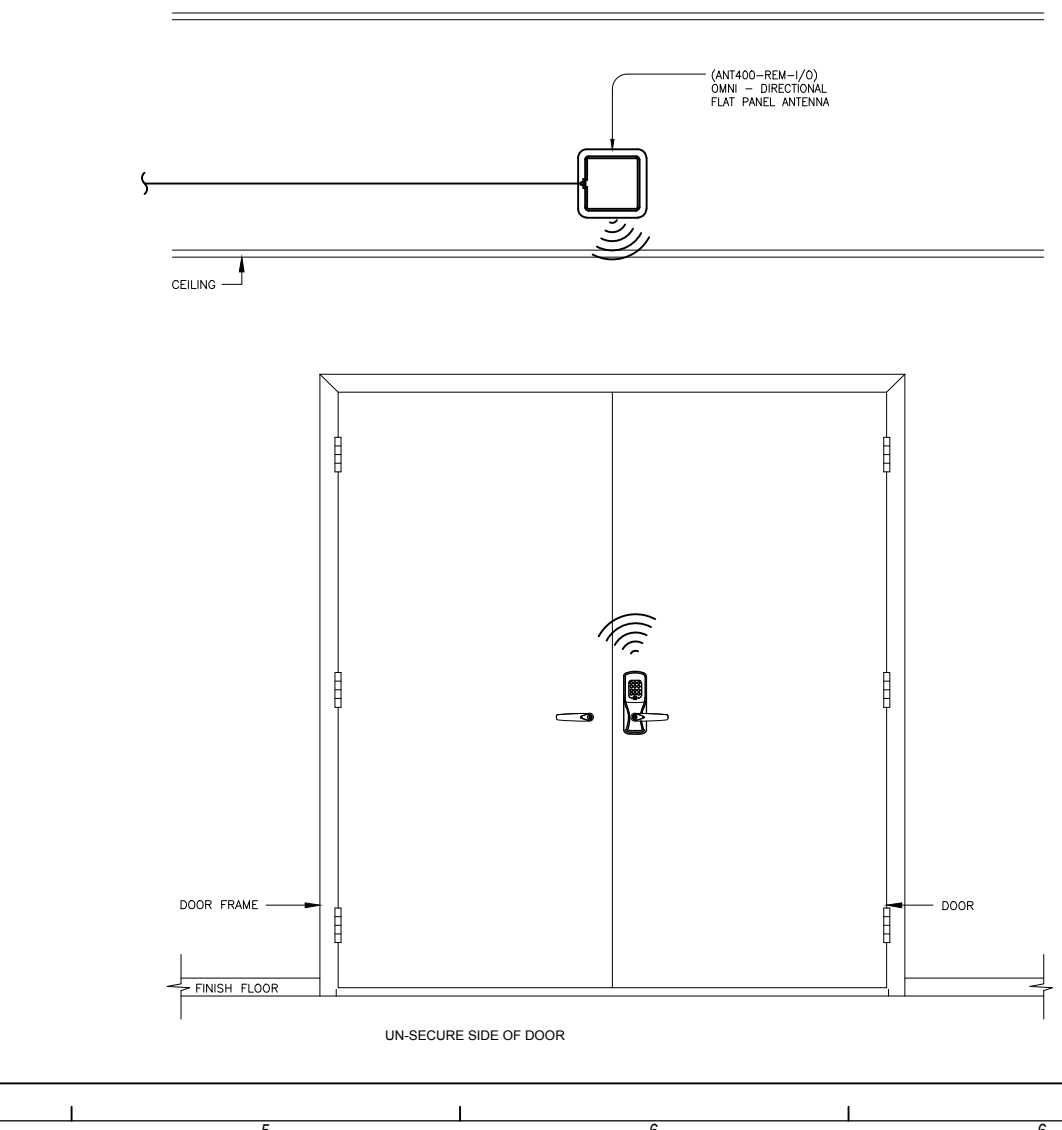
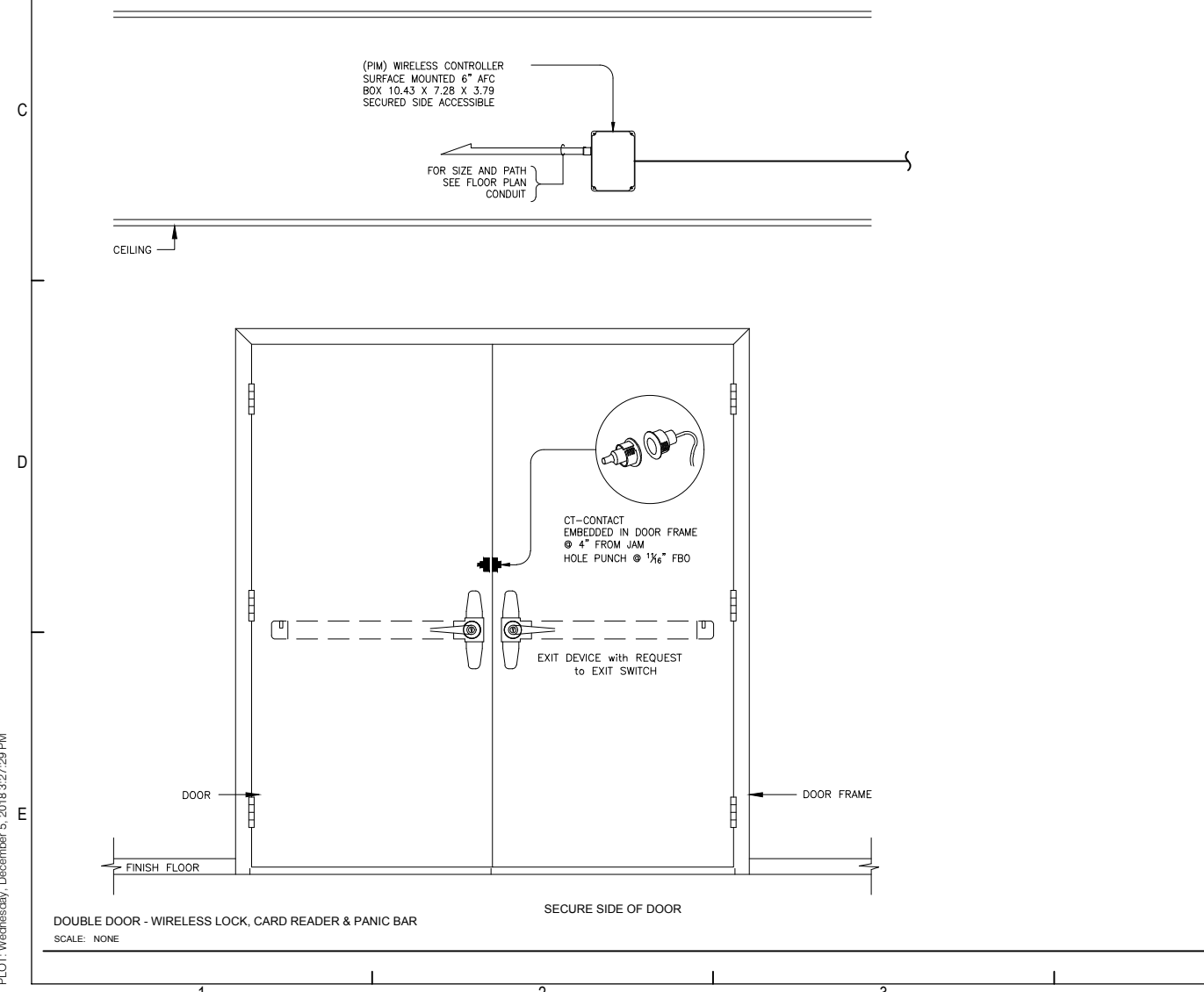
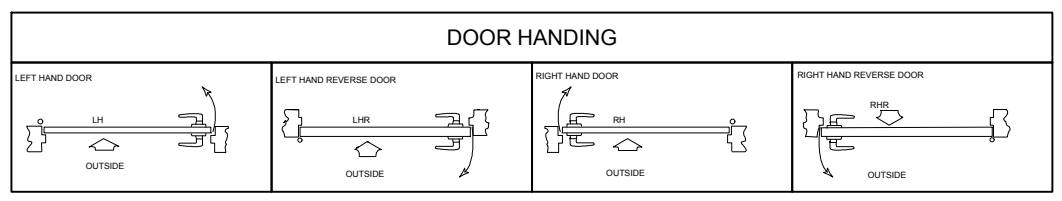


SINGLE DOOR - WIRELESS LOCK, CARD READER & PANIC BAR
 SCALE: NONE



CABLE DESIGNATION / TYPE

TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
C	CABLE, UNSHIELDED	4	22		REQUEST TO EXIT	-	-
G	CABLE, SHIELDED	6	22		CARD READER	-	-
H	CABLE, UNSHIELDED	2	22		DOOR CONTACT SDPT	-	-



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Date
12-05-18

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Original Size 17 X 11
Scale

Project Name
LACCD STANDARDS

Project Number

Sheet Title
DOUBLE DOOR - WIRELESS LOCK,
CARD READER & PANIC BAR

Sheet Number

SC.02.15

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 PLOT: Wednesday, December 3, 2016 2:27:28 PM

A

B

C

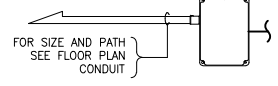
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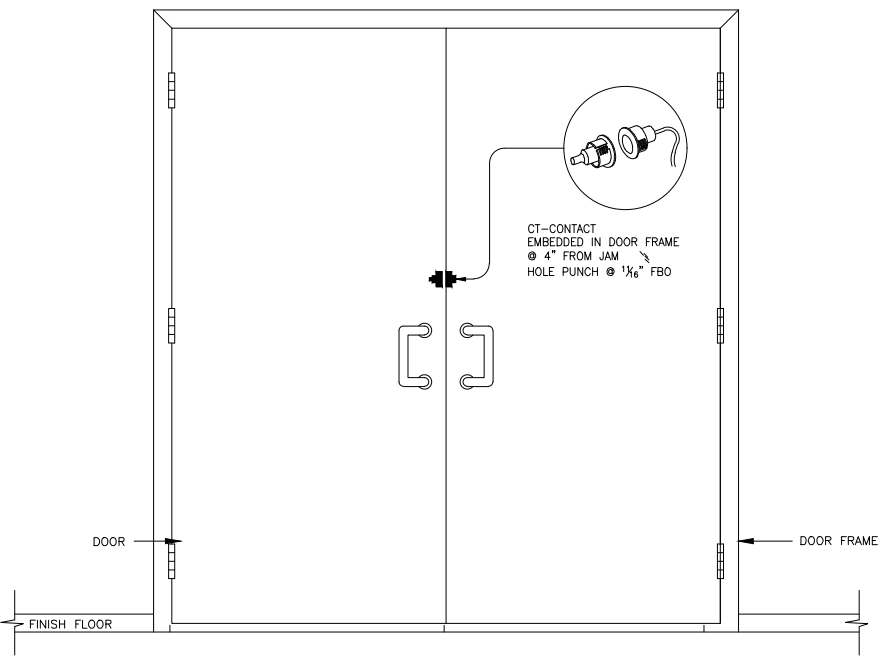
NOT USED
SCALE: 1.5" = 1'

1A

(PIM) WIRELESS CONTROLLER
SURFACE MOUNTED 6" AFC
BOX 10.43 X 7.28 X 3.79
SECURED SIDE ACCESSIBLE



CEILING

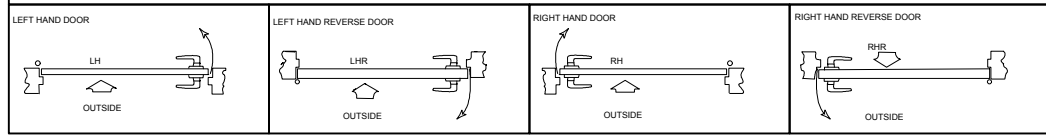


DOUBLE DOOR - WIRELESS LOCK & CARD READER
SCALE: NONE

CABLE DESIGNATION / TYPE

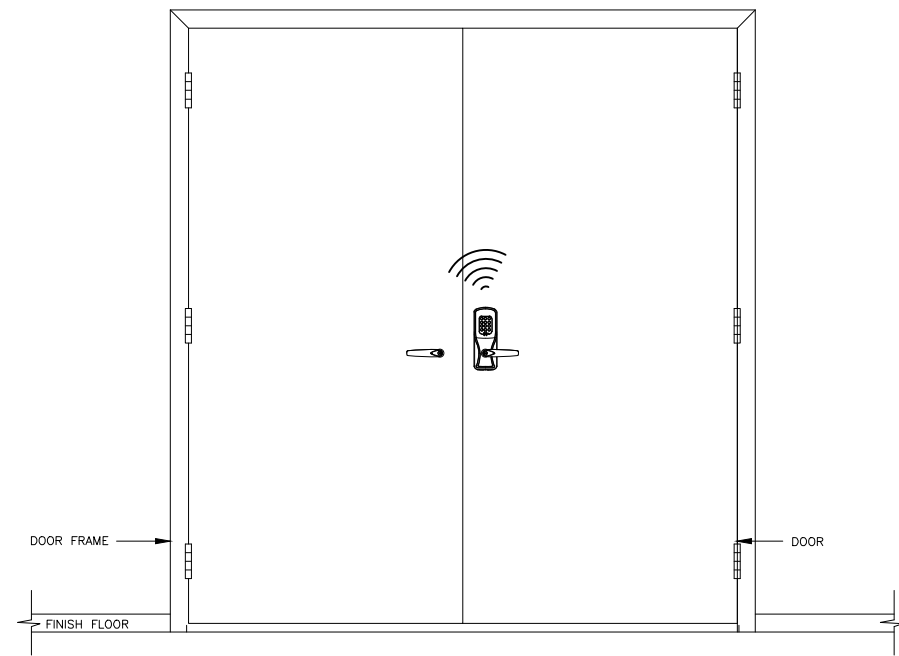
TYPE	DESCRIPTION	COND.	AWG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER
A	CABLE, CAT-6	4 PAIR	23	.181	NETWORK, PACS WORKSTATION & SERVER	-	-
A	CABLE, UNSHIELDED	2	18	.380	LOCK POWER	-	-
C	CABLE, UNSHIELDED	4	22	↓	REQUEST TO EXIT	-	-
G	CABLE, SHIELDED	6	22	↓	CARD READER	-	-
H	CABLE, UNSHIELDED	2	22	↓	DOOR CONTACT SDPT	-	-

DOOR HANDING



(ANT400-REM-1/0)
OMNI - DIRECTIONAL
FLAT PANEL ANTENNA

CEILING



UN-SECURE SIDE OF DOOR

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Date

12-05-18

Drawing Size

17 X 11

Original Size
Scale

Project Name

LACCD STANDARDS

Project Number

Sheet Title

DOUBLE DOOR - WIRELESS LOCK & CARD READER

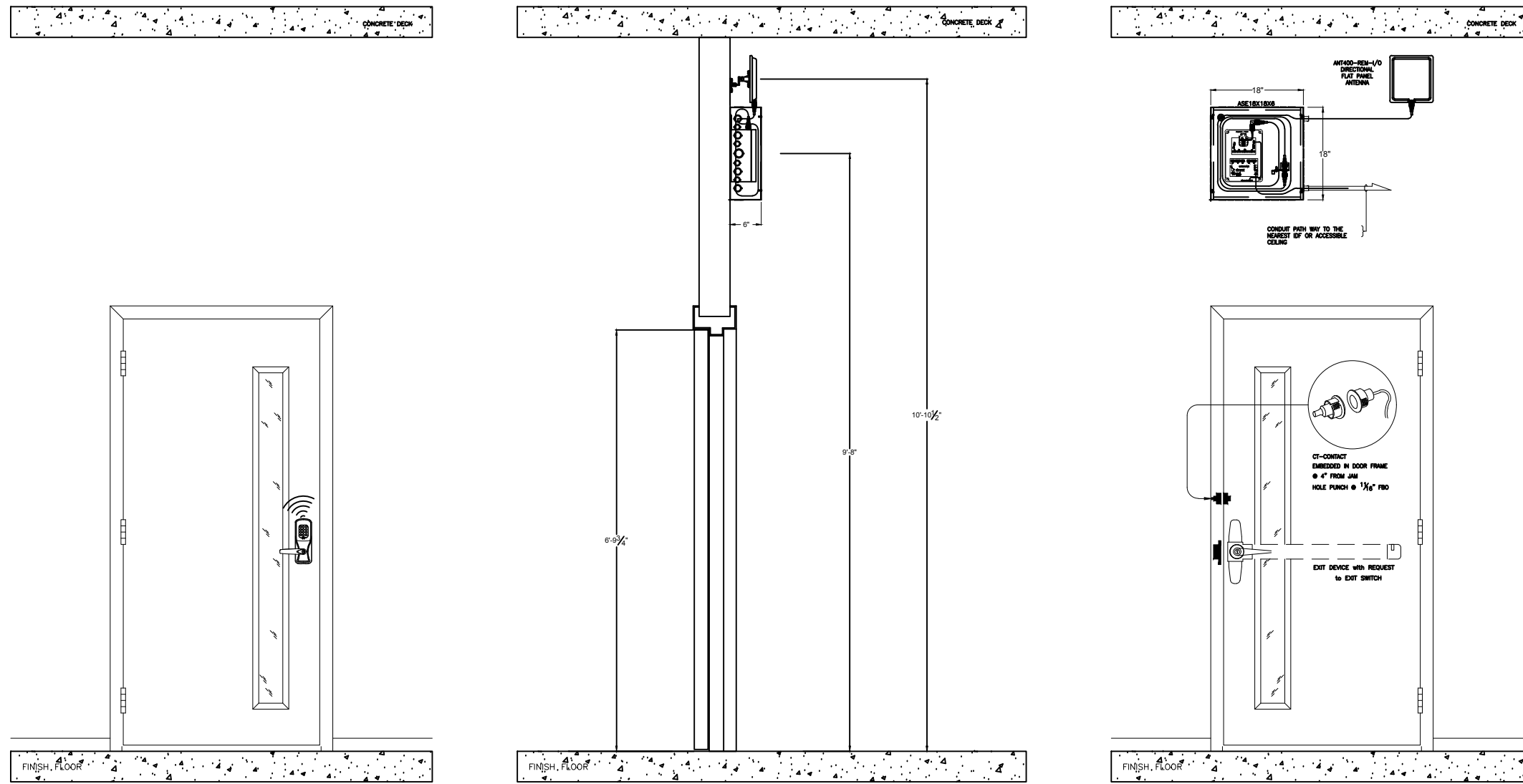
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SC.02.16

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 PLOT: Wednesday, December 5, 2018 2:27:50 PM



TYPICAL - WIRELESS LOCKING HARDWARE WITH ENCLOSURE - DOOR ELEVATION
 SCALE: NONE

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Drawing Size
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Project Name
 LACCD STANDARDS

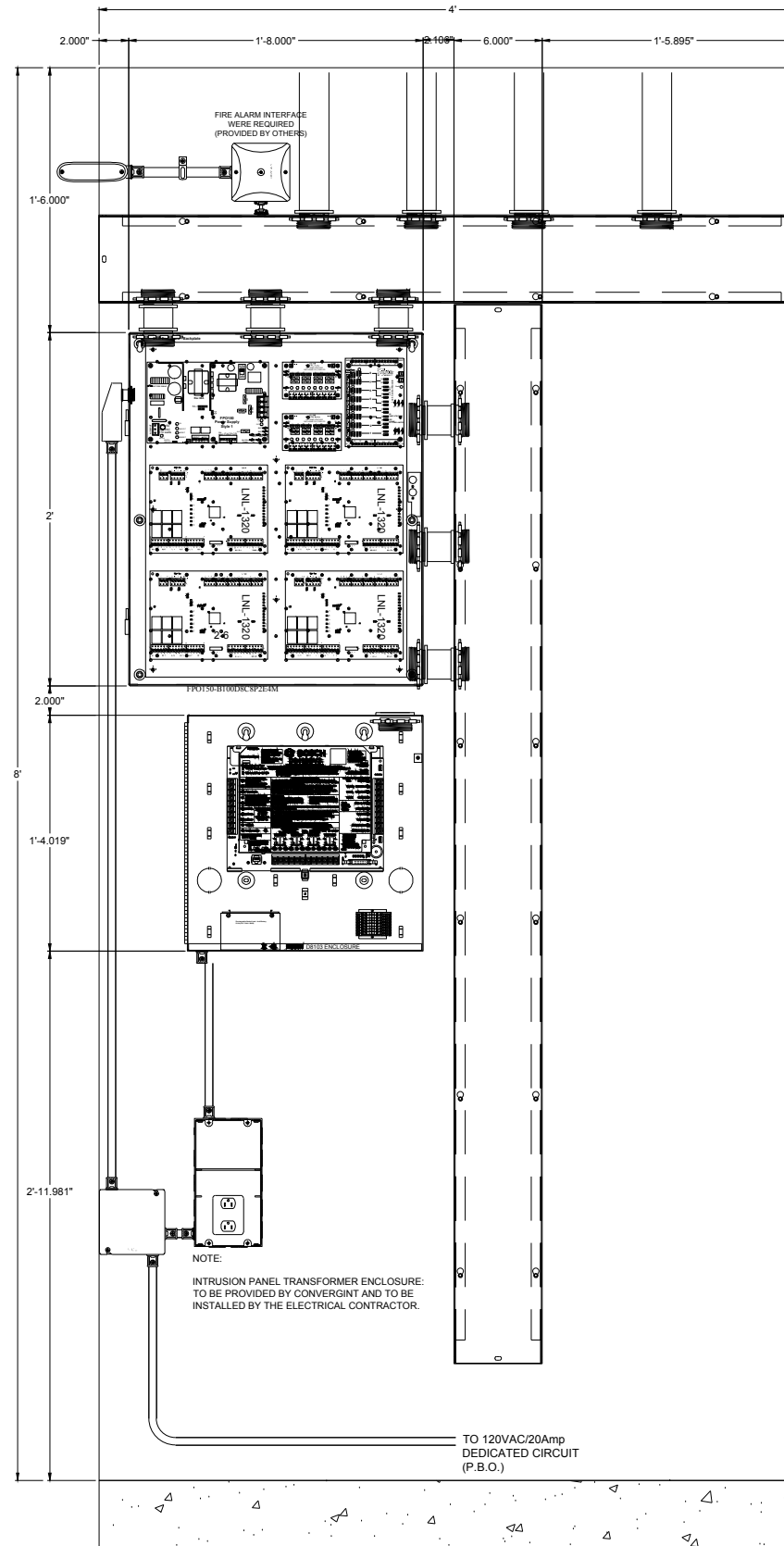
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Sheet Title
 TYPICAL - WIRELESS LOCKING HARDWARE WITH ENCLOSURE DOOR ELEVATION

Sheet Number

1 SC.02.17

SHEET ELEVATION EQUIPMENT AND MATERIAL LIST				
ITEM	PART No.	MANUFACTURER	DESCRIPTION	QTY.
①	FPO150-B100D8C8P2E4M	LIFESAFETY POWER	MCLASS™ UNIFIED POWER SYSTEM, NETWORKED 400W / 12 & 24VDC / 8 DOORS, 8 Lock / 8 AUXILIARY OUTPUTS	1
E4M		LIFESAFETY POWER	ENCLOSURE (24" T X 20" W X 4.5" D)	
②	NP7-12	YUASA	(2) 12VDC, 12 AH BATTERIES	3
③	LNL-4420	LENEL	DUAL READER INTERFACE MODULE	1
④	LNL-1320	LENEL	DUAL READER INTERFACE MODULE	3



TYPICAL - ACCESS CONTROL PANEL - ELEVATION DETAIL
SCALE:

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Scale

Project Name
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Project Number

Sheet Title
TYPICAL - ACCESS CONTROL PANEL
ELEVATION DETAIL

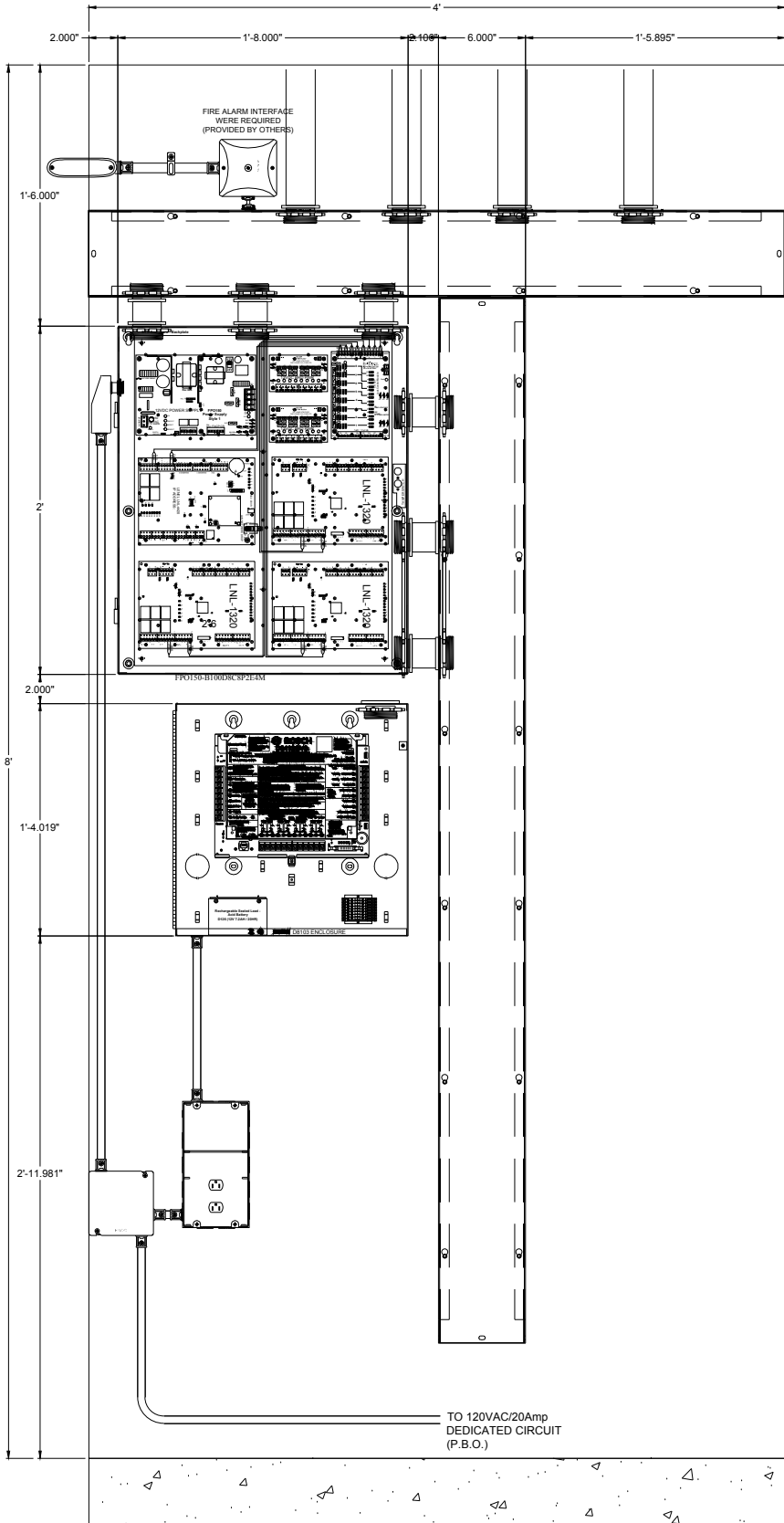
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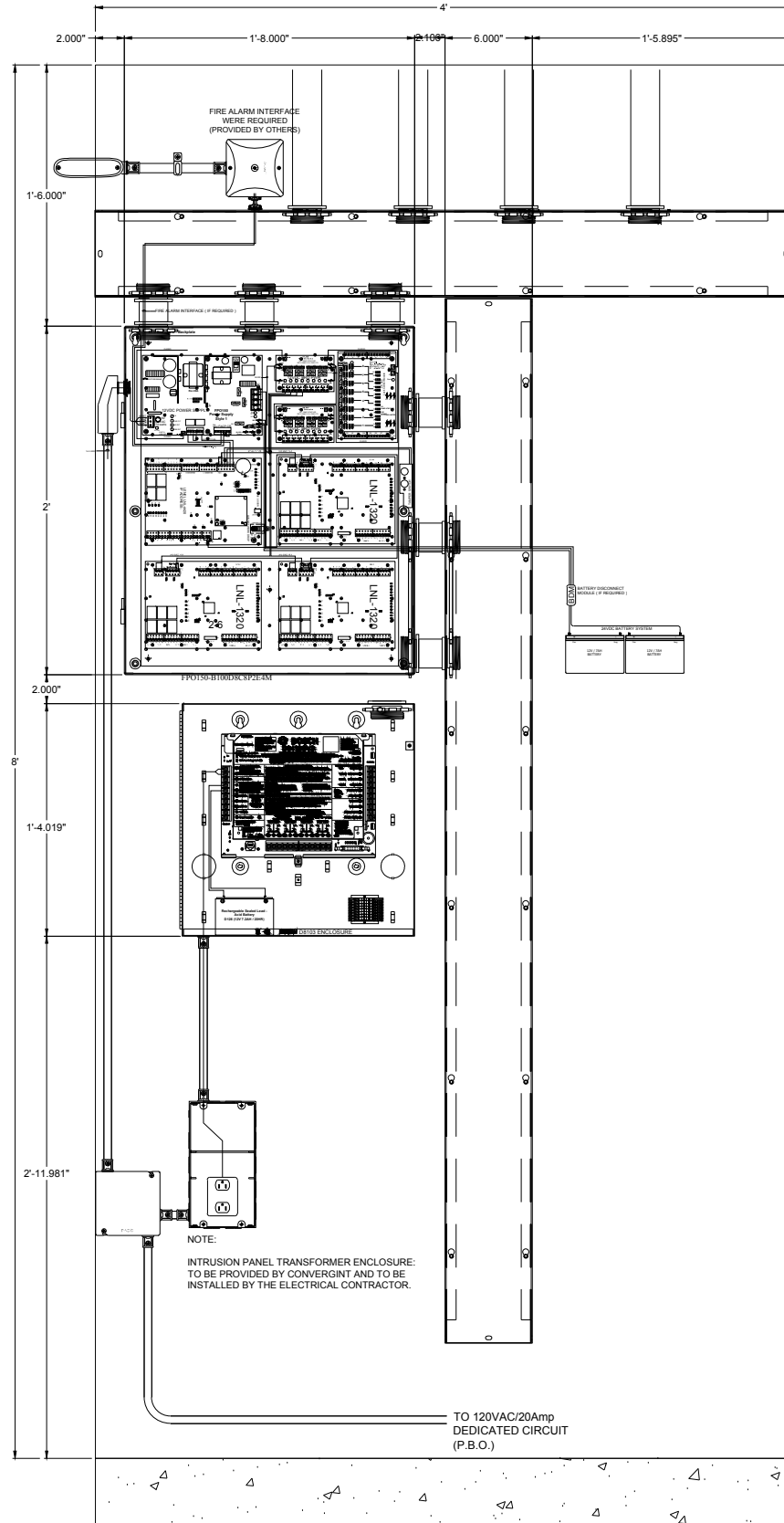
SHEET ELEVATION EQUIPMENT AND MATERIAL LIST				
ITEM	PART No.	MANUFACTURER	DESCRIPTION	QTY.
①	FPO150-B100D8CP2E4M	LIFESAFETY POWER	MCLASS™ UNIFIED POWER SYSTEM, NETWORKED 400W / 12 & 24VDC / 8 DOORS, 8 Lock / 8 AUXILIARY OUTPUTS	1
	E4M	LIFESAFETY POWER	ENCLOSURE (24" T X 20" W X 4.5" D)	
②	NP7-12	YUASA	(2) 12VDC, 12 AH BATTERIES	3
③	LNL-4420	LENEL	DUAL READER INTERFACE MODULE	1
④	LNL-1320	LENEL	DUAL READER INTERFACE MODULE	3



TYPICAL - ACCESS CONTROL PANEL INTERNAL LOCK WIRING
SCALE:

2

SHEET ELEVATION EQUIPMENT AND MATERIAL LIST				
ITEM	PART No.	MANUFACTURER	DESCRIPTION	QTY.
①	FPO150-B100D8CP2E4M	LIFESAFETY POWER	MCLASS™ UNIFIED POWER SYSTEM, NETWORKED 400W / 12 & 24VDC / 8 DOORS, 8 Lock / 8 AUXILIARY OUTPUTS	1
	E4M	LIFESAFETY POWER	ENCLOSURE (24" T X 20" W X 4.5" D)	
②	NP7-12	YUASA	(2) 12VDC, 12 AH BATTERIES	3
③	LNL-4420	LENEL	DUAL READER INTERFACE MODULE	1
④	LNL-1320	LENEL	DUAL READER INTERFACE MODULE	3



TYPICAL - ACCESS CONTROL PANEL INTERNAL POWER AND COMMUNICATION
SCALE:

1

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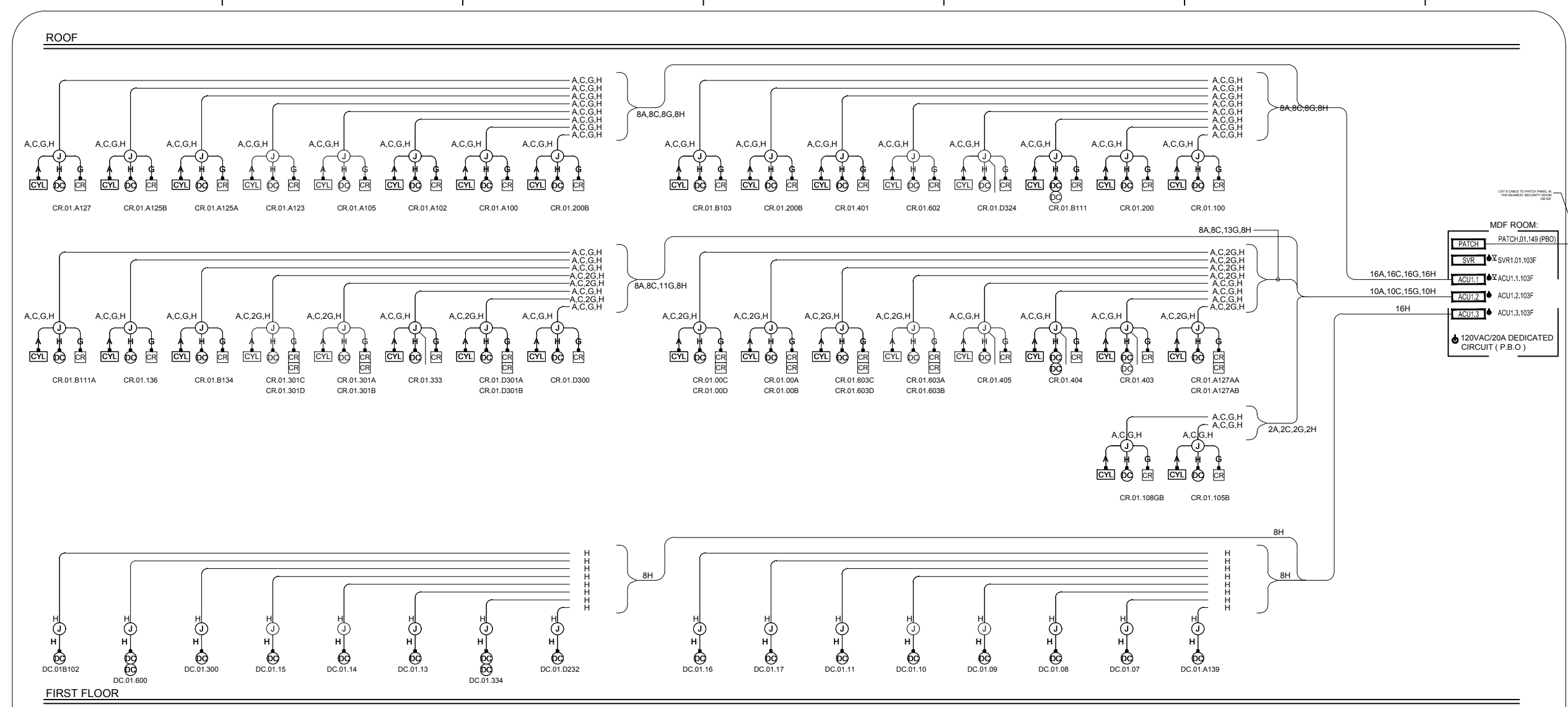
Project Name	LACCD STANDARDS
Project Number	

Sheet Title	TYPICAL - ACCESS CONTROL PANEL INTERNAL POWER AND COMM INTERNAL LOCK WIRING
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Sheet Number	SC.05.02
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SC.05.02

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 Scale

Project Name
 LACCD STANDARDS

Project Number

Sheet Title
 TYPICAL BUILDING SINGLE DIAGRAM

Sheet Number
 SC.06.01

ACCESS CONTROL DEVICE LEGEND

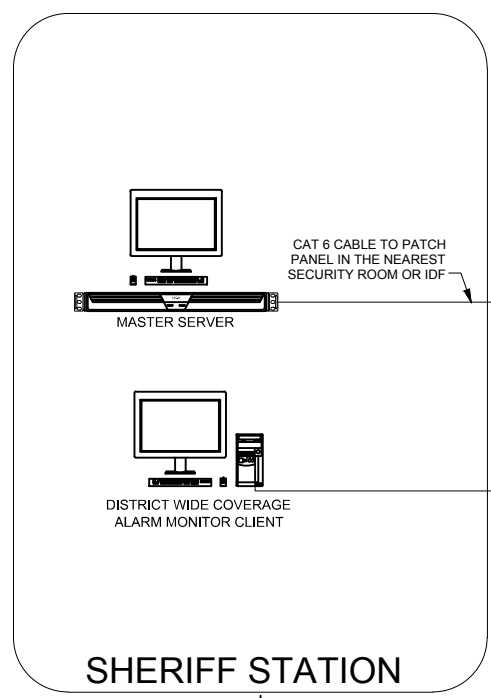
SYMBOL	DESCRIPTION	PART NO.	MANUFACTURER	QTY.	CABLE TAG	WIRE	NOTES
ACP	ACCESS CONTROL PANEL	100000000000	LIFESAFETY	--	F.B.O.	120VAC EMERGENCY 20AMP CKT	--
AUTO OP	AUTO OPERATOR PROVIDED BY OTHERS		P.B.O.	--	E	LAN WAN CONNECTION	--
CR	CARD READER	RP40 - 920P	HID	--	G	3PR / 22 STRND INDIVIDUALLY / SHIELDED PLENUM CMP	--
DC	DOOR CONTACT - RECESSED	1078C-VV	SENTRON	--	H	3PR / 22 STRND INDIVIDUALLY / SHIELDED PLENUM CMP	--
MTL	MORTISE LOCK - PROVIDED BY OTHERS (F.B.O.)			--	A	184 STRANDED NON SHIELDED PLENUM CMP	--
ST	ELECTRIC STRIKE LOCK - TO BE PROVIDED (F.B.O.)			--	A	184 STRANDED NON SHIELDED PLENUM CMP	--

ACCESS CONTROL DEVICE LEGEND

SYMBOL	DESCRIPTION	PART NO.	MANUFACTURER	QTY.	CABLE TAG	WIRE	NOTES
PIV	WIRELESS LOCK - INTELEGENT CONTROLLER	PIM400-48S	LENEL	--	E	LAN WAN CONNECTION	--
RA	REMOTE ANTENNA - FOR WIRELESS LOCK	ANT400-REM40	LENEL	--	X=A & B	SIAMSESE RG59 SIAMSESE 18/2	--
CR	NETWORK WIRELESS LOCK / CARD READER	AD 400 Series	SCHLAGE	--			--

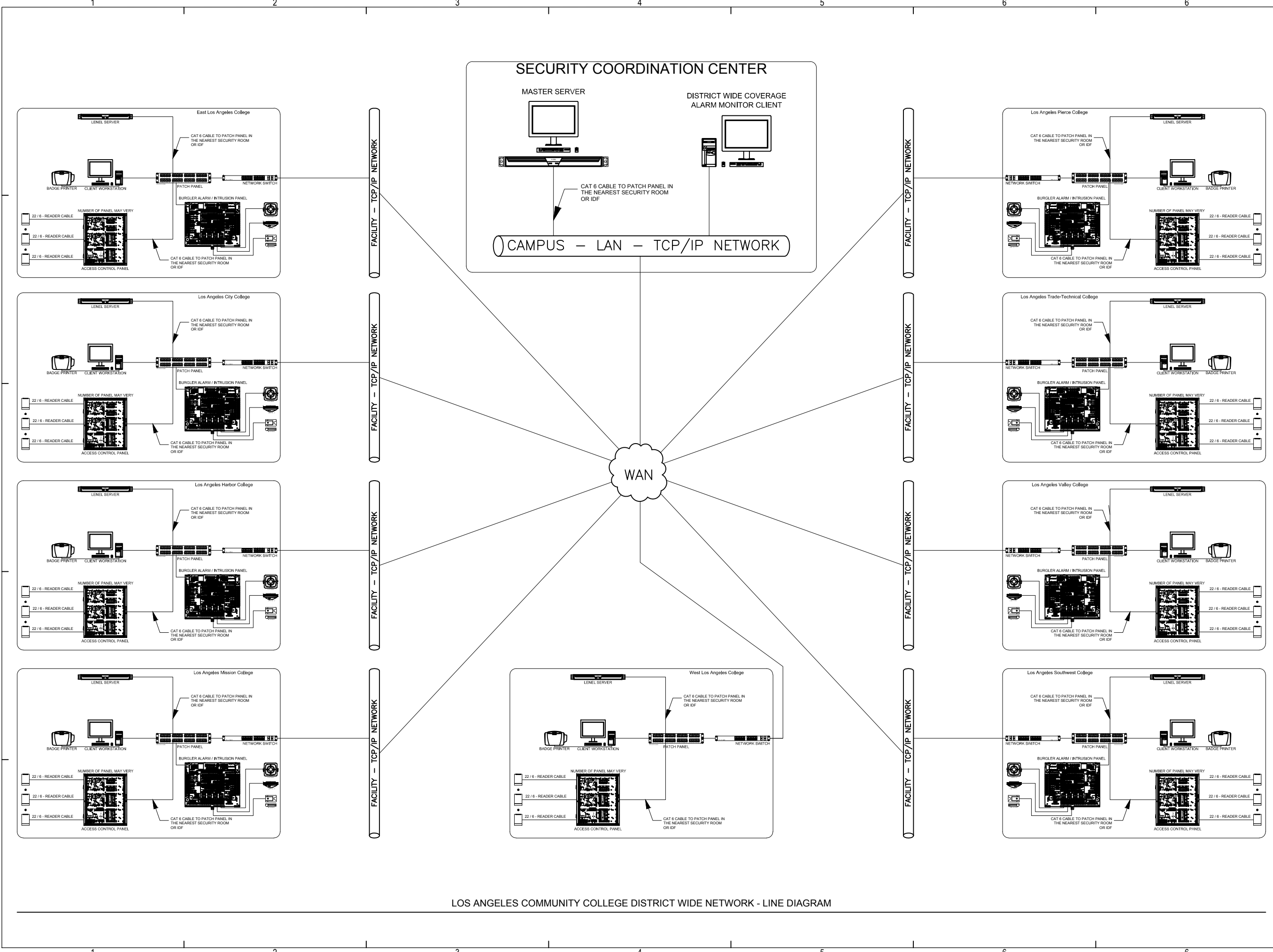
CONSTRUCTION DEVICE LEGEND - F.B.O.

SYMBOL	DESCRIPTION	PART NO.	MANUFACTURER	QTY.	CABLE TAG	WIRE	NOTES
J	GALVANIZED JUNCTION / PULL BOX	F.B.O.		--			--
ED	ETHERNET DROP	F.B.O.		--	E	LAN WAN CONNECTION	--
⚡	120VAC POWER REQUIRED	F.B.O.		--	F.B.O.	120VAC EMERGENCY 20AMP CKT	--



CAMPUS - LAN - TCP/IP NETWORK - P.B.O.

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LOS ANGELES COMMUNITY COLLEGE DISTRICT WIDE NETWORK - LINE DIAGRAM

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Date
12-05-18

Drawing Size
Original Size 17 X 11
Scale

Project Name
LACCD STANDARDS

Project Number

Sheet Title
LOS ANGELES COMMUNITY COLLEGE
DISTRICT WIDE NETWORK
LINE DIAGRAM

Sheet Number
SC.06.02

1.7 IDENTIFICATION AND TAGGING

A. Cables, Wires, Wiring Forms, Terminal Blocks and Terminals

- 1. Use wire marking format contained in the shop drawings shall be utilized for conductors
2. Cables and wires shall be identified, utilizing heat-shrink, machine-printed, polyolefin wire markers within 1" from jacket end
B. Should a situation arise where the wire tagging format as shown on the shop drawings cannot be used, a substitute format shall be submitted which complies with the intent to provide documentation that will permit end-to-end tracing of all system wiring
C. Terminal points shall be appropriately identified and labeled as shown on shop drawings

- D. NOT USED Exterior Readers (Example, Colors to be Approved)
a. LINE 1: *FOR ASSISTANCE WITH CARD READER*
b. LINE 2: *PLEASE CALL DPS AT*
c. LINE 3: BLANK *213-740-6000*
d. LINE 4: BLANK
e. LINE 5: BLANK
f. LINE 6: *DEVICE NAME: BLD_DOORNAME* WHERE BLD_DOORNAME IS THE NAME OF THE DOOR AS PROGRAMMED IN THE Access Alarm SYSTEM

E. Nameplates - General

- 1. Provide laminated, engraved plastic nameplates with 3/8 inch high letters for all panels, enclosures and cabinets. Attach nameplates to gear with sheet metal screws where applicable.
2. Include nameplate schedule on shop drawing submittals or specifically show on drawings and elevations
3. Install nameplates BEHIND panel door in public areas and on panel face in equipment rooms
4. Nameplate Color Schedule:
a. Fed from Normal Building Power: Black letter on White label
b. Fed from Emergency / Generator Power: White letters on Red label

F. Panels:

Shall be provided with permanently attached engraved laminaid labels, as described in Item E, with identifying names and functions. Labels shall be consistent in form, color, and typeface throughout the system and must contain the name of the system or subsystem a part of the label textual information

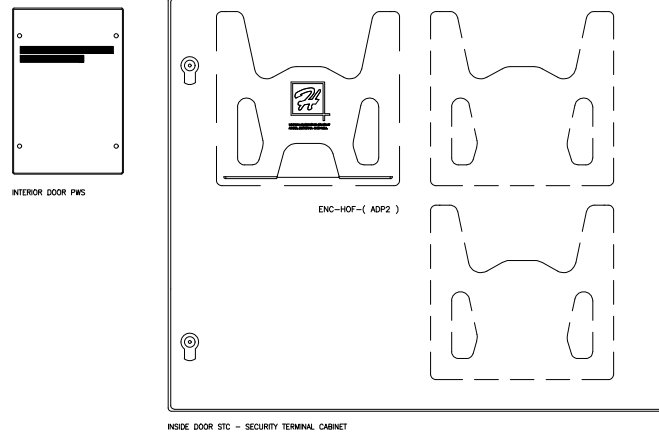
G. Equipment / Equipment Racks:

Provide an engraved laminaid label, as described in Item E, on the front of equipment including its designation as assigned and referenced consistently throughout the project.

H. Enclosures and Cabinets:

- 1. Provide an engraved laminaid label, as described in Item E, on the front of wall mounted control enclosures and equipment racks including its designation as assigned and referenced consistently throughout the project
2. Within each equipment enclosure and/or terminal cabinet, the contractor shall place a Single Line drawing of the system(s) and the respective Equipment/Terminal Cabinet Wiring Diagram in a clear plastic 5" x 11" sleeve permanently attached to the inside cover of the terminal cabinet. Drawings shall include cable and equipment label designations to match the labeling within the cabinet
3. In each equipment enclosure the contractor shall place an as-built drawing depicting device locations served by the equipment within the enclosure, with identification that is identical to the wiring tags and with the software description of each point.

EXAMPLES



- a. Fed from Normal Building Power: Black letter on White label
b. Fed from Emergency / Generator Power: White letters on Red label

H. (Continued)

- 4. In each equipment enclosure the contractor shall place a copy of the Clients Access Alarm System Excel Spreadsheet or equal document depicting device names, MAC addresses and IP addresses as indicated in the Access Alarm system

NOTE: Sections I thru L shall utilize a P-touch label 1/2" tape, black lettering on a white label

- I. Door Openings: For all doors controlled by the Access Alarm system, provide label with the door name (as named in the Access Alarm program) on the top of the door edge on the (secure) hinge side. P-touch label shall be black lettering on white 1/2" tape. Coordinate with Owner for exact location
J. Access Alarm Panel Relays: All relays on Access Alarm panel boards shall be labeled identifying the Clients door number associated with the relay

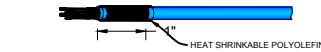


- K. Panic Bar: All panic bars shall be labeled on the inside of the hardware with P-touch label 1/2" tape, black lettering on a white label, identifying the location of the power supply feeding the door including room name and door number

L. Wireless Locking Systems

- 1. PIMs (Panel Interface Module) shall be labeled on the front cover with the following information:
a. PIM Unique ID (bound with HFD (Hand held Device) under properties)
b. Linked Door numbers and corresponding PIM channel/RS485 address (As well as Access Alarm corresponding identifier if different)
2. Map of all PIM and AD400 locations shall be provided to the Owner as part of close-out documents with table identifying which locks are linked with which PIMs

- M. Wire and Cable: Identify wire and cable clearly with permanent labels wrapped around the full circumference starting one-inch from each connection. Correlate the number designated on the associated Shop or Field Drawings. Assign wire or cable designations consistently throughout a given system. Each wire or cable shall carry the same labeled designation over its entire run, regardless of intermediate terminations



28 xx xx

NAMING CONVENTIONS

- N. Terminal Blocks: Identify every TB-Terminal Block as shown herein and as documented on the prints

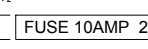
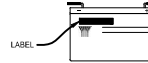
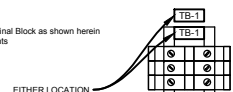
- O. Battery: Indicate date of installation on each battery MM-DD-YY

O. Approved Colors (Example)

Table with columns for color, HEX code, R294, G294, B294, R119, G119, B119, R1, G1, B1, R295, G295, B295.

P. Circuit Labeling:

- 1. At all 120V outlet locations, provide labels with panel and circuit information using a P-touch or similar label maker with minimum 1/2" tape.
- For normal power, label shall be black letters on white tape
- For emergency power, label shall be white letters on red tape
EXAMPLE: 4RP-3AA-14 indicates 4th floor, panel RP_3AA, circuit loop 14
2. At all fusible devices, either individually mounted or part of gear, provide a label (as supplied by fuse manufacturer) or nameplate inside each switch cover, indicating specific type of fuse required for replacement.



Naming Conventions table listing abbreviations such as ACC-Accessory, ACRA-Access Control Panel Accessory, ACR-Access Control Panel, AFIS-Automated Fingerprint Identification System, etc.

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Revisions table with columns: No, Revision, Date. Reference set 12-05-18.

DESIGNED BY
CHECKED BY
APPROVED BY

Date
12-05-18

Drawing Size
17 X 11

Project Name
LACCD STANDARDS

Project Number

Sheet Title

IDENTIFICATION AND TAGGING

Sheet Number
SC.07.01

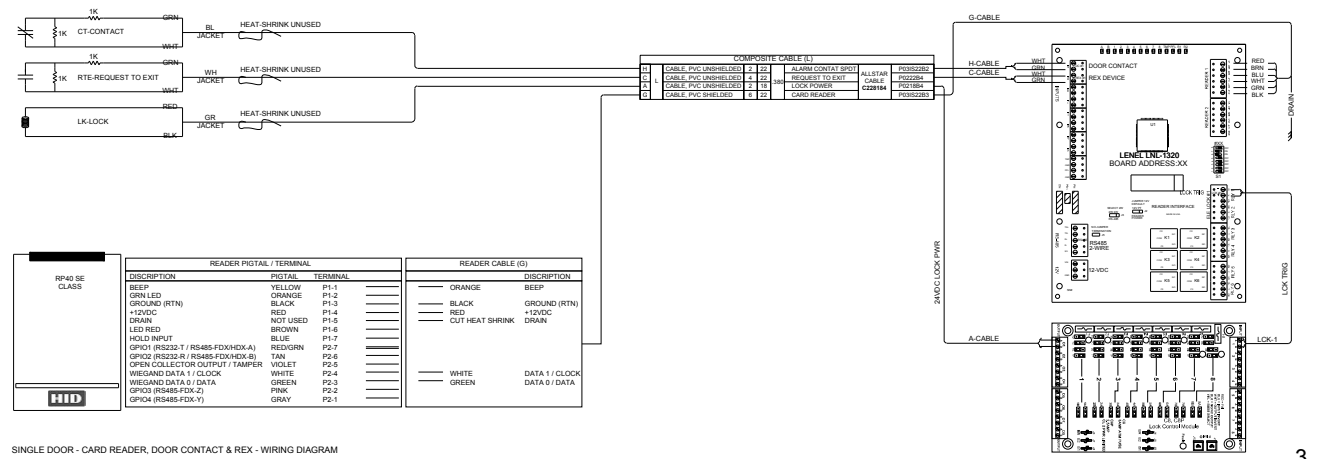
CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	COND.	AMG.	G.D.	DEVICE USAGE	PART NUMBER
A	STRANDED NON-SHIELDED PLENAM CMP	4	18	175	LOCK POWER, DOOR RELEASE, ALARM POWER, REQ. & ELEVATOR	ALLSTAR CABLE P02184
B	STRANDED SHIELDED PLENAM CMP	4	25	176	LOCK POWER AT DOUBLE DOORS	ALLSTAR CABLE P02204
C	STRANDED NON-SHIELDED PLENAM CMP	4	18	126	CONTACT DRGT. MOTION, GLASS BREAK & REAR	ALLSTAR CABLE P02184
D	STRANDED NON-SHIELDED PLENAM CMP	2	18	162	REAR/DOOR RELEASE	ALLSTAR CABLE P02184
E	CAT5 ENHANCED UTP PLENAM	4 PAIR	23	226	TERMINATION SERVER & IP INTERCOM	P02224
EE	CAT5 ENHANCED UTP PLENAM	4 PAIR	24	226	TERMINATION SERVER & IP INTERCOM	P02244
F	CAT5 DIRECT BURIAL - OUTDOOR	4 PAIR	24	208	TERMINATION SERVER & IP INTERCOM	988244
G	STRANDED INDIVIDUALLY-SHIELDED PLENAM CMP	3 PAIR	22	187	CARD READER & KEYPAD	P032283
H	STRANDED INDIVIDUALLY-SHIELDED PLENAM CMP	2 PAIR	22	162	REX, DOOR CONTACT, AUXILIARY FUNCTION	P032282
I	CABLE, PVC UNSHIELDED	2	18	168	LOCK POWER	P02184
J	CABLE, PVC UNSHIELDED	4	25	176	REQUEST TO EXIT	P02204
K	CABLE, PVC UNSHIELDED	2	18	126	LOCK POWER	P02184
L	CABLE, PVC UNSHIELDED	2	18	126	ALARM CONTACT SPLIT	P02184
M	CABLE, CAT.5	3 PAIR	24	141	PHONE LINE	W75480
N	CABLE, PVC ELEVATOR TRAVELING FIBER	P.O.B.	P.O.B.	P.O.B.	I.E. CARD READER, 2.0 CAMERA GULL BUTTON	P.B.O.

SHEET NOTES

- WIRE LABELS / IDENTIFICATION AND TAGGING
- TAM-TAMPER SWITCH MAY BE WIRED IN SERIES WITH OTHER TAMPERS AT SAME LOCATION
- 10 FEET OF CABLE CUT AND COILED IN PULL BOX

CABLE DESIGNATION / TYPE & SHEET NOTES

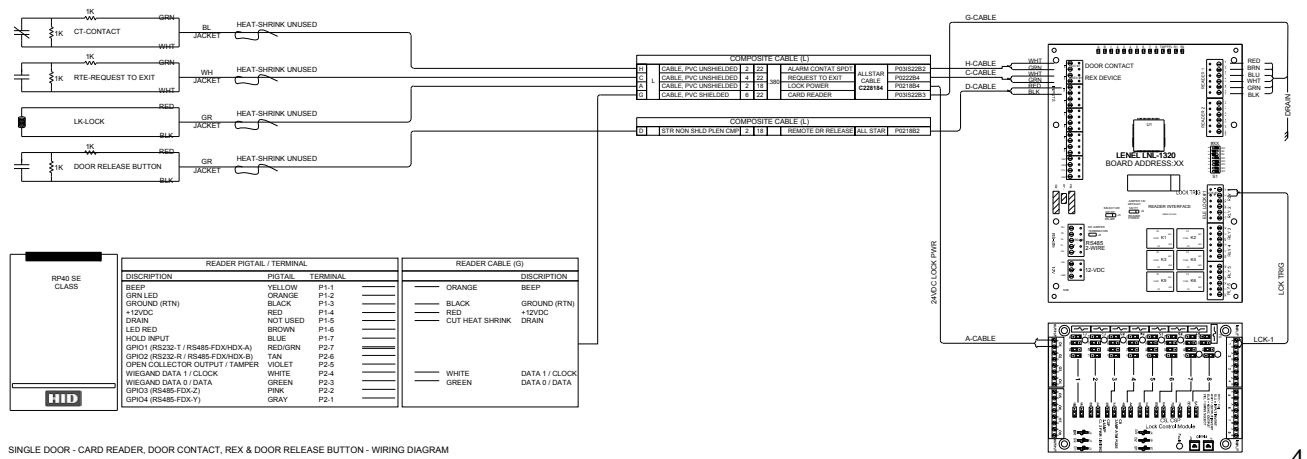
SCALE: NONE



1

SINGLE DOOR - ALARM CONTACT - WIRING DIAGRAM

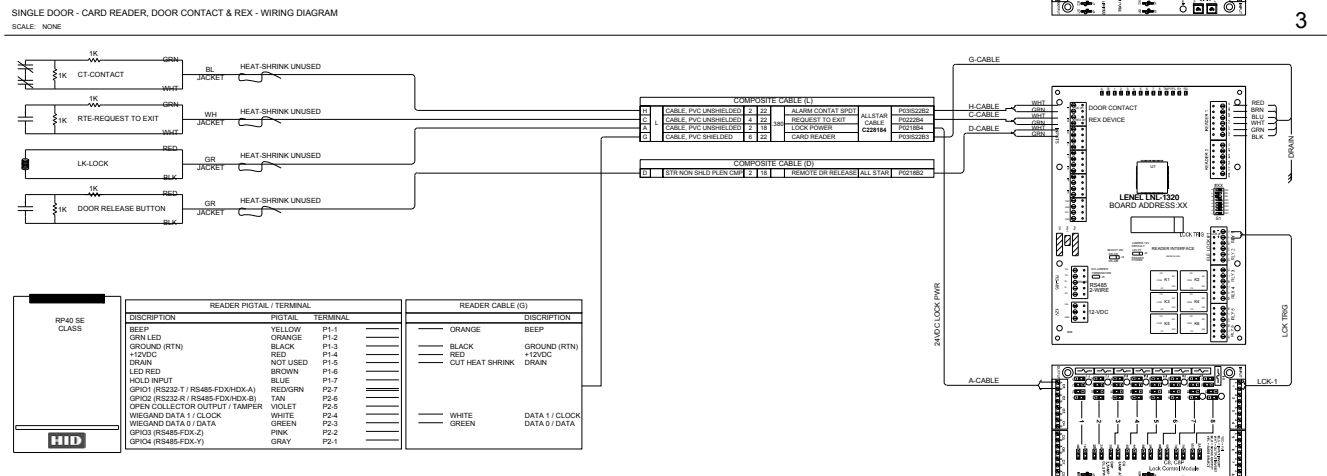
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2

SINGLE DOOR - CARD READER, DOOR CONTACT, REX & DOOR RELEASE BUTTON - WIRING DIAGRAM

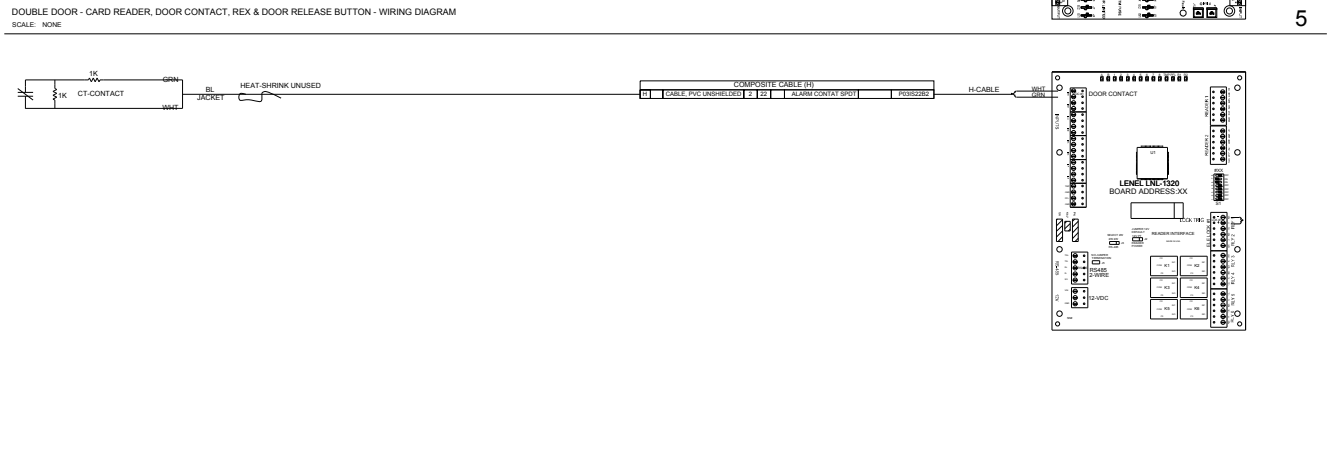
SCALE: NONE



3

DOUBLE DOOR - CARD READER, DOOR CONTACT, REX & DOOR RELEASE BUTTON - WIRING DIAGRAM

SCALE: NONE



4

SINGLE DOOR - ALARM CONTACT - WIRING DIAGRAM

SCALE: NONE



5

NOT USED

SCALE: NONE



6

NOT USED

SCALE: NONE



7

NOT USED

SCALE: NONE



8

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Revisions

No	Revision	Date
	REFERENCE SET	12-05-18

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Sheet Information

DESIGNED BY
 CHECKED BY
 APPROVED BY

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12-05-18

Drawing Size

Original Size 17 X 11

Scale

Project Name

LACCD STANDARDS

Project Number

Sheet Title

ACCESS CONTROL
 TYPICAL DEVICE WIRNG DETAILS

Sheet Number

SC.09.01

CABLE DESIGNATION / TYPE								
TYPE	DESCRIPTION	CODE	WVG	O.D.	DEVICE USAGE	MANUFACTURE	PART NUMBER	
A	STRANDED NON-SHELDED PLENUM CMP	4	18	175	LOCK POWER, DOOR RELEASE, AUDIO/VIDEO, REEX & ELEVATOR	ALLSTAR CBL	P021804	
B	STRANDED SHIELDED PLENUM CMP	4	20	176	LOCK POWER AT DOUBLE DOORS	ALLSTAR CBL	P022284	
C	STRANDED SHIELDED PLENUM CMP	4	22	176	CONTACT SPDT, MOTION, GLASS BREAK & REK	ALLSTAR CBL	P022284	
D	STRANDED NON-SHELDED PLENUM CMP	2	18	182	REMOTE DOOR RELEASE	ALLSTAR CBL	P021802	
E	CATS ENHANCED UTP PLENUM	4	PA4	23	WORKSTATION	ALLSTAR CBL	P052244	
EE	CATS ENHANCED UTP PLENUM	4	PA4	24	WORKSTATION	ALLSTAR CBL	P052244	
F	CATS DIRECT BURIAL - OUTDOOR	4	PA4	24	WORKSTATION	ALLSTAR CBL	P052244	
G	STRANDED INDIVIDUALLY / SHIELDED PLENUM CMP	2	PA4	22	187	CARD READER & KEYPAD	ALLSTAR CBL	P032283
H	STRANDED INDIVIDUALLY / SHIELDED PLENUM CMP	2	PA4	22	182	REX DOOR CONTACT, AUXILIARY FUNCTION	ALLSTAR CBL	P032282
I	CABLE PVC UNSHEATHED	2	18	188	LOCK POWER	ALLSTAR CBL	P021804	
J	CABLE PVC UNSHEATHED	2	22	188	RELEASER TO EXIT	ALLSTAR CBL	P021804	
K	CABLE PVC UNSHEATHED	2	22	188	CONTACT SPDT	ALLSTAR CBL	P021804	
L	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
M	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
N	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
O	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
P	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
Q	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
R	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
S	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
T	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
U	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
V	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
W	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
X	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	
Y	CABLE PVC UNSHEATHED	2	22	188	TYPIER LINK	ALLSTAR CBL	P021804	
Z	CABLE PVC UNSHEATHED	2	22	188	ALARM CONTACT SPDT	ALLSTAR CBL	P021804	

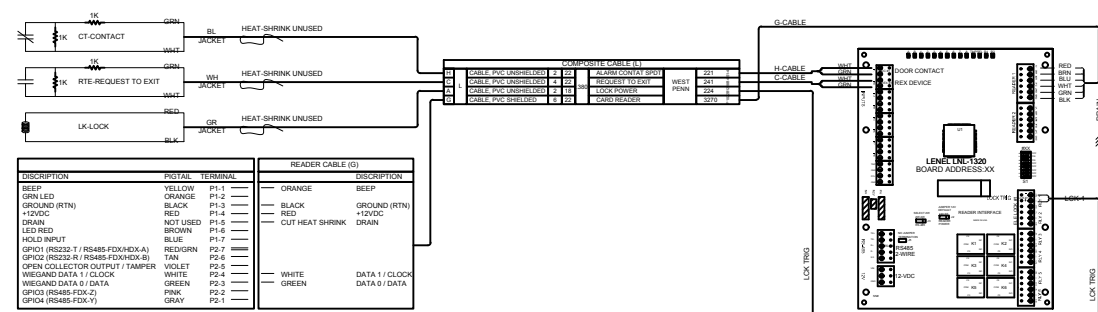
SHEET NOTES

- WIRE LABELS / IDENTIFICATION AND TAGGING
- TAM-TAMPER SWITCH MAY BE WIRED IN SERIES WITH OTHER TAMPERS AT SAME LOCATION
- 10 FEET OF CABLE CUT AND COILED IN PULL BOX

ITEM	PART No.	MANUFACTURER	DESCRIPTION	QTY.
7	D9412GV3-A	BOSCH	INTRUSION ALARM CONTROL PANEL	1
8	D8103	BOSCH	ENCLOSURE WITH D101 LOCK AND KEY SET (16" X 16" X 3.5")	1
9	D122	BOSCH	DUAL BATTERY HARNESS	1
10	D126	BOSCH	BATTERY 12V, 18AH	1
11	D110	BOSCH	TAMPER SWITCH	1
12	D1640	BOSCH	TRANSFORMER	1
13	D8004	BOSCH	TRANSFORMER ENCLOSURE (8.8" X 4.7" X 3")	1
14	D1260	BOSCH	LCD KEYPAD	1
15	B420	BOSCH	CONETIX B420 ETHERNET COMMUNICATION MODULE	1

CABLE DESIGNATION / TYPE & SHEET NOTES
SCALE: NONE

SHEET ELEVATION EQUIPMENT AND MATERIAL LIST
SCALE: NONE



CARD READER, DOOR CONTACT, REX & AUTO OPERATOR - WIRING DIAGRAM
SCALE: NONE

NOT USED
SCALE: NONE

NOT USED
SCALE: NONE

NOT USED
SCALE: NONE

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SCALE: NONE

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Revisions

No	Revision	Date
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Sheet Information

DESIGNED BY
CHECKED BY
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12-05-18

Drawing Size

Original Size
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Project Name

LACCD STANDARDS

Project Number

Sheet Title

ACCESS CONTROL
TYPICAL DEVICE WIRNG DETAILS

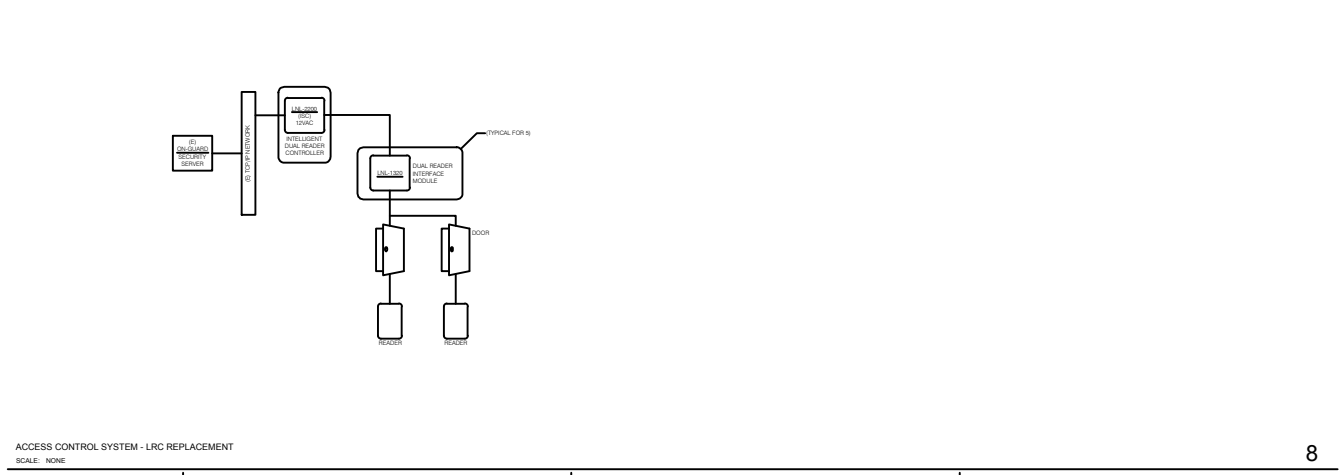
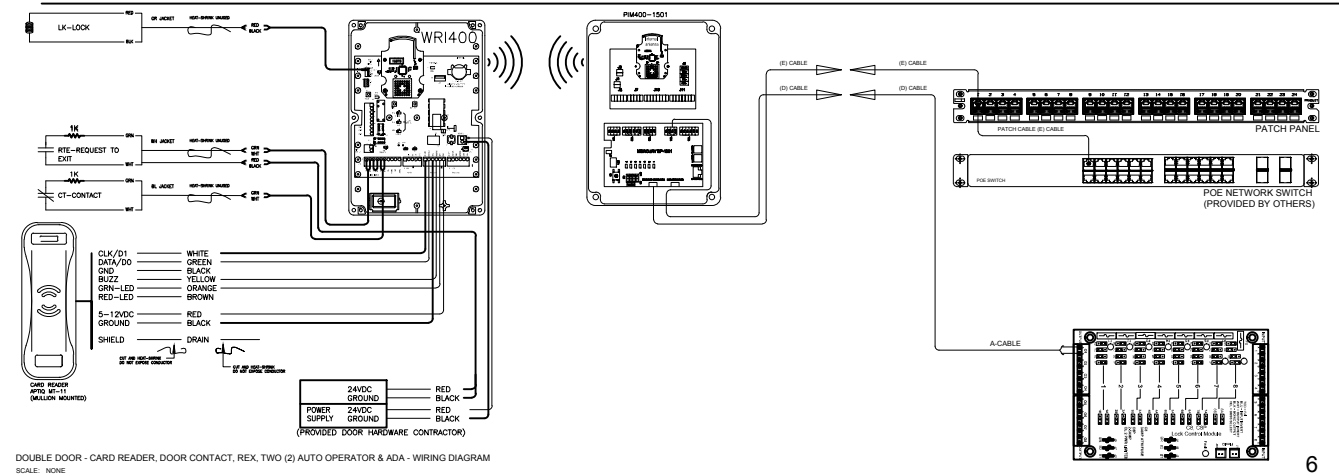
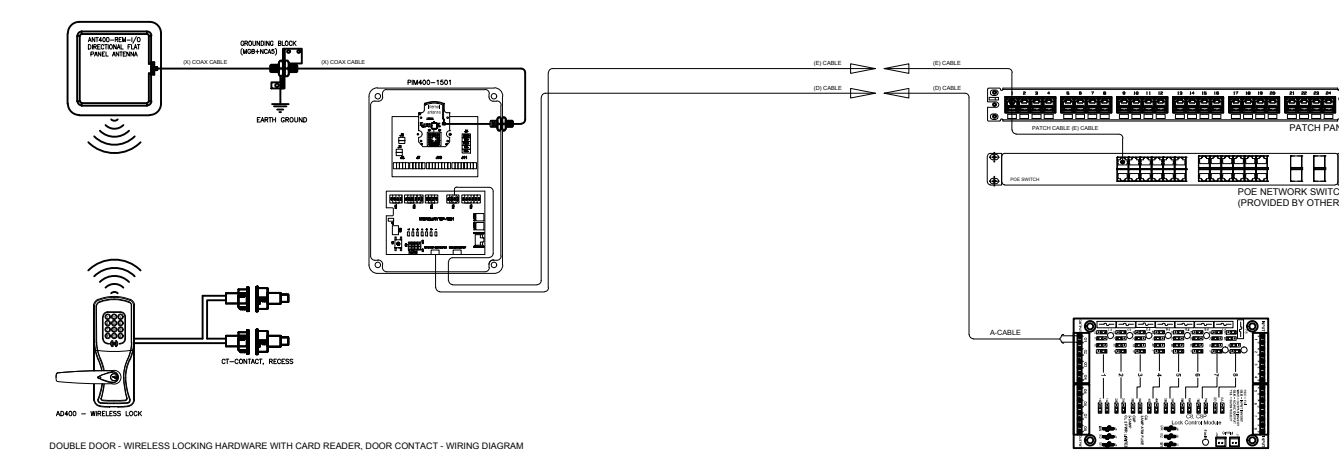
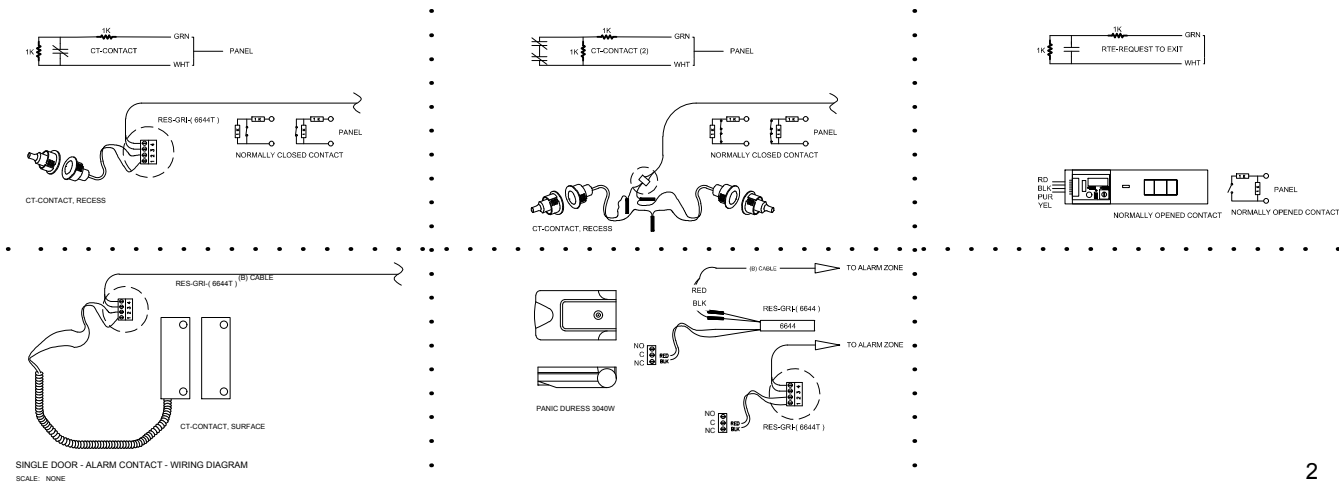
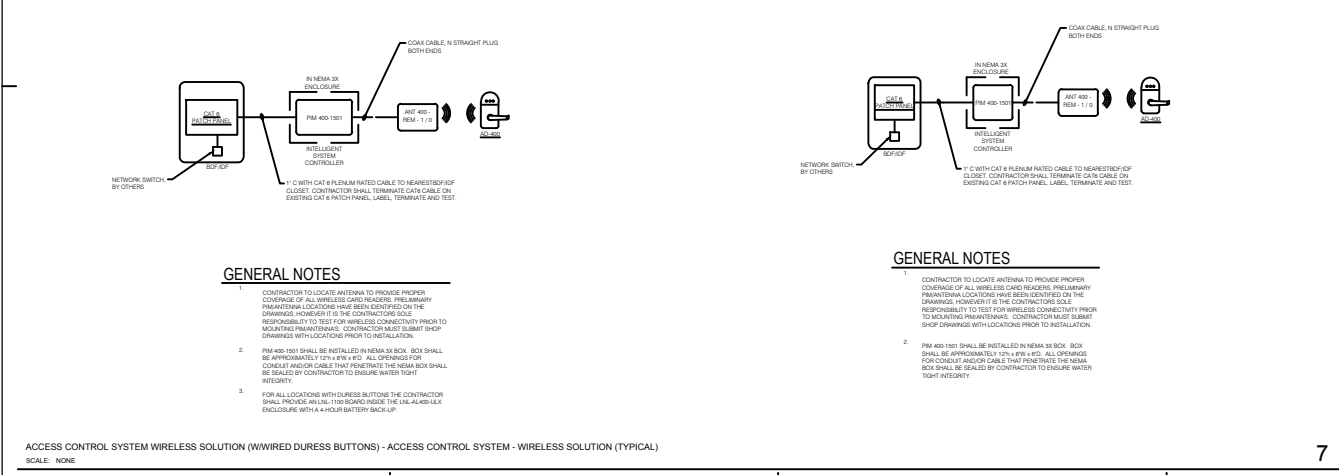
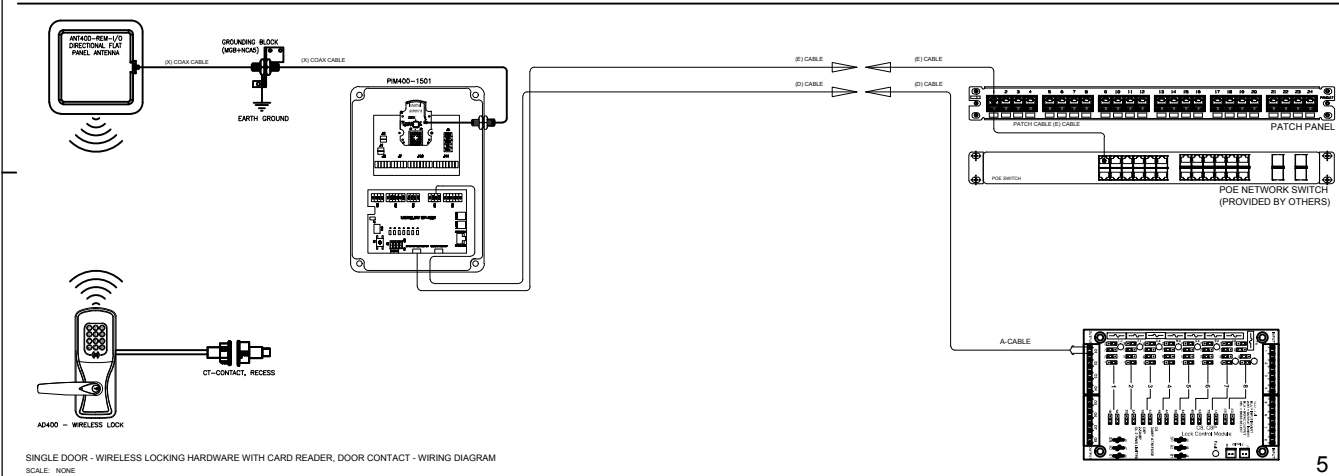
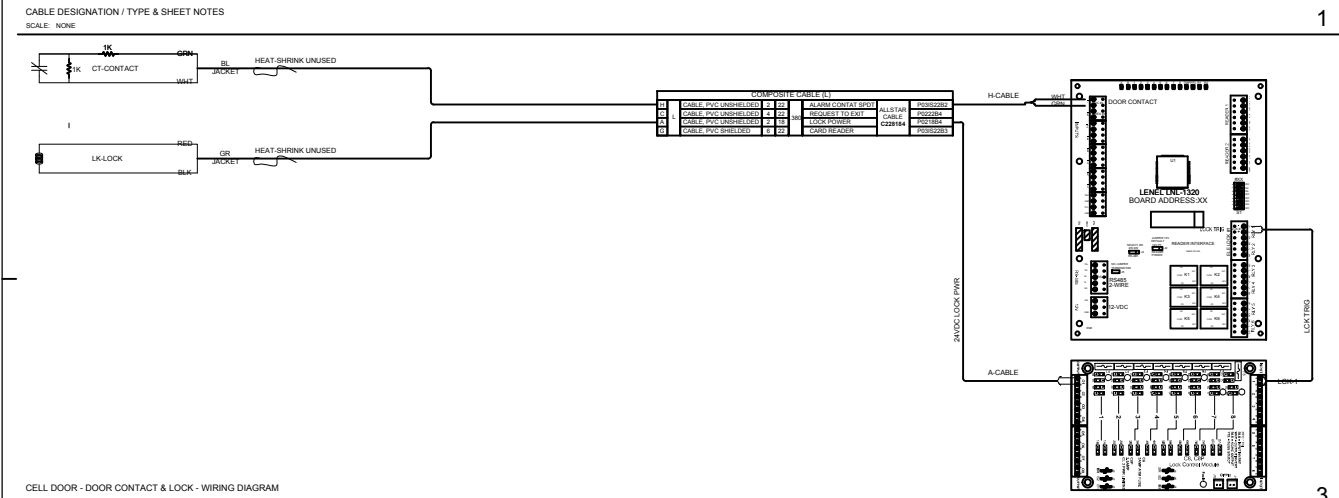
Sheet Number

SC.09.02

CABLE DESIGNATION / TYPE						
TYPE	DESCRIPTION	QTY	AWG	O.D.	DEVICE USAGE	PART NUMBER
A	STRANDED NON-SHEATHED PLENUM CMP	4	18	175	LOCK POWER AT DOUBLE DOORS	P02584
B	STRANDED SHEATHED PLENUM CMP	4	20	136	LOCK POWER AT DOUBLE DOORS	P02584
C	STRANDED NON-SHEATHED PLENUM CMP	7	18	163	CONTACT SPOT, MOTION, GLASS BREAK & REK	P02584
D	STRANDED NON-SHEATHED PLENUM CMP	7	18	163	REMOTE DOOR RELEASE	P02584
E	CAT5 ENHANCED UTP PLENUM	4	24	234	MONITORING	P056344
EE	CAT5 ENHANCED UTP PLENUM	4	24	234	MONITORING	P056344
F	CAT5E DIRECT BURIAL - OUTDOOR	4	24	230	MONITORING	P056344
G	STRANDED INDIVIDUALLY SHEATHED PLENUM CMP	2	24	230	24VDC BATTERY & KEYPAD	P056344
H	STRANDED INDIVIDUALLY SHEATHED PLENUM CMP	2	24	230	REK DOOR CONTACT, AUXILIARY FUNCTION	P056344
I	CABLE PVC UNSHIELDED	2	18	175	LOCK POWER	P02584
J	CABLE PVC UNSHIELDED	2	22	142	RECESS TO CUT	P02584
K	CABLE PVC UNSHIELDED	2	22	142	LOCK POWER	P02584
L	CABLE PVC UNSHIELDED	2	22	142	ALARM CONTACT SPOT	P02584
M	CABLE CAT 5	2	24	234	TYPE 4E	P056344
N	CABLE PVC ELEVATOR TRAVELING PBD	2	24	234	18" CABLE READER, ANALOG CAMERA, IP CAMERA CALL BUTTON	P056344

SHEET NOTES

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Date
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Drawing Size
Original Size 17 X 11
Scale

Project Name
LACCD STANDARDS

Project Number

Sheet Title
TYPICAL DEVICE WIRING DETAILS WIRELESS LOCKS

Sheet Number

SC.10.01

FILE PATH & NAME: P:\B304\DISTRICT WIDE STANDARDS\CAD\SC.10.01 - TYP WIRING DETAILS - WIRELESS LOCKS.DWG INNOVOR PEREZ
PLOT: Wednesday, December 5, 2018 3:28:26 PM