

## **INVITATION TO BIDS**

### **SSHP Security Upgrades Phase 2A & 2B Solicitation No. 5037**

ADDENDUM NO. 1  
Issue Date April 6, 2018

This Addendum containing the following revisions, additions, deletions and/or clarifications, is hereby made a part of this solicitation and Contract Documents for the above-named project. Bidders/Proposers shall take this Addendum into consideration when preparing and submitting their response to this solicitation.

This Addendum serves to extend the bid due date to May 1, 2018 at 1:00 PM.

In addition, the door and camera specifications are attached. Any questions pertaining to these specifications must be directed to Mel Henley, Sr. Contract Administrator [mel.henley@seattlehousing.org](mailto:mel.henley@seattlehousing.org) and received no later than April 12, 2018 at 1:00 PM.

END OF ADDENDUM NO. 1



# ***SEATTLE HOUSING AUTHORITY***

## ***SSHP Implementation Phase 2, A & B 100% CD for Bid***

October 30, 2017  
Rev. 0  
**SHA170109**

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STANDARD CRITERIA			
DRAWING#	TITLE	REV	REV DATE
00.01.501-503	SYMBOLS SECURITY	20	09/11/2017
00.02.501-503	CONVENTIONS GENERAL	18	05/15/2015
00.03.501	DS160 SETUP AND CONFIGURATION REX	4	01/27/2017
00.04.501-504	ABBREVIATIONS	27	05/15/2015
00.05.501-507	WIRE MARKING FORMAT	23	08/25/2017
00.06.501	WIRE SHIELD TERMINATION	2	09/04/2015
00.06.502	SECURITY JUNCTION BOX	1	08/22/2016

SCHEDULES			
DRAWING#	TITLE	REV	REV DATE
00.10.001	CABLE LEGEND SEATTLE HOUSING AUTHORITY	0	10/18/2016
00.35.001-0015	ALL POINTS SEATTLE HOUSING AUTHORITY SSHP IMPLEMENTATION PHASE 2, A & B, 100% CD FOR BID, SHA170902	1	10/30/2017
00.80.001	CARD READER SELECTION	2	05/15/2017



















DIAGRAMS			
DRAWING#	TITLE	REV	REV DATE
01.03.001	SEATTLE HOUSING AUTHORITY, BLOCK DIAGRAM MDF LOCATION, LOCAL MONITORING	2	08/11/2017
01.03.002	SEATTLE HOUSING AUTHORITY ACS/SVS BLOCK DIAGRAM	1	08/11/2017

ELEVATIONS			
DRAWING#	TITLE	REV	REV DATE
03.03.002a-b	SEATTLE HOUSING AUTHORITY, SITE MDF HALF-RACK, EQUIPMENT & ELEVATION	2	10/30/2017
03.03.003a-b	SEATTLE HOUSING AUTHORITY, SITE IDF HALF-RACK, EQUIPMENT & ELEVATION	1	04/20/2017

DETAILS			
DRAWING#	TITLE	REV	REV DATE
AC (1,2,3,4a-b,5)	SINGLE DOOR, CARD IN/FREE EXIT, RIM PANIC w/REX SWITCH & ELECTRIFIED TRIM, FAIL SECURE	0	10/12/2016
AJ (1,2,3a-c,4a-c,5)	SINGLE DOOR, CARD IN/FREE EXIT, ELECTRIC PANIC w/QUIET LATCH RETRACTION & REX SWITCH, ADA ACTUATORS, OPERATOR, FAIL SECURE	0	10/12/2016
AP (1,2,3,4,5)	SINGLE DOOR, CARD IN/FREE EXIT, ELECTRIC MORTISE PoE LOCKSET w/CARD READER, REX SWITCH & DOOR SWITCH MONITOR, FAIL SECURE	0	10/11/2016
AS (1,2,3a-e,4a-c,5)	SINGLE DOOR, CARD IN/FREE EXIT, ELECTRIC STRIKE, MANUAL PANIC, PIR/REX, ADA ACTUATOR, OPERATOR, FAIL SECURE	0	09/06/2017
BC (1,2,3,4a-b,5)	DOUBLE DOOR, CARD IN FREE EXIT, PANIC w/ELECTRIFIED TRIM, MANUAL PANIC, PIR/REX, FAIL SECURE	0	10/12/2016
BJ (1,2a-b,3a-c,4a-c,5)	DOUBLE DOOR, CARD IN/FREE EXIT, ELECTRIC PANICS w/QUIET LATCH RETRACTION, PIR/REX, ADA ACTUATORS, DOOR OPERATORS, FAIL SECURE	0	10/12/2016
GA (1,2,3,4,5)	SINGLE DOOR, ALARMED, LOCAL NOISE	1	08/11/2017
HA (1,2,3,4,5)	DOUBLE DOOR, ALARMED, LOCAL NOISE	0	08/11/2017
KA (1,2,3,5)	INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, 2 MEGAPIXEL, 3.6mm FIXED LENS, IR ILLUMINATOR, IP66 VANDAL RESISTANT FLAT CAMERA	0	10/11/2016
KB (1,2,3,5,6)	INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED, 2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, IP66 VANDAL RESISTANT DOME	0	10/11/2016

DETAILS			
DRAWING#	TITLE	REV	REV DATE
KC (1,2,3,5,6)	INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED, 3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, IP66 VANDAL RESISTANT DOME	0	10/11/2016
KD (1,2,3,5,6)	INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED, 5 MEGAPIXEL, 3.93-9.4mm (2.4x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, IP66 VANDAL RESISTANT DOME	0	10/11/2016
KM (1,2,3,5,6)	INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT, FIXED, 5 MEGAPIXEL, 1.14mm FIXED LENS, IP66 VANDAL RESISTANT DOME	0	10/11/2016
NO (1,2,3,4)	VEHICLE LANE, CARD IN/FREE EXIT, ROLL-UP GATE	0	10/30/2017

	ALARM CONTACT # = T - TAMPER		COMMUNICATION - NETWORK, WALL
	AUTODIAL PHONE # = V - VOIP		COMMUNICATION - NETWORK, FLOOR
	AUDIBLE VOICE PROCESSOR		COMMUNICATION - NETWORK & TELCO, WALL
	BELL - WARNING		COMMUNICATION - NETWORK & TELCO, FLOOR
	BIOMETRIC DEVICE		COMMUNICATION - TELCO, WALL
	BOX CAMERA - FIXED		COMMUNICATION - TELCO, FLOOR
	BOX CAMERA - PAN, TILT & ZOOM		
	DOME CAMERA - FIXED		
	DOME CAMERA - PAN, TILT & ZOOM		
	# = C - COAX I - IP P - PoE U - UTP		
	* = D/N - DAY/NIGHT I - INFRARED M - MEGAPIXEL T - THERMAL IMAGER		
	CAMERA - FIELD OF VIEW (APPROX.)		CONNECTION - FIELD
	CAMERA - 180° FIELD OF VIEW		CONNECTION - SECURITY CLOSET OR SFP
	CAMERA - 270° FIELD OF VIEW		CONTACT - OPEN
	CAMERA - 360° FIELD OF VIEW		CONTACT - CLOSED
	CAMERA - PAN, TILT & ZOOM		DOOR BOARD # = T - TAMPER
	CARD READER # = B - BIOMETRIC K - KEYPAD M - MAG STRIPE MT - MULTI-TECH P - PROXIMITY		DOOR CONTROL - CLOSER
	* = T - TAMPER (NOT SHOWN IF INTEGRATED INTO READER)		DOOR CONTROL - MAGNETIC HOLD OPEN
	CARD READER SECURITY PLAN SYMBOL		DOOR CONTROL - OPERATOR
			DIODE
			EMERGENCY/DURESS BUTTON
			WIRELESS EMERGENCY/DURESS BUTTON
			EMERGENCY DOOR RELEASE
			EMERGENCY PHONE
			FIBER OPTIC - RECEIVER
			FIBER OPTIC - TRANSMITTER
			FIBER OPTIC - TRANSCEIVER
			FM RECEIVER

	FM TRANSMITTER
	GROUNDING BUSS BAR
	GLASS BREAK SENSOR
	GROUND - CHASSIS
	GROUND - EARTH
	HIGH TEMP ALARM
	HINGE - POWER TRANSFER # = DC - DOOR CORD E - ELECTRIC OP - OFFSET PIVOT TP - TOP PIVOT WH - WIRED HINGE
	HUMIDITY SENSOR
	INTERCOM
	JUNCTION BOX # = T - TAMPER
	KEYPAD # = ACS - ACCESS CONTROL IDS - INTRUSION DETECTION T - TAMPER
	KEYSWITCH
	LIGHT # = G - GREEN IR - INFRARED R - RED S - STROBE VA - VEHICLE APPROACH Y - YELLOW
	LOCAL NOISE
	LOCK - CYLINDRICAL # = IL - INTEGRATED READER LOCK B - BATTERY LOCK
	LOCK - DEADBOLT # = X - MANUAL
	LOCK - DEADLATCH # = X - MANUAL
	LOCK - MAGNETIC # = D - DOOR SWITCH MONITOR DS - DSM WITH BOND SENSOR S - BOND SENSOR SH - SHEAR



## LOCK - MORTISE

# = D - DSM  
DR - DSM & REX  
L - LOCKED HANDLES  
LD - LOCKED HANDLES & DSM  
R - REX  
RB - REX & BOLT \*  
RD - REX & DSM  
RS - REX & SENSE SWITCH \*  
S - LOCK SENSOR \*  
SS - SENSE SWITCH \*  
X - MANUAL \*  
\* = DSM MAY BE INCLUDED IN LOCKSET



## LOCK - PANIC HARDWARE

# = DE - DELAYED EGRESS  
ET - ELECTRIC TRIM  
IL - INTEGRATED READER LOCK  
L - LATCH RETRACTION  
LR - LATCH RETRACTION & REX  
M - MORTISE  
R - REX  
RI - RIM  
RM - REX & MORTISE  
RS - REX & SENSE SWITCH  
RT - REX & ELECTRIC TRIM  
SS - SENSE SWITCH  
T - TOUCH  
X - MANUAL  
XR - MANUAL w/REX



## LOCK - STRIKE

# = LM - LATCH MONITOR SWITCH



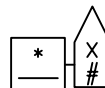
## LOCK - SPIN DIAL

# = LM - LOCK MASTER



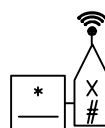
## LOCK - TURNSTILE

# = BD - BI-DIRECTIONAL  
UD - UNI-DIRECTIONAL



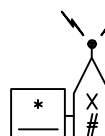
## LOCK &amp; CARD READER

X = ML - MORTISE LOCK  
PH - PANIC HARDWARE  
# = REFERENCE MORTISE LOCK DESCRIPTIONS  
\* = REFERENCE CARD READER DESCRIPTIONS




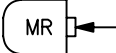
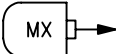
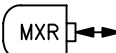



















## LOCK &amp; CARD READER, WI-FI























X = ML - MORTISE LOCK  
PH - PANIC HARDWARE  
# = REFERENCE MORTISE LOCK DESCRIPTIONS  
\* = REFERENCE CARD READER DESCRIPTIONS






## LOCK &amp; CARD READER, WIRELESS

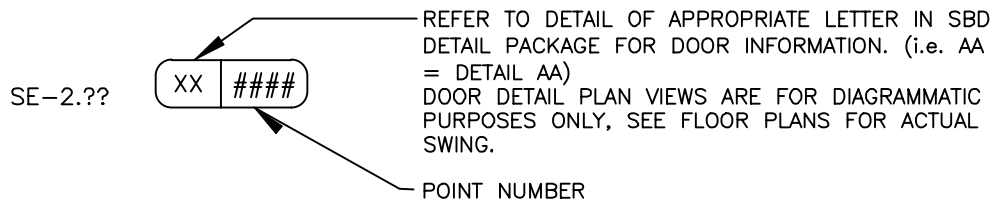
X = ML - MORTISE LOCK  
PH - PANIC HARDWARE  
# = REFERENCE MORTISE LOCK DESCRIPTIONS  
\* = REFERENCE CARD READER DESCRIPTIONS

	MICROPHONE
	MICROWAVE - RECEIVER
	MICROWAVE - TRANSMITTER
	MICROWAVE - TRANSCEIVER
	MONITOR
	OUTLET BOX # = T - TAMPER
	OUTLET - WALL, DUPLEX
	OUTLET - WALL, DUPLEX, E-POWER
	OUTLET - WALL, QUADPLEX
	OUTLET - WALL, QUADPLEX, E-POWER
	OUTLET - FLOOR, DUPLEX
	OUTLET - FLOOR, DUPLEX, E-POWER
	OUTLET - FLOOR, QUADPLEX
	OUTLET - FLOOR, QUADPLEX, E-POWER
	PANIC HARDWARE POWER BOOSTER
	PHOTOELECTRIC, RECEIVER
	PHOTOELECTRIC - REFLECTOR
	PHOTOELECTRIC - TRANSMITTER
	PHOTOELECTRIC - TRANSMITTER/RECEIVER
	PIR - 360°
	PIR - DIRECTIONAL
	PIR/MICROWAVE - DIRECTIONAL, DUAL TECHNOLOGY
	PIR - WIDE ANGLE
#* = DEGREE OF COVERAGE	
x = C - CEILING MOUNT W - WALL MOUNT	

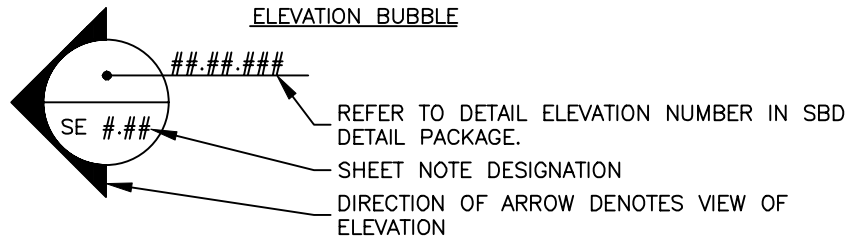
	PUSH BUTTON
	PUSH BUTTON - OPEN
	PUSH BUTTON - CLOSED
	RELAY
	REQUEST TO EXIT - PIR
	RESISTOR
	SECURITY JUNCTION BOX # = T - TAMPER
	SECURITY FIELD PANEL
	SECURED SIDE
	SPEAKER
	STRESS GAUGE
	SWITCH - LIGHT # = D - DIMMER
	TAMPER SWITCH
	TALK/LISTEN SPEAKER
	TOUCH SENSE
	ULTRASONIC - RECEIVER
	ULTRASONIC - TRANSMITTER
	UNSHIELDED TWISTED PAIR VIDEO DEVICE # = R - RECEIVER X - TRANSMITTER XR - TRANCEIVER
	WIRELESS - RECEIVER
	WIRELESS DEVICE
	WI-FI DEVICE
	WIRELESS- TRANSMITTER

#	GENERAL SHEET NOTE DESIGNATION
	SHEET NOTE DESIGNATION
	REVISION NUMBER
	SECURED SIDE

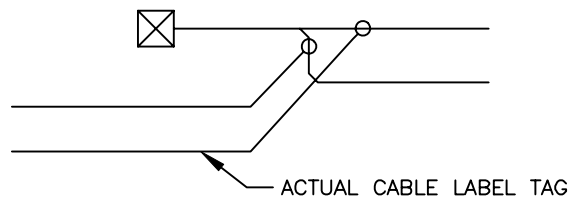
#### DETAIL BUBBLE



#### ELEVATION BUBBLE



#### POINT TO POINT LABELS



#### DETAILS WITH MULTIPLE PAGES

IN MANY CASES, DETAILS WILL HAVE MULTIPLE PAGES. FOR LETTERED TYPE DETAILS, I.E. AA, AB, ETC, IT IS COMMON TO HAVE 4 TO 5 PAGES. AS AN EXAMPLE, THE AA DETAIL WOULD TYPICALLY CONSIST OF THE AA-1, AA-2, AA-3, AA-4, AND AA-5 PAGES, AND AN EA DETAIL WOULD TYPICALLY HAVE AN EA-1, EA-2, EA-3, AND EA-5 PAGES. OTHER PLANS, ETC THAT REFERENCE THESE DETAILS WILL ONLY REFERENCE THE MAIN TYPE, I.E. AA DETAIL, WITHOUT REGARD TO THE ADDITIONAL PAGES THAT MAKE UP THE COMPLETE DETAIL. FOR NUMBERED DETAILS, I.E. 07.10.001 ETC., IT IS COMMON TO HAVE AT LEAST 2 BUT AS MANY AS 7 OR 8 PAGES, DEPENDING ON THE COMPLEXITY OF THE DETAIL. AS AN EXAMPLE, THE 07.10.001 WITH MULTIPLE PAGES WOULD BE NUMBERED AS FOLLOWS: 07.10.001A, 07.10.001B, 07.10.001C, ETC, ON TO THE LAST PAGE IN THE SET. OTHER PLANS, ETC THAT REFERENCE THESE DETAILS WILL ONLY REFERENCE THE MAIN TYPE, I.E. 07.10.001 DETAIL, WITHOUT REGARD TO THE ADDITIONAL PAGES THAT MAKE UP THE COMPLETE DETAIL.



DETAIL LETTER – USED FOR GENERAL DOOR/DEVICE TYPE INDICATION

A→Z – LETTER ASSIGNMENT THAT UNIQUELY IDENTIFIES DOORS/DEVICES RELATED ON A GENERAL LEVEL (CONTAIN THE SAME DETAIL LETTER) BUT HAVE DIFFERENT HARDWARE AND/OR OPERATIONAL REQUIREMENTS. (IN A SITUATION WHERE A→Z ARE ALL USED, AN ADDITIONAL COLUMN IS ASSIGNED – AA→AZ, ETC.)

DETAIL SHEET NUMBERING:

- 1 – DIAGRAM (OPERATION)
- 2 – EQUIPMENT LIST (INC. I/O LOADING)
- 3 – POINT TO POINT (WIRING DIAGRAM)
- 4 – LADDER (LOGICAL DIAGRAM)

DETAIL GENERAL DESCRIPTION

A\_ \_ SINGLE DOOR, CARD IN/FREE EXIT  
B\_ \_ DOUBLE DOOR, CARD IN/FREE EXIT  
C\_ \_ SINGLE DOOR, CARD IN/CARD OUT  
D\_ \_ DOUBLE DOOR, CARD IN/CARD OUT  
E\_ \_ SINGLE DOOR, ALARMED  
F\_ \_ DOUBLE DOOR, ALARMED  
G\_ \_ SINGLE DOOR, ALARMED, LOCAL NOISE  
H\_ \_ DOUBLE DOOR, ALARMED, LOCAL NOISE  
J\_ \_ MOTION DETECTION/SPACE DETECTION/GLASS BREAK  
K\_ \_ CAMERAS  
L\_ \_ MISCELLANEOUS ALARMED CONTROLLED DOOR(S) OR POINT(S)  
M\_ \_ MISCELLANEOUS ALARMS (NON-ENTRY TYPES)  
N\_ \_ MISCELLANEOUS CARD ACCESS (ELEVATORS/TURNSTILES/GATES)  
P\_ \_ MISCELLANEOUS ALARMS (ENTRY TYPES I.E: ROLL UP DOORS)  
S\_ \_ INTERCOMS/SPEAKERS/DIAL UP PHONES/EMERGENCY PHONES  
T\_ \_ CONTROLLED OUTPUT/TIMED-LOCK/ALARM  
V\_ \_ VARIANCE/ADD-ON DETAIL TO ANOTHER DETAIL  
X\_ \_ NON-SYSTEM POINT  
Y\_ \_ MONITORS  
Z\_ \_ KEYPAD

EXAMPLE OF DETAIL TYPE NUMBERING:

CA-2

2 = EQUIPMENT LIST (INC. I/O LOADING)

A = UNIQUE LETTER ASSIGNED TO DOOR WITH THESE SPECIFIC HARDWARE AND/OR OPERATION REQUIREMENTS

C = SINGLE DOOR, CARD IN/CARD OUT

## INPUT/OUTPUT (I/O) LOADING TABLE:

THIS TABLE IS A TOOL TO AID IN THE LOADING PROCESS FOR ACAMS, INTERCOM, & CCTV SOFTWARE DATABASES. IT PROVIDES THE INPUT AND OUTPUT LOADING REQUIREMENTS FOR THE ASSOCIATED DOOR/DEVICE. TYPICALLY IT IS FOUND WITH THE EQUIPMENT LIST ON THE 2-SHEET (EX: DETAIL AA-2). BELOW IS A DESCRIPTION OF THE VARIOUS INPUTS AND OUTPUTS:

INPUT LOADING	CR		REX		CAM		KPD		OUTPUT LOADING	LOCK		MON		KPD			
	DSM		AUX		P/I		A/M			AUX		P/I		A/M			

## INPUTS

### CARD READER (CR)

TYPICALLY, THERE MAY BE UP TO TWO CARD READERS PER DOOR. THE READER COUNT IS BASED ON THE NUMBER OF READER SYMBOLS ON THE 1 SHEET.

### DOOR SWITCH MONITOR (DSM)

THE DOOR SWITCH MONITOR IS A CONTACT THAT MONITORS THE POSITION OF THE DOOR AND IS ONE DSM INPUT. WHEN THERE ARE DOUBLE DOORS, OR A GROUP OF DOORS WITH MULTIPLE DOOR SWITCH MONITORS, THE DSM'S ARE LOGICALLY GROUPED TO ONE DSM INPUT.

### REQUEST TO EXIT (REX)

THE REX CONTACT DEVICE MAY BE A PIR CONTACT, A SWITCH IN A LOCKSET, PANIC BAR SWITCH, OR A PUSH BUTTON. REVIEW THE DOOR OPERATION ON THE 1 SHEET TO DETERMINE WHICH IS NECESSARY.

### AUXILIARY (AUX)

USED FOR MOST ALARM POINTS THAT MAY OR MAY NOT BE ASSOCIATED WITH A DOOR. EXAMPLES ARE: REMOTE PUSH BUTTON, MOTION DETECTION, FACILITIES MONITORING ALARMS, AUTO-DIAL PHONE ALARMS, EMERGENCY PHONE ALARMS, RADIO CONTROLLED RECEIVER OUTPUTS TO THE ACAMS/ALARM SYSTEM.

### CCTV INPUT (CAM)

USED TO COUNT CAMERA INPUTS TO THE SYSTEM.

### PHONE/INTERCOM (P/I)

TYPICALLY USED FOR LOADING THE INTERCOM SYSTEM. IT IS ALSO USED TO DETERMINE THE NUMBER OF EMERGENCY PHONES OR AUTO-DIAL PHONES.

### KEYPAD (KPD)

USED FOR KEEPING TRACK OF THE NUMBER OF KEYPADS IN THE PROJECT.

### ASSET MANAGEMENT (A/M)

USED FOR ARTICLE SPECIFIC TAGGING.

## OUTPUTS

### LOCK (LOCK)

THE LOCK OUTPUT IS ASSOCIATED TYPICALLY WITH A CARD READER DOOR. IT IS DESIGNATED FOR THE LOCK OUTPUTS, ELECTRIC LOCKSET, ELECTRIFIED PANIC BAR, ELECTRIC STRIKE, MAGNETIC LOCK, ETC.

### AUXILIARY (AUX)

THE AUXILIARY OUTPUT IS USED FOR OUTPUTS THAT DIRECT VOLTAGE TO A SPECIFIC DEVICE TO MEET OPERATIONAL REQUIREMENTS. EXAMPLES ARE LOCAL NOISE, DAY/NIGHT RELAYS, VOICE MODULES, LIGHTS/LEDS, ETC.

### CCTV MONITOR (MON)

NORMALLY USED TO COUNT THE NUMBER OF MONITORS IN THE CCTV SYSTEM.

### PHONE/INTERCOM (P/I)

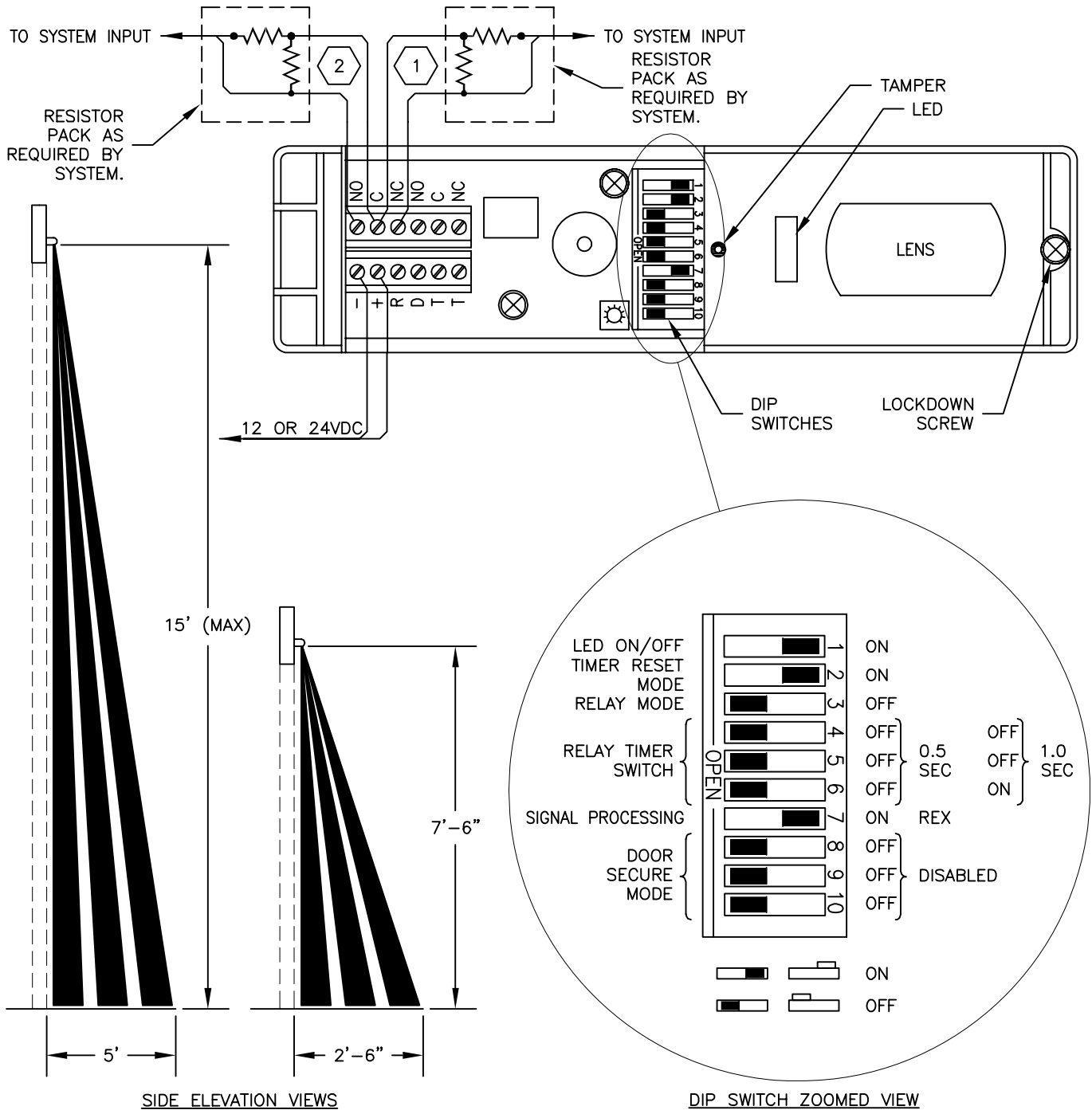
USED AS AN OUTPUT WHEN ASSOCIATED WITH A PHONE, TELEPHONE ENTRY SYSTEM, OR INTERCOM SYSTEM THAT MAY NOT HAVE AN OUTPUT THROUGH THE ACAMS.

### KEYPAD (KPD)

USED WHEN THERE MAY BY A KEYPAD OUTPUT THAT IS NOT GENERATED BY THE SYSTEM.

### ASSET MANAGEMENT (A/M)

THIS OUTPUT IS FOR NON-ACAMS SYSTEM ACTIVITY. EXAMPLE IS THE ACTIVATION OF A LOCAL DEVICE BY REMOTE METHOD THAT IS NOT IN THE ACAMS SYSTEM.



#### NOTES

- 1 NORMALLY OPEN (NO) WIRING CONFIGURATION FOR MONITORING. THE OUTPUT OF THE PIR/REX MUST BE WIRED AND SETUP TO OPERATE AS FOLLOWS
  - WHEN THE DEVICE IS NOT POWERED, THE CONTACTS ARE OPEN.
  - WHEN THE DEVICE IS POWERED AND AT REST, THE CONTACTS ARE OPEN.
  - WHEN THE DEVICE IS POWERED AND IN ALARM, THE CONTACTS CLOSE.
- 2 NORMALLY CLOSED (NC) WIRING CONFIGURATION FOR MONITORING. THE OUTPUT OF THE PIR/REX MUST BE WIRED AND SETUP TO OPERATE AS FOLLOWS
  - WHEN THE DEVICE IS NOT POWERED, THE CONTACTS ARE CLOSED.
  - WHEN THE DEVICE IS POWERED AND AT REST, THE CONTACTS ARE CLOSED.
  - WHEN THE DEVICE IS POWERED AND IN ALARM, THE CONTACTS OPEN.

ABBREVIATION LIST	
(E)	EXISTING
(F)	FUTURE
(N)	NEW
(R)	EXISTING/TO BE REMOVED
(RD)	EXISTING/REPLACE DEVICE
A	AMPERE (AMP)
A/M	ASSET MANAGEMENT
ACAMS	ACCESS CONTROL AND ALARM MONITORING SYSTEM
ACS	ACCESS CONTROL SYSTEM
ADDR	ADDRESS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AMP HOURS
ALM	ALARM
ALT	ALTERNATE
ALUM	ALUMINUM
ANN	ANNUNCIATOR
ANX	ANNEX
AOV	ANGLE OF VIEW
APPROX	APPROXIMATE
AR	AS REQUIRED
ARCH	ARCHITECT/ARCHITECTURAL
ASSY	ASSEMBLY
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BIO	BIOMETRIC
BLDG	BUILDING
BLW	BELOW
BO	BREAKOUT
BOLL	BOLLARD
BPS	BYPASS
BSMT	BASEMENT
C	CONDUIT
CAB	CABINET
CAFE	CAFETERIA
CAM	CAMERA
CAT	CATEGORY
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CI/CO	CARD IN/CARD OUT
CI/FE	CARD IN/FREE EXIT
CKT	CIRCUIT
CLG	CEILING
COAX	COAXIAL CABLE

ABBREVIATION LIST	
COMM	COMMUNICATION(S)
COMP	COMPUTER
CONN	CONNECTOR
COR	CORRIDOR
CPC	COMPUTER POWER CENTER
CPU	CENTRAL PROCESSING UNIT
CR	CARD READER
CRDA	CARD READER DISABLE
CSC	CENTRAL SECURITY CONTROL
CSU	COOLANT SUPPLY UNIT (CHILLER)
CT	CABLE TRAY
DA	DISTRIBUTION AMPLIFIER
DACT	DIGITAL ALARM COMMUNICATIONS TRANSMITTER
DB	DECIBEL
DBL	DOUBLE
DC	DOOR CONTACT
DD	DUCT DETECTOR
DET	DETECTION
DG	DOUBLE GANG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DPDT	DOUBLE POLE, DOUBLE THROW
DR	DOOR
DRS	DOORS
DS	DOWNSTREAM (DATA FLOW)
DSM	DOOR SWITCH MONITOR
DUP	DUPLEX
DVR	DIGITAL VIDEO RECORDER
DWG	DRAWING
E	EAST
EA	EACH
EAC	ENVIRONMENTAL AIR CONDITIONER
EDR	EMERGENCY DOOR RELEASE
ELEC	ELECTRICAL/ELECTRIC
ELEV	ELEVATOR
EMP	EMPLOYEE
EMR	EMERGENCY
EMT	ELECTRO METALLIC TUBING
ENT	ENTRANCE/ENTRY
EOC	EMERGENCY OPERATIONS CENTER
EOL	END OF LINE RESISTOR
EOT	END OF TAPE
EP	EXPLOSION PROOF
EPO	EMERGENCY POWER OFF

ABBREVIATION LIST	
ERR	AUDIO-EVAC ERROR/FAIL SIGNAL
ES	ELECTRIC STRIKE
EVAC	EVACUATION
EXEC	EXECUTIVE
EXT	EXTERNAL/EXTERIOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAT	FINAL ACCEPTANCE TESTING
FBR	FIBER
FDC	FIBER DISTRIBUTION CENTER
FLR	FLOOR
FO	FIBER OPTIC
FOV	FIELD OF VIEW (LENS/VIDEO)
FR	FIBER RECEIVER
FRAP	FIRE REMOTE ANNUNCIATOR PANEL
FRT	FREIGHT
FSA	FIRE SYSTEM ANNUNCIATOR
FSP	FIRE SYSTEM PRINTER
FT	FEET
FUAP	FUEL ALARM POINT
FX	FIBER TRANSMITTER
FXR	FIBER TRANSCEIVER
GAP	GRAPHIC ANNUNCIATOR PANEL
GAR	GARAGE
GB	GLASS BREAK SENSOR
GE	GIGABIT ETHERNET
GHZ	GIGAHERTZ
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
GSOC	GLOBAL SECURITY OPERATIONS CENTER
HAL	HALON ALARM POINT
HDWR	HARDWARE
HFCP	HALON FIRE CONTROL PANEL
HT	HIGH TEMP SENSOR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
ID	IDENTIFICATION
IDF	INTERMEDIATE DISTRIBUTION FRAME/FACILITY
IDS	INTRUSION DETECTION SYSTEM
IG	ISOLATED GROUND
IN	INCH
IND	INDIVIDUAL
INT	INTERNAL/INTERIOR
IP	INTERNET PROTOCOL
IPS	IMAGES PER SECOND
J	JUNCTION BOX
J-BOX	JUNCTION BOX

ABBREVIATION LIST	
KHS	KITCHEN HOOD SYSTEM
KO	KNOCKOUT
KPD	KEYPAD
LAN	LOCAL AREA NETWORK
LBY	LOBBY
LED	LIGHT EMITTING DIODE
LIU	LIGHT INTERFACE UNIT
LN	LOCAL NOISE
LO	LOCK OUTPUT
LR	LOCK RELAY
LV	LOW VOLTAGE
LVL	LEVEL
LVR	LEVER
M/T	MANTRAP
MAG	MAGNETIC
MATL	MATERIAL
MAX	MAXIMUM
MD	MOTION DETECTOR
MDF	MAIN DISTRIBUTION FRAME/FACILITY
MDH	MAGNETIC DOOR HOLDER
MECH	MECHANICAL
MHZ	MEGAHERTZ
MIN	MINIMUM
MON	MONITOR
MPOE	MAIN POINT OF ENTRY
MPS	MANUAL PULL STATION
MT	MOUNT
MTG	MOUNTING
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NE	NORTHEAST
NIC	NOT IN CONTRACT
NM	NANOMETERS
NO	NORMALLY OPEN
NVR	NETWORK VIDEO RECORDER
NW	NORTHWEST
OP	OPERATOR
OSP	OUTSIDE PLANT
OSY	OS&Y VALVE TAMPER
P/I	PHONE/INTERCOM
PA	PUBLIC ADDRESS
PB	PUSH BUTTON
PF	PEOPLE FINDER
PH	PENTHOUSE
PHO	PHOTOELECTRIC DETECTOR

ABBREVIATION LIST	
PHPB	PANIC HARDWARE POWER SUPPLY
PIR	PASSIVE INFRARED DETECTOR
PIV	POST INDICATOR VALVE TAMPER
PIV	PERSONAL INDENTITY VERIFICATION
PLC	PROGRAMMABLE LOGIC CONTROLLER
POE	POWER OVER ETHERNET
POTS	PLAIN OLD TELEPHONE SERVICE
PR	PAIR
PRT	PRINTER
PS	POWER SUPPLY
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PT	POINT
PTZ	PAN, TILT, & ZOOM
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RCIP	REMOTE CONTROL INDICATING PANEL
RCVR	RECEIVER
RDM	REMOTE DISPLAY MODULE
REC	RECORD
REF	REFERENCE
REL	RELEASE
REQ'D	REQUIRED
RES	RESISTOR
REX	REQUEST TO EXIT
RFI	RADIO FREQUENCY INTERFERENCE
RIM	REMOTE INPUT MODULE
RLY	RELAY
RM	ROOM
ROM	REMOTE OUTPUT MODULE
RTN	RETURN
RX	RECEIVE OR RECEIVER
S	SOUTH
SAN	STORAGE AREA NETWORK
SBD	SECURITY BY DESIGN
SD	SMOKE DETECTOR
SE	SOUTHEAST
SEC	SECOND/SECURITY
SFP	SECURITY FIELD PANEL
SG	SINGLE GANG
SH	SHIELD
SHLD	SHIELD/SHIELDED
SHT	SHEET
SJB	SECURITY JUNCTION BOX
SLAN	SECURITY LOCAL AREA NETWORK
SLDG	SLIDING
SNGL	SINGLE

ABBREVIATION LIST	
SOC	SECURITY OPERATIONS CENTER
SPC	SECURITY PRIVATE COMMUNICATIONS
SPK	SPEAKER
SPR	SPARE
SPS	SPEAKER WITH STROBE
SPST	SINGLE POLE SINGLE THROW
SRB	SMART REMOTE BOX
SS	STAINLESS STEEL
ST	STRANDED
STA	STATION
STE	SUITE
STR	STAIR(S)
STRB	STROBE
SV	SOLENOID VALVE
SVS	SECURITY VIDEO SYSTEM
SW	SWITCH OR SOUTHWEST
SYS	SYSTEM
T/H	TEMPERATURE/HUMIDITY MODULE
TB	TERMINAL BOARD
TBD	TO BE DETERMINED
TBR	TIGHT BUFFER
TCP	TRANSMISSION CONTROL PROTOCOL
TDR	TIME DELAY RELAY
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY
TERM	TERMINAL
TES	TELEPHONE ENTRY SYSTEM
THRU	THROUGH
THS	TEMPERATURE/HUMIDITY SENSOR
TMP	TAMPER ALARM POINT
TP	TAMPER PROOF
TPH	TOUCH PANIC HARDWARE
TRBL	TROUBLE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TW	TWISTED
TW PR	TWISTED PAIR
TX	TRANSMIT/TRANSMITTER
TYP	TYPICAL
UG	UNDERGROUND
UM	MICRONS
UON	UNLESS OTHERWISE NOTED
UP	UPPER
UPS	UNINTERRUPTIBLE POWER SUPPLY
US	UPSTREAM (DATA FLOW)
UTP	UNSHIELDED TWISTED PAIR
V	VOLTAGE

ABBREVIATION LIST	
VA	VOLT AMPERES
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VM	VIRTUAL MACHINE
VMP	VOICE MESSAGE PLAYING
VMS	VISITOR MANAGEMENT SYSTEM
VOIP	VOICE OVER INTERNET PROTOCOL
VR	VIDEO RECEIVER
VX	VIDEO TRANSMITTER
W	WATTS/WEST
w/	WITH
w/o	WITHOUT
WIC	WIRING INTERFACE CABINET (FIBER)
WP	WEATHER PROOF
WS	COMPUTER WORKSTATION
WTF	WATER FLOW SENSOR
XFMR	TRANSFORMER
XMTR	TRANSMITTER
XPNDR	TRANSPONDER

ABBREVIATION LIST
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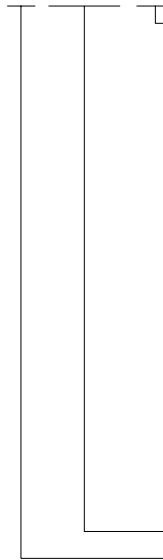
ALL CABLES AND WIRES SHALL HAVE BOTH ENDS TAGGED IN THE FOLLOWING FORMATS: SEE SPECIFIC DETAILS FOR EXACT WIRE MARKING NOMENCLATURE. USE LEADING ZERO'S (0) WHERE REQUIRED FOR THE FIVE (5) NUMBER (#) PLACES. (EXAMPLE: ##### = 00010).

I FIELD DEVICE TO PANEL

A. ACCESS CONTROL, IDS, SVS, INTERCOM, AUTODIAL PHONES

1. CABLES (WIRE BUNDLES)

XX ##### XXX



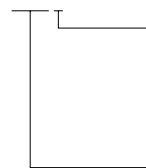
CABLE FUNCTION:

A = ALARM  
AP = AUTO-DIAL PHONE  
CR = CARD READER  
D = DATA  
DS = DOOR SWITCH MONITOR  
EDR = EMERGENCY DOOR RELEASE  
EP = ELECTRIC PANIC  
FCM = FIRE CONTROL MODULE  
HPB = HANDICAP PUSHBUTTON  
IC = INTERCOM  
GB = GLASS BREAK ALARM  
LN = LOCAL NOISE  
LP = LOCK POWER  
MD = MOTION DETECTION ALARM  
P = POWER  
PHPB= PANIC HARDWARE POWER BOOSTER  
REX = REQUEST-TO-EXIT  
RP = RELAY POWER  
TPR = TAMPER ALARM  
V = VIDEO SIGNAL

POINT NUMBER DESIGNATOR PER POINT SCHEDULE  
DETAIL TYPE DESIGNATOR

2. INDIVIDUAL WIRES

XXXX



WHERE APPLICABLE:

+ = + VOLTAGE  
- = VOLTAGE COMMON  
H = SIGNAL HIGH  
L = SIGNAL LOW

WIRE FUNCTION DESIGNATOR:

A = ALARM  
AP = AUTO-DIAL PHONE  
CR = CARD READER  
D0 = DATA 0  
D1 = DATA 1  
DS = DOOR SWITCH MONITOR  
EDR = EMERGENCY DOOR RELEASE  
EP = ELECTRIC PANIC  
EL = ELECTRIC LOCKSET POWER  
ES = ELECTRIC STRIKE POWER  
FCM = FIRE CONTROL MODULE  
GND = GROUND  
HPB = HANDICAP PUSHBUTTON  
IC = INTERCOM  
GB = GLASS BREAK ALARM  
LED = LED  
LN = LOCAL NOISE  
MD = MOTION DETECTION ALARM  
ML = MAGNETIC LOCK POWER  
PHPB= PANIC HARDWARE POWER BOOSTER  
REX = REQUEST-TO-EXIT  
RP = RELAY POWER  
SH = SHIELD  
TPR = TAMPER ALARM

3. FIBER OPTIC CABLE – INDIVIDUAL FIBERS

XX



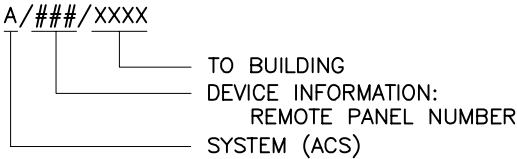
FIBER FUNCTION DESIGNATOR:

FR = FIBER RECEIVE  
FX = FIBER TRANSMIT  
FXR = FIBER TRANSMIT/RECEIVE

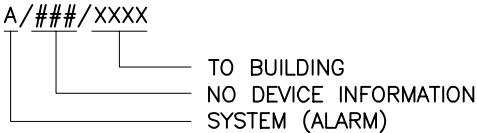


II INTER-BUILDING

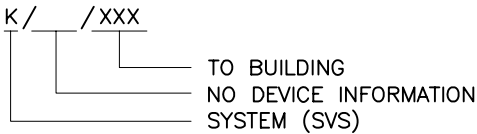
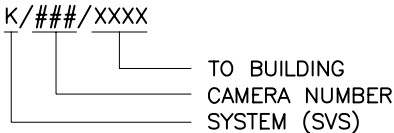
A. ACCESS CONTROL SYSTEM (ACS)



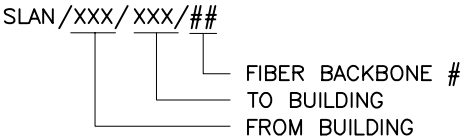
B. ALARM



C. SECURITY VIDEO SYSTEM (SVS) CAMERA TO HUB



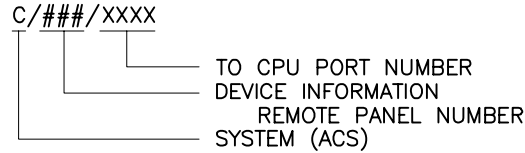
D. SECURITY LAN (SLAN) BUILDING TO BUILDING



### III INTRA-BUILDING

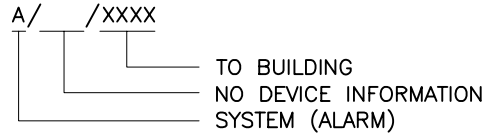
#### A. ACCESS CONTROL SYSTEM (ACS)

1. FOR EXAMPLE, CABLES BETWEEN REMOTE PANEL OR MODEMS AND THE CPU.

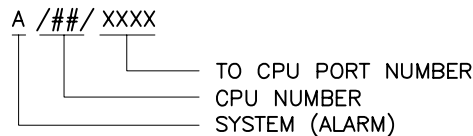


#### B. ALARM

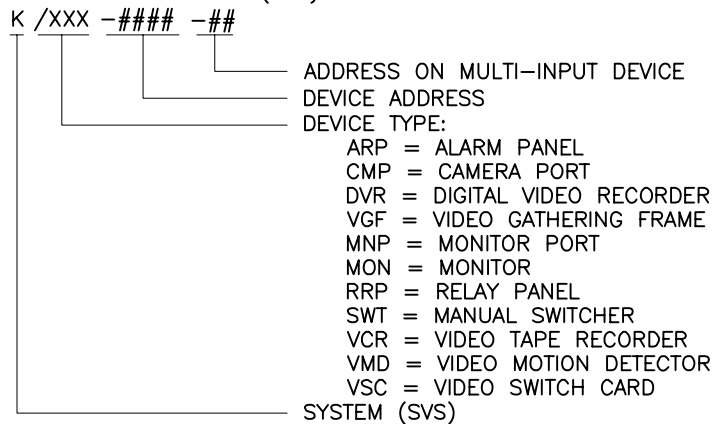
1. FOR EXAMPLE, CABLES BETWEEN TERMINAL BLOCKS, MODEMS AND ALARM CONTROLLER OR RECEIVER



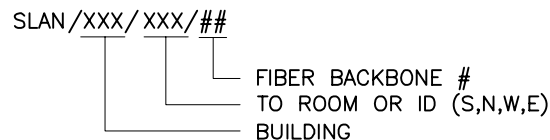
2. FOR EXAMPLE, CABLE(S) BETWEEN ALARM CONTROLLER OR RECEIVER AND CPU

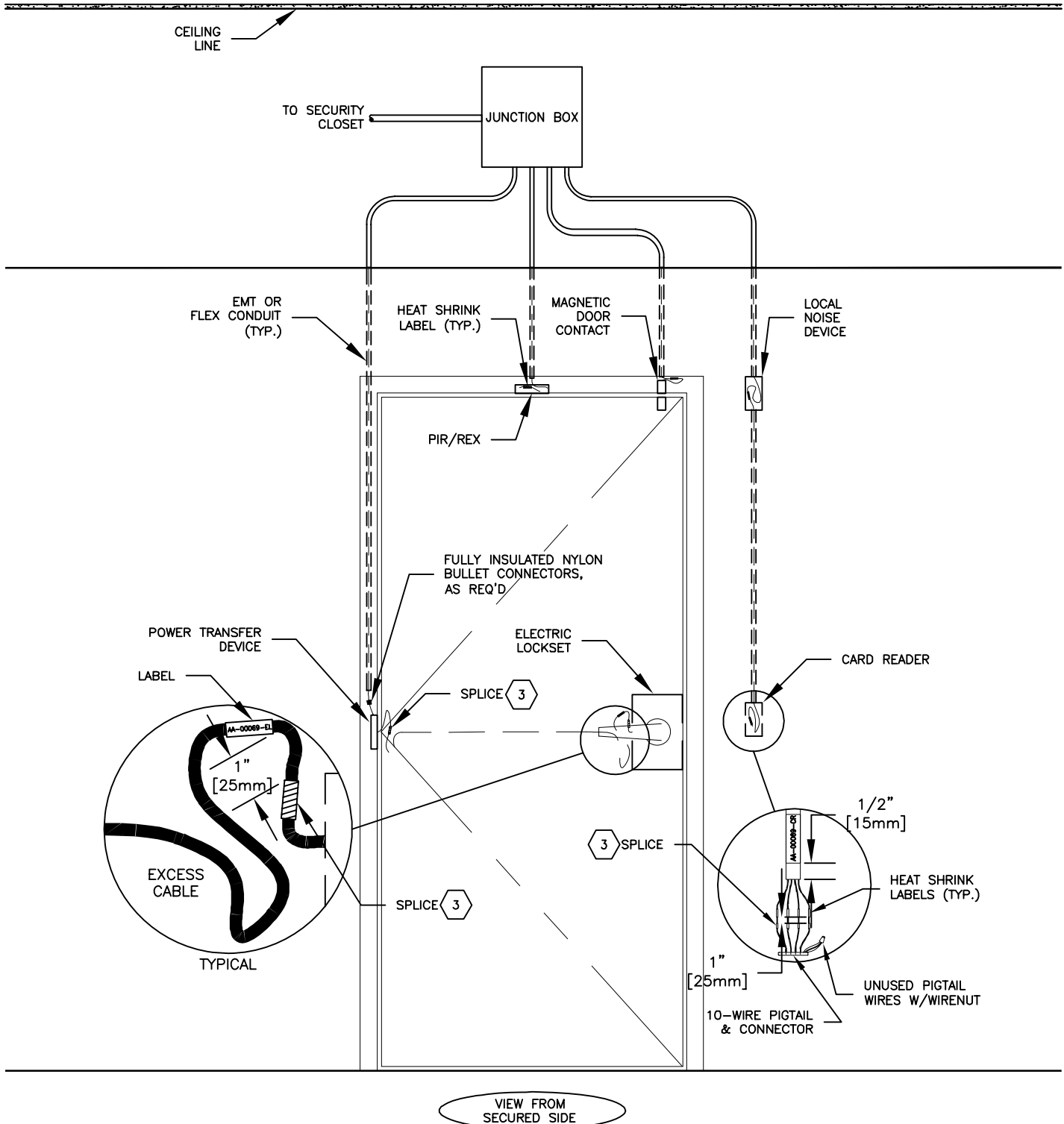


#### C. SECURITY VIDEO SYSTEM (SVS)



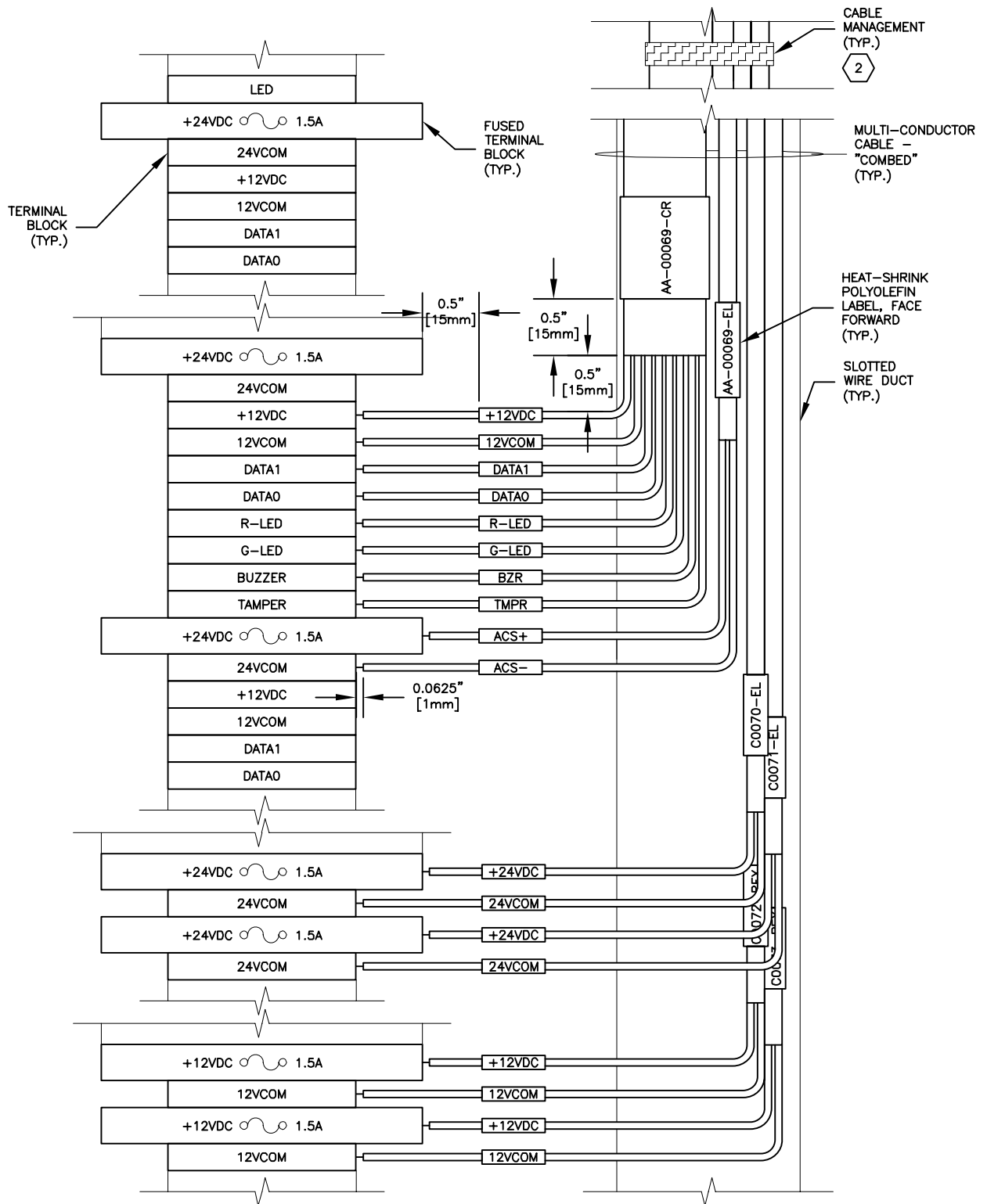
#### D. SECURITY LAN (SLAN) INTRABUILDING





**NOTES**

1. FOR LOCATIONS AWAY FROM CABLE LADDER, SUSPEND CABLE ABOVE CEILING USING CADDY CLIPS.
2. SPLICE NOT SHOWN ON REX, MAGNETIC DOOR CONTACT, LOCAL NOISE DEVICE, AND CARD READER.
3. TYPICAL – SOLDER & HEAT SHRINK SPLICE OR USE A UL LISTED IDC WITH MOISTURE RESISTANT SEAL.



#### NOTES

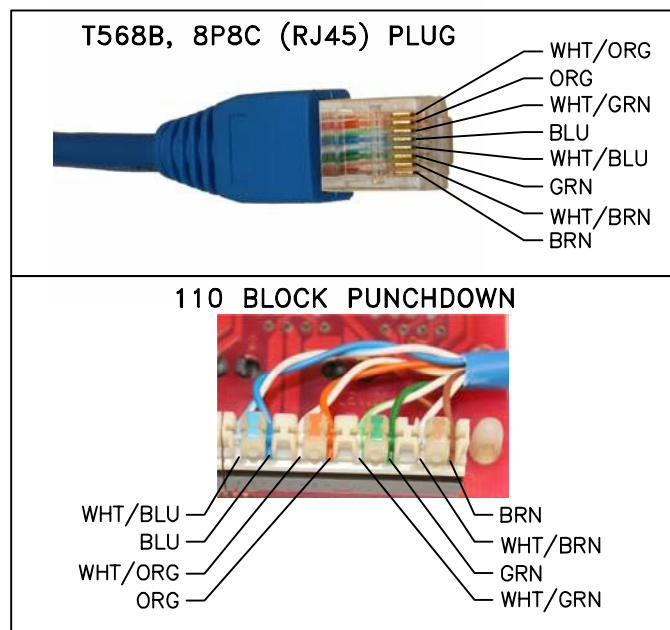
1. LABELS ARE FOR ILLUSTRATION PURPOSES ONLY. REFER TO THE SECURITY DETAILS FOR CABLE/WIRE REQUIREMENTS.

2. FOR CABLE MANAGEMENT – USE PLENUM RATED VELCRO WHENEVER CAT5e, CAT6, OR FIBER CABLE IS INCLUDED. IF NO CAT5e, CAT6, OR FIBER IS INCLUDED, USE EITHER PLENUM RATED VELCRO OR TEFLON TIES. PROVIDE WHERE REQUIRED TO KEEP CABLE NEAT, AND IN ALL CASES, SPACE LESS THAN 4 FEET.

THIS DOCUMENT REFERS TO ANSI/TIA 568c STANDARD AND THE PROJECT SPECIFICATIONS. IN THE CASE THAT THERE ARE ANY CONFLICTS, THE ANSI/TIA 568c CABLING STANDARDS SUPERCEDE ANY DIAGRAMS OR DESCRIPTIONS THAT FOLLOW.


CAT5e/CAT6/CAT6a

1. TOTAL CABLE DISTANCE FROM SWITCH TO DEVICE MUST NOT EXCEED 328' [100m].
2. WHEN TERMINATING CABLE TO 110 BLOCK AT PATCH PANEL OR JACKS, A MAXIMUM OF 1/2" OF WIRE PAIRS MAY BE UNTWISTED.
3. PATCH CABLES ARE TO BE FACTORY MADE WITH SNAGLESS MOLDED CONNECTORS.
4. MINIMUM BEND RADIUS IS 4 TIMES THE CABLE DIAMETER.
5. CONDUCTOR ORDER FOR TERMINATION TO 110 BLOCK OR 8P8C (RJ45) PLUG IS TO FOLLOW THE T568B PINOUT.

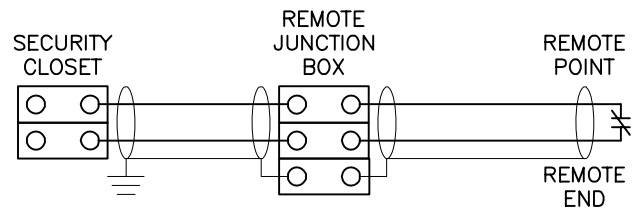


FIBER

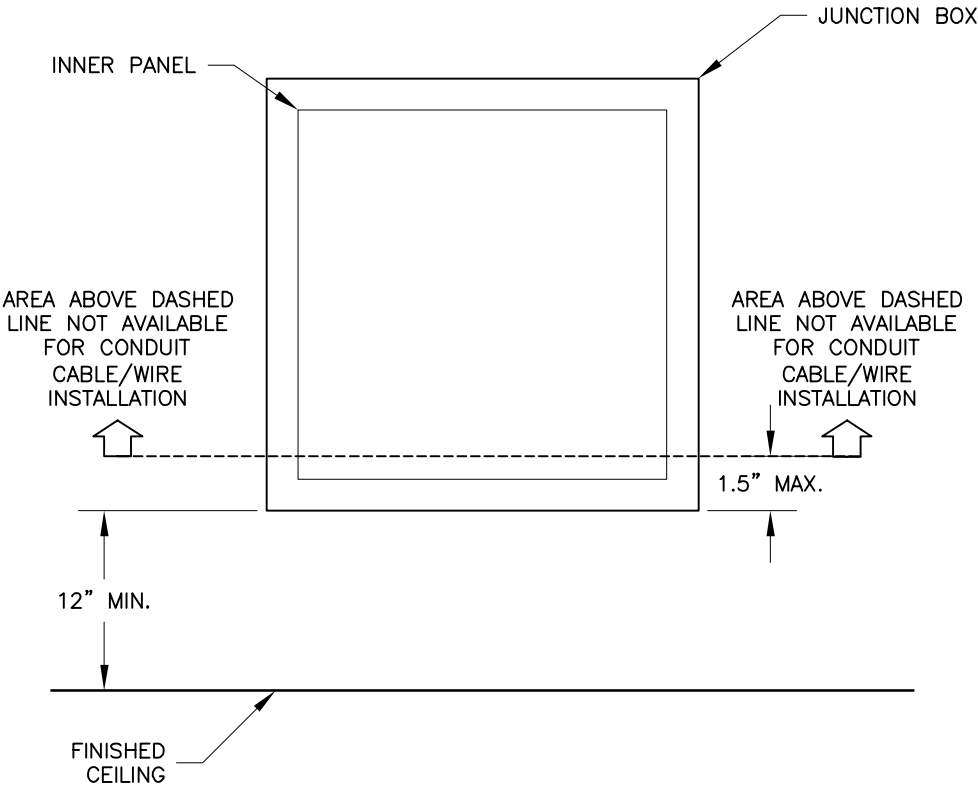
1. TOTAL FIBER DISTANCE FROM SWITCH TO DEVICE MUST NOT EXCEED THE SPECIFICATION OF THE FIBER TRANSCEIVER.
2. MINIMUM BEND RADIUS IS 16 TIMES THE FIBER CABLE DIAMETER. ALWAYS REFER TO THE MANUFACTURER SPECIFICATION FOR THE FIBER CABLE MINIMUM BEND RADIUS.
3. FIBER TERMINATION ORDER FOR FIBER PATCH PANEL (LIU), IS TO FOLLOW INDUSTRY STANDARD.

1		BLUE
2		ORANGE
3		GREEN
4		BROWN
5		SLATE
6		WHITE
7		RED
8		BLACK
9		YELLOW
10		VIOLET
11		ROSE
12		AQUA

THE FIRST 12 FIBERS ARE COLORED AS NOTED, A BLUE BUFFER TUBE MAY OR MAY NOT BE PRESENT DEPENDING ON NUMBER OF FIBERS IN THE CABLE. 2ND SET OF 12 FIBERS (13–24) WILL BE IN THE SAME COLOR PROGRESSION IN AN ORANGE BUFFER TUBE. 3RD+ SETS OF 12 FIBERS WILL BE IN THE SAME COLOR PROGRESSION IN THE SAME COLOR PROGRESSION OF BUFFER TUBES.



NOTES					
1. GROUND SHIELDS TO EARTH GROUND OR SIGNAL COMMON AT ONE END ONLY. ALWAYS FOLLOW MANUFACTURER’S RECOMMENDED GROUNDING PROCEDURES.					



NOTES

1. JUNCTION BOX SHOWN FOR CONCEPT ONLY. JUNCTION BOX SIZE WILL VARY BY DETAIL TYPE.



ID	NON-PLENUM	N/P OD (in.)	PLENUM	P OD (in.)	OSP	OSP OD (in.)	DESCRIPTION	REMARKS
B	BELDEN #5300UE	0.158	BELDEN #6300UE	0.154	BELDEN #5340U1	0.227	18 AWG, 2 CONDUCTOR	POWER, OUTPUTS
D	BELDEN #5500FE	0.183	BELDEN #6500FE	0.173	WEST PENN AQC291	0.205	22 AWG, 1 TW PR, SHIELDED	ALARM, RS485
E	BELDEN #5541FE	0.186	BELDEN #6541FE	0.203	BELDEN #5541P1	0.239	22 AWG, 2 TW PR, SHIELDED	PIR/REX, OSDP CARD READER
G	ALPHA #3075 GY005	0.079		0.000		0.000	18AWG, 1 CONDUCTOR, STRANDED, GREEN	GROUND WIRE
K	BELDEN #2412	0.223	BELDEN #2413	0.224	BELDEN #OSP6U U1W	0.251	4 TW PR, CAT 6	UTP CAMERA, EP1501
N	N/A	0.000	CORNING 006TSP- T4180D20	0.150	CORNING 006TU4- T4180D20	0.410	6 FIBER, MULTIMODE 50μ, OM3, LOOSE TUBE	BUILDING COMMUNICATIONS, SECURITY FIELD PANELS

AWG - AMERICAN WIRE GAUGE  
BC - BARE COPPER  
IMP - IMPEDENCE  
N/P - NON-PLENUM

OSP - OUTSIDE PLANT (DIRECT BURIAL)  
P - PLENUM  
ST - STRANDED  
TW PR - TWISTED PAIR

PHASE 2, A  
SSHP IMPLEMENTATION PH2  
BUILDING: WILLIS HOUSE

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.001  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE306.1.01	00271	KC	SITE	C.7/2.5			EXT CAMERA VIEW ENT TO PARKING			8/11/2017
SE306.1.01	00272	KB	SITE	A.9/4.7			EXT CAMERA SE BLDG VIEW NE			8/11/2017
SE306.1.01	00273	KB	SITE	A.8/3.0			EXT CAMERA S BLDG VIEW E			8/11/2017
SE306.1.01	00274	KB	SITE	B.5/3.0			EXT CAMERA IN PARKING VIEW PARKING			8/11/2017
SE306.2.01	00275	KA	1	D.5/4.3			INT CAMERA CORRIDOR VIEW E			8/11/2017
SE306.2.01	00276	AC	1	C.3/4.6	102		SINGLE DOOR FROM PARKING TO STAIR 1 102			8/11/2017
SE306.2.01	00277	AP	1	E.1/4.7			SINGLE DOOR FROM LOBBY TO OFFICE			8/11/2017
SE306.2.01	00278	KB	1	C.9/5.8	100		INT CAMERA IN VEST 100 VIEW ENT			8/11/2017
SE306.2.01	00279	AS	1	D.5/5.6			SINGLE DOOR FROM VEST 100 TO LOBBY			9/13/2017
SE306.2.02	00280	KM	1	C.5/4.8			INT 360° CAMERA VIEW ELEV LOBBY AND CORRIDOR			8/11/2017
SE306.2.01	00379	AP	1	E.0/4.5			SINGLE DOOR FROM CORRIDOR TO SOCIAL SERVICES			9/15/2017

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

**00.35.002**  
**SCHEDULE**

**PHASE 2, A**  
**SSHP IMPLEMENTATION PH2**

BUILDING: BLAKELEY MANOR

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE307.1.01	00281	KD	SITE	B.0/1.6			EXT CAMERA NW BLDG VIEW NW WALKWAY			8/11/2017
SE307.1.01	00282	KD	SITE	B.0/1.6			EXT CAMERA NW BLDG VIEW PARKING			8/11/2017
SE307.1.01	00283	KB	SITE	C.3/3.2			EXT CAMERA N BLDG VIEW N ENT			8/11/2017
SE307.1.01	00284	KD	SITE	C.6/4.8			EXT CAMERA NE BLDG VIEW NE WALKWAY			8/11/2017
SE307.1.01	00285	KD	SITE	C.6/4.7			EXT CAMERA E BLDG VIEW E ENT			8/11/2017
SE307.1.01	00286	KD	SITE	C.4/4.9			EXT CAMERA SE BLDG VIEW PARKING			8/11/2017
SE307.1.01	00287	KD	SITE	A.6/2.2			EXT CAMERA SW BLDG VIEW W			8/11/2017
SE307.1.01	00288	KD	SITE	A.6/2.0			EXT CAMERA SW BLDG VIEW W ENT			8/11/2017
SE307.2.01E	00289	KM	1	A.4/8.5			INT 360° CAMERA ELEV LOBBY			8/11/2017
SE307.2.01E	00290	GA	1	A.7/8.5		006	SINGLE DOOR FROM EXT TO STAIR 3			8/11/2017
SE307.2.01E	00291	AC	1	A.7/13.9		003	SINGLE DOOR FROM EXT TO NE BLDG			8/11/2017
SE307.2.01E	00292	GA	1	A.8/13.7		005	SINGLE DOOR FROM EXT TO STAIR 4			8/11/2017
SE307.2.01E	00293	KA	1	A.7/12.9			INT CAMERA E CORRIDOR VIEW NE ENT			8/11/2017
SE307.2.01W	00294	AC	1	A.6/8.1		013	SINGLE DOOR FROM EXT TO SW BLDG			8/11/2017
SE307.2.01W	00295	AP	1	A.3/14.3			SINGLE DOOR FROM LOBBY TO MAIN OFFICE			8/11/2017
SE307.2.01W	00296	AS	1	A.2/14.5		001	SINGLE DOOR FROM EXT TO LOBBY			9/13/2017
SE307.2.01W	00297	GA	1	A.8/14.8		008	SINGLE DOOR E ENT TO LOUNGE #2			8/11/2017
SE307.2.01W	00298	KM	1	A.4/14.5			INT 360° CAMERA IN LOBBY			8/11/2017
SE307.2.01W	00299	AC	1	A.8/14.2		009	SINGLE DOOR W ENT TO LOUNGE #2			8/11/2017
SE307.2.01W	00300	GA	1	A.6/13.5		010	SINGLE DOOR FROM EXT TO STAIR 2			8/11/2017
SE307.2.01W	00301	KA	1	A.6/9.2			INT CAMERA SW CORRIDOR VIEW SW ENT			8/11/2017
SE307.2.01W	00302	GA	1	A.8/8.4		011	SINGLE DOOR FROM EXT TO STAIR 1			8/11/2017
SE307.2.01W	00380	AP	1	A.4/14.3			SINGLE DOOR FROM LOBBY TO SOCIAL SERVICES			9/15/2017

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

**00.35.003**

**SCHEDULE**

## PHASE 2, A

### SSHP IMPLEMENTATION PH2

BUILDING: PRIMEAU PLACE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE313.1.01	00303	KB	SITE	D.3/4.6			EXT CAMERA NE BLDG VIEW NE			8/11/2017
SE313.1.01	00304	KM	SITE	C.5/4.6			EXT 180° CAMERA E BLDG VIEW PARKING			8/11/2017
SE313.1.01	00305	KB	SITE	C.2/3.4			EXT CAMERA S BLDG VIEW S ENT			8/11/2017
SE313.1.01	00306	KB	SITE	B.5/2.5			EXT CAMERA S BLDG E WALL VIEW S			8/11/2017
SE313.1.01	00307	KB	SITE	B.1/1.8			EXT CAMERA SW BLDG VIEW N			8/11/2017
SE313.1.01	00308	KB	SITE	C.0/1.8			EXT CAMERA W BLDG VIEW SW			8/11/2017
SE313.1.01	00309	KC	SITE	D.1/1.6			EXT CAMERA NW BLDG VIEW S			8/11/2017
SE313.1.01	00310	KC	SITE	D.1/1.7			EXT CAMERA NW BLDG VIEW NW			8/11/2017
SE313.2.B1	00317	KA	BSMT	8.9/C.9			INT CAMERA N CORRIDOR VIEW S			8/11/2017
SE313.2.B1	00318	KA	BSMT	7.5/F.5			INT CAMERA N CORRIDOR VIEW W			8/11/2017
SE313.2.B1	00319	GA	BSMT	1.8/E.0			SINGLE DOOR FROM EXT TO STAIR 1			8/11/2017
SE313.2.B1	00320	KM	BSMT	2.8/D.3			INT 360° CAMERA IN ELEV LOBBY			8/11/2017
SE313.2.B1	00321	BC	BSMT	<1.0/C.5			DBL DOOR FROM EXT TO COMMUNITY ROOM			8/11/2017
SE313.2.B1	00322	AS	BSMT	2.5/C.0			SINGLE DOOR FROM EXT TO LOBBY			9/13/2017
SE313.2.B1	00323	AP	BSMT	3.1/C.5			SINGLE DOOR FROM LOBBY TO MANAGERS OFFICE			8/11/2017
SE313.2.B1	00381	AP	BSMT	3.6/C.7			SINGLE DOOR FROM LOBBY TO SOCIAL SERVICES OFFICE			9/15/2017
SE313.2.01	00311	KA	1	5.1/H.0			INT CAMERA VIEW ENT TO STAIR 2			8/11/2017
SE313.2.01	00312	KA	1	7.5/K.0			INT CAMERA IN E CORRIDOR VIEW E			8/11/2017
SE313.2.01	00313	AC	1	7.0/P.9			SINGLE DOOR FROM EXT TO STAIR 3			8/11/2017
SE313.2.01	00314	KA	1	5.8/P.0			INT CAMERA STAIR 3 VIEW ENTRIES			8/11/2017
SE313.2.01	00315	GA	1	4.8/G.9			SINGLE DOOR FROM EXT TO STAIR 2			8/11/2017
SE313.2.01	00316	KM	1	2.8/D.3			INT 360° CAMERA IN ELEV LOBBY			8/11/2017

PHASE 2, A  
SSHP IMPLEMENTATION PH2  
BUILDING: NELSON MANOR

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.004  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE319.1.01	00324	KD	SITE	C.1/2.3			EXT CAMERA NW BLDG S WALL VIEW PARKING			8/11/2017
SE319.1.01	00325	KB	SITE	C.8/2.8			EXT CAMERA N BLDG VIEW ENT TO STAIR 2			8/11/2017
SE319.1.01	00326	KB	SITE	C.2/2.0			EXT CAMERA VIEW TRASH ENCLOSURE			8/11/2017
SE319.2.01	00327	AC	2	2.1/B.1			SINGLE DOOR FROM EXT TO W BLDG			8/11/2017
SE319.2.01	00328	GA	2	1.0/B.1			SINGLE DOOR FROM EXT TO STAIR 2			8/11/2017
SE319.2.01	00329	KA	2	2.2/B.5			INT CAMERA W CORRIDOR VIEW W ENT			8/11/2017
SE319.2.01	00330	KM	2	2.4/B.8			INT 360° CAMERA IN ELEV LOBBY			8/11/2017
SE319.2.01	00331	GA	2	3.2/C.8			SINGLE DOOR FROM EXT TO STAIR 1			8/11/2017
SE319.2.01	00332	KA	2	3.2/C.6			INT CAMERA IN STAIR 1 VIEW EXT ENT			8/11/2017
SE319.2.01	00333	AP	2	2.5/B.9			SINGLE DOOR FROM ELEV LOBBY TO OFFICE			8/11/2017
SE319.2.01	00334	GA	2	3.2/C.0			SINGLE DOOR FROM EXT TO LOUNGE 1			8/11/2017
SE319.2.01	00335	AS	2	2.6/B.8			SINGLE DOOR FROM VESTIBULE TO ELEV LOBBY			9/13/2017
SE319.2.01	00336	KB	2	2.6/B.6			INT CAMERA IN VETIBULE VIEW EXT ENT			8/11/2017
SE319.2.01	00338	KB	2	2.5/B.0			EXT CAMERA W BLDG VIEW W ENT			8/11/2017

PHASE 2, A  
SSHP IMPLEMENTATION PH2  
BUILDING: SUNRISE MANOR

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.005  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE320.1.01	00339	KB	SITE	C.6/2.9			EXT CAMERA NW BLDG VIEW S			8/11/2017
SE320.1.01	00340	KB	SITE	B.6/4.9			EXT CAMERA E BLDG VIEW S			8/11/2017
SE320.1.01	00341	KM	SITE	B.1/4.2			EXT 180° CAMERA VIEW S ENT AND PATIO			8/11/2017
SE320.1.01	00342	KB	SITE	A.8/2.8			EXT CAMERA SW BLDG VIEW N			8/11/2017
SE320.1.01	00343	KB	SITE	B.5/2.8			EXT CAMERA W BLDG VIEW N			8/11/2017
SE320.2.01	00344	KM	1	1.7/A.4			INT 360° CAMERA N AND E CORRIDORS			8/11/2017
SE320.2.01	00345	AC	1	1.4/A.8			SINGLE DOOR FROM EXT TO STAIR 1			8/11/2017
SE320.2.01	00346	KA	1	1.4/A.7			INT CAMERA IN STAIR 1 VIEW STAIR ENT			8/11/2017
SE320.2.01	00347	AC	1	1.4/A.6			SINGLE DOOR FROM EXT TO LOUNGE 1			8/11/2017
SE320.2.01	00348	AS	1	1.4/A.2			SINGLE DOOR FROM VESTIBULE TO ELEV LOBBY			9/13/2017
SE320.2.01	00349	AP	1	1.3/A.2			SINGLE DOOR FROM LOUNGE #2 TO OFFICE			8/11/2017
SE320.2.01	00350	AC	1	1.4/A.1			SINGLE DOOR FROM EXT TO STAIR 2			8/11/2017
SE320.2.01	00351	KM	1	1.4/A.2			INT 360° CAMERA VIEW CORRIDOR AND ELEV LOBBY			8/11/2017
SE320.2.01	00352	HA	1	1.5/A.1			DBL DOOR FROM EXT TO TRASH			8/11/2017
SE320.2.01	00382	AP	1	1.2/A.2			SINGLE DOOR FROM LOUNGE #2 TO SOCIAL SERVICE			9/13/2017

PHASE 2, A  
SSHP IMPLEMENTATION PH2  
BUILDING: RAVENNA SCHOOL APTS

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE322.1.01	00353	KB	SITE	C.6/2.5			EXT CAMERA SW BLDG VIEW N			8/11/2017
SE322.1.01	00354	KB	SITE	C.5/2.8			EXT CAMERA SW BLDG N WALL VIEW NE			8/11/2017
SE322.1.01	00355	KC	SITE	B.9/3.2			EXT CAMERA W BLDG S CAMERA VIEW W			8/11/2017
SE322.1.01	00356	KC	SITE	B.9/3.9			EXT CAMERA W BLDG N CAMERA VIEW W			8/11/2017
SE322.1.01	00357	KC	SITE	B.8/4.7			EXT CAMERA NW BDLG VIEW SW			8/11/2017
SE322.1.01	00358	KB	SITE	A.9/4.4			EXT CAMERA NE BLDG VIEW E ENT AND PATIO			8/11/2017
SE322.1.01	00359	KB	SITE	A.7/2.9			EXT CAMERA SE BLDG VIEW SE ENT			8/11/2017
SE322.2.01	00360	GA	1	D.5/2.0	S-4		SINGLE DOOR FROM EXT TO STAIR 4			8/11/2017
SE322.2.01	00361	HA	1	E.0/1.8			DBL DOOR FROM EXT TO NW BLDG			8/11/2017
SE322.2.01	00362	AC	1	D.0/3.3	101		SINGLE DOOR FROM EXT TO TRASH 101			8/11/2017
SE322.2.01	00363	KM	1	C.5/7.8			INT 360° CAMERA VIEW HALL AND MAIL ROOM 107			8/11/2017
SE322.2.01	00364	BJ	1	D.2/7.2			DBL DOOR FROM EXT TO N ENT			9/15/2017
SE322.2.01	00365	KA	1	D.1/8.0			INT CAMERA VIEW N ENT			8/11/2017
SE322.2.01	00366	AP	1	C.4/8.8	108		SINGLE DOOR FROM MAIL ROOM 107 TO OFFICE 108			8/11/2017
SE322.2.01	00367	HA	1	C.8/11.3	S-2		DBL DOOR NE BLDG W ENT TO STAIR 2			8/11/2017
SE322.2.01	00368	HA	1	C.8/11.7	S-2		DBL DOOR NE BLDG E ENT TO STAIR 2			8/11/2017
SE322.2.01	00369	HA	1	C.0/12.0	H-1		DBL DOOR FROM VESTIBULE 110 TO HALL 1			8/11/2017
SE322.2.01	00370	HA	1	A.4/12.3	122		DBL DOOR FROM EXT TO OPEN OFFICE 122			8/11/2017
SE322.2.01	00371	KA	1	B.1/12.0			EXT CAMERA IN SE EXT CORRIDOR VIEW ENT			8/11/2017
SE322.2.01	00372	KM	1	C.0/11.3	H-1		INT 360° E HALL 1			8/11/2017
SE322.2.01	00373	AS	1	A.8/7.0			SINGLE DOOR FROM EXT TO S ENT			9/13/2017
SE322.2.01	00374	KM	1	B.9/7.0	H-1		INT 360° CAMERA VIEW HALL 1 AND S ENT			8/11/2017
SE322.2.01	00375	HA	1	A.2/2.0	S-3		DBL DOOR FROM EXT TO STAIR 3 S-3			8/11/2017
SE322.2.01	00376	KA	1	B.8/2.0	H-1		INT CAMERA W HALL 1 VIEW E			8/11/2017
SE322.2.01	00377	HA	1	C.8/2.1	S-1		DBL DOOR NW BLDG W ENT TO STAIR 1			8/11/2017
SE322.2.01	00378	HA	1	C.8/2.8	S-1		DBL DOOR NW BLDG E ENT TO STAIR 1			8/11/2017
SE322.2.01	00383	AP	1	B.9/9.1	109		SINGLE DOOR FROM HALL 1 TO JANITOR 109			9/15/2017

PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: WILDWOOD GLEN

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE301.1.01	00384	KB	SITE	D.3/3.2			EXT CAMERA NORTH WALL VIEW NORTH			9/21/2017
SE301.1.01	00385	KB	SITE	B.7/5.2			EXT CAMERA SE WALL VIEW N			9/21/2017
SE301.1.01	00386	KB	SITE	B.1/4.6			EXT CAMERA SOUTH WALL VIEW EAST			9/21/2017
SE301.1.01	00387	KD	SITE	B.2/3.9			EXT CAMERA SW WALL VIEW PARKING WEST			9/21/2017
SE301.2.01	00388	GA	B/1	K.1/8.8	158	158	SINGLE DOOR FROM EXT TO STAIR 158			9/21/2017
SE301.2.01	00390	KM	B/1	J.6/10.3			INT 360° CAMERA SOUTH HALL VIEW LOBBY 150			9/21/2017
SE301.2.01	00391	AS	B/1	J.6/11.0	150	150	SINGLE DOOR FROM EXT TO LOBBY 150			9/21/2017
SE301.2.01	00392	AP	B/1	H.9/10.0	156	56	SINGLE DOOR FROM LOBBY TO OFFICE 156			9/21/2017
SE301.2.01	00393	AP	B/1	H.1/10.3	157	57	SINGLE DOOR 57 SOUTH FROM HALLWAY TO SOCIAL SERVICES 157			9/21/2017
SE301.2.01	00396	KA	B/1	A.9/1.2	162		INT CAMERA STAIR 162 VIEW EXT DOOR			10/24/2017
SE301.2.01	00397	AC	B/1	A.8/<1.0	162	162A	SINGLE DOOR 162A FROM EXT TO STAIR 162			9/21/2017

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE304.1.01	00398	KD	SITE	A.6/3.9			EXT CAMERA SE WALL VIEW STAIRS NORTH			9/21/2017
SE304.1.01	00400	KC	SITE	B.8/2.8			EXT CAMERA SW WALL VIEW WEST			9/21/2017
SE304.1.01	00401	KD	SITE	B.8/2.4			EXT CAMERA SW WALL VIEW SOUTH			9/21/2017
SE304.1.01	00402	KD	SITE	E.0/2.8			EXT CAMERA NW WALL VIEW SOUTH			9/21/2017
SE304.1.01	00404	KD	SITE	D.5/2.4			EXT CAMERA NW WALL VIEW NORTH			10/24/2017
SE304.2.01	00405	KA	SITE	G.2/3.0			INT CAMERA VIEW STAIR #1			10/24/2017
SE304.2.01	00408	KM	1	B.2/8.2			INT 360° CAMERA VIEW LOBBY			9/21/2017
SE304.2.01	00409	AP	1	B.0/8.2			SINGLE DOOR FROM LOBBY TO OFFICE			9/21/2017
SE304.2.01	00410	AS	1	B.2/9.1			SINGLE DOOR FROM EXT TO LOBBY			9/21/2017
SE304.2.01	00411	AP	1	A.5/9.0			SINGLE DOOR FROM LOUNGE TO SOCIAL SERVICES			9/21/2017
SE304.2.01	00412	GA	1	A.6/1.0			SINGLE DOOR FROM EXT TO STAIR #2			9/21/2017
SE304.2.01	00413	AC	1	B.2/1.2			SINGLE DOOR FROM EXT TO CORRIDOR			9/21/2017
SE304.2.01	00414	GA	1	G.0/4.4			SINGLE DOOR FROM EXT TO STAIR #1			9/21/2017
SE304.2.01	00536	AC	1	C.8/5.0			EXT SINGLE DOOR TO COMMUNITY AREA			9/21/2017



PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: FREMONT PLACE

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.008  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE305.1.01	00415	KD	SITE	C.7/3.1			EXT CAMERA NORTH VIEW EAST			9/21/2017
SE305.2.01	00416	KA	1	H.3/23.0			INT CAMERA NE CORRIDOR VIEW WEST			9/21/2017
SE305.2.01	00417	KM	1	F.0/20.7			INT 360° CAMERA VIEW LOBBY			9/21/2017
SE305.2.01	00418	AS	1	F.0/22.0			SINGLE DOOR FROM VEST TO LOBBY			9/21/2017
SE305.2.01	00419	GA	1	D.0/23.0			SINGLE DOOR FROM VEST TO STAIR #1			9/21/2017
SE305.2.01	00420	AP	1	C.6/17.4			SINGLE DOOR FROM HALL TO OFFICE #1			9/21/2017
SE305.2.01	00421	AP	1	C.3/17.2			SINGLE DOOR HALL TO OFFICE #2			9/21/2017
SE305.2.01	00422	KA	1	D.6/12.4			INT CAMERA VIEW WEST MID CORRIDOR			9/21/2017
SE305.2.01	00423	BJ	1	A.1/11.5			DOUBLE DOOR TO COMMUNITY ROOM FROM EXT			10/25/2017
SE305.2.01	00424	AC	1	H.4/10.0			SINGLE DOOR FROM EXT TO W CORRIDOR			9/21/2017
SE305.2.01	00425	KA	1	K.4/9.8			INT CAMERA W COORIDOR VIEW SOUTH			9/21/2017
SE305.2.01	00426	GA	1	L.0/10.0			SINGLE DOOR FROM EXT TO STAIRS #2			9/21/2017

PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: ISLAND VIEW

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE311.1.01	00445	KD	SITE	C.2/3.2			EXT CAMERA EAST BLDG VIEW PATHWAY			9/22/2017
SE311.1.01	00446	KA	SITE	B.0/5.6			EXT CAMERA SOUTH BLDG VIEW S STAIR			9/22/2017
SE311.1.01	00447	KD	SITE	B.1/4.6			EXT CAMERA SW BLDG VIEW NW			9/22/2017
SE311.1.01	00448	KD	SITE	A.9/2.9			EXT CAMERA NW BLDG VIEW NW			9/22/2017
SE311.1.01	00449	KD	SITE	C.0/1.6			EXT CAMERA NORTH VIEW WEST			10/24/2017
SE311.2.B1	00450	KM	BSMT	F.2/9.8			INT 360° CAMERA VIEW LOBBY			9/22/2017
SE311.2.B1	00451	AS	BSMT	E.5/9.8			SINGLE DOOR FROM EXT TO LOBBY			9/22/2017
SE311.2.01	00452	GA	1	L.0/2.5			SINGLE DOOR FROM EXT TO N STAIRS			9/22/2017
SE311.2.01	00453	KA	1	J.5/5.0			INT CAMERA N CORRIDOR VIEW N STAIRS			9/22/2017
SE311.2.01	00454	AS	1	G.0/9.8			SINGLE DOOR FROM EXT TO ELEV LOBBY			9/22/2017
SE311.2.01	00455	GA	1	K.0/11.5			SINGLE DOOR FROM EXT TO N LOUNGE			9/22/2017
SE311.2.01	00456	GA	1	K.0/13.0			SINGLE DOOR FROM EXT TO S LOUNGE			9/22/2017
SE311.2.01	00457	GA	1	C.1/18.9			SINGLE DOOR FROM EXT TO S STAIRS			9/22/2017
SE311.2.01	00458	KA	1	D.9/16.6			INT CAMERA S CORRIDOR VIEW S STAIRS			9/22/2017
SE311.2.01	00459	AP	1	E.9/12.5			SINGLE DOOR FROM HALL TO SOCIAL SERVICES			9/22/2017
SE311.2.01	00460	AP	1	D.5/12.1			SINGLE DOOR FROM HALL TO OFFICE			9/22/2017
SE311.2.01	00461	KM	1	F.0/9.7			INT 360° CAMERA VIEW LOBBY			9/22/2017

PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: MICHAELSON MANOR

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE314.1.01	00427	KD	SITE	C.8/4.2			EXT CAMERA NORTH VIEW WEST			9/21/2017
SE314.1.01	00428	KD	SITE	A.8/4.6			EXT CAMERA SE VIEW PARKING ENT			9/21/2017
SE314.1.01	00429	KD	SITE	B.3/3.5			EXT CAMERA S BLDG VIEW SOUTHWEST			9/21/2017
SE314.1.01	00430	KD	SITE	B.9/2.1			EXT CAMERA WEST BLDG VIEW SOUTHWEST			9/21/2017
SE314.2.B1	00431	GA	BSMT	3.5/M.9			SINGLE DOOR FROM GARAGE TO STAIR #3			10/24/2017
SE314.2.B1	00432	AC	BSMT	7.2/K.0			SINGLE DOOR FROM PARKING TO VEST			9/21/2017
SE314.2.B1	00433	GA	BSMT	11.5/O.5			SINGLE DOOR FROM GARAGE TO STAIR #2			9/21/2017
SE314.2.B1	00434	NO	BSMT	15.0/N.2			VEHICLE ROLL UP GATE			10/24/2017
SE314.2.B1	00435	AS	BSMT	15.0/O.0			SINGLE EXT DOOR TO PARKING GARAGE			10/24/2017
SE314.2.B1	00437	AS	BSMT	9.9/E.9			SINGLE DOOR FROM VESTIBULE TO LOBBY & SITTING			9/21/2017
SE314.2.B1	00438	HA	BSMT	12.0/C.9		B01	DOUBLE DOOR FROM EXT TO COMMUNITY ROOM			9/21/2017
SE314.2.B1	00439	KM	BSMT	8.5/E.9			IN 360° CAMERA IN LOBBY AND SITTING			9/21/2017
SE314.2.B1	00440	GA	BSMT	7.0/B.0		B03	SINGLE DOOR TO STAIR #1			9/21/2017
SE314.2.B1	00441	AP	BSMT	5.8/E.9			SINGLE DOOR FROM HALL TO SHA OFFICE			9/21/2017
SE314.2.B1	00442	KM	BSMT	7.0/G.4			INT 360° CAMERA ELEVATOR LOBBY			9/21/2017
SE314.2.01	00443	AC	1	3.4/J.4			SINGLE DOOR FROM EXT TO N CORRIDOR			10/24/2017
SE314.2.01	00444	KA	1	5.8/K.0			INT CAMERA VIEW N EXT DOOR			9/21/2017

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

**00.35.011**  
**SCHEDULE**

## PHASE 2, B

### SSHP IMPLEMENTATION PH2

BUILDING: FORT LAWTON PLACE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE315.1.01	00462	KD	SITE	B.6/2.4			EXT CAMERA WEST VIEW SW			9/22/2017
SE315.1.01	00463	KD	SITE	B.8/3.7			EXT CAMERA EAST VIEW SE			9/22/2017
SE315.1.01	00464	KD	SITE	A.3/2.9			EXT CAMERA SOUTH VIEW EAST			9/22/2017
SE315.2.01	00465	AS	1	L.0/9.8	154		SINGLE DOOR FROM EXT TO N ENT			9/22/2017
SE315.2.01	00466	AC	1	M.4/15.0	155		SINGLE DOOR FROM EXT TO COMMUNITY 155			10/24/2017
SE315.2.01	00467	KA	1	J.6/10.3			INT CAMERA VIEW N ENTRY DOOR			9/22/2017
SE315.2.01	00468	AP	1	H.7/10.4	162		SINGLE DOOR FROM CIRCULATION TO SOCIAL SERVICES			9/22/2017
SE315.2.01	00469	KM	1	F.9/9.4	160		INT NORTH 360° CAMERA CIRCULATION 160			9/22/2017
SE315.2.01	00470	KM	1	A.5/7.6	160		INT SOUTH 360° CAMERA CIRCULATION 160			9/22/2017
SE315.2.01	00471	GA	1	A.5/5.5	160		SINGLE DOOR FROM EXT TO CIRCULATION 160			10/24/2017
SE315.2.01	00472	AC	1	F.2/5.0	160		SINGLE DOOR FROM EXT TO CIRCULATION 160			9/22/2017
SE315.2.01	00473	AP	1	H.7/7.5	163		SINGLE DOOR FROM CIRCULATION 160 TO MANAGER 163			10/30/2017
SE315.2.02	00474	GA	2	G.2/15.0			SINGLE DOOR FROM EXT TO STAIR 1			9/22/2017
SE315.2.02	00475	KA	2	G.6/14.8			INT CAMERA VIEW STAIR 253			10/24/2017
SE315.2.02	00476	KA	2	A.2/6.9			CAMERA VIEW STAIR 250			9/22/2017
SE315.2.02	00477	GA	2	A.0/7.5	250	250B	SINGLE DOOR FROM EXT TO STAIR 250			9/22/2017

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

**00.35.012**  
**SCHEDULE**

## PHASE 2, B

### SSHP IMPLEMENTATION PH2

BUILDING: SCHWABACHER HOUSE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE316.1.01	00478	KD	SITE	C.1/3.9			EXT CAMERA NE BLDG VIEW NW			9/25/2017
SE316.1.01	00479	KD	SITE	C.0/4.7			EXT CAMERA NE BLDG VIEW SE			9/25/2017
SE316.1.01	00480	KD	SITE	A.8/4.6			EXT CAMERA SE BLDG VIEW NE			9/25/2017
SE316.1.01	00481	KD	SITE	A.6/2.7			EXT CAMERA SOUTH BLDG VIEW SOUTHEAST			9/25/2017
SE316.2.01	00482	GA	1	1.5/C.0		001	SINGLE DOOR FROM EXT TO STR 1			9/25/2017
SE316.2.01	00483	KA	1	2.4/B.7			CAMERA WEST VIEW HALL SOUTH			9/25/2017
SE316.2.01	00484	GA	1	4.3/B.9			SINGLE DOOR FROM EXT TO E COMMUNITY ROOM			9/25/2017
SE316.2.01	00485	GA	1	5.5/B.6			SINGLE DOOR FROM EXT TO W COMMUNITY ROOM			9/25/2017
SE316.2.01	00486	AS	1	6.9/B.6			SINGLE DOOR FROM EXT TO LOBBY			9/25/2017
SE316.2.01	00487	AP	1	7.3/B.9			SINGLE DOOR FROM LOBBY TO SOCIAL SERVICES			9/25/2017
SE316.2.01	00488	AJ	1	8.0/C.0		004	SINGLE DOOR FROM EXT TO HALL			10/24/2017
SE316.2.01	00489	GA	1	9.0/B.1		006	SINGLE DOOR FROM EXT TO STR3			9/25/2017
SE316.2.01	00490	AP	1	7.0/C.8			SINGLE DOOR FROM LOBBY TO OFFICE			9/25/2017
SE316.2.01	00491	KM	1	6.6/D.9			INT 360° CAMERA VIEW LOBBY			9/25/2017
SE316.2.01	00492	KM	1	4.2/D.2			INT 360° CAMERA VIEW STAIR 2			10/24/2017
SE316.2.01	00493	GA	1	4.3/E.0		002	SINGLE DOOR FROM EXT TO STAIR 2			10/24/2017
SE316.2.01	00537	KA	1	7.3/C.0			INT CAMERA VIEW E EXT DOOR 004			10/24/2017

PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: PHINNEY TERRACE

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.013  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE317.1.01	00494	KD	SITE	2.8/B.9			CAMERA S BLDG VIEW E			9/25/2017
SE317.1.01	00495	KD	SITE	14.9/B.8			CAMERA WEST VIEW N			10/24/2017
SE317.1.01	00496	KD	SITE	3.8/B.5			CAMERA EAST BLDG VIEW S			9/25/2017
SE317.2.01N	00506	AC	1	44.5/G.0			SINGLE DOOR FROM EXT TO STAIR 1			9/26/2017
SE317.2.01N	00507	KM	1	45.0/K.0			INT 360° CAMERA VIEW CORRIDOR			9/25/2017
SE317.2.01S	00497	AC	1	1.6/L.5		204	SINGLE DOOR EXT TO CORRIDOR			9/25/2017
SE317.2.01S	00498	KM	1	4.5/L.5			INT 360° CAMERA VIEW S CORRIDOR			9/25/2017
SE317.2.01S	00499	AP	1	19.0/I.7			SINGLE DOOR FROM CORRIDOR TO OFFICE			9/25/2017
SE317.2.01S	00500	AP	1	21.0/H.0			SINGLE DOOR FROM CORRIDOR TO SOCIAL SERVICES OFFICE			9/25/2017
SE317.2.01S	00501	KM	1	24.0/I.8			INT 360° CAMERA VIEW OF N CORRIDOR			9/25/2017
SE317.2.01S	00502	GA	1	25.9/I.4		207	SINGLE DOOR FROM EXT TO STAIR 2			9/25/2017
SE317.2.01S	00503	AS	1	24.5/Q.0		201	SINGLE DOOR FROM EXT TO CORRIDOR			9/25/2017
SE317.2.01S	00504	GA	1	4.3/V.0		203	SINGLE DOOR FROM EXT TO STAIR 3			9/25/2017

PHASE 2, B  
SSHP IMPLEMENTATION PH2  
BUILDING: OLMSTED MANOR

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

00.35.014  
SCHEDULE

SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE318.2.01	00508	KD	SITE	5.2/C.2			EXT CAMERA SE BLDG VIEW NE			9/25/2017
SE318.2.01	00509	KD	SITE	5.2/B.4			EXT CAMERA S BLDG VIEW STAIR DOOR ENT			9/25/2017
SE318.2.01	00510	KD	SITE	3.3/B.6			EXT CAMERA WEST BLDG VIEW SOUTHWEST			9/25/2017
SE318.2.01	00511	KD	SITE	2.4/B.6			EXT CAMERA NORTHWEST BLDG VIEW SOUTHWEST			9/25/2017
SE318.2.01	00512	KA	1	A.4/2.2			INT CAMERA VIEW STAIR 1 EXT ENT			9/25/2017
SE318.2.01	00513	AP	1	A.9/2.0			SINGLE DOOR FROM LOUNGE #2 TO OFFICE			9/25/2017
SE318.2.01	00514	AP	1	A.9/2.5			SINGLE DOOR FROM LOUNGE #2 TO SOCIAL SERVICE			9/25/2017
SE318.2.01	00515	KM	1	B.1/2.6			INT 360° CAMERA VIEW LOBBY & LOUNGE #2			9/25/2017
SE318.2.01	00516	GA	1	B.5/2.2			SINGLE DOOR FROM EXT TO N LOUNGE #1			9/25/2017
SE318.2.01	00517	KA	1	B.5/3.0			INT CAMERA VIEW STAIR 2 ENT			9/25/2017
SE318.2.01	00518	GA	1	B.8/2.2			SINGLE DOOR FROM EXT TO S LOUNGE #1			9/25/2017
SE318.2.01	00519	GA	1	B.9/3.1			SINGLE DOOR EXT TO STAIR #2			9/25/2017
SE318.2.01	00520	AS	1	A.9/2.7			SINGLE DOOR FROM EXT TO LOUNGE #2			9/25/2017
SE318.2.01	00521	AC	1	A.4/2.9			SINGLE DOOR FROM EXT TO STAIR #1			9/25/2017

ALL POINTS  
SEATTLE HOUSING AUTHORITY  
SSHP IMPLEMENTATION PHASE 2, A AND B  
100% CD FOR BID  
SHA170902

**00.35.015**  
**SCHEDULE**

**PHASE 2, B**

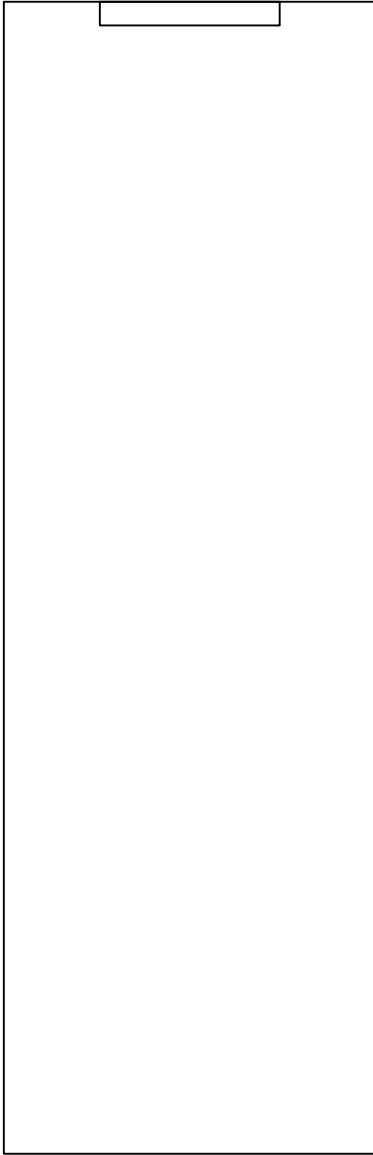
**SSHP IMPLEMENTATION PH2**

BUILDING: CARROLL TERRACE

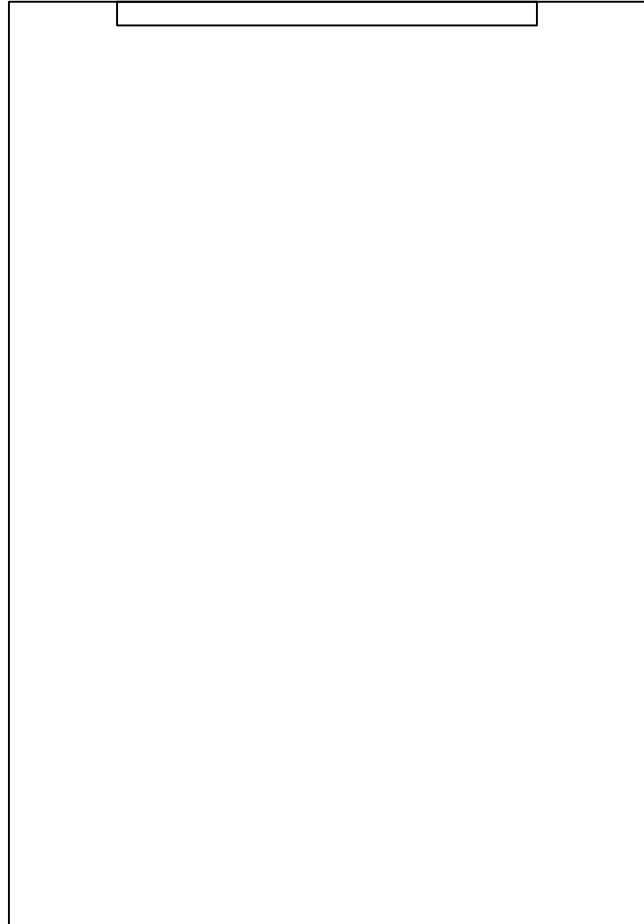
SORTED: SITE/BLDG/PLAN/POINT

PLAN	POINT	DETAIL	FLOOR	LOCATION	ROOM#	DOOR#	DESCRIPTION	SRB	CLOSET	REV DATE
SE321.1.01	00522	KD	SITE	2.8/C.4			EXT CAMERA NW BLDG VIEW SW			9/25/2017
SE321.1.01	00523	KD	SITE	4.7/C.4			EXT CAMERA NW BLDG VIEW NE			9/25/2017
SE321.1.01	00524	KD	SITE	5.2/C.8			EXT CAMERA N BLDG VIEW NW			9/25/2017
SE321.1.01	00525	KC	SITE	5.2/C.1			EXT CAMERA EAST BLDG VIEW NW			9/25/2017
SE321.1.01	00526	KD	SITE	3.7/B.0			EXT CAMERA S BLDG VIEW W			10/24/2017
SE321.2.01	00403	AP	1	G.5/7.1	109	109	SINGLE DOOR FOYER 113 TO MANAGERS' OFFICE 109			9/25/2017
SE321.2.01	00527	AS	1	F.0/7.6	103	103	SINGLE DOOR FROM EXT TO LOBBY 103			9/25/2017
SE321.2.01	00528	AP	1	G.2/7.5	105	105	SINGLE DOOR FROM LOBBY 103 TO SOCIAL SERVICE 105			9/25/2017
SE321.2.01	00529	KM	1	K.4/5.4	113		INT 360° CAMERA VIEW FOYER 113			9/25/2017
SE321.2.01	00530	GA	1	N.8/5.5	116	120	SINGLE DOOR FROM EXT TO STAIR #2 116			9/25/2017
SE321.2.01	00531	GA	1	G.9/3.0	105	105	SINGLE DOOR FROM EXT TO STAIR 1 105			9/25/2017
SE321.2.01	00532	HA	1	B.7/3.0	104	128	DOUBLE DOOR FROM EXT TO COMMUNITY SPACE 104			9/25/2017
SE321.2.01	00533	KA	1	G.9/4.5			CAMERA VIEW DOOR 105			9/25/2017
SE321.2.01	00534	AS	1	B.8/5.5	113	102	SINGLE DOOR FROM VESTIBULE 101 TO FOYER 113			9/25/2017
SE321.2.01	00535	KM	1	B.9/5.7	103/113		INT 360° CAMERA VIEW LOBBY 103 AND FOYER 113			9/25/2017



HID – R15 MULLION  
CARD READER

HID – R40 WALL SWITCH CARD READER



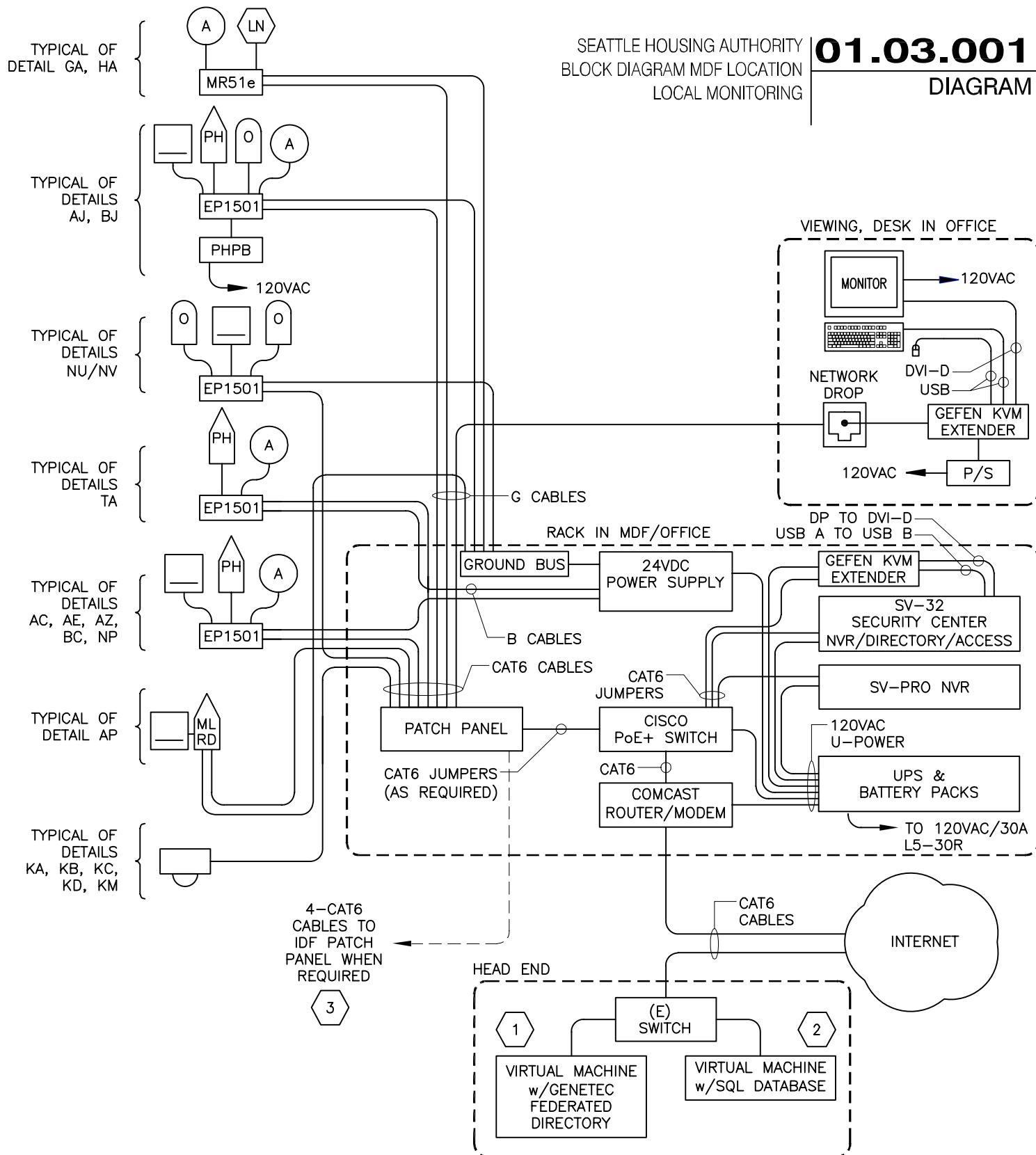
SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	AR	HID – MULTI-CLASS SE, R15, MULLION CARD READER, SIO & SEOS, OSDP, TERMINAL STRIP, BLACK	910PNPTEK2039H	A	1
		HID – MULTI-CLASS SE, R40, WALL SWITCH CARD READER, SIO & SEOS, OSDP, TERMINAL STRIP, BLACK	920PNPTEK2039H		

CODE INDEX

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|--|--------------------------|
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

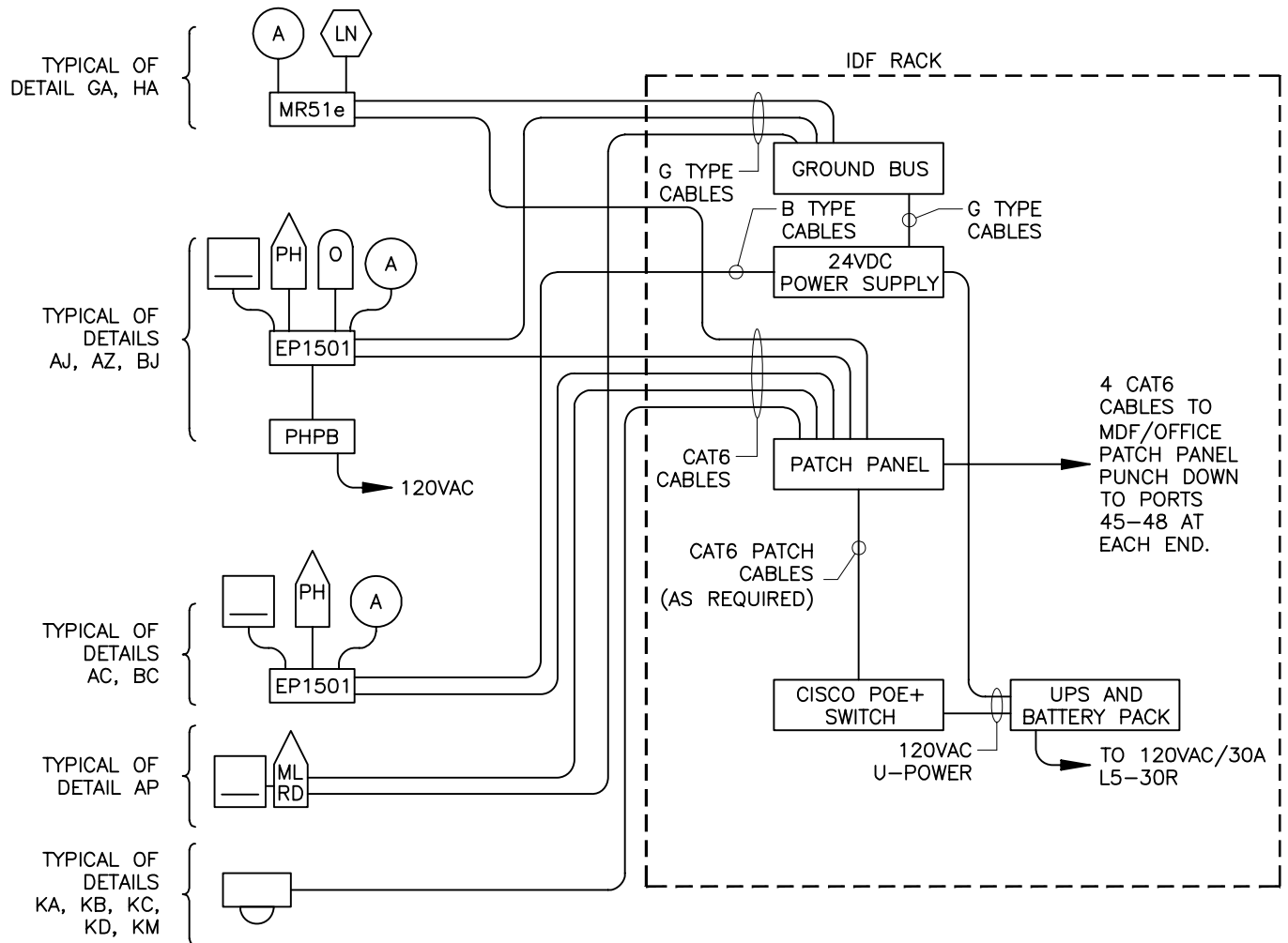
EQUIPMENT LIST NOTES

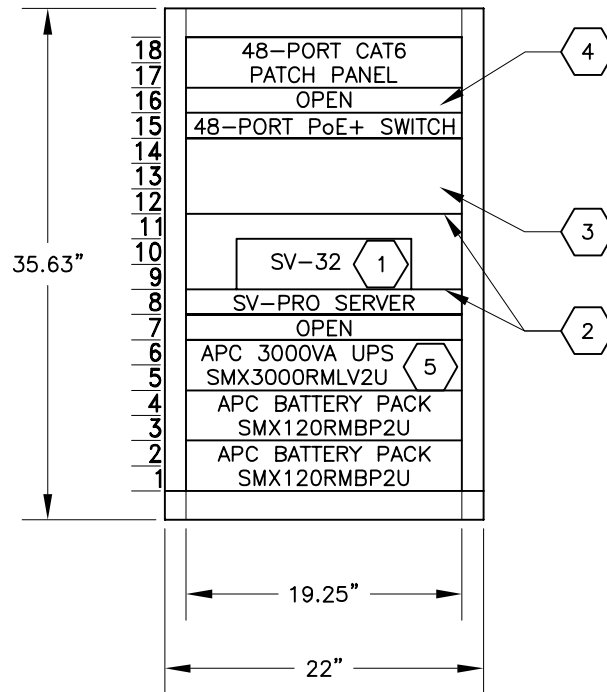
1. CHOOSE ONLY 1 TYPE/STYLE OF CARD READER BASED ON MOUNTING LOCATION REQUIREMENTS AT DOOR.



#### DIAGRAM NOTES

- 1 VIRTUAL MACHINE MINIMUM REQUIREMENTS FOR GENETEC FEDERATED DIRECTORY SERVER: WINDOWS 64-bit 2012 R2 OS, 4-CORE 2.2GHz PROCESSOR, 16GB MEMORY, 100GB DISK SPACE.
- 2 VIRTUAL MACHINE MINIMUM REQUIREMENTS FOR SQL: WINDOWS 64-bit 2012 R2 OS, 4-CORE 2.2GHz PROCESSOR, 16GB MEMORY, 2TB STORAGE FOR SQL LOGS, WITH SQL 2012 R2.
- 3 NOT ALL SITES REQUIRE AN IDF. REFER TO SECURITY PLANS TO DETERMINE IF SITE HAS AN IDF LOCATION (DETAIL 03.03.002).
4. ONLY USE DETAILS APPLIED IN DESIGN DEVELOPMENT PACKAGE.





#### NOTES

- 1 INSTALL SV-32 ON RACK SHELF.
- 2 3U RACKSHELVES. MOUNT 2 RACK SHELVES (FRONT AND REAR OF RACK) AT SV32, REAR RACK SHELF FOR KVM EXTENDER WHEN REQUIRED.
- 3 SPACE FOR INTERNET MODEM AND ANY OTHER MISCELLANEOUS DESKTOP EQUIPMENT.
- 4 24VDC POWER SUPPLY TO BE MOUNTED AT REAR OF RACK BEHIND PoE+ SWITCH.
- 5 UPS REQUIRES A DEDICATED 120VAC/30AMP CIRCUIT WITH A NEMA L5-30R RECEPTACLE.

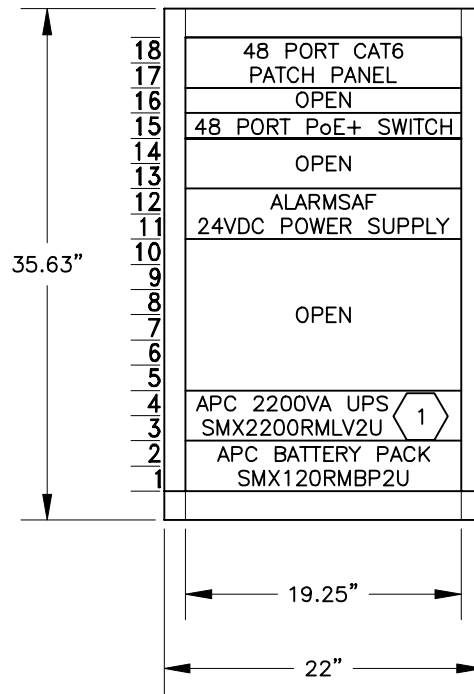
EQUIPMENT LIST					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	MIDDLE ATLANTIC – ERK SERIES RACK, 18 RU, 28"D	ERK-1828-LRD	B	
2	1	MIDDLE ATLANTIC – PLEXI FRONT DOOR, 18 RU RACKS	PFD-18	B	
3	1	MIDDLE ATLANTIC – CASTER BASE, 28"D, ERK SERIES	CBS-ERK-28R	B	
4	1	MIDDLE ATLANTIC – COPPER BUS BARS, 12 RU, 2"W	BB-12	B	
5	AR	MIDDLE ATLANTIC – RACKSCREWS, 10-32, TRUSS-HEAD, 100 pc.	HP	B	
6	3	MIDDLE ATLANTIC – UTILITY RACKSHELF, 3U, 17.75" DEEP	U317	B	
7	1	LEVITON – 48 PORT, CAT6, RECESSED PATCH PANEL	69586-R48	B	
8	AR	MIDDLE ATLANTIC – RACKRAILS	ERKRR-18	A	
9	1	CISCO – 2960X SERIES 48 PORT PoE+ SWITCH	WS-C2960X-48FPS-L	A	
10	1	CISCO – RECESSED RACK MOUNT KIT	HRCKMNT-REC-2KX=	A	
11	1	APC – 3000VA RACKMOUNT SMART-UPS X, LCD, 100-127V	SMX3000RMLV2U	B	
12	2	APC – RACK MOUNT BATTERY PACK	SMX120RMBP2U	B	
13	1	GENETEC – SV32 NETWORK SECURITY APPLIANCE, w/4TB STORAGE	SV32v2-4TB-GSC-Unified	A	
14	1	HP – 24" LCD MONITOR 1920X1080 RESOLUTION	24UH	C	2
15	1	MICROSOFT – STANDARD KEYBOARD AND MOUSE COMBO, USB	2LF-00001	C	2
16	1	STARTECH – DISPLAYPORT TO DVI-D CABLE, M/M, 6'	DP2DVIMM6	B	2
17	AR	STARTECH – DVI-D DUAL LINK CABLE, M/M, 6'	DVIDDM6	B	2
18	AR	STARTECH – USB 2.0 A TO B CABLE, M/M, 6'	USB2HAB6	B	2
19	AR	GEFEN – DVI KVM EXTENDER OVER IP	EXT-DVIKVM-LAN	B	2
20	1	GENETEC – SV PRO SERIES SERVER, RACKMOUNT, w/8TB STORAGE	SVPROv4-8TB	A	
21	1	GENETEC – SECURITY CENTER BASE PACKAGE, VERSION 5.5	GSC-BASE-5.5	A	
22	AR	GENETEC – SECURITY DESK CLIENT CONNECTION	GSC-1U	A	
23	1	GENETEC – OMNICAST ENTERPRISE PACKAGE	GSC-0m-E	A	
24	1	GENETEC – SECURITY CENTER SYNERGIS PROFESSIONAL PACKAGE	GSC-Sy-P	A	
25	1	GENETEC – FEDERATED SECURITY CENTER DIRECTORY CONNECTION • 20 ENTITIES OR LESS (CAMERAS, READERS, OR SHARP) • 21 ENTITIES OR MORE (CAMERAS, READERS, OR SHARP)	GSC-1SCFED-20 GSC-1SCFED	A	3
26	1	GENETEC – SYNERGIS PROFESSIONAL PACKAGE SOFTWARE	GSC-Sy-P	A	
27	1	GENETEC – SYNERGIS GLOBAL CARD HOLDER MANAGEMENT CONNECTION	GSC-Sy-E-1GCHM	A	
28	1	ALARMSAF – 24VDC/4A RACK MOUNT POWER SUPPLY, UL, 8 PTC OUTPUTS, INDIVIDUALITY SELECTABLE FAI	RMDC-PS5-M-8-UL-FAI	B	1
29	AR	CAT6 – JUMPER CABLE, LENGTH AS REQUIRED	-	C	

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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

**NOTES**

- MOUNT POWER SUPPLY AT RACK REAR BEHIND PoE+ SWITCH.
- VERIFY LOCATION FOR MONITOR, KEYBOARD, AND MOUSE WITH OWNER. IF MONITOR, KEYBOARD, AND MOUSE ARE TO BE LOCATED ON THE RACK OR A DESK NEXT TO THE RACK, CONNECT MONITOR (WITH DISPLAYPORT TO DVI-D CABLE), KEYBOARD, AND MOUSE TO THE SV32 DIRECTLY.  
WHEN THE LOCATION IS GREATER THAN 6' FROM THE SV32, PROVIDE THE GEFEN EXTENDER AND:
  - USB A TO B CABLE (TO CONNECT SV32 TO GEFEN EXTENDER IN RACK)
  - DVI-D TO DVI-D CABLE (TO CONNECT REMOTE GEFEN EXTENDER TO MONITOR)
  - CAT6 JUMPER CABLE (TO CONNECT GEFEN EXTENDER IN RACK TO SWITCH)
  - CAT6 JUMPER CABLE (TO CONNECT SWITCH TO PATCH PANEL PORT)
  - CAT6 CABLE FROM BACK OF PATCH PANEL TO NETWORK DROP LOCATION WHERE KEYBOARD VIDEO AND MOUSE WILL BE LOCATED.
  - CAT6 JUMPER CABLE (FROM GEFEN EXTENDER IN REMOTE LOCATION TO NETWORK DROP DEFINED ABOVE)
- CHOOSE ONLY 1 DIRECTORY CONNECTION BASED ON THE TOTAL NUMBER OF CAMERAS AND READERS AT SITE



NOTES



UPS REQUIRES A DEDICATED 120VAC/30AMP CIRCUIT WITH A NEMA L5-30R RECEPTACLE.

EQUIPMENT LIST					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	MIDDLE ATLANTIC – ERK SERIES RACK, 18 RU, 28"D	ERK-1828	B	
2	1	MIDDLE ATLANTIC – PLEXI FRONT DOOR, 18 RU RACKS	PFD-18	B	
3	1	MIDDLE ATLANTIC – CASTER BASE, 28"D, ERK SERIES	CBS-ERK-28R	B	
4	1	MIDDLE ATLANTIC – COPPER BUS BARS, 12 RU, 2"W	BB-12	B	
5	AR	MIDDLE ATLANTIC – RACKSCREWS, 10-32, TRUSS-HEAD, 100 pc.	HP	B	
6	1	MIDDLE ATLANTIC – UTILITY RACKSHELF, 3U, 17.75" DEEP	U317	B	
7	1	LEVITON – 48 PORT, CAT6, RECESSED PATCH PANEL	69586-R48	B	
8	1	CISCO – 2960X SERIES 48 PORT PoE+ SWITCH	2960X-48FPS-L	B	
9	1	CISCO – RECESSED RACK MOUNT KIT	HRCKMNT-REC-2KX=	B	
10	1	APC – 2200VA RACKMOUNT SMARTUPS	SMX2200RMLV2U	B	
11	1	APC – RACK MOUNT BATTERY PACK	SMX120RMBP2U	B	
12	1	ALARMSAF – 24VDC/4A RACK MOUNT POWER SUPPLY, UL, 8 PTC OUTPUTS, INDIVIDUALLY SELECTABLE FAI	RMDC-PS5-M-8-UL-FAI	B	
13	AR	CAT6 – JUMPER CABLE, LENGTH AS REQUIRED	–	C	

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|--|--------------------------|
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| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

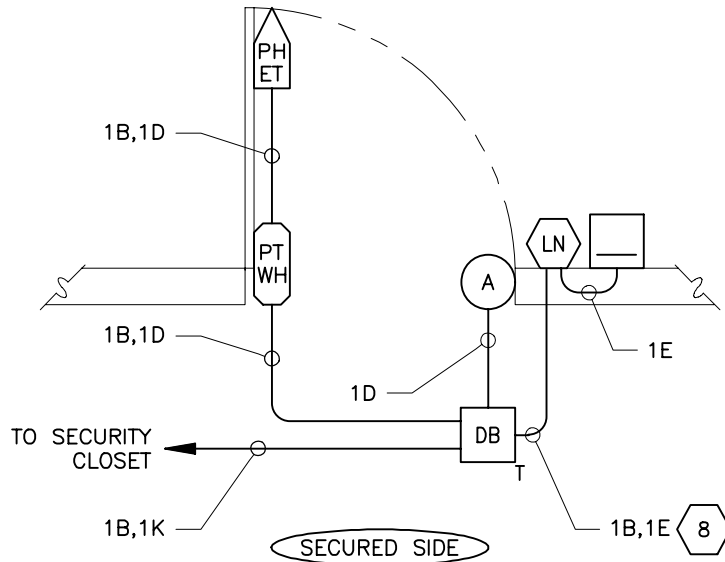


SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-1

### DIAGRAM

SYMBOLS LIST	
	ALARM CONTACT
	CARD READER
	JUNCTION BOX w/ DOOR BOARD, TAMPER
	LOCAL NOISE (OPTIONAL)
	POWER TRANSFER WIRED HINGE
	RIM PANIC w/REX SWITCH & ELECTRIC TRIM



#### OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY PANIC BAR FROM THE SECURED SIDE. THE PANIC BAR REX SWITCH WILL SHUNT THE ALARM BUT WILL NOT UNLOCK THE LOCK. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.

#### DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.
6. PROVIDE THE VON DUPRIN AX RX 99L-NL-F x E996L 24VDC FSE FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.
7. ORDER WITHOUT DOGGING FEATURE.

LOCAL NOISE SOUNDER IS OPTIONAL. REFER TO FLOOR PLANS TO DETERMINE IF SOUNDER IS REQUIRED AT SPECIFIC DOOR. IF NO SOUNDER IS REQUIRED; ONLY (1) E CABLE IS REQUIRED.





SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-2

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	VON DUPRIN – RIM PANIC w/REX SWITCH & ELECTRIC TRIM, 24VDC	AX RD LD 99L–NL x E996L 24VDC FSE	D	1,2,4,5,6
2	1	McKINNEY – ELECTRIC HINGE, 8 WIRE	TA2714CC8	D	1,2,4
3	1	INTERLOGIX – ALARM CONTACT	1078	B	3,4

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	HID – SEE DETAIL 00.80.001 FOR CARD READER	–	A	
2	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD	SY–EP1501	A	
3	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	8
4	AR	SYSTEM SENSOR – UL MINI SOUNDER, WHITE	MHW	B	9
5	AR	PHOENIX – TERMINALS	UK–5	B	7
6	AR	PHOENIX – END CLAMP	E/NS 35 N	B	7
7	AR	PHOENIX – END COVER	D–UK 4/10	B	
8	AR	ESD – END OF LINE RESISTOR PACK	EOL–1K	B	
9	AR	DIODE	1N4934	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	1	REX	1	CAM		KPD		OUTPUT LOADING	LOCK	1	MON		KPD			
	DSM	1	AUX		P/I		A/M			AUX	AR	P/I		A/M			

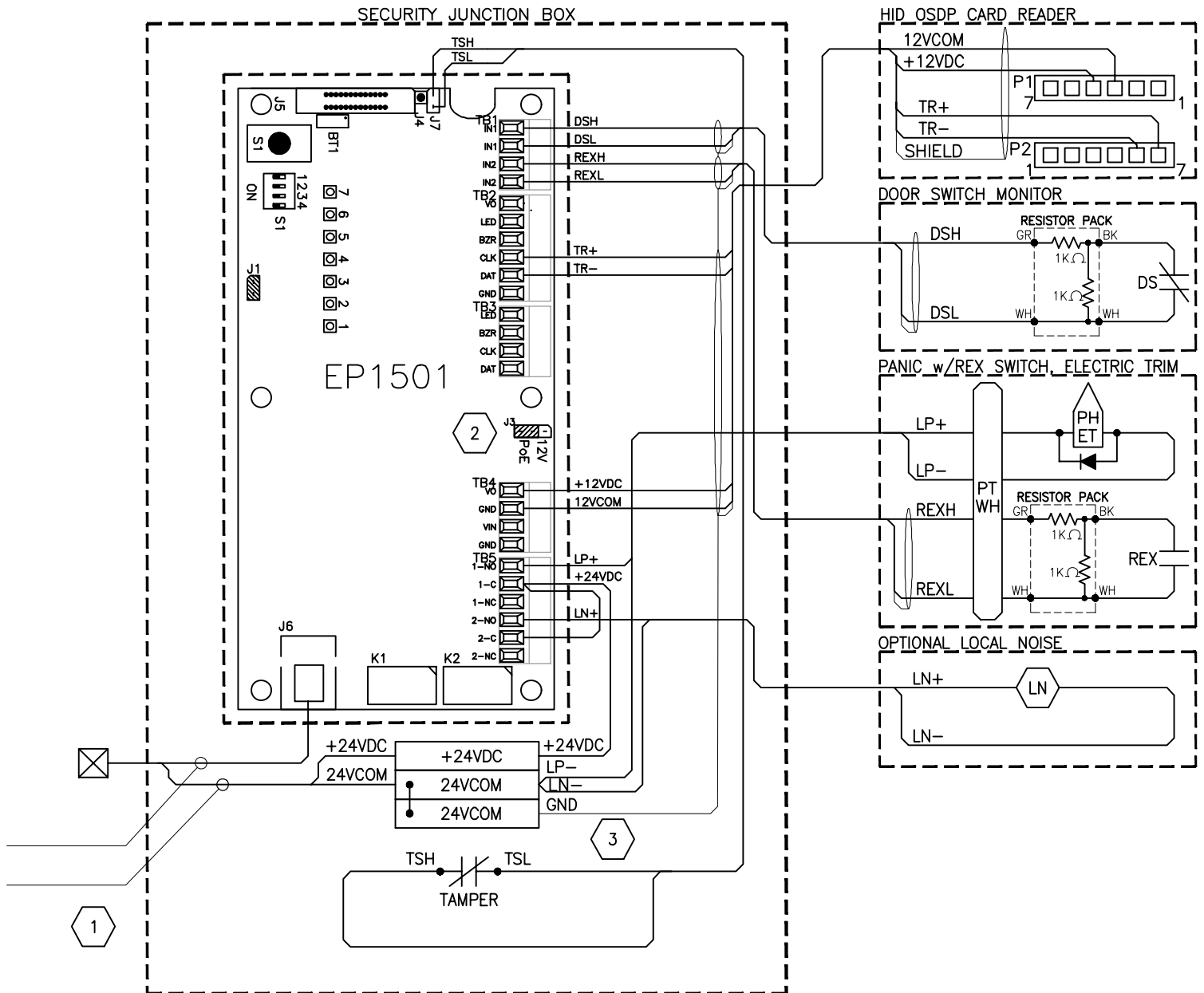
EQUIPMENT LIST NOTES																	
<ol style="list-style-type: none"> <li>IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.</li> <li>HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.</li> <li>DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>PROVIDE THE VON DUPRIN AX RX LD 99L–NL x E996L 24VDC FSE FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.</li> <li>ORDER WITHOUT DOGGING FEATURE.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> <li>KEY ALIKE ALL JUNCTION BOXES.</li> <li>LOCAL NOISE SOUNDER IS OPTIONAL. REFER TO FLOOR PLANS TO DETERMINE IF SOUNDER IS REQUIRED AT A SPECIFIC DOOR.</li> </ol>																	



SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-3 POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



### POINT-TO-POINT NOTES

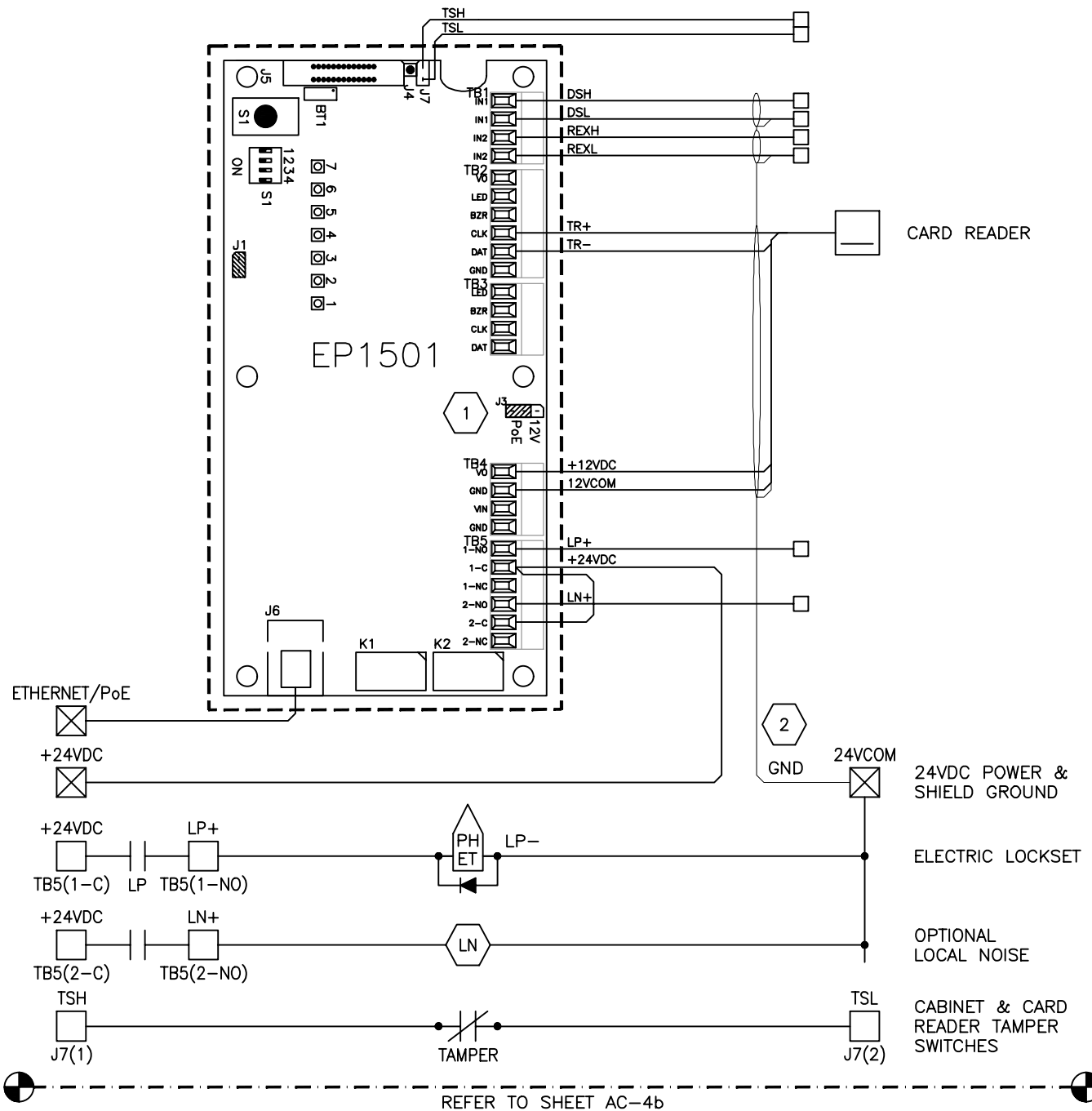
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.
- 2 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 3 TWIST DRAIN WIRES TOGETHER AND CONNECT TO 24VCOM TERMINAL, COMMON GROUND.



SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-4a

### LADDER

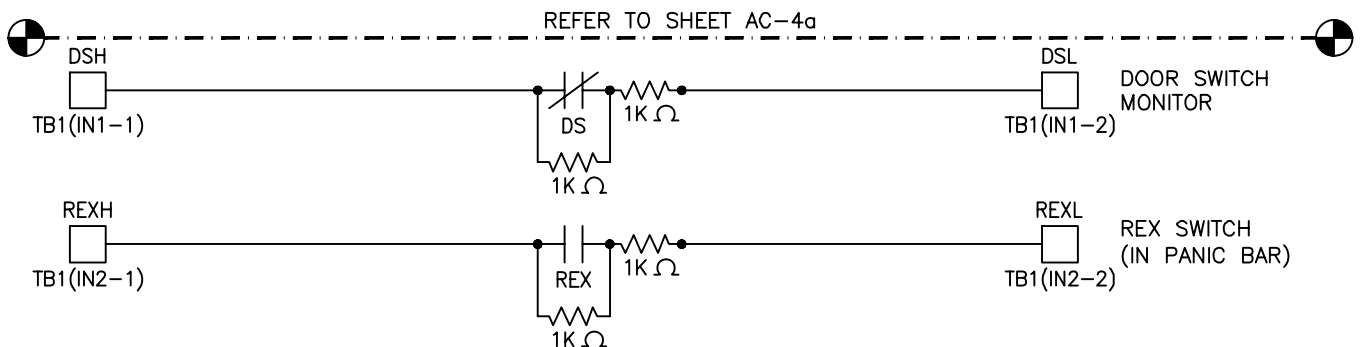




SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-4b

### LADDER



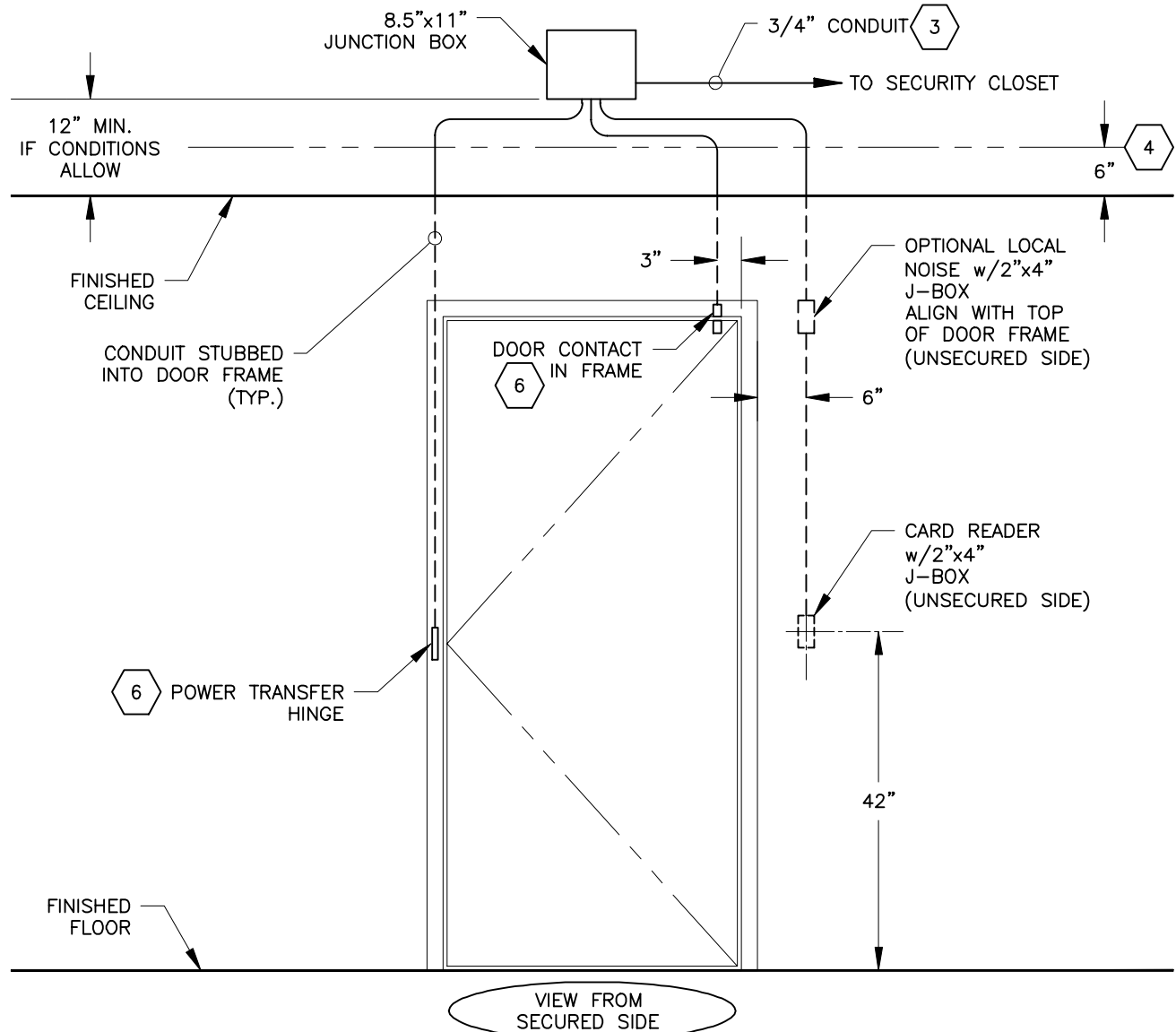
#### LADDER NOTES

- 1 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 2 TWIST DRAIN WIRES TOGETHER AND CONNECT TO 24VCOM TERMINAL, COMMON GROUND.



SINGLE DOOR, CARD IN/FREE EXIT  
RIM PANIC w/ REX SWITCH &  
ELECTRIFIED TRIM  
FAIL SECURE

## DETAIL AC-5 ELEVATION



### ELEVATION NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.

3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.

4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.

6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.

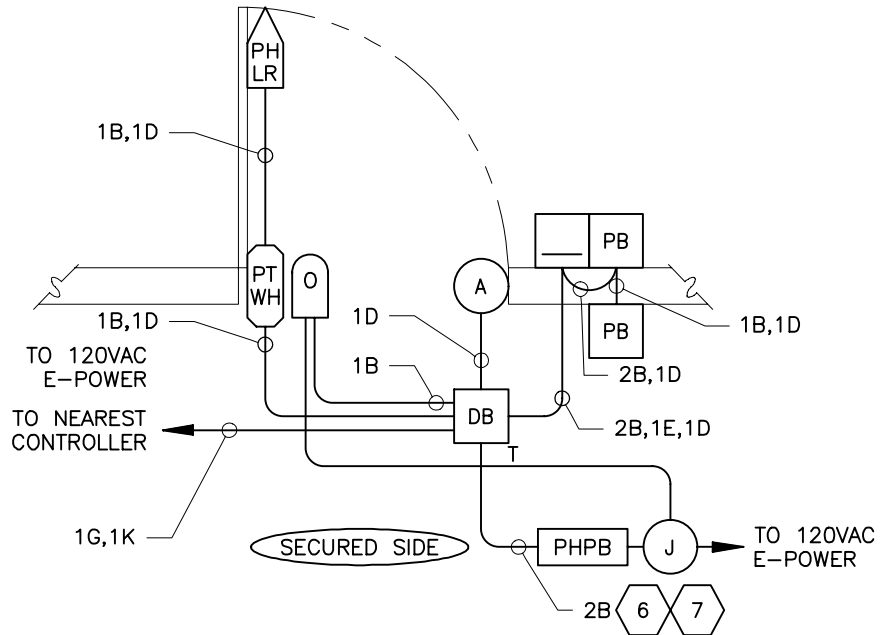


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

# DETAIL AJ-1

## DIAGRAM

SYMBOLS LIST	
	ADA PUSHBUTTON
	ALARM CONTACT
	CARD READER
	DOOR OPERATOR
	ELECTRIC RIM PANIC w/LATCH RETRACTION, REX
	JUNCTION BOX w/COVER
	JUNCTION BOX w/DOOR BOARD, TAMPER
	PANIC HARDWARE POWER BOOSTER
	POWER TRANSFER WIRED HINGE



### OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE, AND BY PANIC BAR OR ADA PUSHBUTTON FROM THE SECURED SIDE. ON VALID CARD READ, THE UNSECURED SIDE ADA PUSHBUTTON WILL UNLOCK THE LOCK AND ACTUATE THE OPERATOR. THE SECURED SIDE PANIC BAR "REQUEST TO EXIT" SWITCH WILL SHUNT AN ALARM AND UNLOCK THE LOCK, THE SECURED SIDE ADA PUSHBUTTON WILL SHUNT AN ALARM, UNLOCK THE LOCK AND ACTUATE THE OPERATOR. IF THE DOOR IS HELD OPEN LONGER THAN A PRE-DETERMINED AMOUNT OF TIME, AN ALARM WILL BE GENERATED. IF THE DOOR IS FORCED FROM THE UNSECURED SIDE, AN ALARM WILL BE GENERATED. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.



WHEN USED ON A FIRE RATED DOOR, APPLY NOTE 7 BELOW.

### DIAGRAM NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
3. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
4. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.



IF CABLE LENGTH TO PANIC HARDWARE POWER BOOSTER IS GREATER THAN 200', USE THE FOLLOWING GAUGE CABLES INSTEAD OF THE STANDARD 18AWG OF THE "B" TYPE CABLE:

- 201' TO 320', USE 1 PAIR 16 AWG
- 321' TO 500', USE 1 PAIR 14 AWG
- 501' TO 800', USE 1 PAIR 12 AWG



IF THE DOOR IS FIRE RATED, A FIRE ALARM BOARD IS REQUIRED TO BE INSTALLED IN THE PANIC HARDWARE POWER BOOSTER (PHPB) TO LATCH THE LOCK. PROVIDE A PAIR OF WIRES AND ANY REQUIRED CONDUIT TO A FIRE ALARM RELAY.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-2

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	VON DUPRIN – ELECTRIC RIM PANIC w/QUIET LATCH RETRACTION & REX SWITCH, NIGHT LATCH, OPTIONAL PULL	RX-QEL99-NL-OP	D	1,2,4,5
2	1	McKINNEY – 8 WIRE TRANSFER HINGE	TA2714CC8	D	1,2,4
3	1	SCHLAGE – PANIC HARDWARE POWER BOOSTER	PS902	D	1,2,6
4	1	VON DUPRIN – 2 RELAY QEL/EL PANIC DEVICE CONTROL BOARD	900-2RS	D	1,2
5	AR	VON DUPRIN – EMERGENCY INTERFACE/FIRE ALARM RELAY	900-FA	D	1,2,8
6	AR	SCHLAGE – BATTERY BACKUP KIT w/2 12VDC BATTERIES AND CHARGING BOARD w/BATTERY CABLES	900-BBK	D	1,2,9
7	1	VON DUPRIN – KEYLOCK KIT	900-KL	D	1,2
8	1	DOOR OPERATOR	–	D	1,2
9	2	SDC – ADA PUSHBUTTON DOOR ACTUATOR, FULL LENGTH	SDC484AA36	D	1,2
10	1	INTERLOGIX – ALARM CONTACT	1078	B	3,4

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	HID – SEE DETAIL 00.80.001 FOR CARD READER	–		
2	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD	SY-EP1501	A	
3	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	6
4	AR	PHOENIX – TERMINALS	UK-5	B	7
5	AR	PHOENIX – END CLAMP	E/NS 35 N	B	7
6	AR	PHOENIX – END COVER	D-UK 4/10	B	
7	AR	PHOENIX – JUMPER, QTY TBD IN FIELD	LB x-x	B	
8	AR	PHOENIX – DIN RAIL, PERFORATED, 78.74" [2000mm]	NS 35/7,5-PERF 2000	B	7
9	2	IDEC – DPDT RELAY w/INDICATOR LIGHT, DIODE, 12VDC	RH2B-ULD-DC12V	B	7
10	2	IDEC – DIN RAIL RELAY SOCKET, DPDT	SH2B-05	B	7
11	2	IDEC – PULL OVER WIRE SPRING, DPDT	SY4S-02F1	B	
12	AR	ESD – END OF LINE RESISTOR PACK	EOL-1K	B	
13	AR	DIODE	1N4934	C	
14	1	4" SQ. J-BOX w/COVER	–	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT	CR	1	REX	1	CAM		KPD		OUTPUT	LOCK	1	MON		KPD			
LOADING	DSM	1	AUX		P/I		A/M		LOADING	AUX		P/I		A/M			

EQUIPMENT LIST NOTES	
<ol style="list-style-type: none"> <li>IF USING OTHER MANUFACTURER FOR LOCKING HARDWARE, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.</li> <li>HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.</li> <li>DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>PROVIDE THE VON DUPRIN RX-QEL99-F-NL-OP FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.</li> <li>KEY ALIKE ALL JUNCTION BOXES.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> <li>FOR USE ON FIRE RATED DOORS ONLY. PROVIDE 1 900-FA FIRE ALARM INPUT BOARD PER OPTION BOARD FOR LOCK LATCHING ON FIRE ALARM.</li> <li>BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND BY POWER IS NOT AVAILABLE.</li> </ol>	

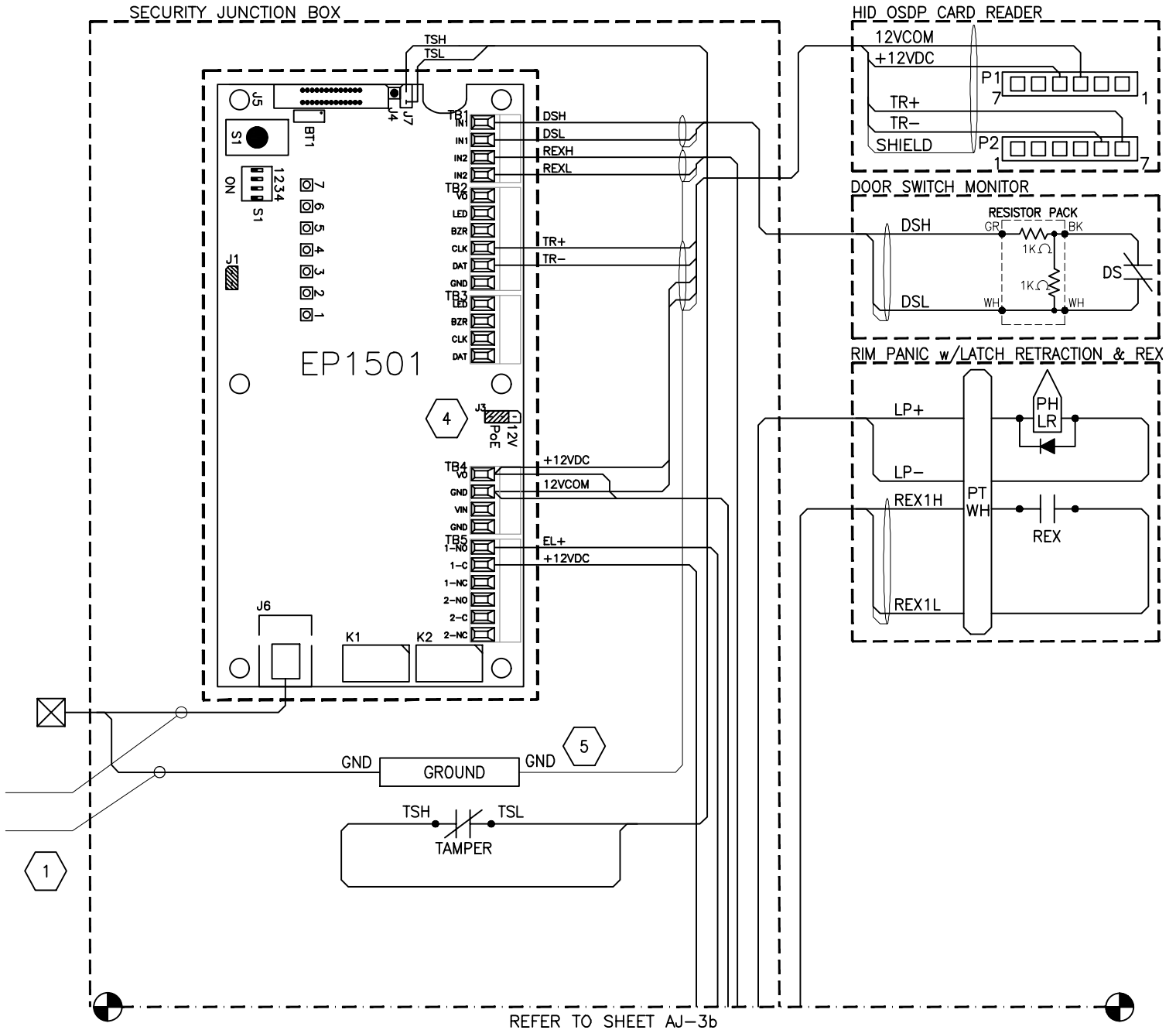


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-3a

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:





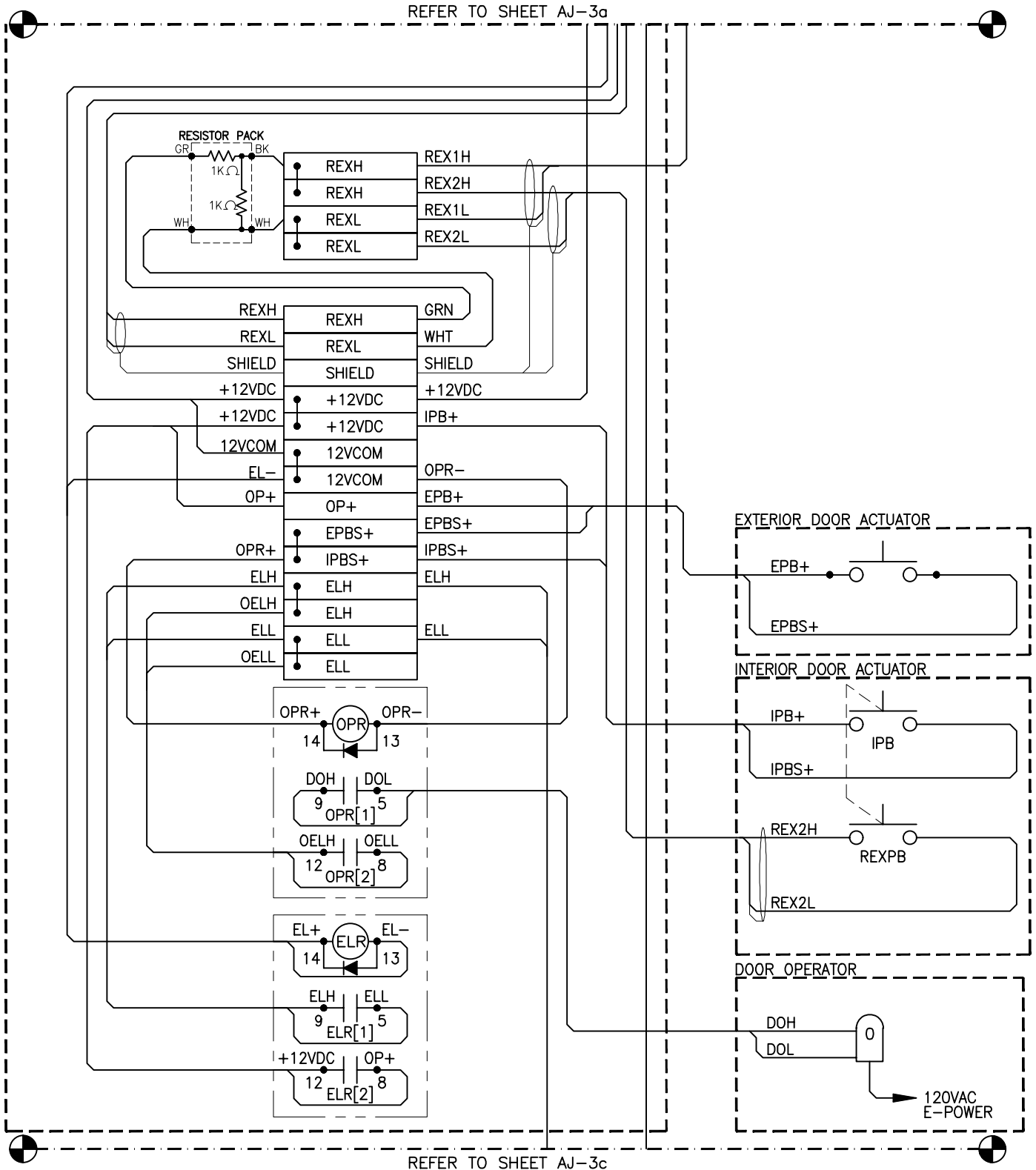


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-3b

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



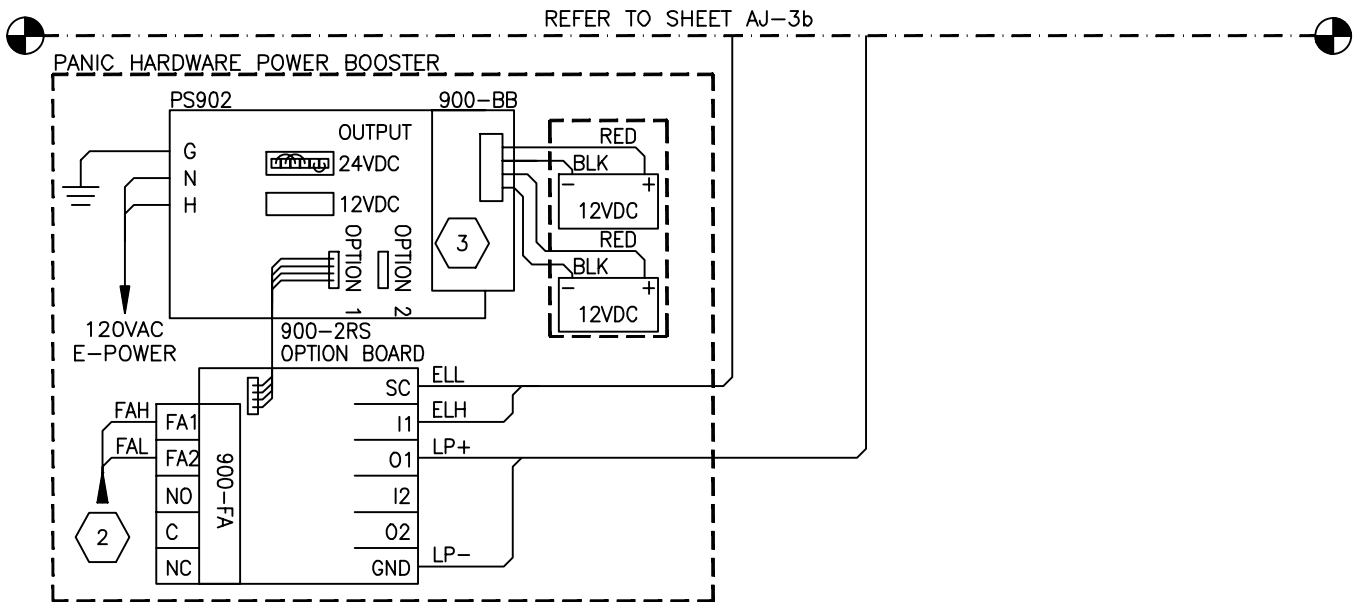


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-3c

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



#### POINT-TO-POINT NOTES

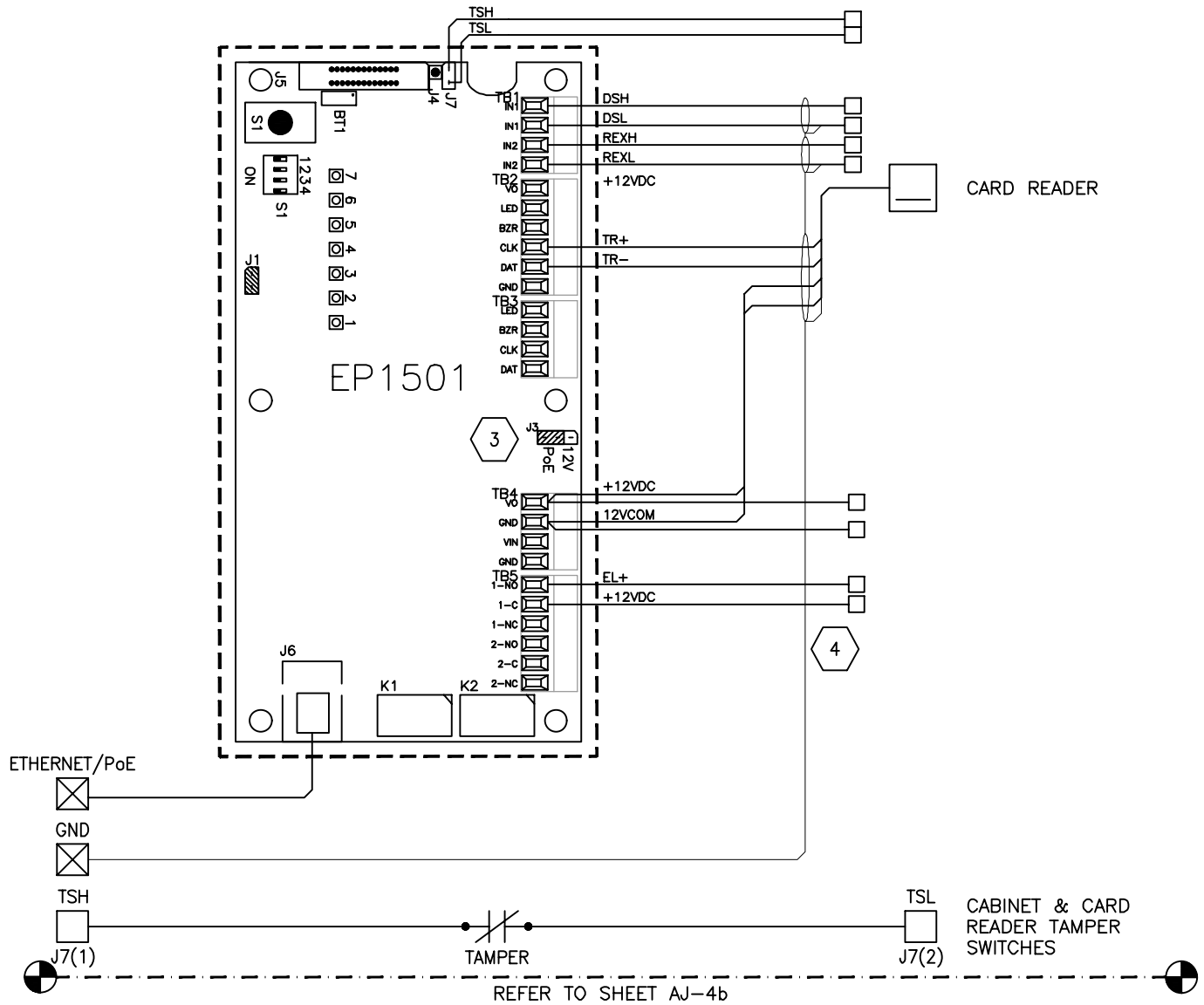
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.
- 2 OPTIONAL FROM FIRE ALARM RELAY. ONLY REQUIRED FOR RELATCHING A FIRE RATED DOOR UPON FIRE ALARM.
- 3 BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND BY POWER IS NOT AVAILABLE.
- 4 SET JUMPER TO PoE FOR POWER INPUT.
- 5 TWIST DRAIN WIRE TOGETHER AND CONNECT TO GROUND WIRE TERMINAL.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-4a

### LADDER

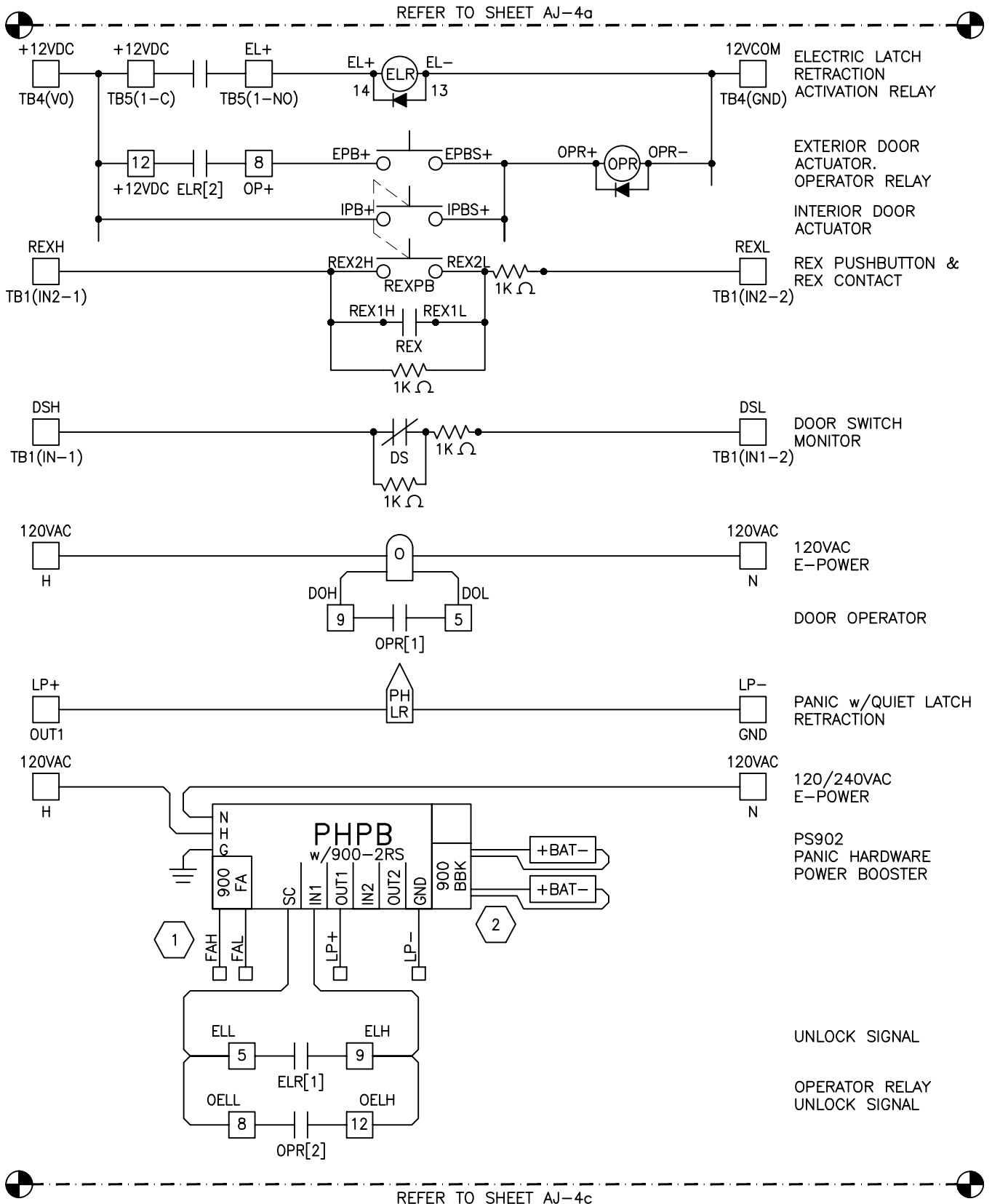




SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-4b

### LADDER





SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-4c

### LADDER

REFER TO SHEET AJ-4b

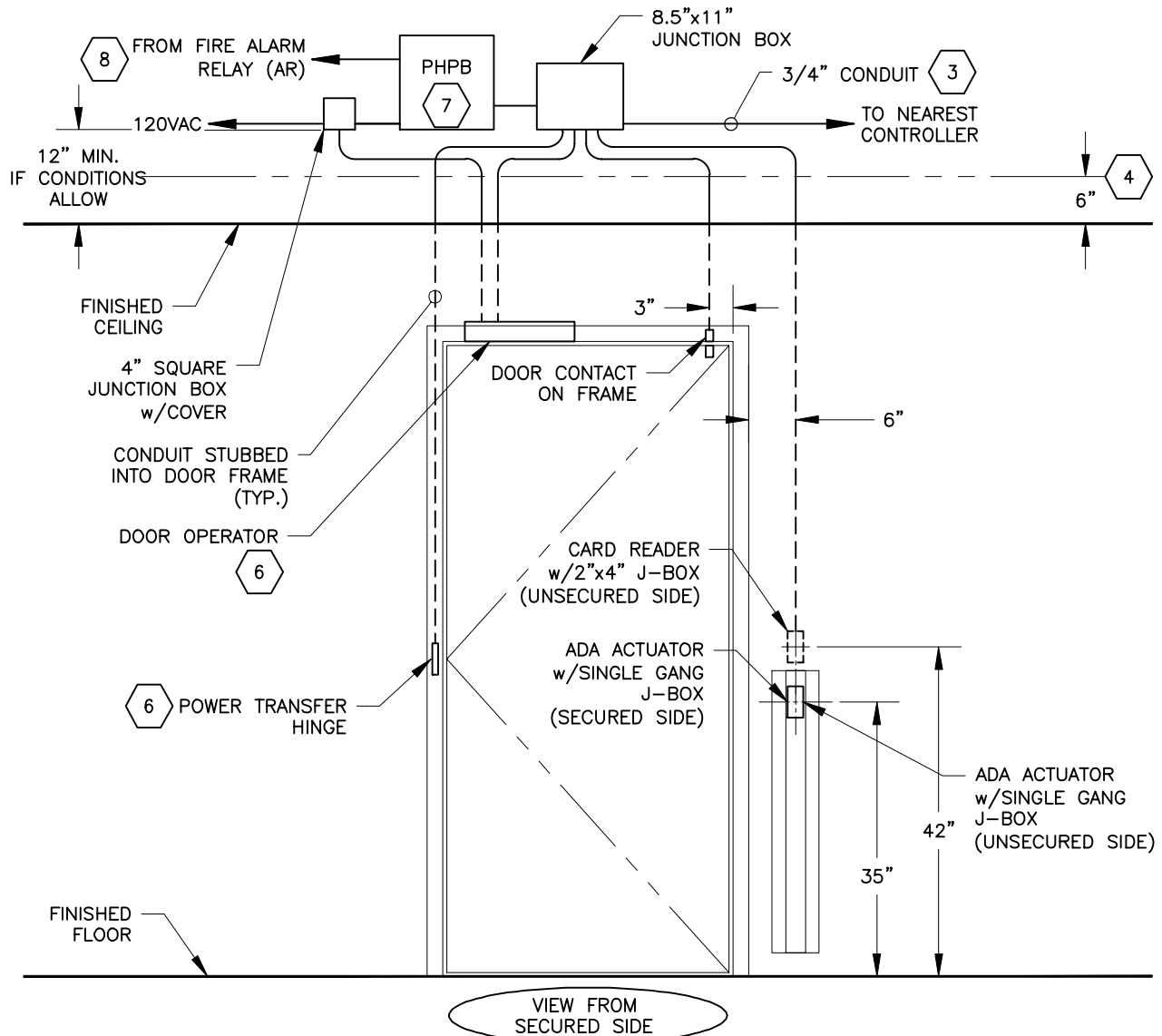
#### LADDER NOTES

- 1 OPTIONAL FROM FIRE ALARM RELAY. ONLY REQUIRED FOR RELATCHING A FIRE RATED DOOR UPON FIRE ALARM.
- 2 BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND BY POWER IS NOT AVAILABLE.
- 3 SET JUMPER TO PoE FOR POWER INPUT.
- 4 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND WIRE TERMINAL.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANIC w/QUIET LATCH RETRACTION  
& REX SWITCH, ADA ACTUATORS, OPERATOR  
FAIL SECURE

## DETAIL AJ-5 ELEVATION



### ELEVATION NOTES




1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.
- 3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.
- 4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.
5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.
- 6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.
- 7 LOCATE JUNCTION BOX WITHIN 10' OF DOOR. DO NOT LOCATE DIRECTLY ABOVE DOOR.
- 8 IF THE DOOR IS FIRE RATED, A FIRE ALARM BOARD IS REQUIRED TO BE INSTALLED IN THE PANIC HARDWARE POWER BOOSTER (PHPB) TO LATCH THE LOCK. PROVIDE A PAIR OF WIRES AND ANY REQUIRED CONDUIT TO A FIRE ALARM RELAY.

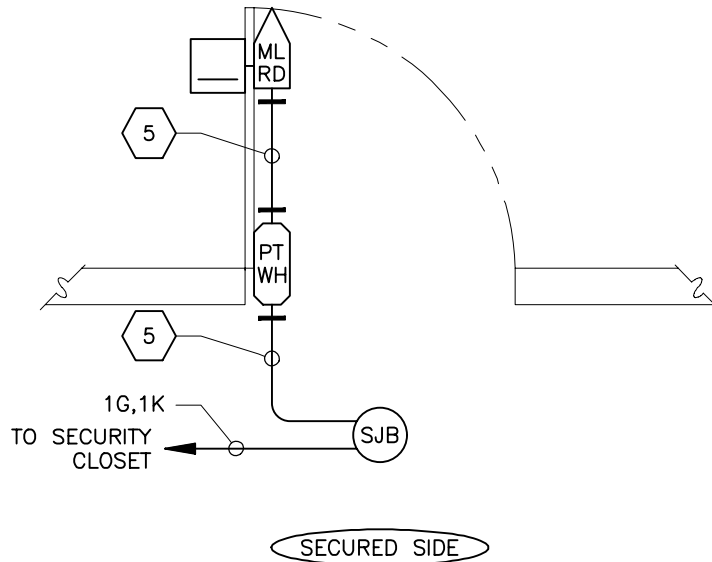


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC MORTISE PoE LOCKSET w/CARD READER  
REX SWITCH & DOOR SWITCH MONITOR  
FAIL SECURE

## DETAIL AP-1

### DIAGRAM

SYMBOLS LIST	
—	CONNECTOR
	MORTISE LOCK w/CARD READER, REX SWITCH & DSM, PoE
	POWER TRANSFER WIRED HINGE, PoE
	SECURITY JUNCTION BOX w/COVER




#### OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY LEVER FROM THE SECURED SIDE. THE REQUEST-TO-EXIT MICROSWITCH, OPERATED BY THE SECURED SIDE HANDLE, WILL SHUNT THE ALARM BUT WILL NOT UNLOCK THE LOCK. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.

#### DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.

 CABLES SUPPLIED WITH LOCKSET AND HINGE. DO NOT CUT OFF MOLEX OR PINS.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC MORTISE PoE LOCKSET w/CARD READER  
REX SWITCH & DOOR SWITCH MONITOR  
FAIL SECURE

## DETAIL AP-2

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	SARGENT – IP/PoE LOCKSET w/HID MULTI-CLASS CARD READER, REX SWITCH, & DSM, FAIL SECURE, CYLINDER OVERRIDE	IN220-8278-IP-B	D	1,3,5
2	1	McKINNEY – ELECTRIC HINGE, PoE/MOLEX CONNECTOR	TA271426DPoE	D	1,3
3	1	McKINNEY – ELECTROLYNX CABLE, LOCK TO HINGE, PoE, MOLEX ONE END, PINNED ONE END, PoE-C300RJ/PRJ/36", PoE-C306RJ/PRJ/42", PoE-C400RJ/PRJ/48", PoE-C406RJ/PRJ/54"	PoE-C300RJ/PRJ PoE-C306RJ/PRJ PoE-C400RJ/PRJ PoE-C406RJ/PRJ	D	1,2,3
4	1	McKINNEY – ELECTROLYNX CABLE, HINGE TO J-BOX, PoE, MOLEX ONE END, PINNED ONE END, QC-C1500P/15'-2"	PoE-C1500P	D	1,3

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	AR	PHOENIX – TERMINAL BLOCKS	UK5	B	4
2	AR	PHOENIX – END CLAMP	E/NS 35 N	B	4
3	AR	PHOENIX – END COVER	D-UK 4/10	B	
4	AR	PHOENIX – DIN RAIL, PERFORATED, 78.74" [2000MM]	NS 35/7,5-PERF 2000	B	4
5	1	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K	B	
6	1	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	
7	AR	CAT-6 SNAGLESS CONNECTERS	–	B	
8	1	4"x4"x2" J-BOX w/COVER	–	C	5

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	1	REX	1	CAM		KPD		OUTPUT LOADING	LOCK	1	MON		KPD			
	DSM	1	AUX		P/I		A/M			AUX		P/I		A/M			

EQUIPMENT LIST NOTES																	
<ol style="list-style-type: none"> <li>IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.</li> <li>HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> <li>JUNCTION BOX TO BE MOUNTED ON SECURED SIDE OF DOOR.</li> </ol>																	



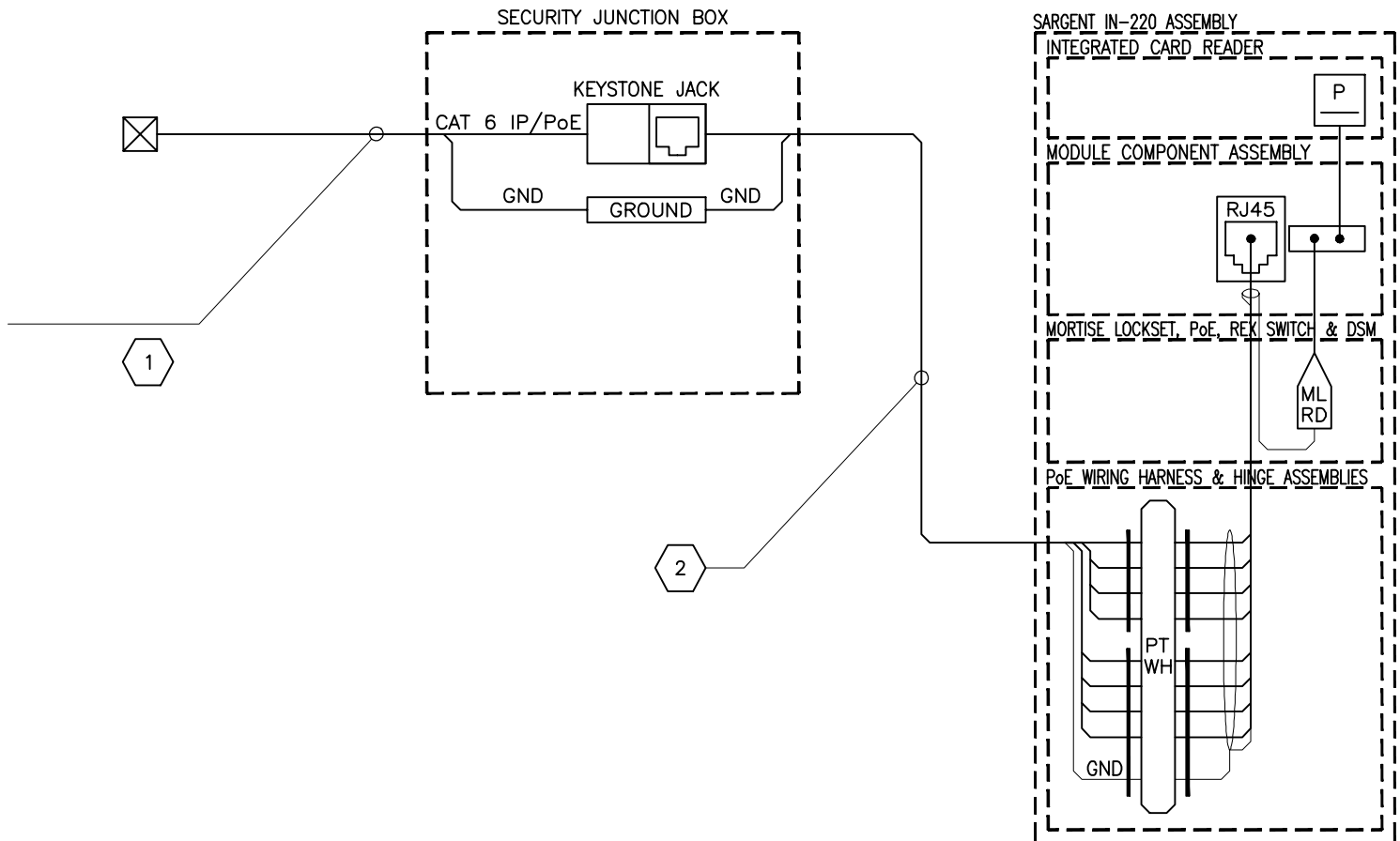


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC MORTISE PoE LOCKSET w/CARD READER  
REX SWITCH & DOOR SWITCH MONITOR  
FAIL SECURE

## DETAIL AP-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



#### POINT-TO-POINT NOTES

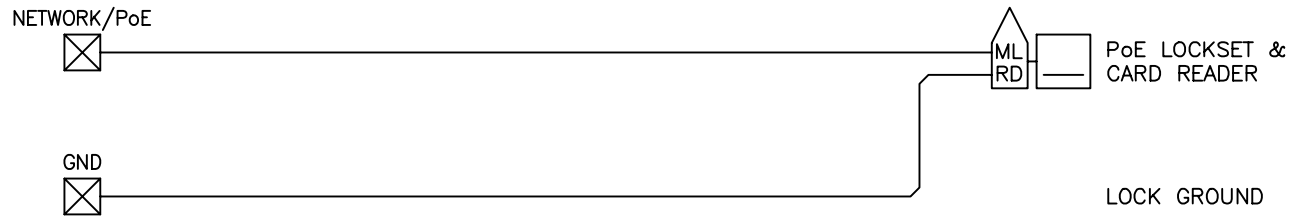
- 1** TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.
- 2** 15' PoE ELECTROLYNX CABLE WITH GROUND WIRE.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC MORTISE PoE LOCKSET w/CARD READER  
REX SWITCH & DOOR SWITCH MONITOR  
FAIL SECURE

## DETAIL AP-4

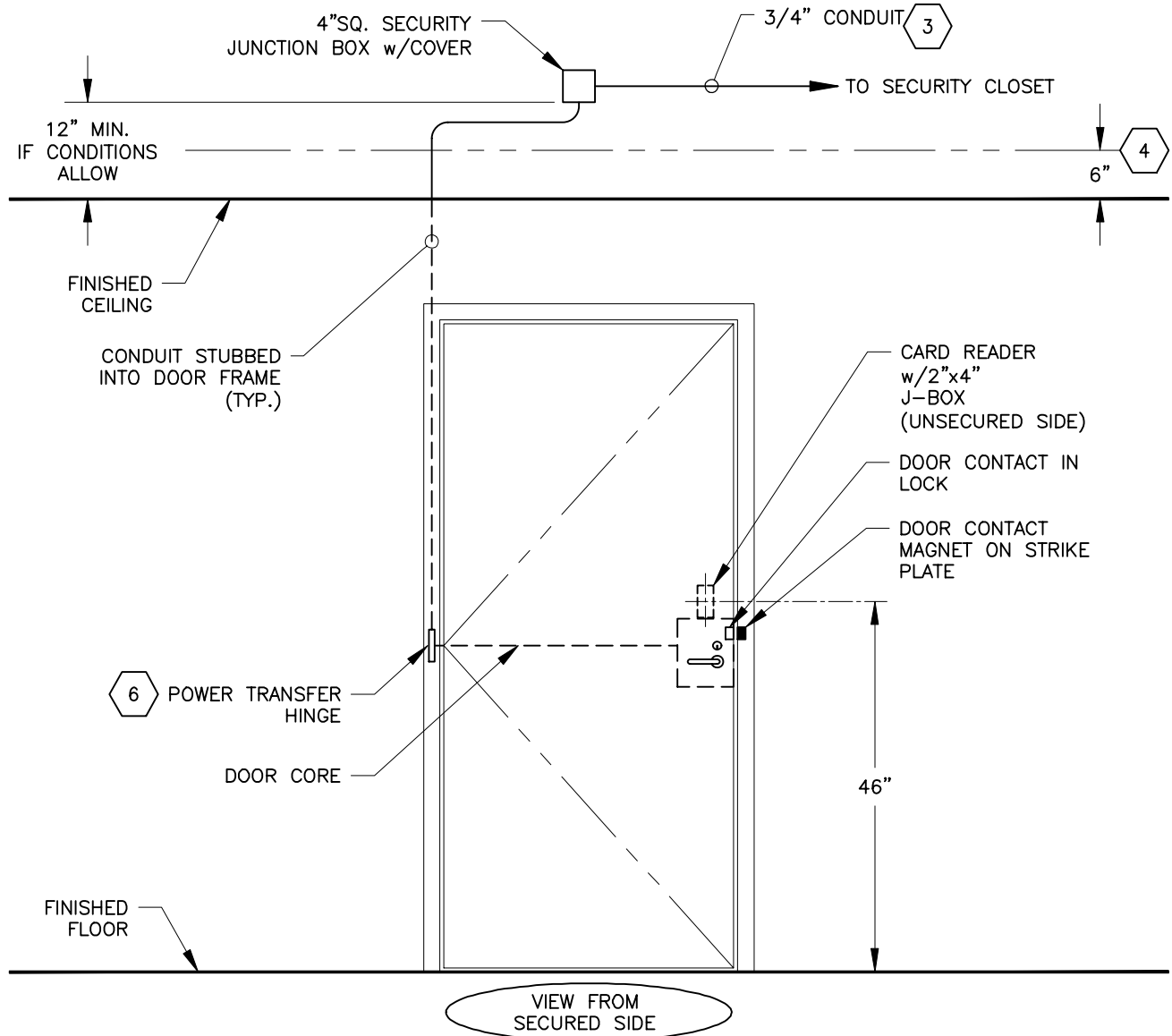
### LADDER





SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC MORTISE PoE LOCKSET w/CARD READER  
REX SWITCH & DOOR SWITCH MONITOR  
FAIL SECURE

## DETAIL AP-5 ELEVATION



### ELEVATION NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.



IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.



IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.



FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.

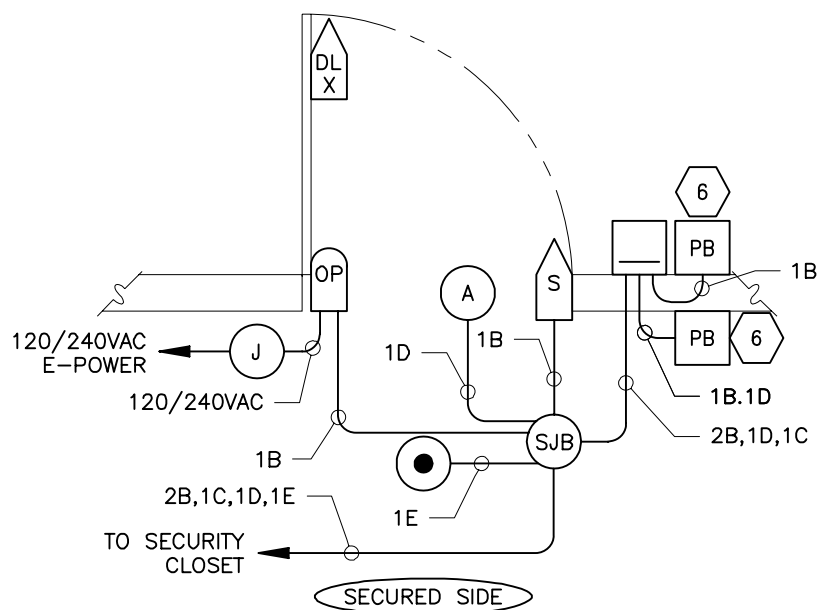


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-1

### DIAGRAM

SYMBOLS LIST	
	ADA PUSHBUTTON ACTUATOR
	ALARM CONTACT
	CARD READER
	ELECTRIC STRIKE
	JUNCTION BOX w/COVER
	MANUAL DEADLOCKING LATCH
	OPERATOR
	PIR/REX
	SECURITY JUNCTION BOX w/COVER



#### OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE, AND BY DEADLATCH PADDLE OR ADA PUSHBUTTON FROM THE SECURED SIDE. PRESENTING A VALID CARD ON THE UNSECURED SIDE WILL UNLOCK THE STRIKE AND ENABLE THE UNSECURED SIDE ADA PUSHBUTTON. THE PIR/REX WILL SHUNT THE ALARM BUT WILL NOT UNLOCK THE STRIKE. THE SECURED SIDE ADA PUSHBUTTON WILL SHUNT THE ALARM, UNLOCK THE STRIKE AND ACTUATE THE OPERATOR. IF THE DOOR IS HELD OPEN LONGER THAN A PRE-DETERMINED AMOUNT OF TIME, AN ALARM WILL BE GENERATED. IF THE DOOR IS FORCED, AN ALARM WILL BE GENERATED. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.

#### DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.



IF ADA ACTUATORS ARE TO BE CONNECTED TO WIRELESS RECEIVERS/TRANSMITTERS, REFER DETAIL SHEETS AS-3c THROUGH 3e, POINT-TO-POINT, AND AS-4b THROUGH 4c, LADDER, FOR WIRELESS PUSHBUTTON WIRING REQUIREMENTS.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-2

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	ADAMSRITE – STANDARD DUTY DEADLATCH	4510 SERIES	D	1,2,4
2	1	ADAMSRITE – ELECTRIC STRIKE, FAIL SECURE, 24VDC	7110 SERIES	B	1,2,4
3	1	ADAMSRITE – DEADLATCH PADDLE	4590 SERIES	B	1,2,4
4	1	INTERLOGIX – DOOR CONTACT	1078	B	3,4
5	1	DOOR OPERATOR	–	D	1,2,4
6	2	SDC – ADA PUSHBUTTON DOOR ACTUATOR, FULL LENGTH	SDC484AA36	D	1,2,4
7	AR	WIRELESS TRANSMITTER & RECEIVER, 1 RECEIVER INTERIOR, 1 RECEIVER EXTERIOR, N.O. OUTPUTS	–	D	7

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	CARD READER – SEE DETAIL 00.80.001 FOR CARD READER	–	A	
2	1	BOSCH SECURITY – PASSIVE INFRARED/REQUEST-TO-EXIT	DS160	B	5
3	AR	PHOENIX – TERMINALS	UK-5	B	6
4	AR	PHOENIX – END CLAMP	E/NS 35 N	B	6
5	AR	PHOENIX – END COVER	D-UK 4/10	B	
6	AR	PHOENIX – JUMPER, QTY TBD IN FIELD	LB x-x	B	
7	AR	PHOENIX – DIN RAIL, PERFORATED, 78.74"	NS 35/7,5-PERF 2000	B	6
8	AR	IDEC – DPDT RELAY w/INDICATOR LIGHT, DIODE, 24VDC	RH2B-ULD-DC24V	B	6
9	AR	IDEC – DIN RAIL RELAY SOCKET, DPDT	SH2B-05	B	6
10	AR	IDEC – PULL OVER WIRE SPRING, DPDT	SY4S-02F1	B	6
11	AR	ESD – END OF LINE RESISTOR PACK	EOL-1K	B	
12	AR	DIODE	1N4934	C	
13	1	8"x8"x4" J-BOX w/COVER	–	C	
14	AR	4" SQ. J-BOX w/COVER	–	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	1	REX	1	CAM	KPD	OUTPUT LOADING	LOCK	1	MON	KPD			
	DSM	1	AUX	1	P/I	A/M		AUX		P/I	A/M			

EQUIPMENT LIST NOTES	
<ol style="list-style-type: none"> <li>IF USING OTHER MANUFACTURER FOR LOCKING HARDWARE, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.</li> <li>HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.</li> <li>DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>REFERENCE SBD DETAIL 00.03.501, STANDARD CRITERIA, DS160 FOR SETUP.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> <li>HAVE THE DOOR OPERATOR SUPPLIER PROVIDE 1 WIRELESS TRANSMITTER/RECEIVER PER ADA ACTUATOR PUSHBUTTON WHEN NOT ABLE TO DIRECTLY CONNECT ACTUATOR OUTPUTS DIRECTLY TO THE ACS SYSTEM. SEE DETAIL SHEETS AL-3c THROUGH 3d, POINT-TO-POINT, AND AL-4b THROUGH 4c, LADDER, FOR WIRELESS PUSHBUTTON WIRING REQUIREMENTS.</li> </ol>	

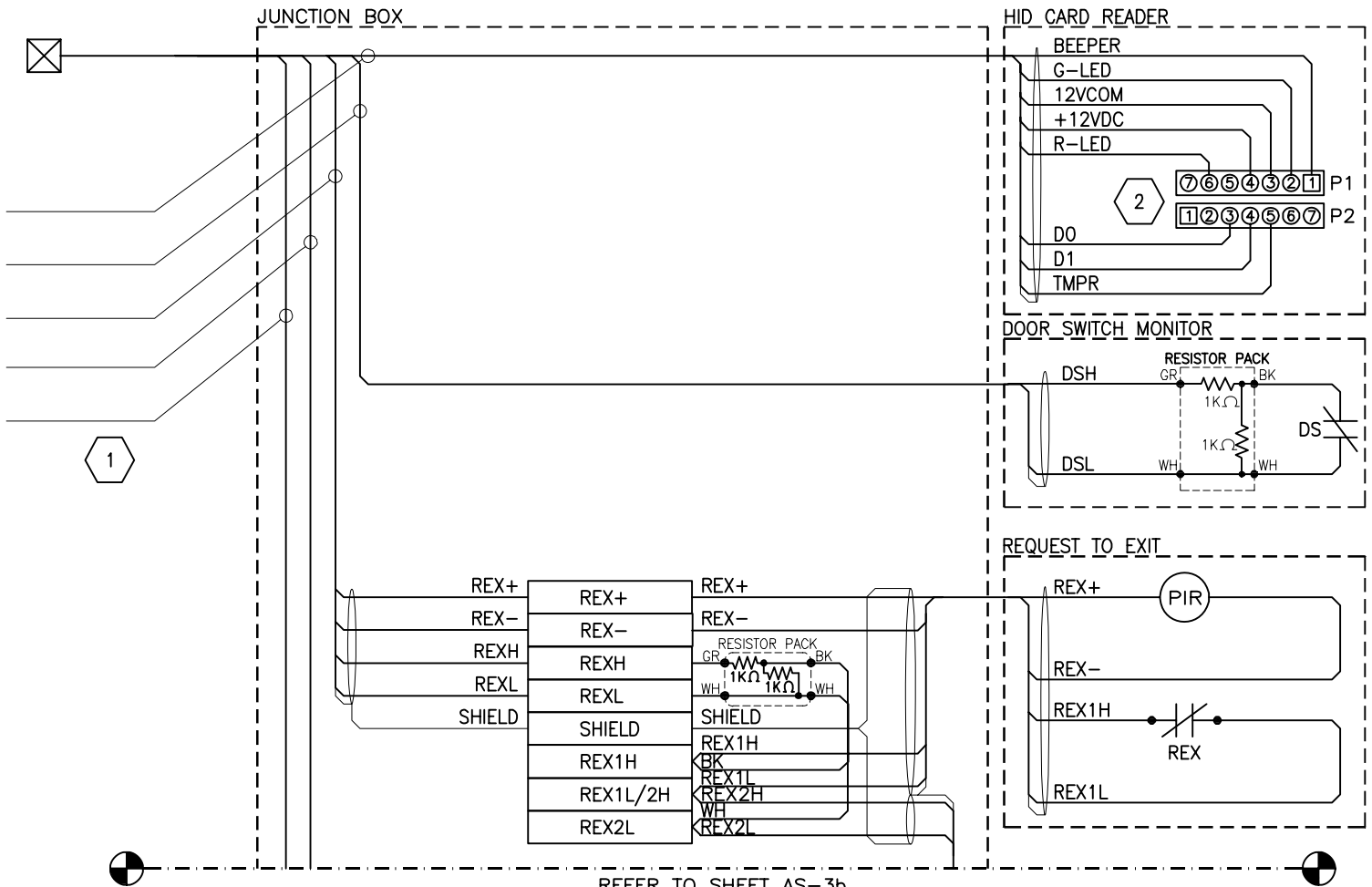


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

# DETAIL AS-3a POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:

## WIRED PUSHBUTTON OPTION



REFER TO SHEET AS-3b



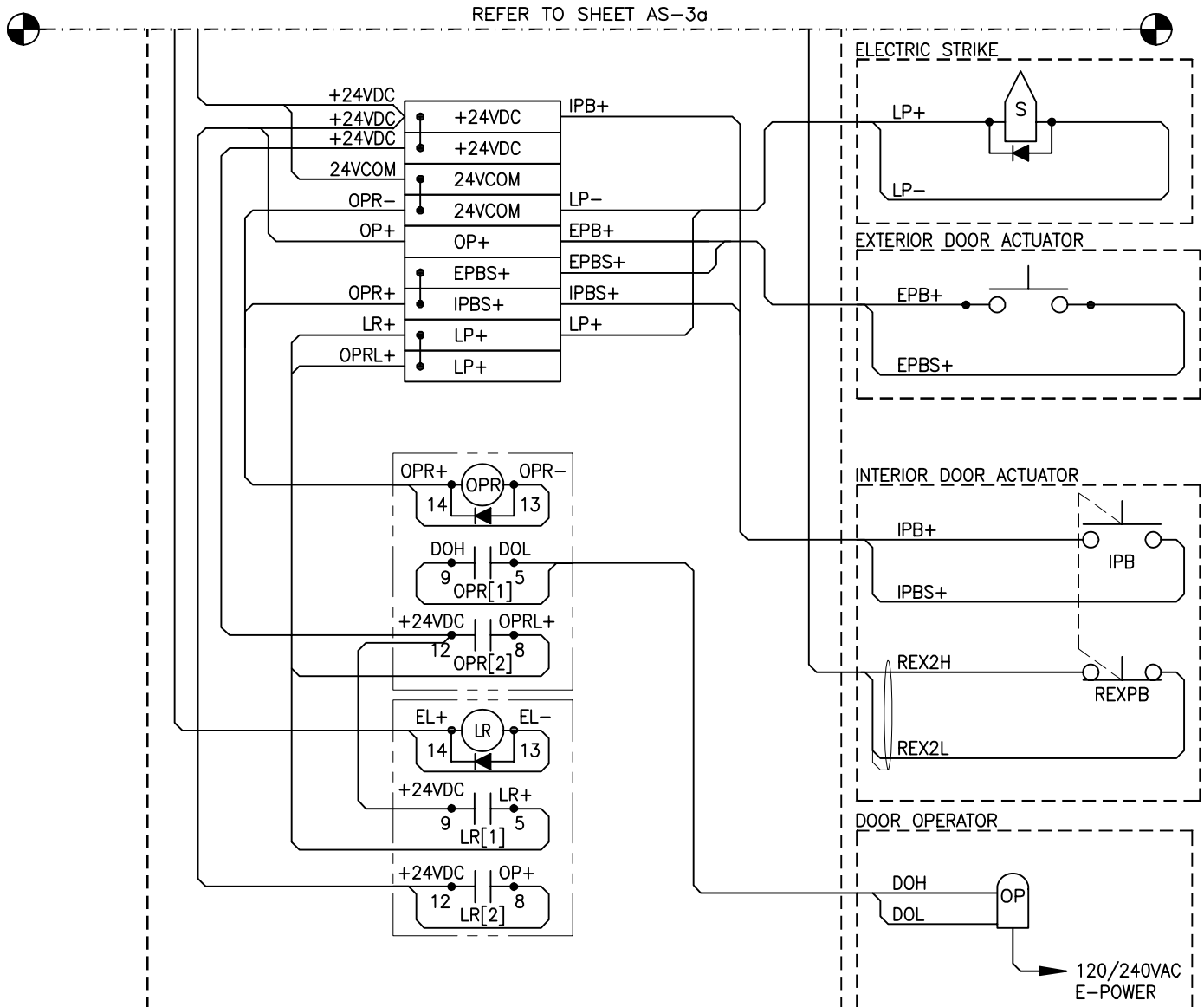
SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-3b

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:

## WIRED PUSHBUTTON OPTION



### POINT-TO-POINT NOTES

- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING, 00.05.501-507 WIRE MARKING FORMAT.
- 2 REFER TO DETAIL 00.80.001 FOR SPECIFIC CARD READER & WIRING DETAILS.



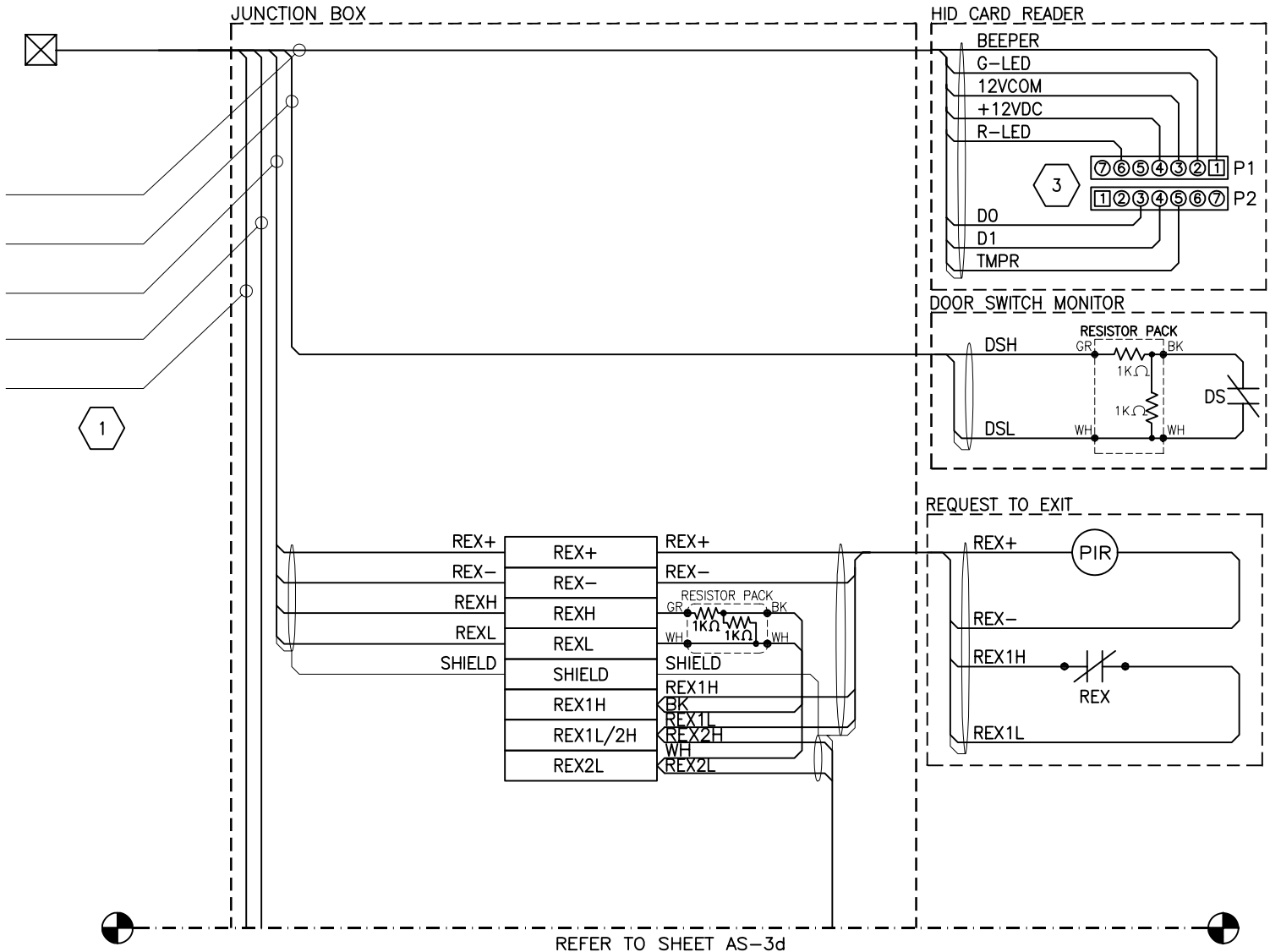
SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-3c

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:

## WIRELESS PUSHBUTTON OPTION







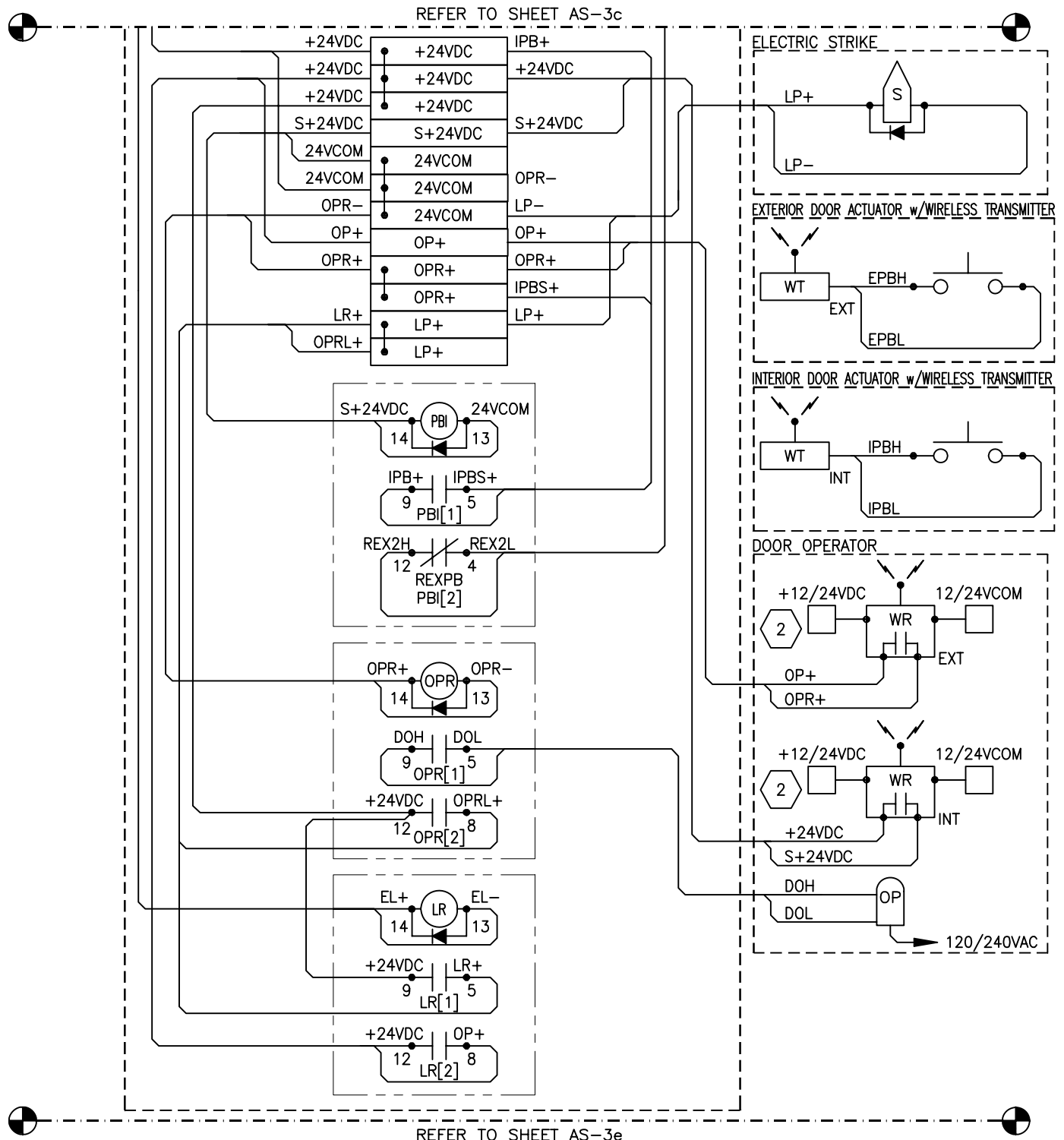
SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-3d

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:

## WIRELESS PUSHBUTTON OPTION





SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-3e

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:

## WIRELESS PUSHBUTTON OPTION

REFER TO SHEET AS-3d

### POINT-TO-POINT NOTES

- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING, 00.05.501-507 WIRE MARKING FORMAT.
- 2 DOOR OPERATOR INSTALLER IS TO PROVIDE LOW VOLTAGE POWER TO THE WIRELESS RECEIVERS.
- 3 REFER TO DETAIL 00.80.001 FOR SPECIFIC CARD READER & WIRING DETAILS.

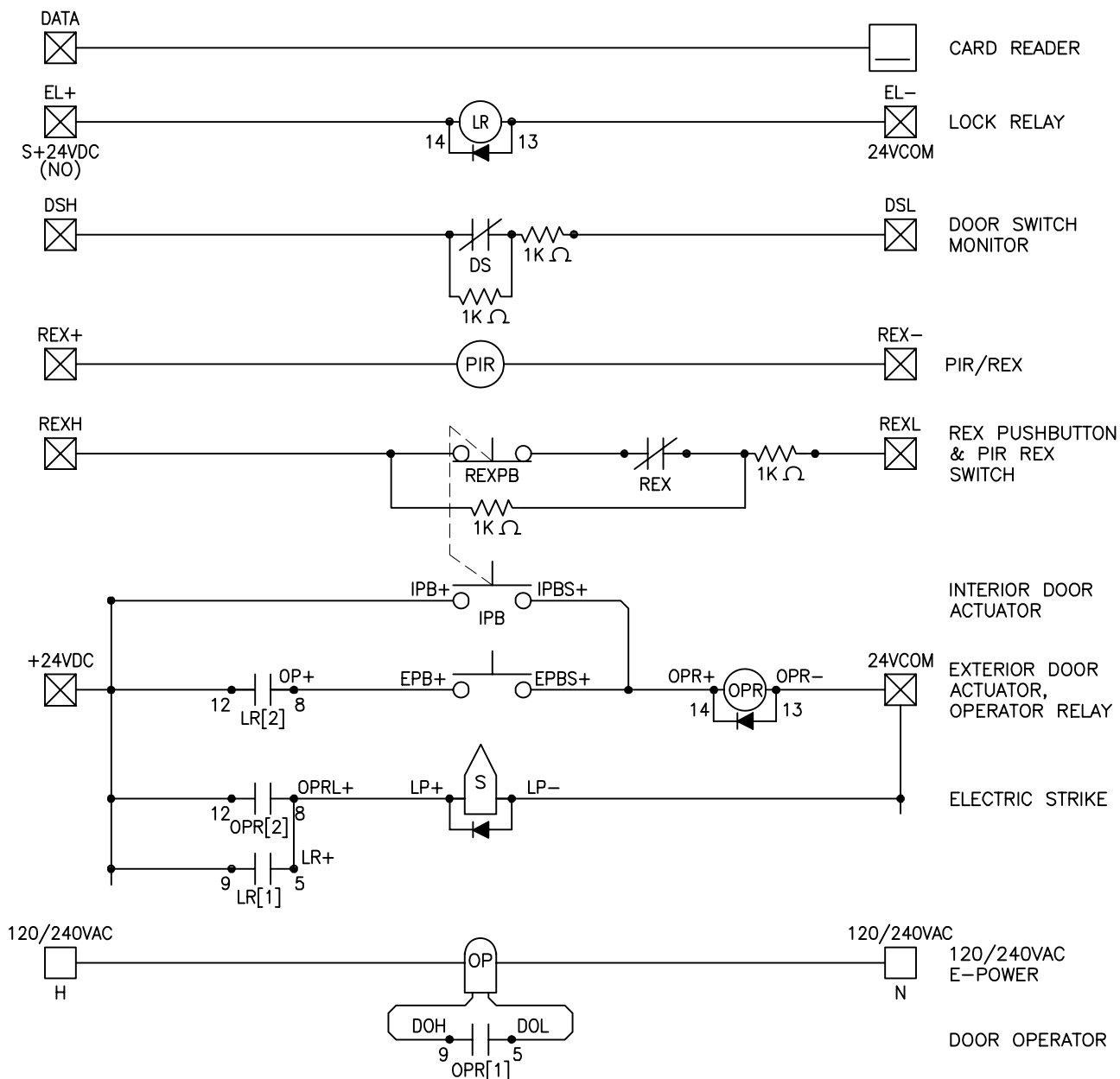


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-4a

LADDER

### WIRED PUSHBUTTON OPTION



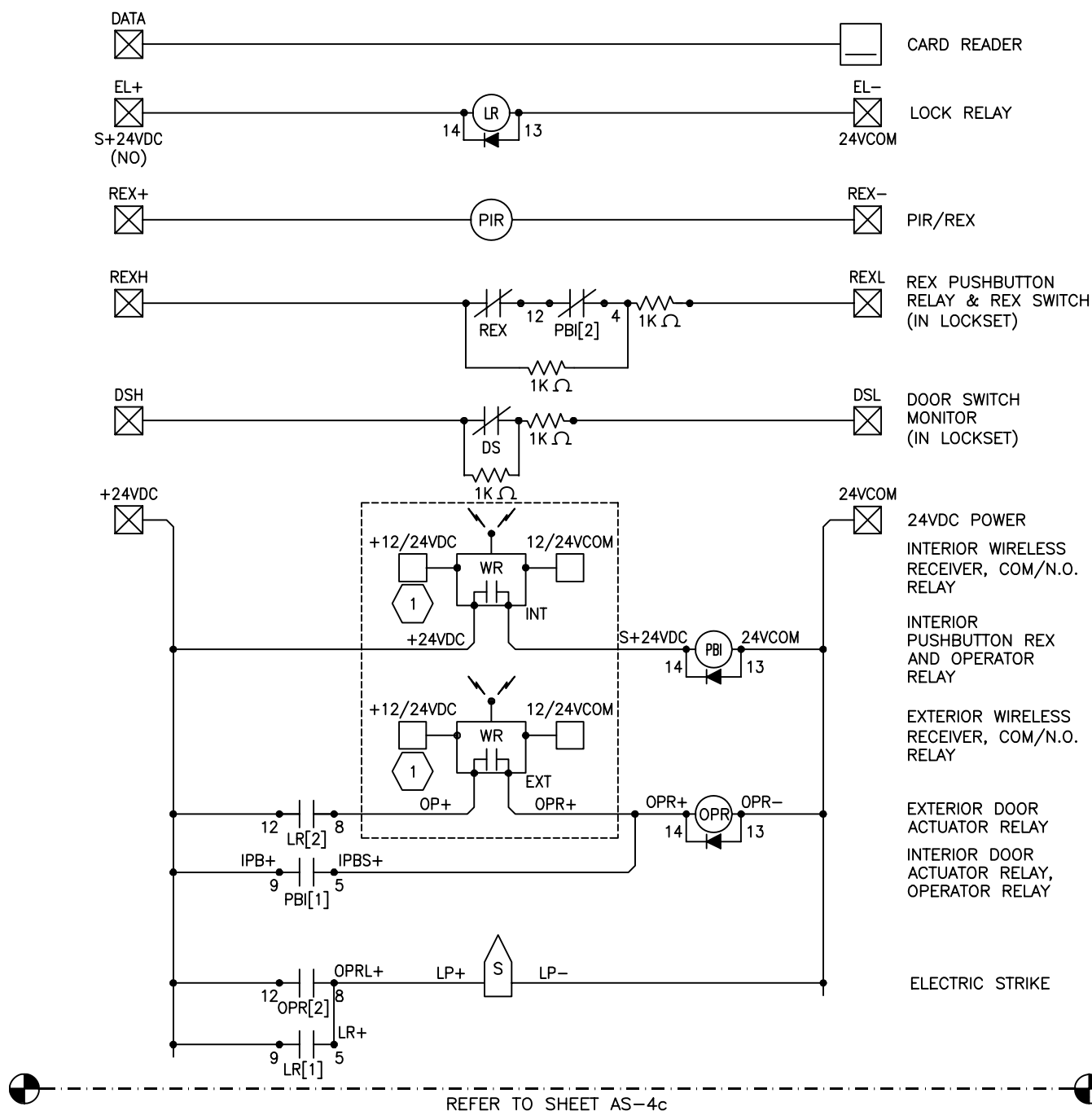


SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-4b

LADDER

### WIRELESS PUSHBUTTON OPTION

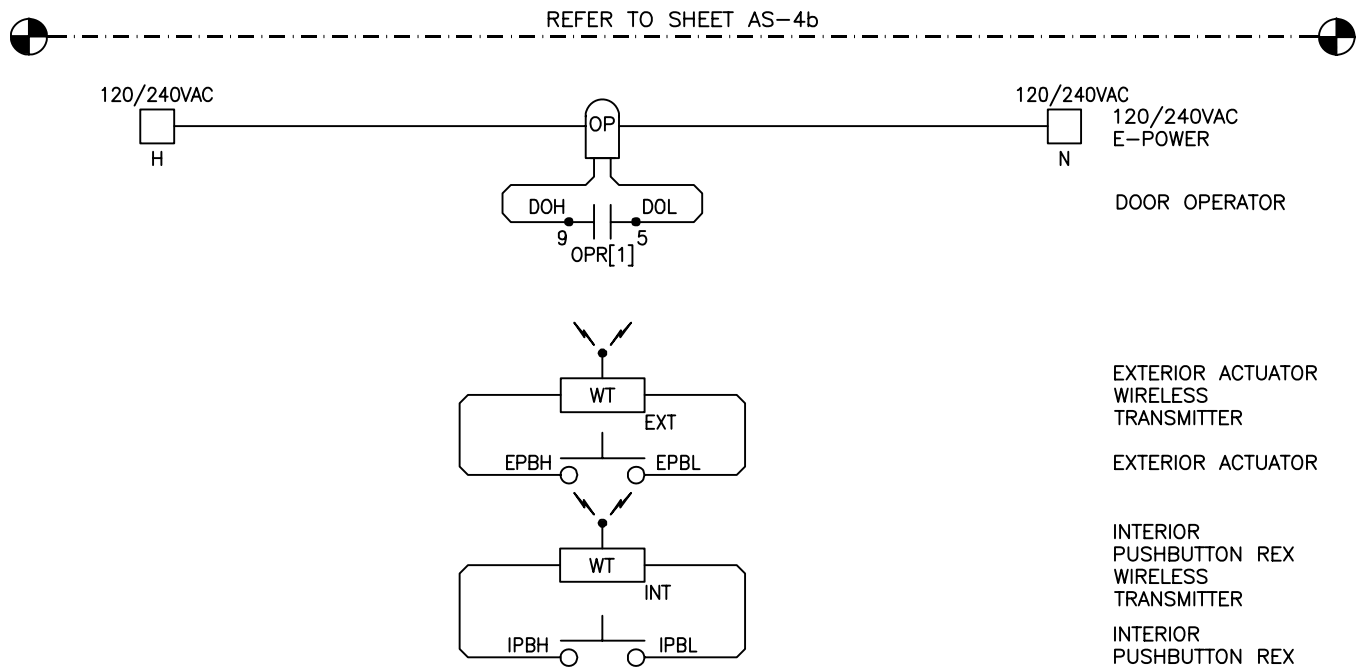




SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-4c

LADDER



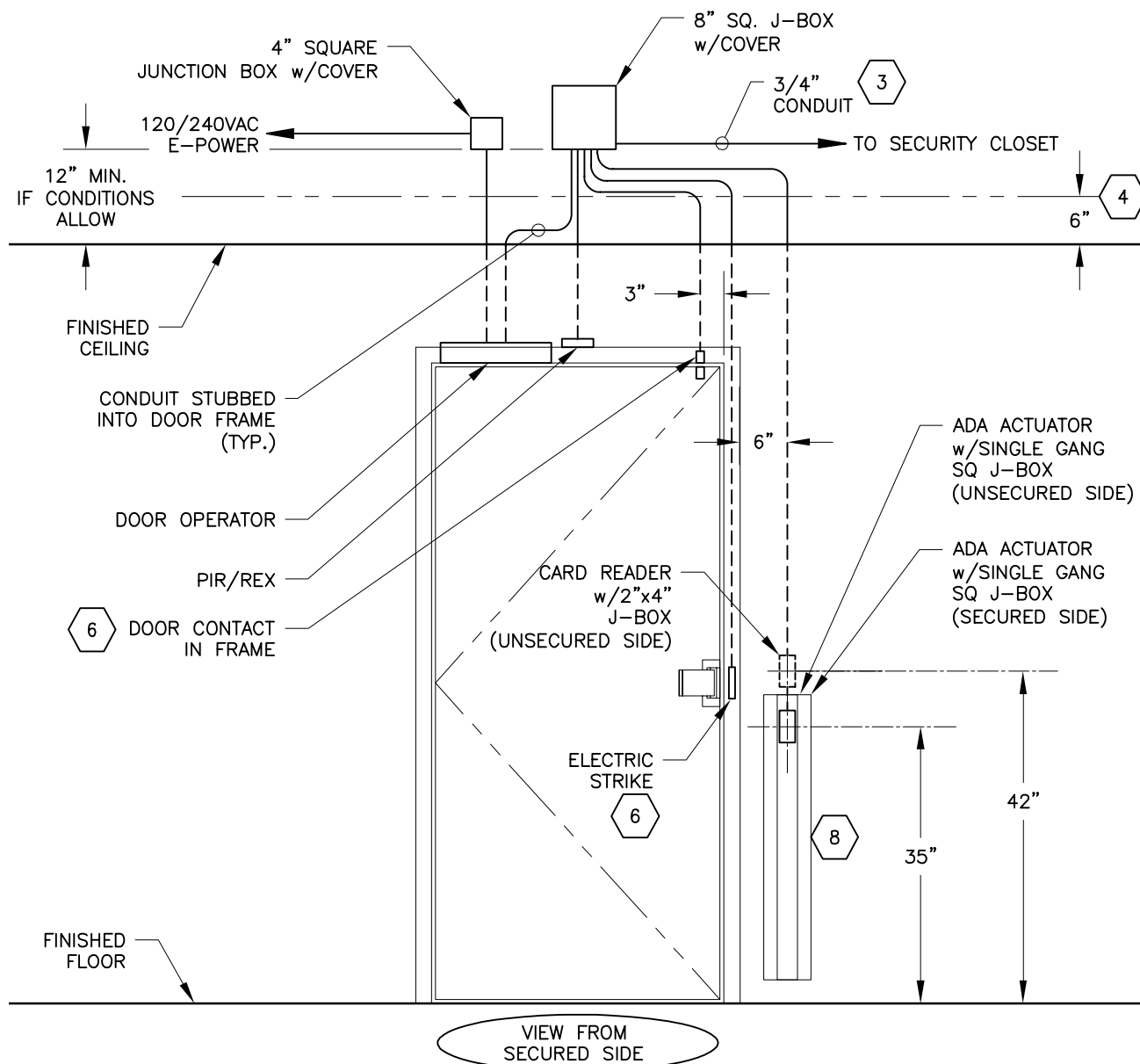
### LADDER NOTES

- 1 DOOR OPERATOR INSTALLER IS TO PROVIDE LOW VOLTAGE POWER TO THE WIRELESS RECEIVERS.



SINGLE DOOR, CARD IN/FREE EXIT  
ELECTRIC STRIKE, MANUAL PANIC, PIR/REX  
ADA ACTUATOR, OPERATOR, FAIL SECURE

## DETAIL AS-5 ELEVATION



### NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.

3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.

4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.

6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.

7. WHEN SJB IS NOT AVAILABLE FOR ROUGH-IN, REFERENCE STANDARD CRITERIA DRAWING, ROUGH-IN.

8 CONDUIT TO ADA ACTUATORS IS NOT REQUIRED WHEN WIRELESS ACTUATORS ARE USED.

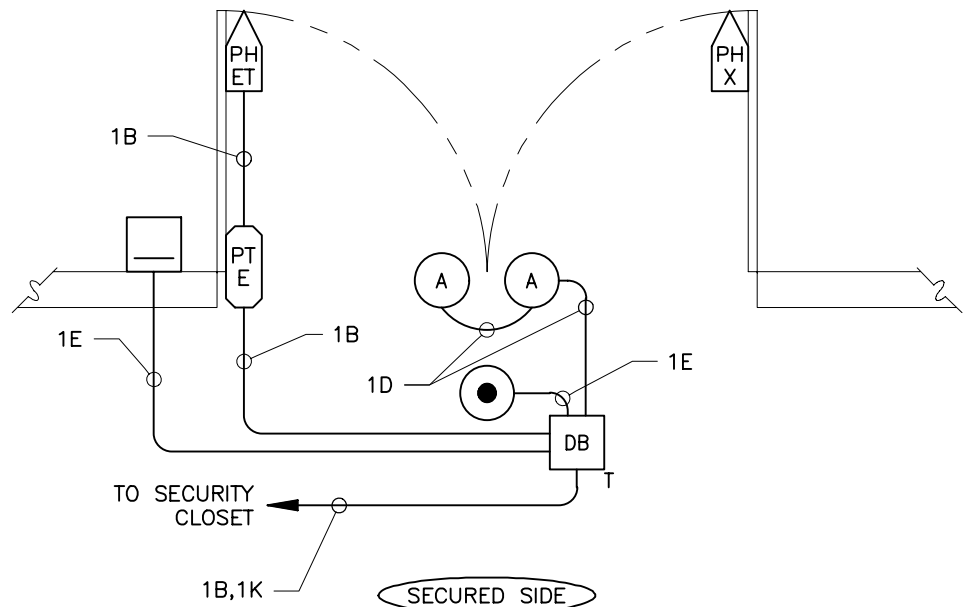


DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-1

### DIAGRAM

SYMBOLS LIST	
	ALARM CONTACT
	CARD READER
	JUNCTION BOX w/DOOR BOARD, TAMPER
	MANUAL PANIC
	PANIC w/ ELECTRIFIED TRIM
	PIR/REX
	POWER TRANSFER EPT - MORTISE SLEEVE



#### OPERATION

IN THE NORMAL STATE, THE DOORS ARE CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED ON THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY PANIC BAR FROM THE SECURED SIDE. THE PIR/REX SHUNTS THE ALARM BUT WILL NOT UNLOCK THE DOOR. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.

#### DIAGRAM NOTES

1. IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.
6. PROVIDE THE VON DUPRIN AX LD 9949L-NL-F x E996L 24VDC FSE & THE AX LD 9949-E0-F x FSE FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.
7. ORDER WITHOUT DOGGING FEATURE.



DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-2

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	VON DUPRIN – PANIC w/CONCEALED VERTICAL CABLES & ELECTRIFIED TRIM, 24VDC	AX LD 9949L–NL x E996L 24VDC FSE	D	1,2,4,5,7
2	1	VON DUPRIN – MANUAL PANIC w/CONCEALED VERTICAL CABLES	AX LD 9949–EO	D	1,2,4,5,7
3	1	VON DUPRIN – ELECTRIC POWER TRANSFER	EPT–10	D	1,2,4
4	2	INTERLOGIX – ALARM CONTACT	1078	B	3,4

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	HID – SEE DETAIL 00.80.001 FOR CARD READER	–	A	
2	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD	SY–EP1501	A	
3	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	9
4	1	BOSCH SECURITY – PASSIVE INFRARED REQUEST–TO–EXIT	DS160	B	6
5	AR	PHOENIX – TERMINALS	UK–5	B	8
6	AR	PHOENIX – END CLAMP	E/NS 35 N	B	8
7	AR	PHOENIX – END COVER	D–UK 4/10	B	
8	AR	PHOENIX – JUMPER, QTY TBD IN FIELD	LB x–x	B	
9	AR	ESD – END OF LINE RESISTOR PACK	EOL–1K	B	
10	AR	DIODE	1N4934	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	1	REX	1	CAM		KPD		OUTPUT LOADING	LOCK	1	MON		KPD			
	DSM	1	AUX		P/I		A/M			AUX		P/I		A/M			

EQUIPMENT LIST NOTES																	
<ol style="list-style-type: none"> <li>IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.</li> <li>HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.</li> <li>DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>PROVIDE THE VON DUPRIN AX LD 9949L–NL–F x E996L 24VDC FSE &amp; THE AX LD 9949–EO–F x FSE FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.</li> <li>REFERENCE STANDARD CRITERIA DETAIL 00.03.501, FOR DS160 SETUP.</li> <li>ORDER WITHOUT DOGGING FEATURE.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> <li>KEY ALIKE ALL JUNCTION BOXES.</li> </ol>																	



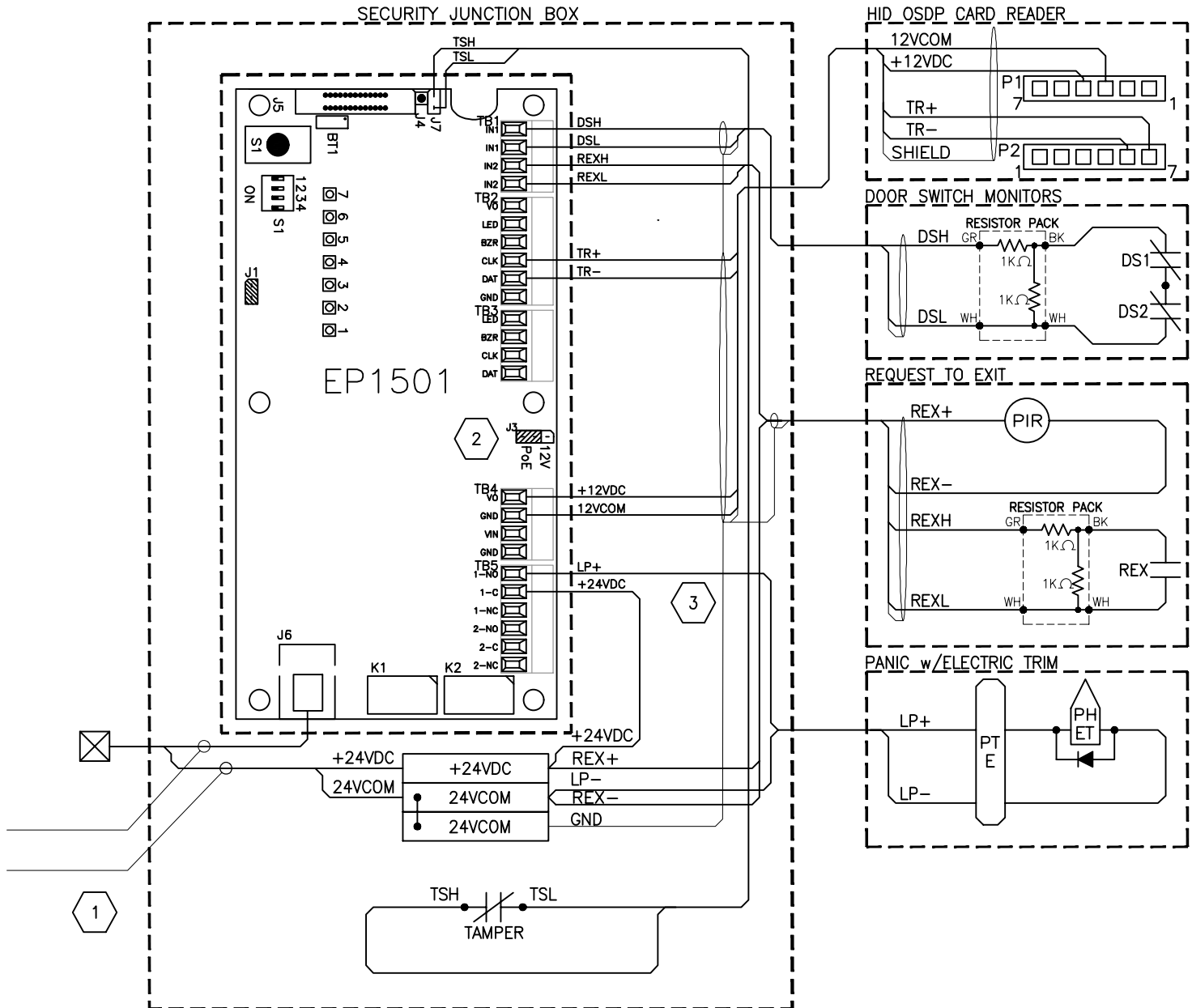


DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



#### POINT-TO-POINT NOTES

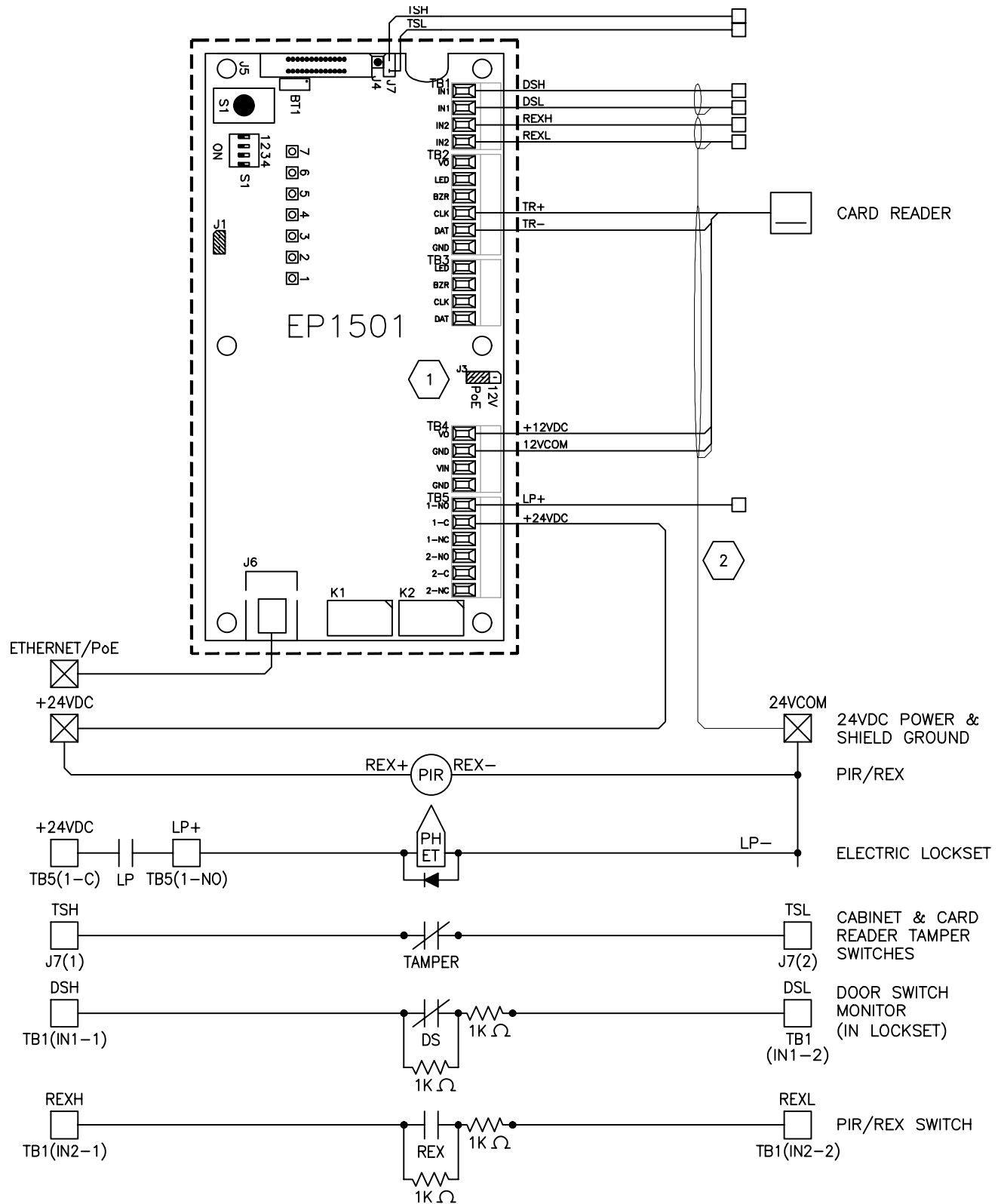
- TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.
- SET JUMPER J3 TO PoE FOR POWER INPUT.
- TWIST DRAIN WIRES TOGETHER AND CONNECT TO 24VCOM TERMINAL, COMMON GROUND.



DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-4a

### LADDER



REFER TO SHEET BC-4b



DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-4b

### LADDER

REFER TO SHEET BC-4a

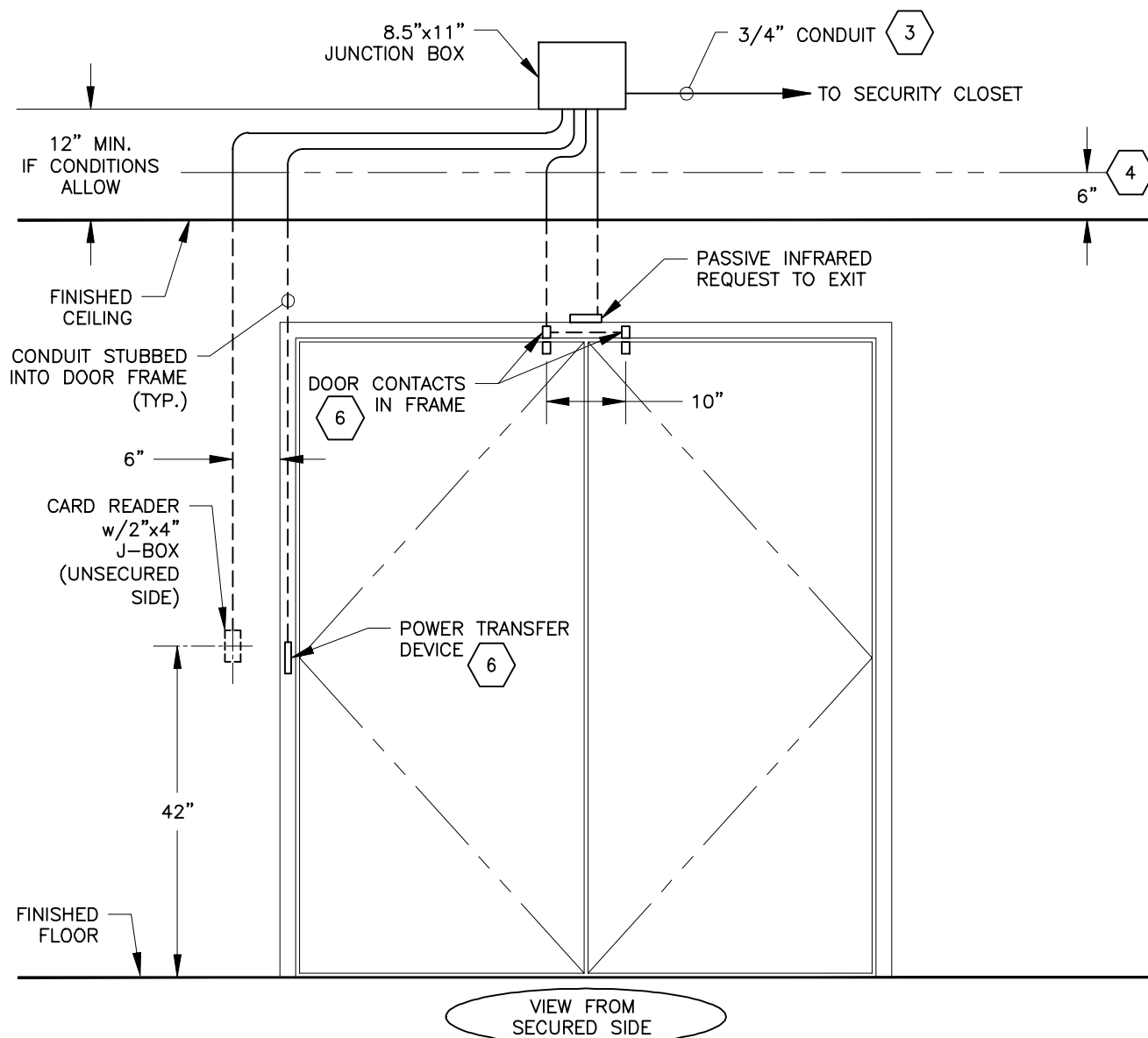
#### LADDER NOTES

- 1 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 2 TWIST DRAIN WIRES TOGETHER AND CONNECT TO 24VCOM TERMINAL, COMMON GROUND.



DOUBLE DOOR, CARD IN/FREE EXIT  
PANIC w/ELECTRIFIED TRIM  
MANUAL PANIC, PIR/REX  
FAIL SECURE

## DETAIL BC-5 ELEVATION



### ELEVATION NOTES

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2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.



IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.



IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.



FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.

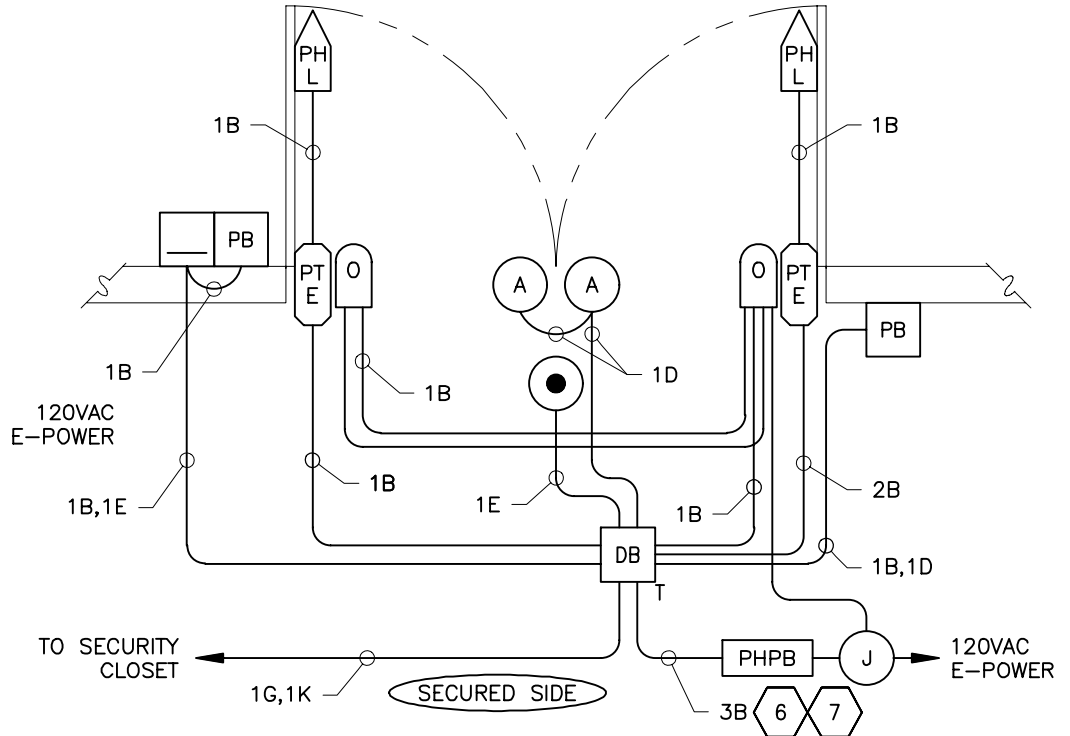


DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-1

### DIAGRAM

SYMBOLS LIST	
	ADA PUSHBUTTON
	ALARM CONTACT
	CARD READER
	DOOR OPERATOR
	ELECTRIC PANIC w/QUIET LATCH RETRACTION
	ELECTRIC POWER TRANSFER
	JUNCTION BOX w/COVER
	JUNCTION BOX w/DOOR BOARD, TAMPER
	PANIC HARDWARE POWER BOOSTER
	PIR/REX



#### OPERATION

IN THE NORMAL STATE, THE DOORS ARE CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE, AND BY PANIC BARS OR ADA ACTUATOR FROM THE SECURED SIDE. ON VALID CARD READ, THE UNSECURED SIDE ADA PUSHBUTTON WILL UNLOCK THE LOCK AND ACTUATE THE OPERATORS. FROM THE SECURED SIDE THE PIR/REX WILL SHUNT THE ALARM BUT NOT UNLOCK THE LOCKS. THE SECURED SIDE ADA PUSHBUTTON WILL SHUNT AN ALARM, UNLOCK THE LOCKS AND ACTUATE THE OPERATORS. IF THE DOORS ARE HELD OPEN LONGER THAN A PRE-DETERMINED AMOUNT OF TIME, AN ALARM WILL BE GENERATED. IF THE DOORS ARE FORCED FROM THE UNSECURED SIDE, AN ALARM WILL BE GENERATED. IF THE CARD READER IS REMOVED, A TAMPER ALARM WILL BE GENERATED.



WHEN USED ON A FIRE RATED DOOR, APPLY NOTE 7 BELOW.

#### DIAGRAM NOTES

- THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
- IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
- DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
- HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
- FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.



IF CABLE LENGTH TO PANIC HARDWARE POWER BOOSTER IS GREATER THAN 200', USE THE FOLLOWING GAUGE CABLES INSTEAD OF THE STANDARD 18AWG OF THE "B" TYPE CABLE:

- 201' TO 320', USE 1 PAIR 16 AWG
- 321' TO 500', USE 1 PAIR 14 AWG
- 501' TO 800', USE 1 PAIR 12 AWG



IF THE DOOR IS FIRE RATED, A FIRE ALARM BOARD IS REQUIRED TO BE INSTALLED IN THE PANIC HARDWARE POWER BOOSTER (PHPB) TO LATCH THE LOCK. PROVIDE A PAIR OF WIRES AND ANY REQUIRED CONDUIT TO A FIRE ALARM RELAY.



DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-2a

### EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	VON DUPRIN – ELECTRIC PANIC w/QUIET LATCH RETRACTION, CONCEALED VERTICAL CABLE, NIGHT LATCH, OPTIONAL PULL	QEL9949–NL–OP	D	1,2,4,5
2	1	VON DUPRIN – ELECTRIC PANIC w/QUIET LATCH RETRACTION, CONCEALED VERTICAL CABLE, EXIT ONLY	QEL9949–EO	D	1,2,4,5
3	2	VON DUPRIN – ELECTRIC POWER TRANSFER, 2 WIRE	EPT–2	D	1,2,4
4	1	SCHLAGE – PANIC HARDWARE POWER BOOSTER	PS902	D	1,2,6
5	1	VON DUPRIN – 2 RELAY QEL/EL PANIC DEVICE CONTROL BOARD	900–2RS	D	1,2
6	AR	VON DUPRIN – EMERGENCY INTERFACE/FIRE ALARM RELAY	900–FA	D	1,2,8
7	AR	SCHLAGE – BATTERY BACKUP KIT w/2 12VDC BATTERIES AND CHARGING BOARD w/BATTERY CABLES	900–BBK	D	1,2,9
8	1	VON DUPRIN – KEYLOCK KIT	900–KL	D	1,2
9	2	DOOR OPERATOR	–	D	1,2
10	2	SDC – ADA PUSHBUTTON DOOR ACTUATOR, FULL LENGTH	SDC484AA36	D	1,2
11	2	INTERLOGIX – ALARM CONTACT	1078	B	3,4

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	HID – SEE DETAIL 00.80.001 FOR CARD READER	–		
2	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD	SY–EP1501	A	
3	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	6
4	1	BOSCH SECURITY – PASSIVE INFRARED	DS160	B	10
5	AR	PHOENIX – TERMINALS	UK–5	B	7
6	AR	PHOENIX – END CLAMP	E/NS 35 N	B	7
7	AR	PHOENIX – END COVER	D–UK 4/10	B	
8	AR	PHOENIX – JUMPER, QTY TBD IN FIELD	LB x–x	B	
9	AR	PHOENIX – DIN RAIL, PERFORATED, 78.74" [2000mm]	NS 35/7,5–PERF 2000	B	7
10	2	IDEC – DPDT RELAY w/INDICATOR LIGHT, DIODE, 12VDC	RH2B–ULD–DC12V	B	7
11	2	IDEC – DIN RAIL RELAY SOCKET, DPDT	SH2B–05	B	7
12	2	IDEC – PULL OVER WIRE SPRING, DPDT	SY4S–02F1	B	
13	AR	ESD – END OF LINE RESISTOR PACK	EOL–1K	B	
14	AR	DIODE	1N4934	C	
15	1	4" SQ. J–BOX w/COVER	–	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

REFER TO SHEET BJ–2b



DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-2b

### EQUIPMENT LIST

REFER TO SHEET BJ-3a

INPUT LOADING	CR	1	REX	1	CAM		KPD		OUTPUT LOADING	LOCK	1	MON		KPD			
	DSM	1	AUX		P/I		A/M			AUX		P/I		A/M			

#### EQUIPMENT LIST NOTES

1. IF USING OTHER MANUFACTURER FOR LOCKING HARDWARE, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
2. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
3. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
4. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.
5. PROVIDE THE VON DUPRIN QEL9949-F-NL-OP & THE QEL9949-F-EO FIRE RATED DOOR HARDWARE FOR FIRE RATED DOORS.
6. KEY ALIKE ALL JUNCTION BOXES.
7. PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.
8. FOR USE ON FIRE RATED DOORS ONLY. PROVIDE 1 900-FA FIRE ALARM INPUT BOARD PER OPTION BOARD FOR LOCK LATCHING ON FIRE ALARM.
9. BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND-BY POWER IS NOT AVAILABLE.
10. REFERENCE STANDARD CRITERIA DETAIL 00.03.501, FOR DS160 SETUP.





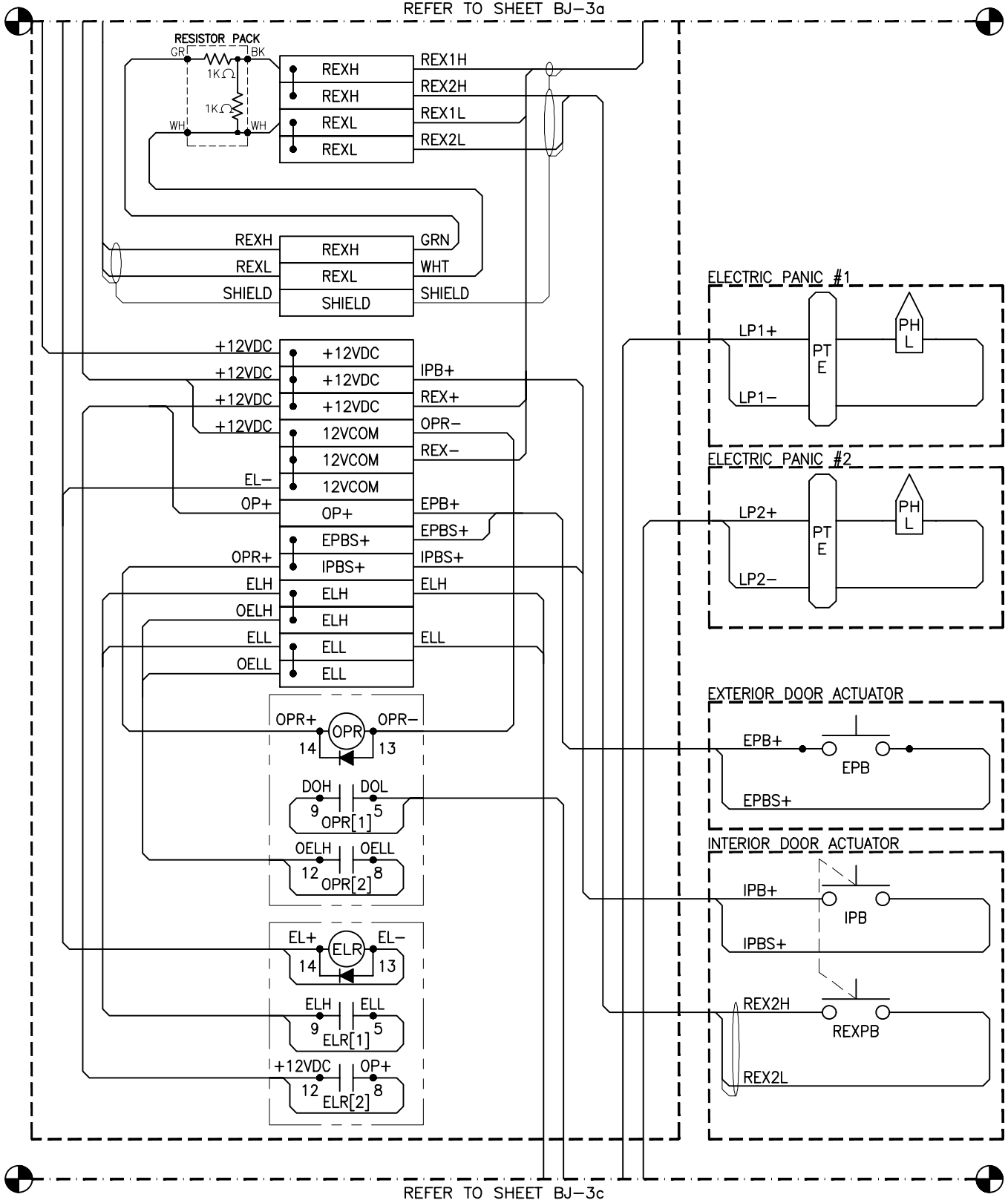


DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-3b

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



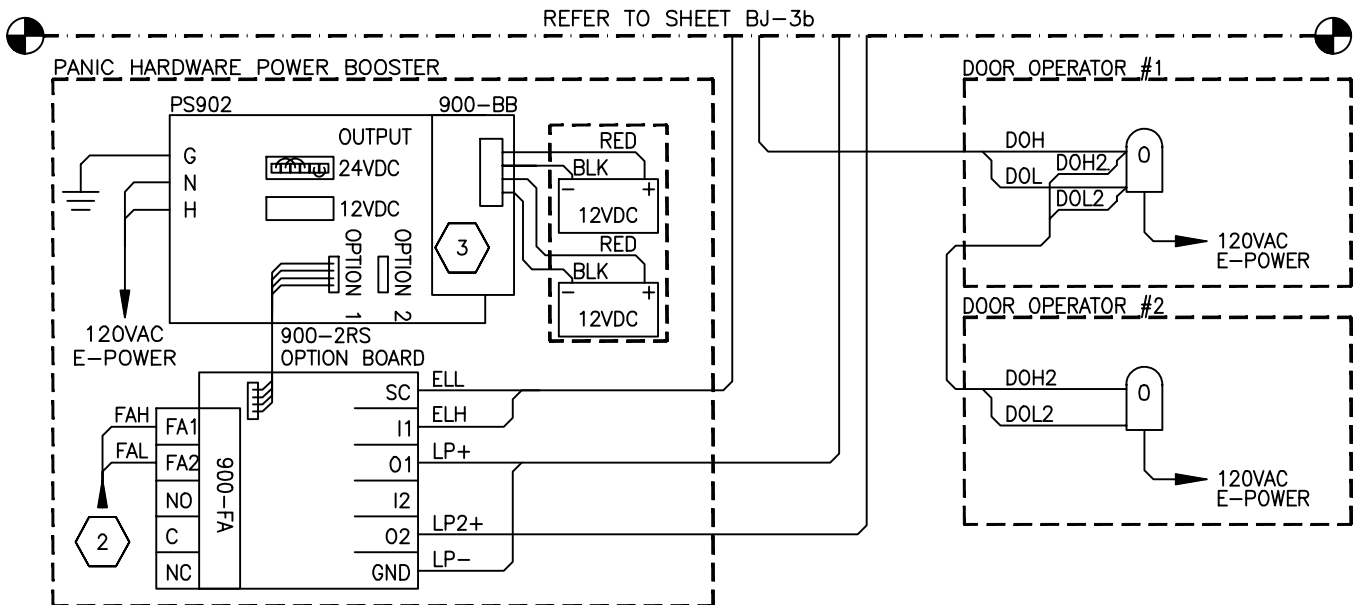


DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-3c

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



#### POINT-TO-POINT NOTES

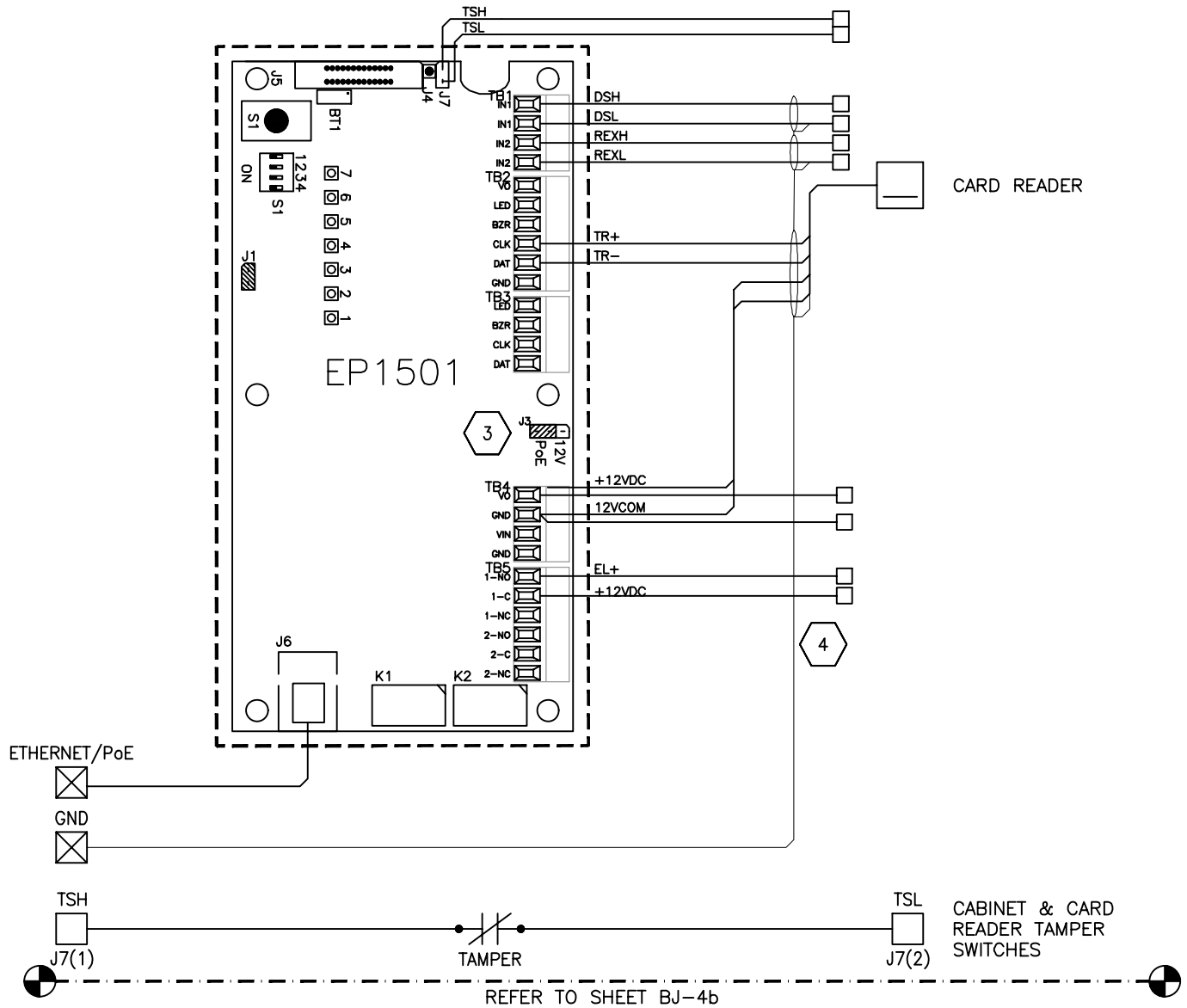
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.
- 2 OPTIONAL FROM FIRE ALARM RELAY. ONLY REQUIRED FOR RELATCHING A FIRE RATED DOOR UPON FIRE ALARM.
- 3 BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND BY POWER IS NOT AVAILABLE.
- 4 SET JUMPER TO PoE FOR POWER INPUT.
- 5 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND WIRE TERMINAL.



DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-4a

### LADDER

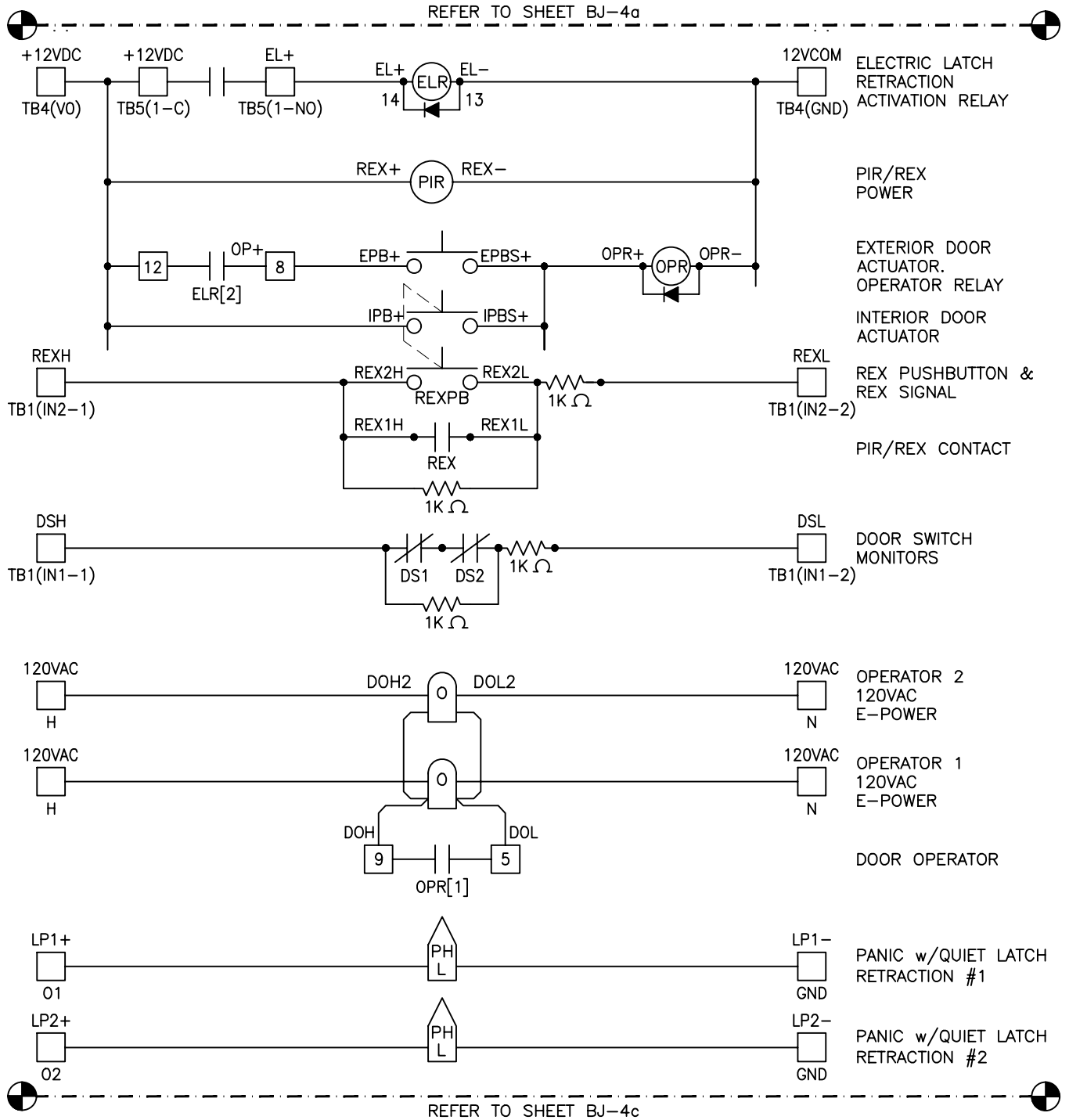


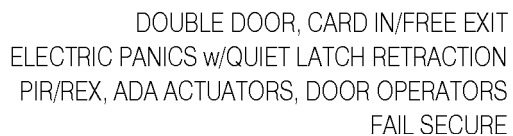


DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

## DETAIL BJ-4b

### LADDER





## LADDER

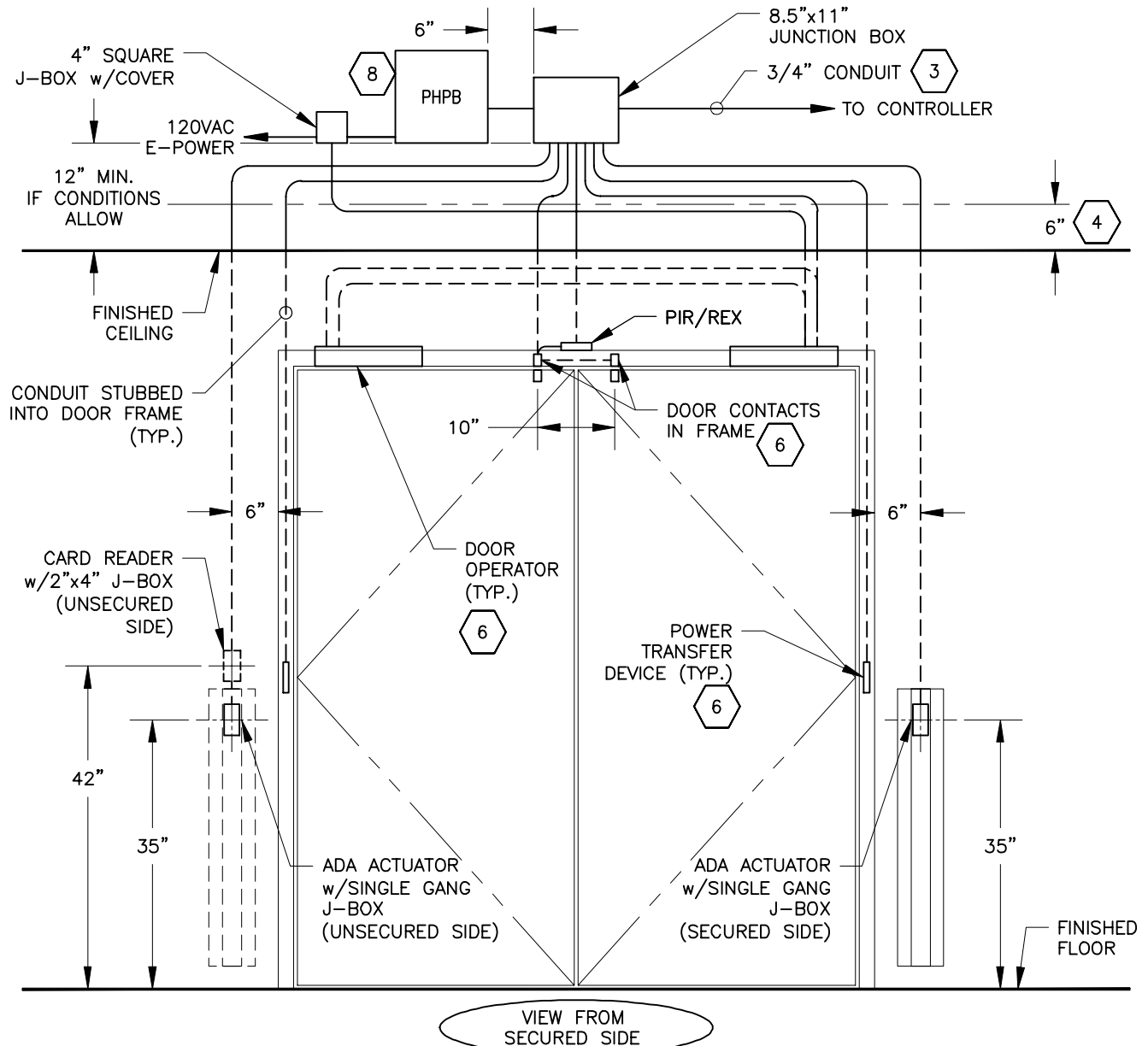


- 1 OPTIONAL FROM FIRE ALARM RELAY. ONLY REQUIRED FOR RELATCHING A FIRE RATED DOOR UPON FIRE ALARM.
- 2 BATTERY BACKUP KIT ONLY REQUIRED WHEN 120VAC STAND BY POWER IS NOT AVAILABLE.
- 3 SET JUMPER TO PoE FOR POWER INPUT.
- 4 TWIST DRAIN WIRE TOGETHER AND CONNECT TO GRAND WIRE TERMINAL.






DOUBLE DOOR, CARD IN/FREE EXIT  
ELECTRIC PANICS w/QUIET LATCH RETRACTION  
PIR/REX, ADA ACTUATORS, DOOR OPERATORS  
FAIL SECURE

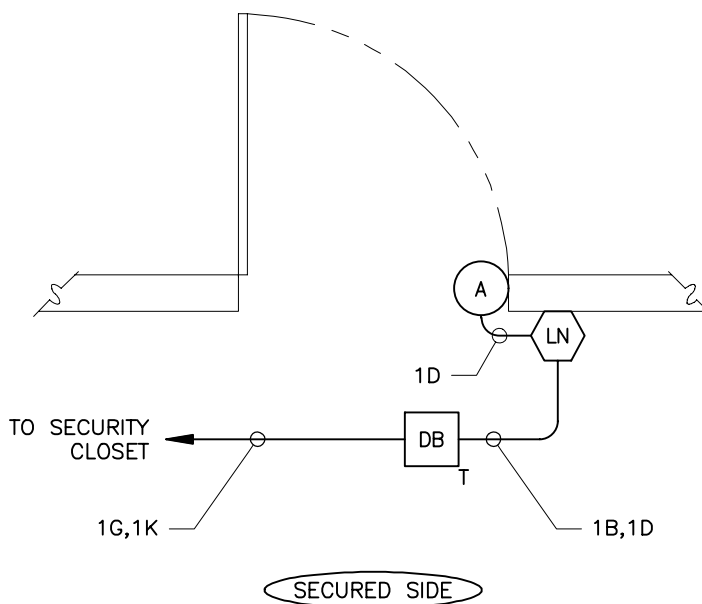
## DETAIL BJ-5 ELEVATION



### ELEVATION NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.
- 3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.
- 4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.
5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.
- 6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.
- 7 LOCATE JUNCTION BOX WITHIN 10' OF DOOR. DO NOT LOCATE DIRECTLY ABOVE DOOR.
- 8 IF THE DOOR IS FIRE RATED, A FIRE ALARM BOARD IS REQUIRED TO BE INSTALLED IN THE PANIC HARDWARE POWER BOOSTER (PHPB) TO LATCH THE LOCK. PROVIDE A PAIR OF WIRES AND ANY REQUIRED CONDUIT TO A FIRE ALARM RELAY.

SYMBOLS LIST	
	ALARM CONTACT
	JUNCTION BOX w/ DOOR BOARD, TAMPER
	LOCAL NOISE



## OPERATION

IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE AND UNLOCKED ON THE SECURED SIDE. IF THE DOOR IS OPENED, AN ALARM WILL BE GENERATED AND A LOCAL NOISE WILL SOUND. THE LOCAL NOISE WILL RESET WHEN THE DOOR IS CLOSED.

**DIAGRAM NOTES**

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
2. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
3. DOOR HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.



SINGLE DOOR, ALARMED  
LOCAL NOISE

# DETAIL GA-2

## EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	INTERLOGIX – DOOR CONTACT	1078	B	1,2
2					

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD. PoE	SY-MR51e	A	
2	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	3
3	AR	ESD – END OF LINE RESISTOR PACK	EOL-1K	C	
4	1	SYSTEM SENSOR – CHIME SOUNDER, WHITE, 24VDC	CHW	B	
5	1	SINGLE GANG BOX	–	D	
6	AR	PHOENIX – TERMINALS	UK-5	B	4
7	AR	PHOENIX – END CLAMP	E/NS 35 N	B	4
8	AR	PHOENIX – END COVER	D-UK 4/10	B	

### CODE INDEX

- |  |                          |
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT	CR		REX		CAM		KPD		OUTPUT	LOCK		MON		KPD		
LOADING	DSM	1	AUX		P/I		A/M		LOADING	AUX	1	P/I		A/M		

EQUIPMENT LIST NOTES	
<ol style="list-style-type: none"> <li>DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.</li> <li>FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.</li> <li>KEY ALIKE ALL JUNCTION BOXES.</li> <li>PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.</li> </ol>	



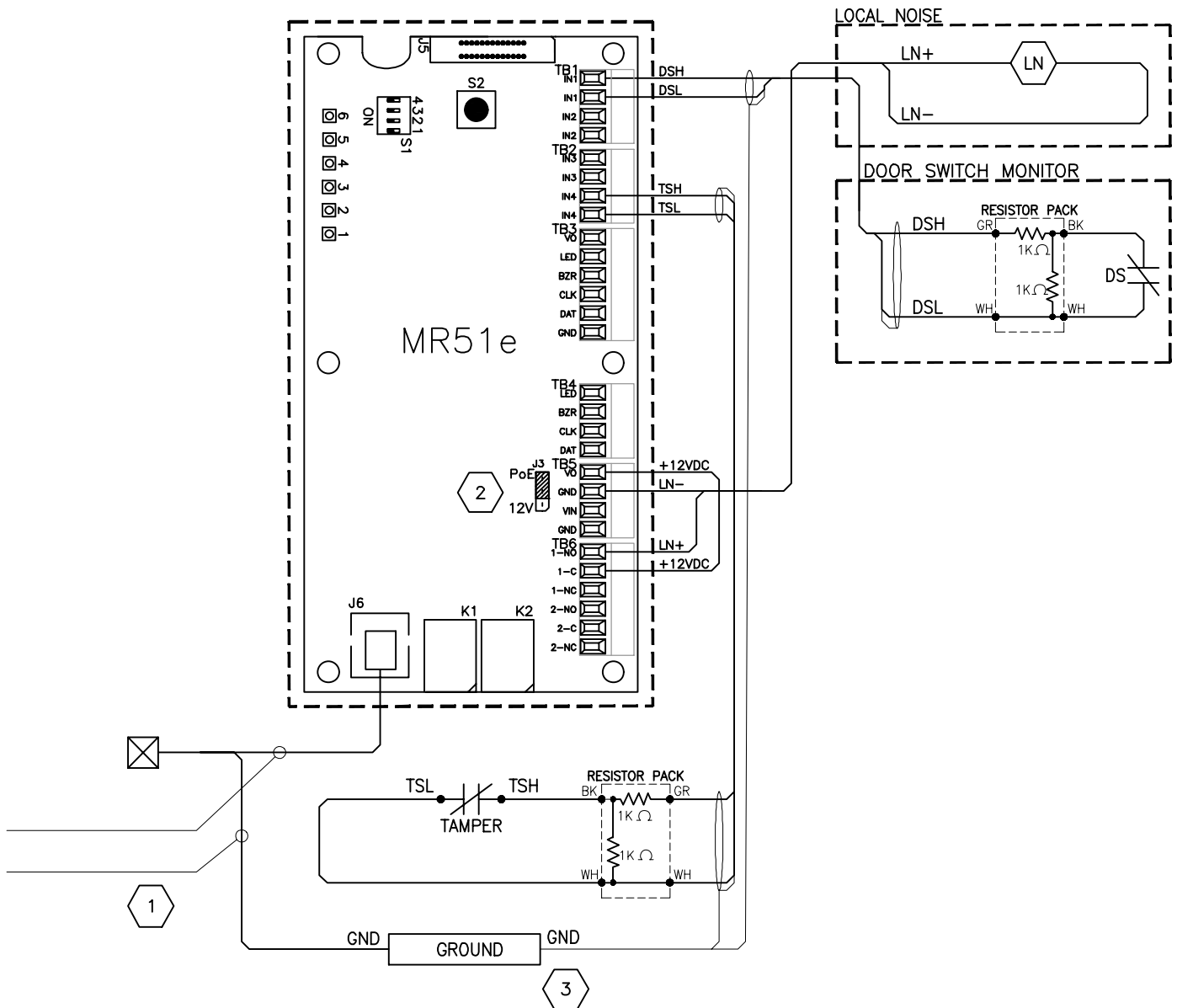


SINGLE DOOR, ALARMED  
LOCAL NOISE

## DETAIL GA-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



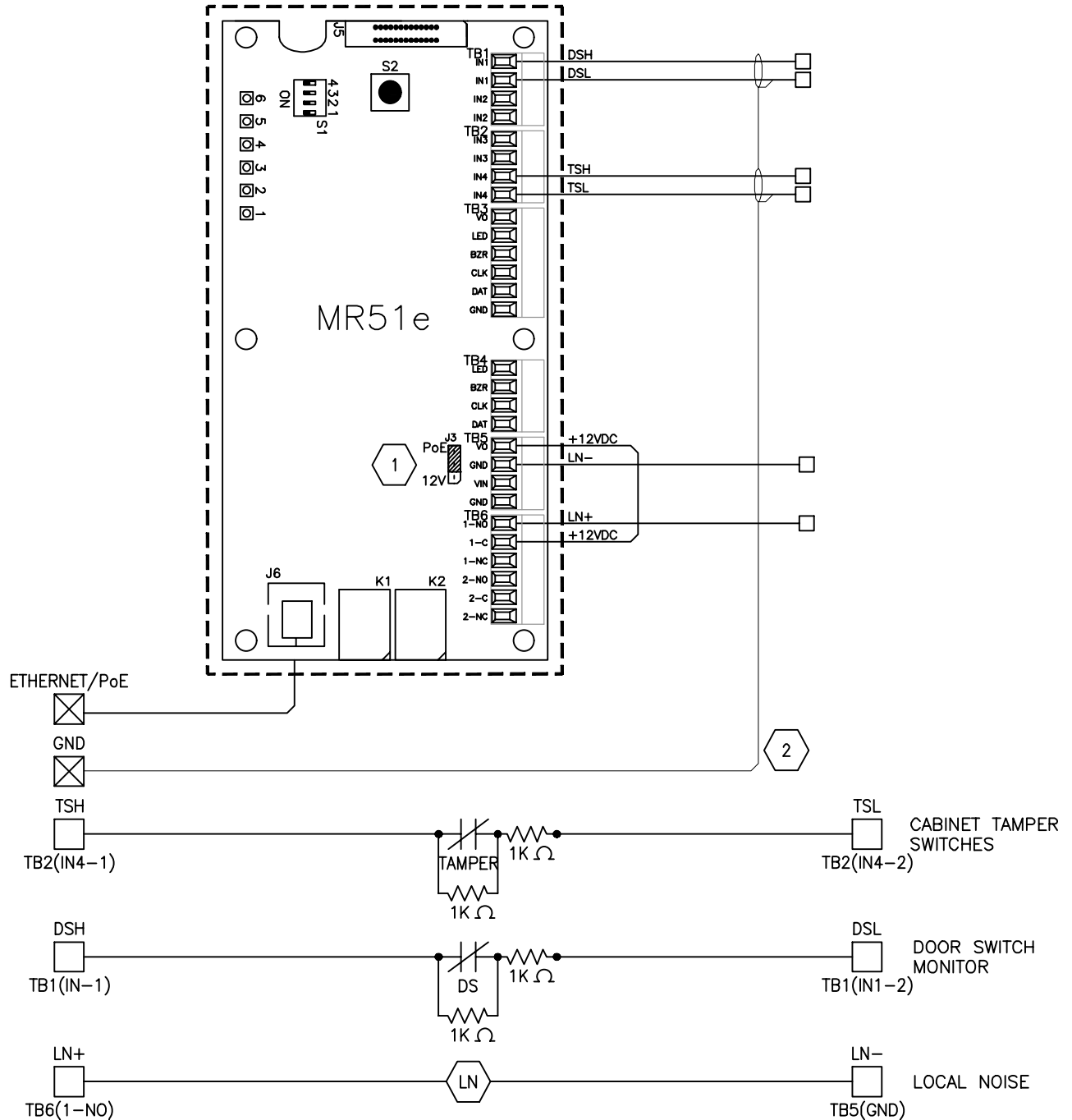
#### POINT-TO-POINT NOTES

- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING, SECURITY WIRE FORMAT.
- 2 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 3 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND TERMINAL, COMMON GROUND.



SINGLE DOOR, ALARMED  
LOCAL NOISE

# DETAIL GA-4 LADDER



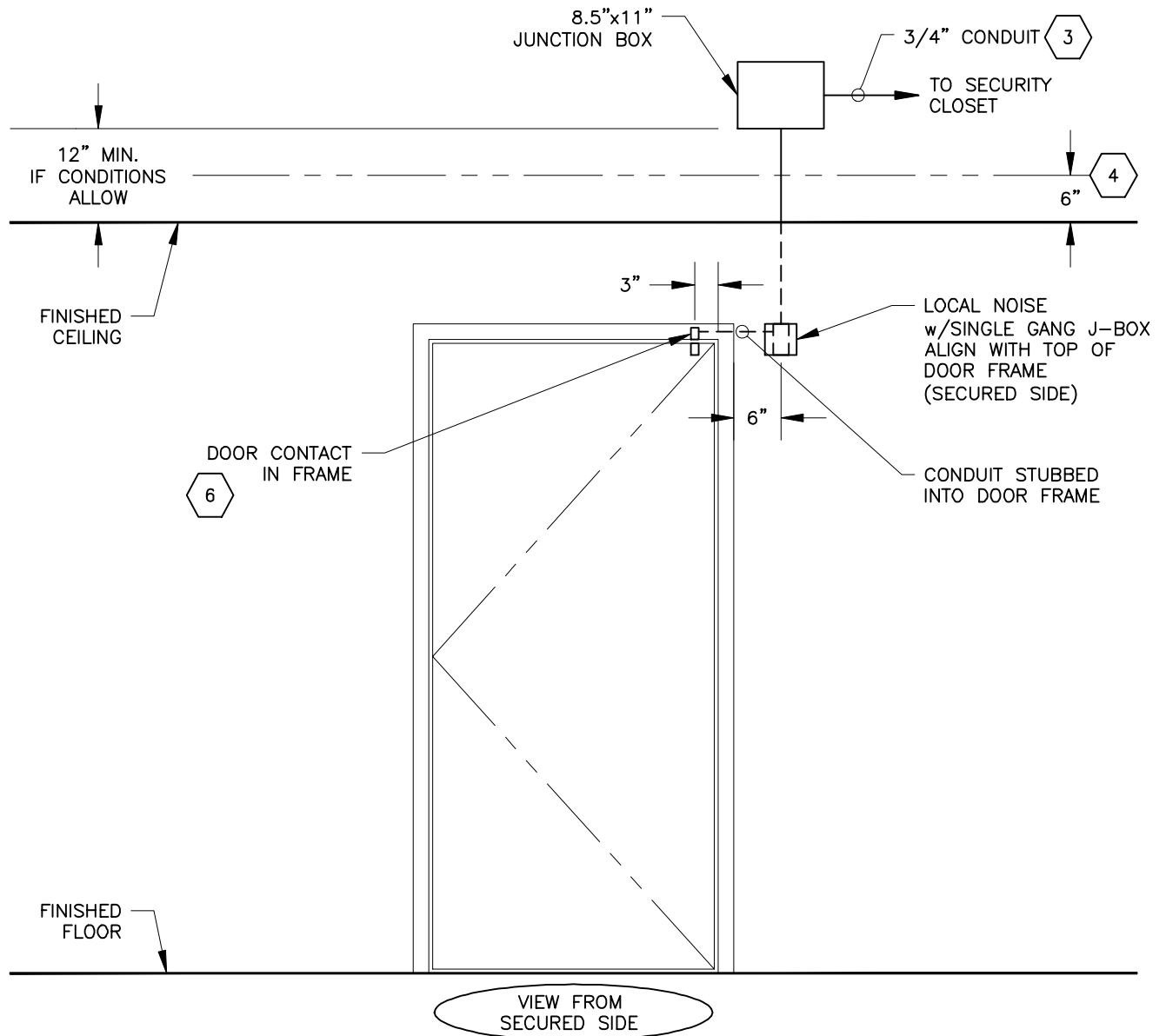
## LADDER NOTES

- 1 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 2 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND TERMINAL, COMMON GROUND.



SINGLE DOOR, ALARMED  
LOCAL NOISE

## DETAIL GA-5 ELEVATION



### NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.




3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.

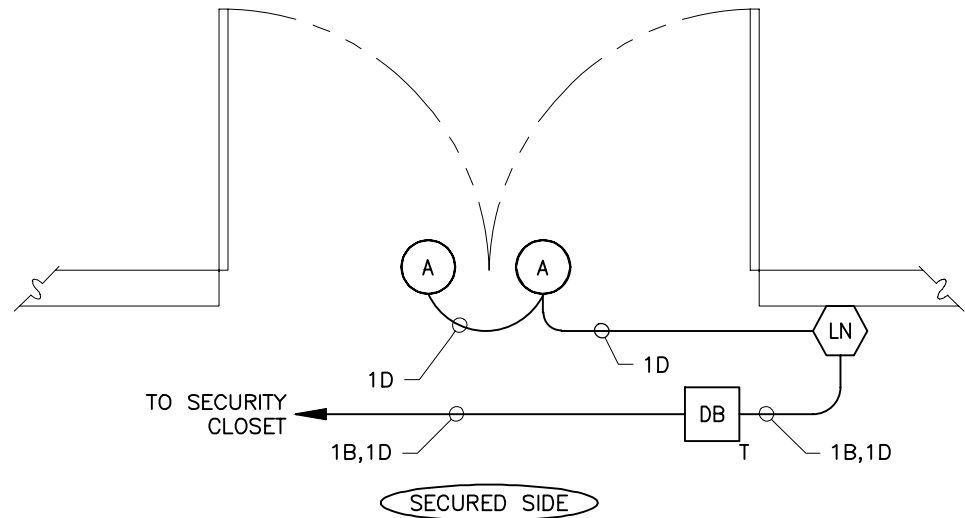
4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.

6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.



SYMBOLS LIST	
	ALARM CONTACT
	JUNCTION BOX w/ DOOR BOARD, T TAMPER
	LOCAL NOISE



#### OPERATION

IN THE NORMAL STATE, THE DOORS ARE CLOSED, LOCKED ON THE UNSECURED SIDE AND UNLOCKED ON THE SECURED SIDE. IF THE DOORS ARE OPENED, AN ALARM WILL BE GENERATED AND A LOCAL NOISE WILL SOUND. THE LOCAL NOISE WILL RESET WHEN THE DOOR IS CLOSED.

#### DIAGRAM NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
3. DOOR HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.



DOUBLE DOOR, ALARMED  
LOCAL NOISE

# DETAIL HA-2

## EQUIPMENT LIST

DOOR HARDWARE					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	2	INTERLOGIX – DOOR CONTACT	1078	B	1,2
2					

SECURITY EQUIPMENT					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	GENETEC – MERCURY, SINGLE READER DOOR BOARD. PoE	SY-MR51e	A	
2	1	LIFESAFETY POWER – 8.5"Hx11"Wx3"D ENCLOSURE, TAMPER SWITCH & KEYLOCK	E5M	A	3
3	AR	ESD – END OF LINE RESISTOR PACK	EOL-1K	C	
4	1	SYSTEM SENSOR – CHIME SOUNDER, WHITE, 24VDC	CHW	B	
5	1	SINGLE GANG BOX	–	D	
6	AR	PHOENIX – TERMINALS	UK-5	B	4
7	AR	PHOENIX – END CLAMP	E/NS 35 N	B	4
8	AR	PHOENIX – END COVER	D-UK 4/10	B	

### CODE INDEX

- |  |                          |
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| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT	CR		REX		CAM		KPD		OUTPUT	LOCK		MON		KPD		
LOADING	DSM	1	AUX		P/I		A/M		LOADING	AUX	1	P/I		A/M		

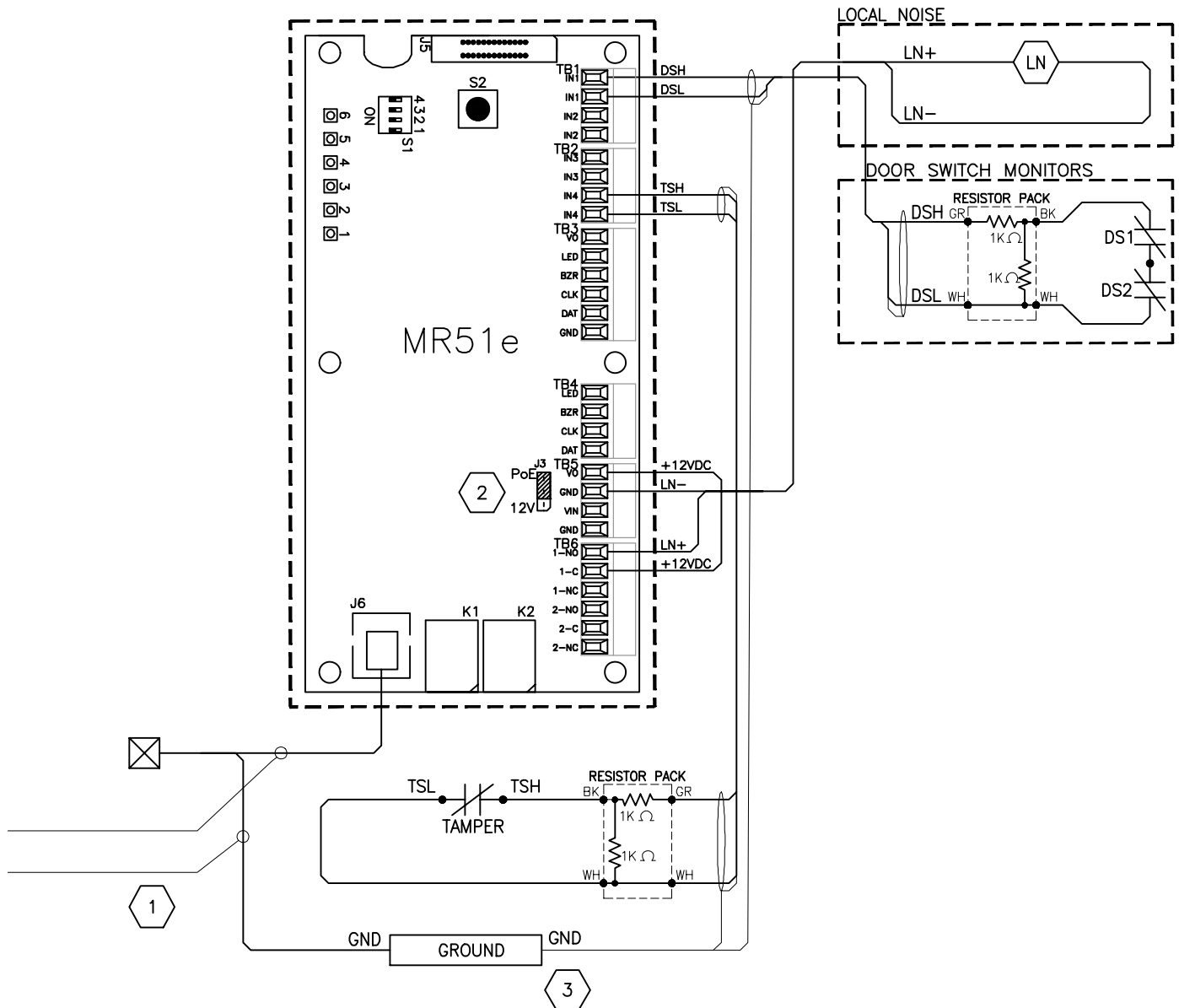
EQUIPMENT LIST NOTES	
1. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT. 2. FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES. 3. KEY ALIKE ALL JUNCTION BOXES. 4. PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.	



DOUBLE DOOR, ALARMED  
LOCAL NOISE

## DETAIL HA-3 POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:	SRB:	Address:



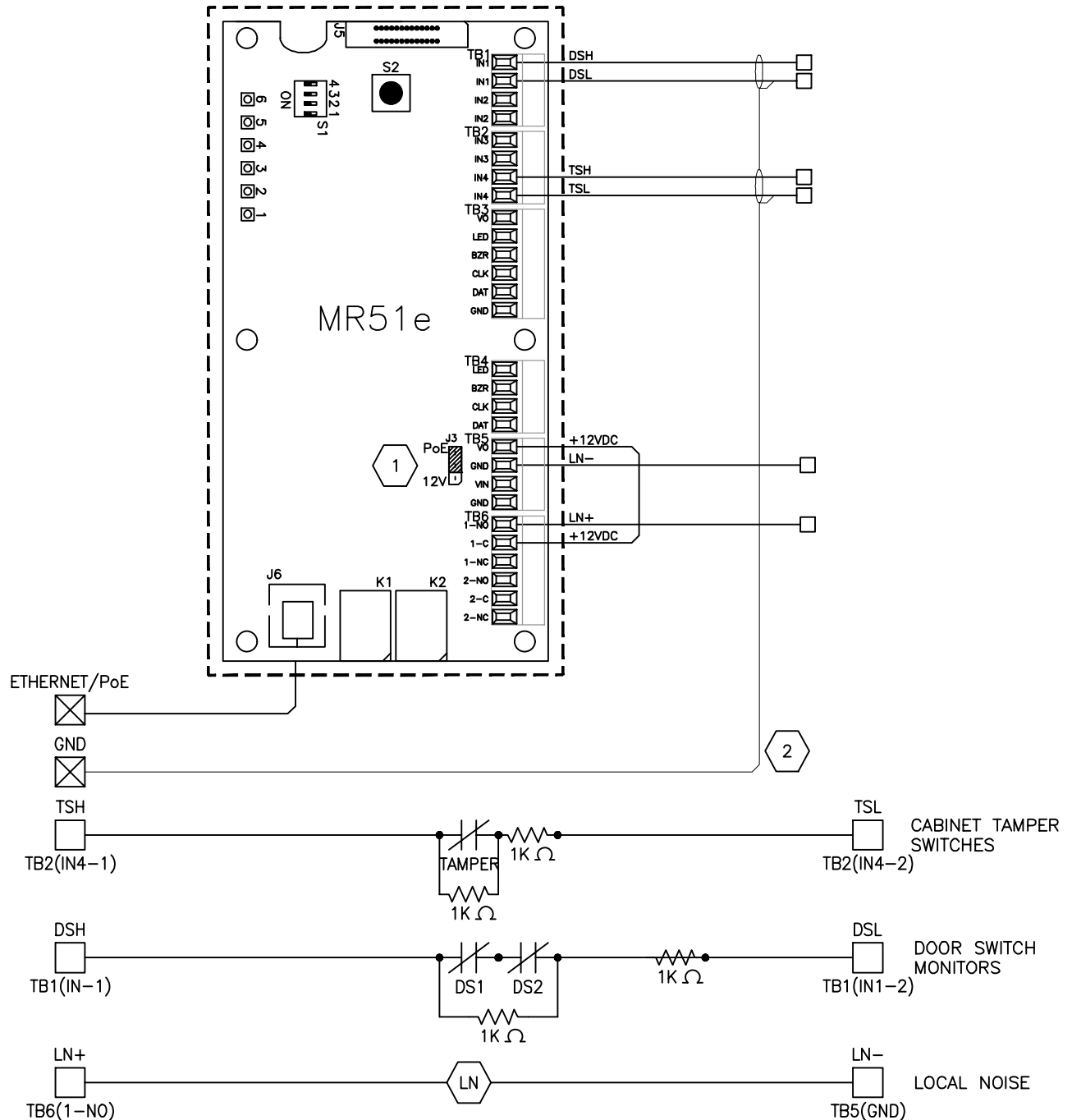
### POINT-TO-POINT NOTES

- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING SECURITY WIRE FORMAT.
- 2 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 3 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND TERMINAL, COMMON GROUND.



DOUBLE DOOR, ALARMED  
LOCAL NOISE

# DETAIL HA-4 LADDER



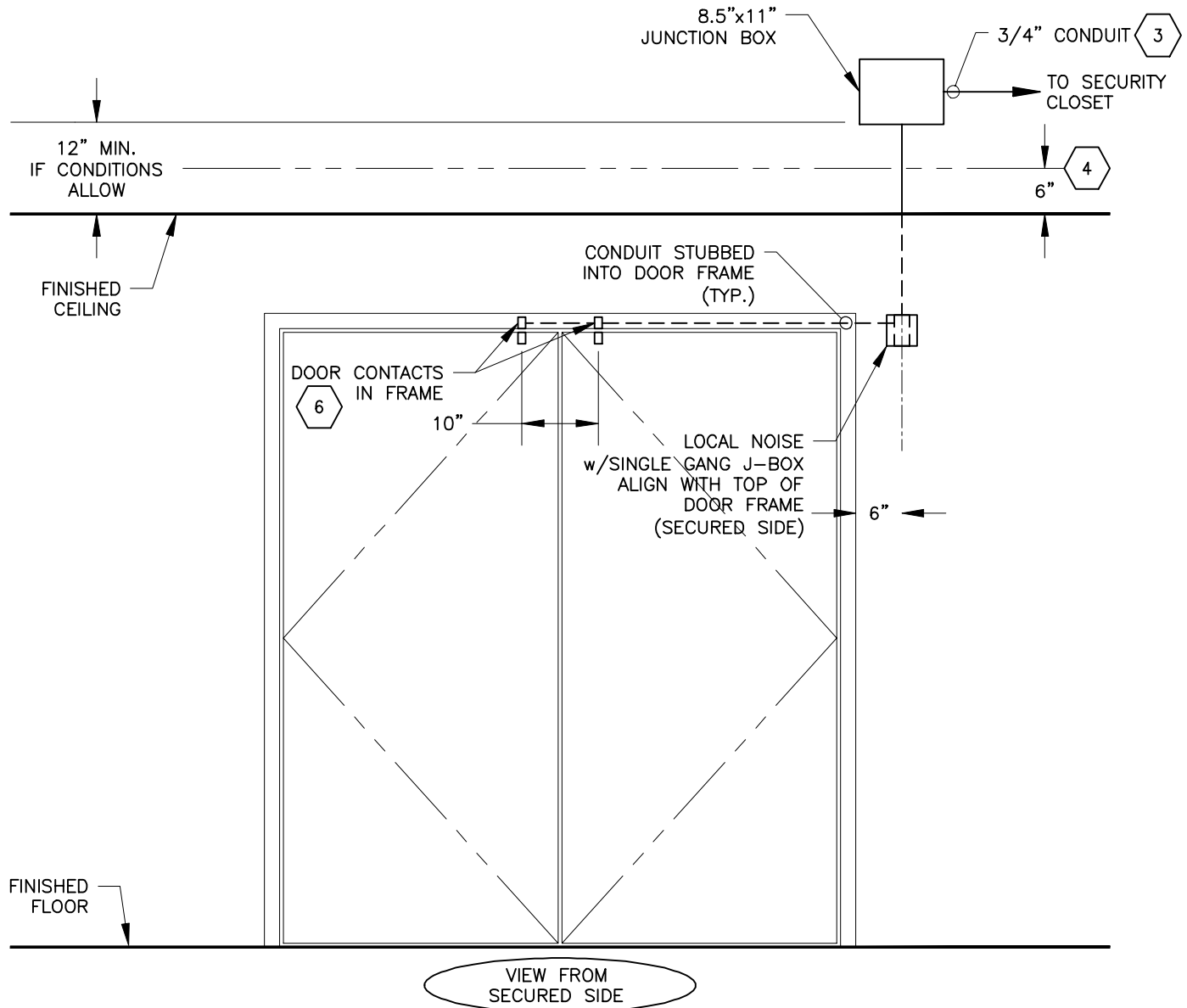
## LADDER NOTES

- 1 SET JUMPER J3 TO PoE FOR POWER INPUT.
- 2 TWIST DRAIN WIRES TOGETHER AND CONNECT TO GROUND TERMINAL, COMMON GROUND.



DOUBLE DOOR, ALARMED  
LOCAL NOISE

## DETAIL HA-5 ELEVATION



### NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
2. DIMENSIONS SHOWN FOR COORDINATION ONLY. EXACT LOCATIONS AND MOUNTING HEIGHTS TO BE FIELD COORDINATED WITH OWNER AND ARCHITECT.

3 IF PLENUM INSTALLATION, CONDUIT IS NOT REQUIRED FOR THIS CABLE RUN.

4 IF PLENUM INSTALLATION, STUB CONDUIT, w/PULL STRING, 6" ABOVE FINISHED CEILING.

5. ALL CONDUIT IS 1/2" UNLESS OTHERWISE NOTED.

6 FOR GROUTED DOOR FRAMES, PROVIDE CONDUIT INTO SPECIAL STEEL BOX OR STYROFOAM BLOCK TO FACILITATE BOTH INSTALLATION AND SERVICE.





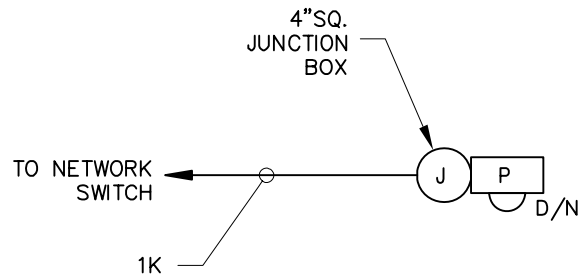


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT  
2 MEGAPIXEL, 3.6mm FIXED LENS  
IR ILLUMINATOR, IP66  
VANDAL RESISTANT FLAT CAMERA

## DETAIL KA-1

### DIAGRAM

SYMBOLS LIST	
	INTERIOR/EXTERIOR IP/PoE CAMERA, FIXED
	JUNCTION BOX



#### DIAGRAM NOTES

1. ETHERNET CABLE IS TO BE SPLICE FREE FROM THE CAMERA TO THE NETWORK SWITCH.
2. MOUNT JUNCTION BOX w/KEYSTONE JACK WITHIN 10' OF CAMERA MOUNT LOCATION. IF KEYSTONE JACK IS NOT PROVIDED, TERMINATE CABLE DIRECTLY TO THE CAMERA.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT  
2 MEGAPIXEL, 3.6mm FIXED LENS  
IR ILLUMINATOR, IP66  
VANDAL RESISTANT FLAT CAMERA

## DETAIL KA-2

### EQUIPMENT LIST

SECURITY EQUIPMENT						
	#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
SSU	1	1	SAMSUNG – IP/PoE CAMERA, DAY/NIGHT, FIXED, 2 MEGAPIXEL, 3.6mm FIXED LENS, H.264, 30 FPS @ MAX RESOLUTION, IR ILLUMINATOR, IP66 FLAT CAMERA	SNV-L6013R	B	1
	2	AR	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K-WT	B	
	3	AR	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	
	4	AR	CAT-6 PATCH CABLE, SNAGLESS CONNECTORS	–	B	2
	5	AR	4" SQ. JUNCTION BOX	–	C	

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR		REX		CAM	1	KPD		OUTPUT LOADING	LOCK		MON		KPD			
	DSM		AUX		P/I		A/M			AUX		P/I		A/M			

#### EQUIPMENT LIST NOTES

- SSU – CAMERA AND HOUSING KIT, SURFACE MOUNT.
- PATCH CABLE LENGTH TO BE DETERMINED IN FIELD BASED ON MOUNTING REQUIREMENTS.

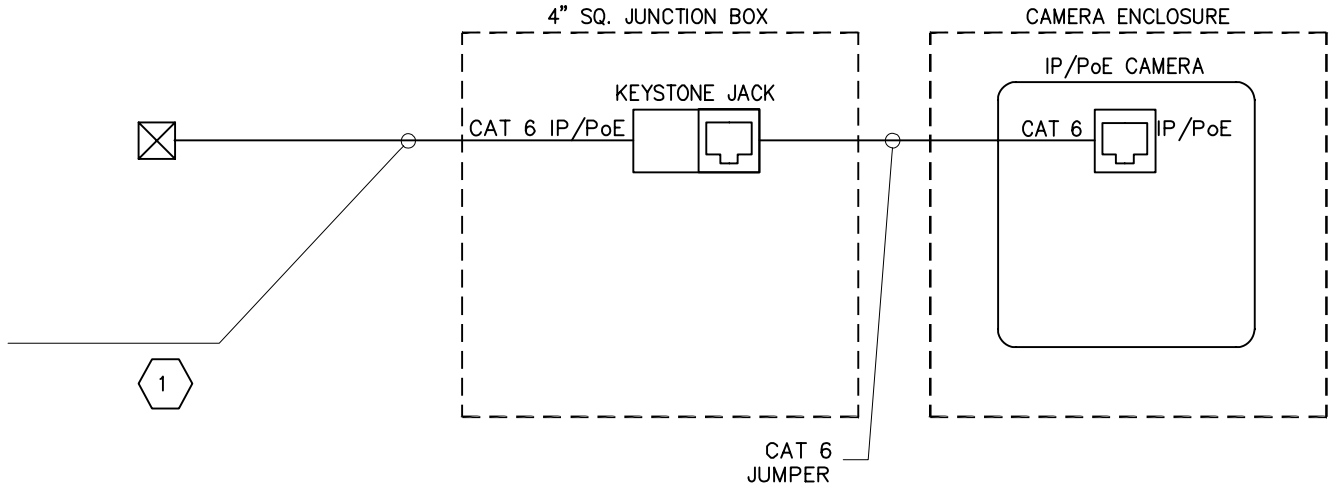


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT  
2 MEGAPIXEL, 3.6mm FIXED LENS  
IR ILLUMINATOR, IP66  
VANDAL RESISTANT FLAT CAMERA

## DETAIL KA-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



#### POINT-TO-POINT NOTES

1

TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING 00.05.501-505.

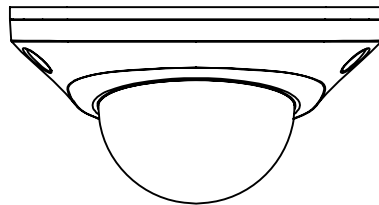


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT  
2 MEGAPIXEL, 3.6mm FIXED LENS  
IR ILLUMINATOR, IP66  
VANDAL RESISTANT FLAT CAMERA

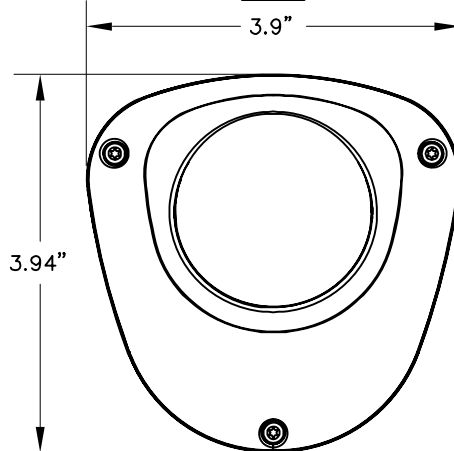
## DETAIL KA-5

### ELEVATION

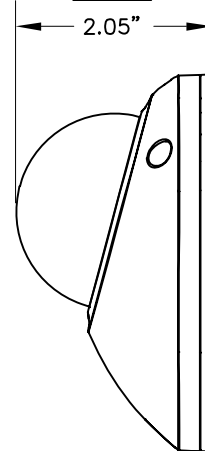
CEILING MOUNT PROFILE



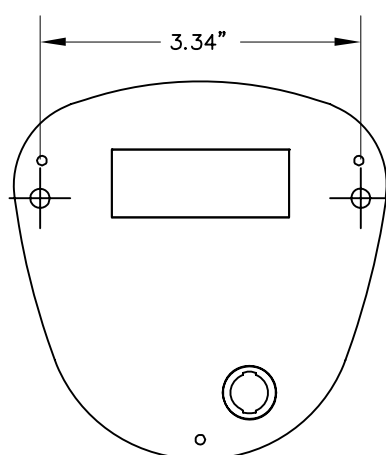
FRONT



PROFILE



BACK





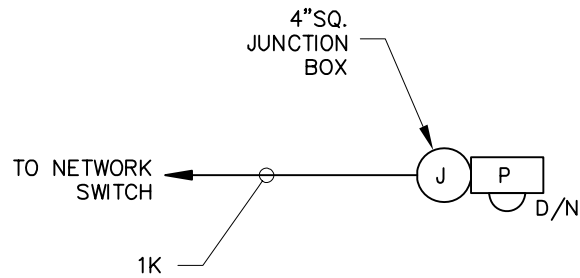


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KB-1

### DIAGRAM

SYMBOLS LIST	
	INTERIOR/EXTERIOR IP/PoE CAMERA, D/N FIXED, DOME, IP66
	JUNCTION BOX



#### DIAGRAM NOTES

1. ETHERNET CABLE IS TO BE SPLICE FREE FROM THE CAMERA TO THE NETWORK SWITCH.
2. MOUNT JUNCTION BOX w/KEYSTONE JACK WITHIN 10' OF CAMERA MOUNT LOCATION. IF KEYSTONE JACK IS NOT PROVIDED, TERMINATE CABLE DIRECTLY TO THE CAMERA.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KB-2

### EQUIPMENT LIST

SECURITY EQUIPMENT						
	#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
SSU	1	1	SAMSUNG – IP/PoE CAMERA, DAY/NIGHT, FIXED, 2 MEGAPIXEL, 3-8.5(2.8x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, H.264, 60 FPS @ MAX RESOLUTION, IP66, DOME	SNV-6084R	B	1
	2	AR	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K-WT	B	3
	3	AR	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	3
	4	AR	CAT-6 PATCH CABLE, SNAGLESS CONNECTORS	–	B	2
	5	AR	4" SQ. JUNCTION BOX	–	C	3
SFM	6	AR	SAMSUNG – IN-CEILING FLUSH MOUNT ADAPTER	SHD-3000F1	B	1
SP	7	AR	SAMSUNG – PENDANT CAP	SBP-300HM6	B	1
SWM	8	AR	SAMSUNG – WALL MOUNT BRACKET	SBP-300WM1	B	1
SPP	9	AR	SAMSUNG – PARAPET MOUNT ADAPTER	SBP-300LM	B	1,3
	10	AR	L-COM – CAT6, IEEE 802.11af/at LIGHTNING AND SURGE PROTECTOR FOR PoE	ALS-CAT6HPW	B	3
SPD	11	AR	SAMSUNG – PENDANT MOUNT ADAPTER	SBP-300CM	B	1
SCM	12	AR	SAMSUNG – CORNER MOUNT ADAPTER	SBP-300KM	B	1
SPM	13	AR	SAMSUNG – POLE MOUNT ADAPTER	SBP-300PM	B	1

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	REX	CAM	1	KPD	OUTPUT LOADING	LOCK	MON	KPD			
	DSM	AUX	P/I		A/M		AUX	P/I	A/M			

#### EQUIPMENT LIST NOTES

- SSU – CAMERA AND HOUSING KIT, SURFACE MOUNT  
SFM – IN-CEILING FLUSH MOUNT ADAPTER (ADD SSU)  
SWM – WALL MOUNT BRACKET (ADD SP AND SSU)  
SPP – PARAPET MOUNT ADAPTER (ADD SP AND SSU)  
SPD – PENDANT MOUNT ADAPTER (ADD SP AND SSU)  
SCM – CORNER MOUNT ADAPTER (ADD SP SGW AND SSU)  
SPM – POLE MOUNT ADAPTER (ADD SP, SGW AND SSU), METAL STRAPPING REQUIRED TO MOUNT ADAPTER TO POLE
- PATCH CABLE LENGTH TO BE DETERMINED IN FIELD BASED ON MOUNTING REQUIREMENTS.
- USE PoE LIGHTNING PROTECTION WITH PARAPET MOUNT, OMIT LINE ITEMS 3,4, AND 6 WHEN PARAPET MOUNT IS REQUIRED.

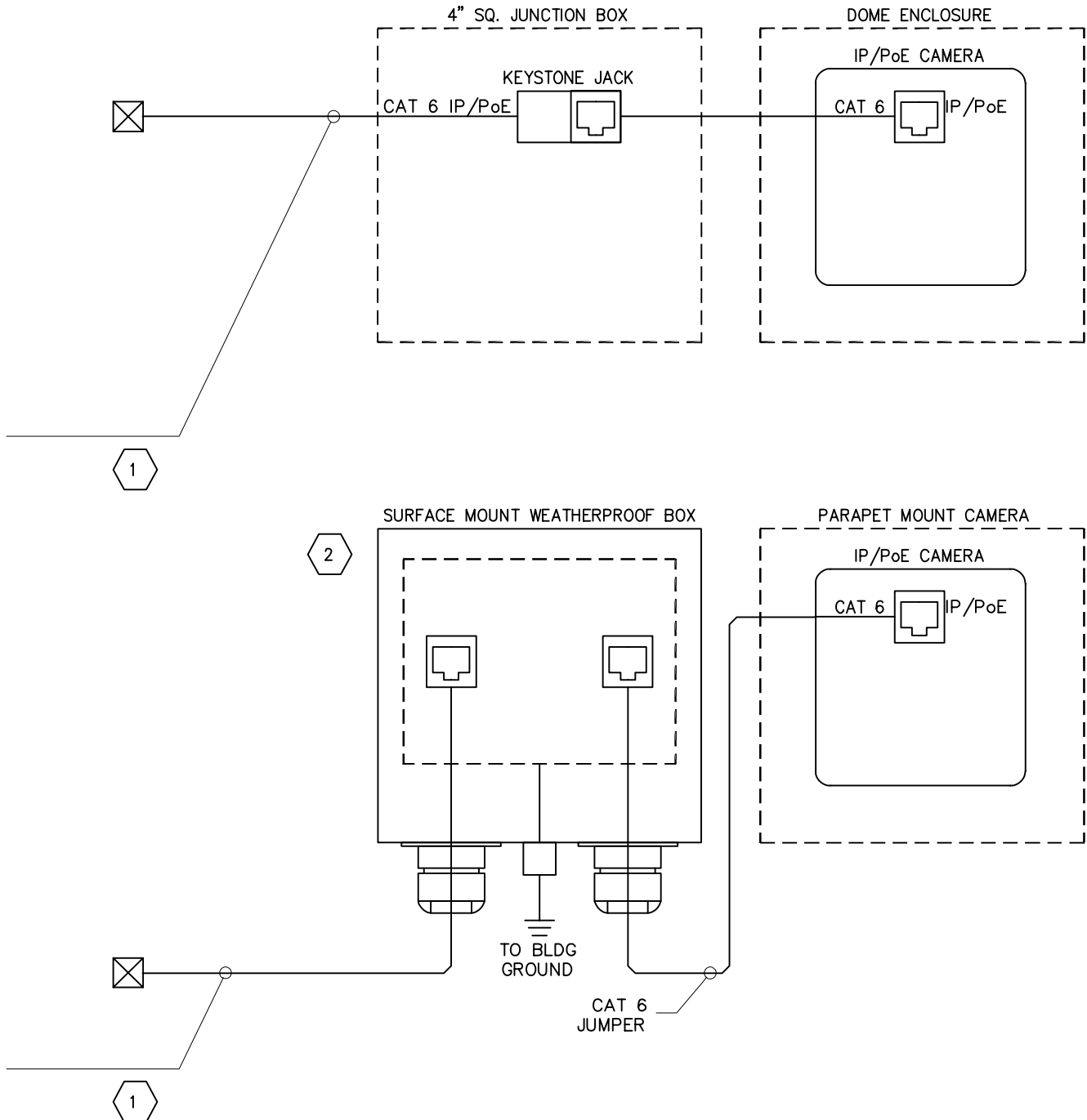


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KB-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



#### POINT-TO-POINT NOTES

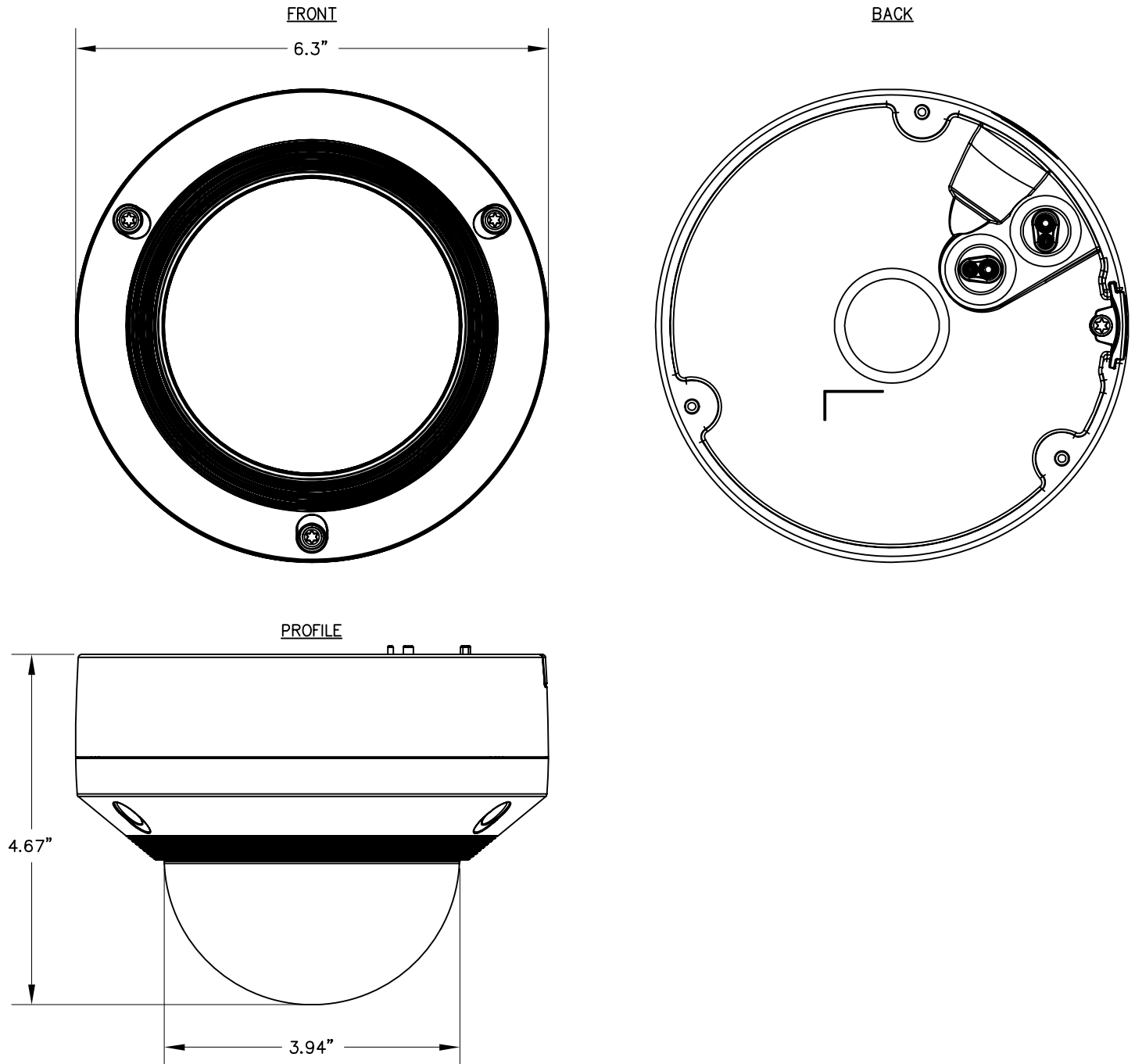
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING WIRE MARKING FORMAT.
- 2 ALTERNATE WIRING FOR PARAPET MOUNT CAMERA WITH LIGHTNING AND SURGE PROTECTION.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KB-5

### ELEVATION







INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
2 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KB-6

### LITERATURE



	<u>S</u> AMSUNG		<u>S</u> AMSUNG
<u>F</u> LUSH <u>M</u> OUNT		<u>P</u> ENDANT	
<u>W</u> ALL <u>M</u> OUNT		<u>P</u> ARAPET <u>P</u>	
<u>P</u> ENDANT <u>M</u> OUNT		<u>C</u> CORNER <u>M</u> OUNT	
<u>P</u> OLE <u>M</u> OUNT			

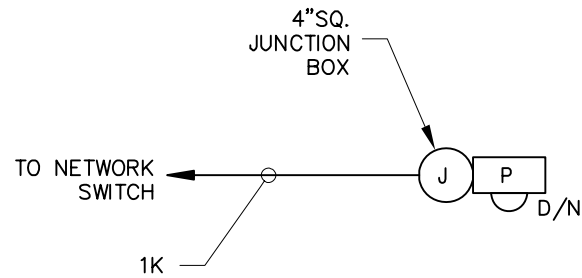


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KC-1

### DIAGRAM

SYMBOLS LIST	
	INTERIOR/EXTERIOR IP/PoE CAMERA, D/N FIXED, DOME, IP66
	JUNCTION BOX



#### DIAGRAM NOTES

1. ETHERNET CABLE IS TO BE SPLICE FREE FROM THE CAMERA TO THE NETWORK SWITCH.
2. MOUNT JUNCTION BOX w/KEYSTONE JACK WITHIN 10' OF CAMERA MOUNT LOCATION. IF KEYSTONE JACK IS NOT PROVIDED, TERMINATE CABLE DIRECTLY TO THE CAMERA.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KC-2 EQUIPMENT LIST

SECURITY EQUIPMENT						
	#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
SSU	1	1	SAMSUNG – IP/PoE CAMERA, DAY/NIGHT, FIXED, 3 MEGAPIXEL, 3-8.5(2.8x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, H.264, 30 FPS @ MAX RESOLUTION, IP66, DOME	SNV-7084R	B	1
	2	AR	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K-WT	B	3
	3	AR	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	3
	4	AR	CAT-6 PATCH CABLE, SNAGLESS CONNECTORS	–	B	2
	5	AR	4" SQ. JUNCTION BOX	–	C	3
SFM	6	AR	SAMSUNG – IN-CEILING FLUSH MOUNT ADAPTER	SHD-3000F1	B	1
SP	7	AR	SAMSUNG – PENDANT CAP	SBP-300HM6	B	1
SWM	8	AR	SAMSUNG – WALL MOUNT BRACKET	SBP-300WM1	B	1
SPP	9	AR	SAMSUNG – PARAPET MOUNT ADAPTER	SBP-300LM	B	1,3
	10	AR	L-COM – CAT6, IEEE 802.11af/at LIGHTNING AND SURGE PROTECTOR FOR PoE	ALS-CAT6HPW	B	3
SPD	11	AR	SAMSUNG – PENDANT MOUNT ADAPTER	SBP-300CM	B	1
SCM	12	AR	SAMSUNG – CORNER MOUNT ADAPTER	SBP-300KM	B	1
SPM	13	AR	SAMSUNG – POLE MOUNT ADAPTER	SBP-300PM	B	1

### CODE INDEX

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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	REX	CAM	1	KPD	OUTPUT LOADING	LOCK	MON	KPD			
	DSM	AUX	P/I		A/M		AUX	P/I	A/M			

### EQUIPMENT LIST NOTES

- SSU – CAMERA AND HOUSING KIT, SURFACE MOUNT  
SFM – IN-CEILING FLUSH MOUNT ADAPTER (ADD SSU)  
SWM – WALL MOUNT BRACKET (ADD SP AND SSU)  
SPP – PARAPET MOUNT ADAPTER (ADD SP AND SSU)  
SPD – PENDANT MOUNT ADAPTER (ADD SP AND SSU)  
SCM – CORNER MOUNT ADAPTER (ADD SP SGW AND SSU)  
SPM – POLE MOUNT ADAPTER (ADD SP, SGW AND SSU), METAL STRAPPING REQUIRED TO MOUNT ADAPTER TO POLE
- PATCH CABLE LENGTH TO BE DETERMINED IN FIELD BASED ON MOUNTING REQUIREMENTS.
- USE PoE LIGHTNING PROTECTION WITH PARAPET MOUNT, OMIT LINE ITEMS 3,4, AND 6 WHEN PARAPET MOUNT IS REQUIRED.

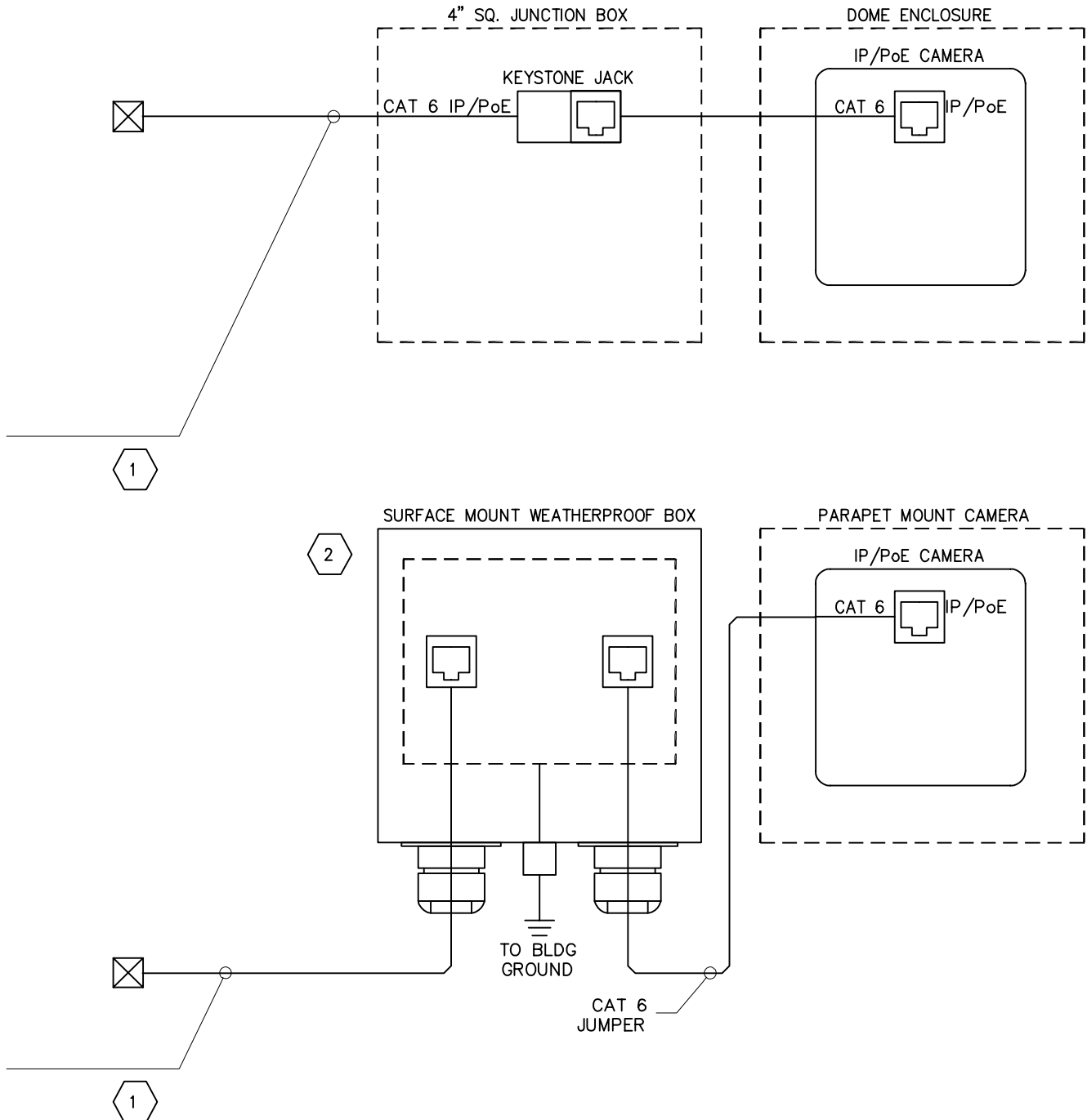


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KC-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



#### POINT-TO-POINT NOTES

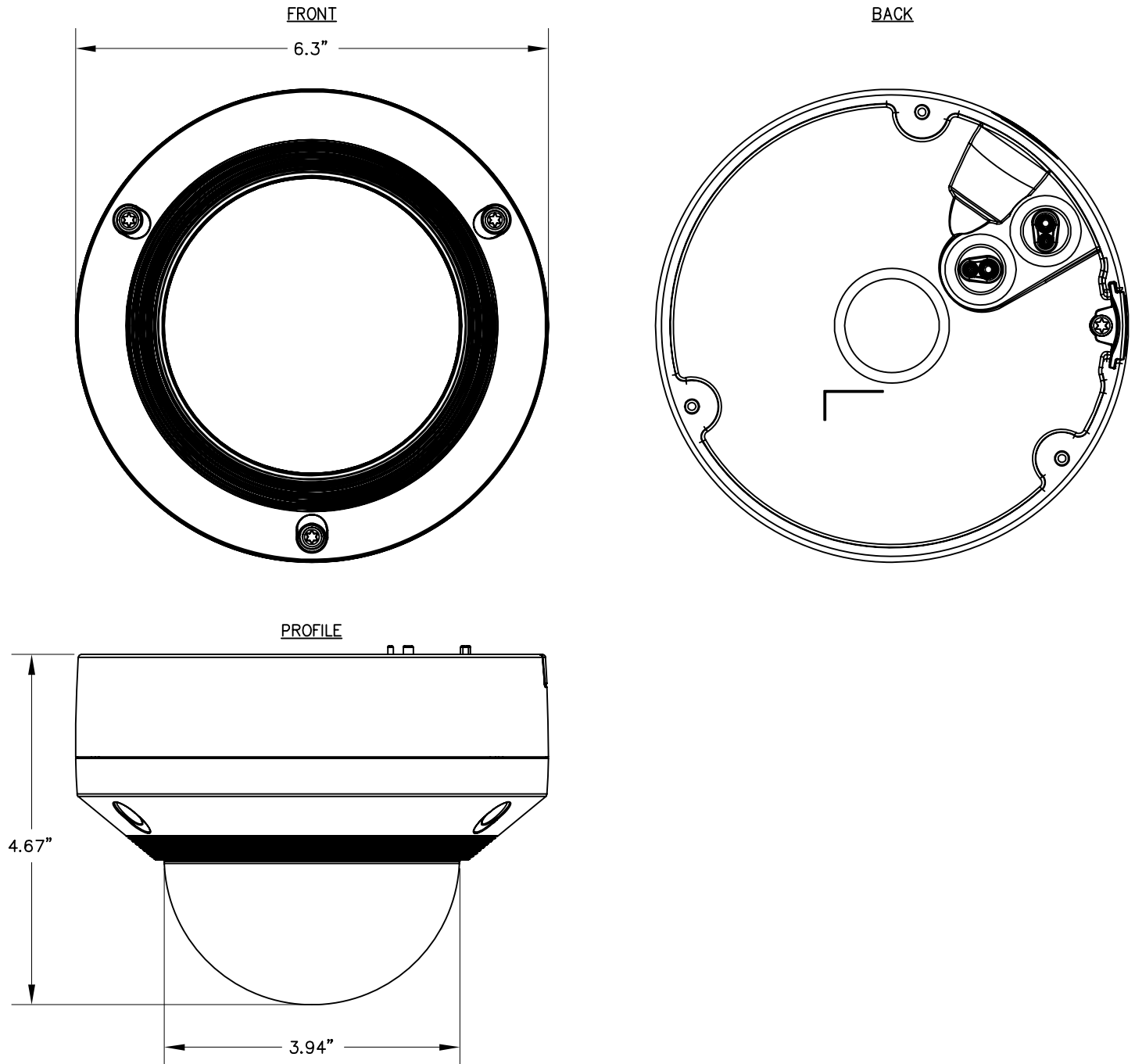
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING WIRE MARKING FORMAT.
- 2 ALTERNATE WIRING FOR PARAPET MOUNT CAMERA WITH LIGHTNING AND SURGE PROTECTION.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KC-5

### ELEVATION





INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
3 MEGAPIXEL, 3-8.5mm (2.8x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KC-6

### LITERATURE



	<u>S</u> AMSUNG		<u>S</u> AMSUNG
<u>F</u> LUSH <u>M</u> OUNT		<u>P</u> ENDANT	
<u>W</u> ALL <u>M</u> OUNT		<u>P</u> ARAPET <u>P</u>	
<u>P</u> ENDANT <u>M</u> OUNT		<u>C</u> CORNER <u>M</u> OUNT	
<u>P</u> OLE <u>M</u> OUNT			

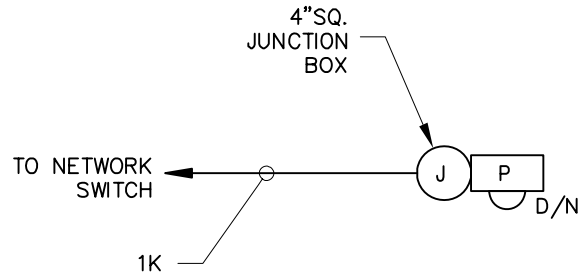


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
5 MEGAPIXEL, 3.93-9.4mm (2.4x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KD-1

### DIAGRAM

SYMBOLS LIST	
	INTERIOR/EXTERIOR IP/PoE CAMERA, D/N FIXED, DOME, IP66
	JUNCTION BOX



#### DIAGRAM NOTES

1. ETHERNET CABLE IS TO BE SPLICE FREE FROM THE CAMERA TO THE NETWORK SWITCH.
2. MOUNT JUNCTION BOX w/KEYSTONE JACK WITHIN 10' OF CAMERA MOUNT LOCATION. IF KEYSTONE JACK IS NOT PROVIDED, TERMINATE CABLE DIRECTLY TO THE CAMERA.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
5 MEGAPIXEL, 3.93-9.4mm (2.4x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KD-2

### EQUIPMENT LIST

SECURITY EQUIPMENT						
	#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
SSU	1	1	SAMSUNG – IP/PoE CAMERA, DAY/NIGHT, FIXED, 5 MEGAPIXEL, 3.93–9.4mm(2.8x) MOTORIZED VARI-FOCAL LENS, IR ILLUMINATOR, H.264, 30 FPS @ MAX RESOLUTION, IP66, DOME	SNV-8081R	B	1
	2	AR	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K-WT	B	3
	3	AR	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	3
	4	AR	CAT-6 PATCH CABLE, SNAGLESS CONNECTORS	–	B	2
	5	AR	4" SQ. JUNCTION BOX	–	C	3
SFM	6	AR	SAMSUNG – IN-CEILING FLUSH MOUNT ADAPTER	SHD-3000F1	B	1
SP	7	AR	SAMSUNG – PENDANT CAP	SBP-300HM6	B	1
SWM	8	AR	SAMSUNG – WALL MOUNT BRACKET	SBP-300WM1	B	1
SPP	9	AR	SAMSUNG – PARAPET MOUNT ADAPTER	SBP-300LM	B	1,3
	10	AR	L-COM – CAT6, IEEE 802.11af/at LIGHTNING AND SURGE PROTECTOR FOR PoE	ALS-CAT6HPW	B	3
SPD	11	AR	SAMSUNG – PENDANT MOUNT ADAPTER	SBP-300CM	B	1
SCM	12	AR	SAMSUNG – CORNER MOUNT ADAPTER	SBP-300KM	B	1
SPM	13	AR	SAMSUNG – POLE MOUNT ADAPTER	SBP-300PM	B	1

#### CODE INDEX

- |  |                          |
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	REX	CAM	1	KPD	OUTPUT LOADING	LOCK	MON	KPD			
	DSM	AUX	P/I		A/M		AUX	P/I	A/M			

#### EQUIPMENT LIST NOTES

- SSU – CAMERA AND HOUSING KIT, SURFACE MOUNT  
SFM – IN-CEILING FLUSH MOUNT ADAPTER (ADD SSU)  
SWM – WALL MOUNT BRACKET (ADD SP AND SSU)  
SPP – PARAPET MOUNT ADAPTER (ADD SP AND SSU)  
SPD – PENDANT MOUNT ADAPTER (ADD SP AND SSU)  
SCM – CORNER MOUNT ADAPTER (ADD SP SGW AND SSU)  
SPM – POLE MOUNT ADAPTER (ADD SP, SGW AND SSU), METAL STRAPPING REQUIRED TO MOUNT ADAPTER TO POLE
- PATCH CABLE LENGTH TO BE DETERMINED IN FIELD BASED ON MOUNTING REQUIREMENTS.
- USE PoE LIGHTNING PROTECTION WITH PARAPET MOUNT, OMIT LINE ITEMS 3,4, AND 6 WHEN PARAPET MOUNT IS REQUIRED.



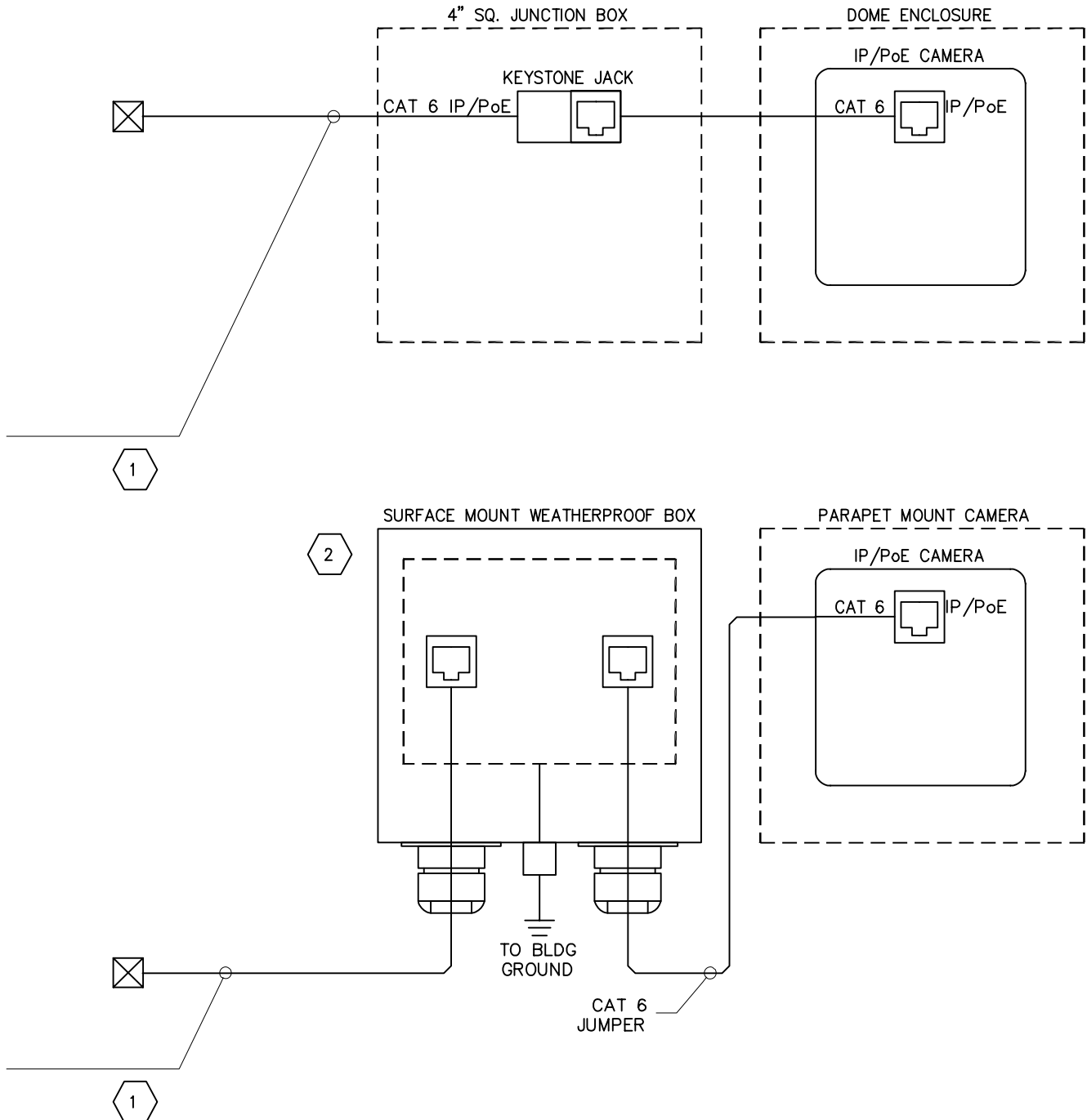


INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
5 MEGA PIXEL, 3.93-9.4mm (2.4x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KD-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



#### POINT-TO-POINT NOTES

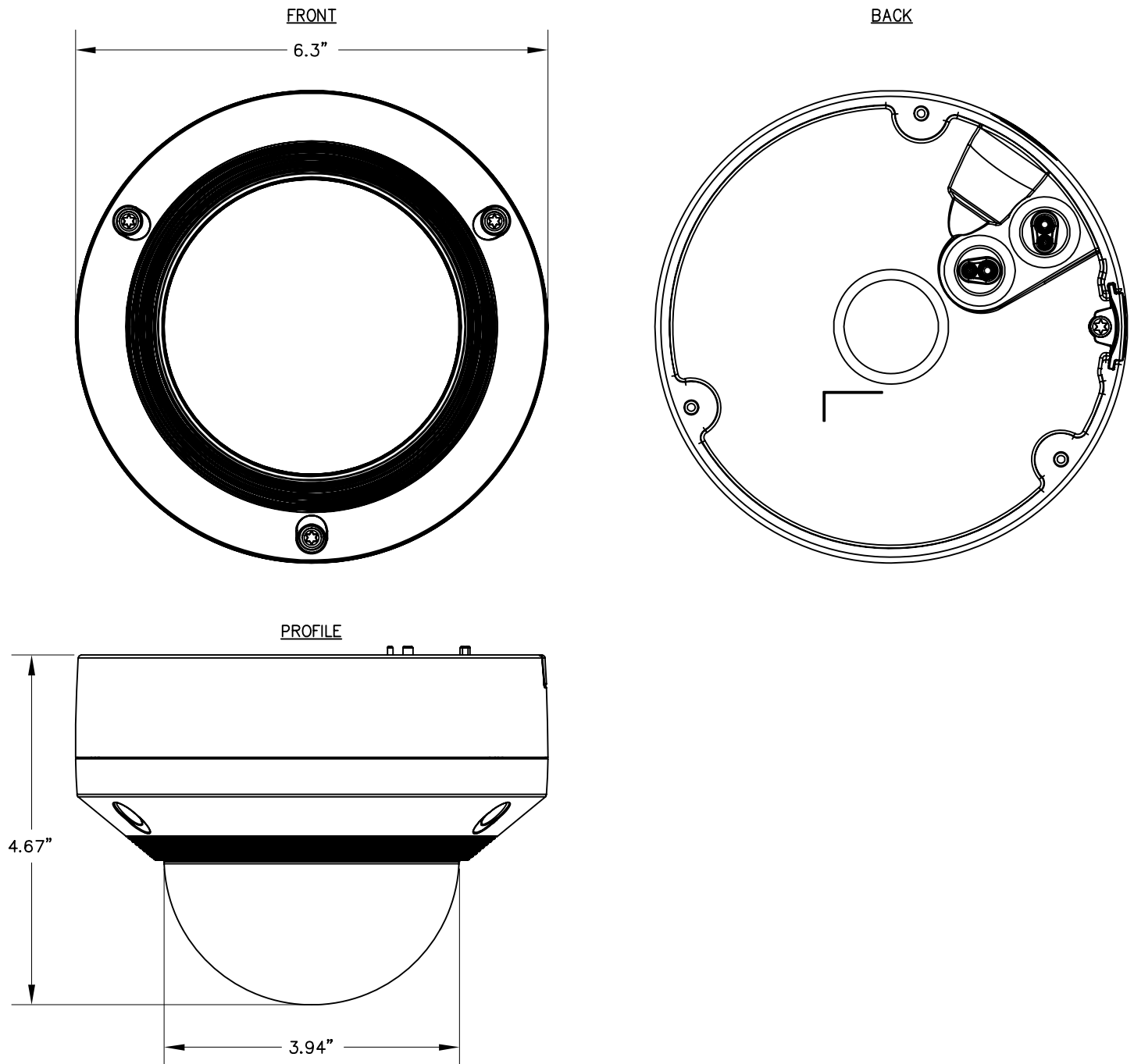
- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING WIRE MARKING FORMAT.
- 2 ALTERNATE WIRING FOR PARAPET MOUNT CAMERA WITH LIGHTNING AND SURGE PROTECTION.



INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
5 MEGAPIXEL, 3.93-9.4mm (2.4x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KD-5

### ELEVATION





INTERIOR/EXTERIOR, IP/PoE CAMERA, DAY/NIGHT, FIXED  
5 MEGA PIXEL, 3.93-9.4mm (2.4x) MOTORIZED  
VARI-FOCAL LENS, IR ILLUMINATOR  
IP66 VANDAL RESISTANT DOME

## DETAIL KD-6

### LITERATURE



	<u>S</u> AMSUNG		<u>S</u> AMSUNG
<u>F</u> LUSH <u>M</u> OUNT		<u>P</u> ENDANT	
<u>W</u> ALL <u>M</u> OUNT		<u>P</u> ARAPET <u>P</u>	
<u>P</u> ENDANT <u>M</u> OUNT		<u>C</u> CORNER <u>M</u> OUNT	
<u>P</u> OLE <u>M</u> OUNT			

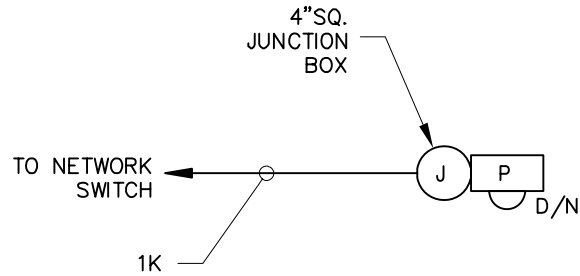


INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT  
FIXED 5 MEGAPIXEL, 1.14mm FIXED LENS  
IP66 VANDAL RESISTANT DOME

## DETAIL KM-1

### DIAGRAM

SYMBOLS LIST	
	INTERIOR/EXTERIOR IP/PoE 360° CAMERA, FIXED, DOME, IP66
	JUNCTION BOX



#### DIAGRAM NOTES

1. ETHERNET CABLE IS TO BE SPLICE FREE FROM THE CAMERA TO THE NETWORK SWITCH.
2. MOUNT JUNCTION BOX w/KEYSTONE JACK WITHIN 10' OF CAMERA MOUNT LOCATION. IF KEYSTONE JACK IS NOT PROVIDED, TERMINATE CABLE DIRECTLY TO THE CAMERA.



INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT  
FIXED 5 MEGAPIXEL, 1.14mm FIXED LENS  
IP66 VANDAL RESISTANT DOME

## DETAIL KM-2

### EQUIPMENT LIST

SECURITY EQUIPMENT						
	#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
SSU	1	1	SAMSUNG – IP/PoE 360° CAMERA, DAY/NIGHT, FIXED, 5 MEGAPIXEL, 1.14mm FIXED LENS, H.264, 30 FPS @ MAX RESOLUTION, IP66, DOME	SNF-8010VM	B	1
	2	AR	L-COM – SURFACE MOUNT BOX FOR 1 KEYSTONE JACK	SMB01K-WT	B	3
	3	AR	L-COM – CAT-6 KEYSTONE JACK, BLACK	MJS110C6-BLK	B	3
	4	AR	CAT-6 PATCH CABLE, SNAGLESS CONNECTORS	–	B	2
	5	AR	4" SQ. JUNCTION BOX	–	C	3
STM	6	AR	SAMSUNG – TILT ANGLE WALL MOUNT ADAPTER	SHD-300TM1	B	1
SP	7	AR	SAMSUNG – PENDANT CAP	SBP-300HM5	B	1
SWM	8	AR	SAMSUNG – WALL MOUNT BRACKET	SBP-300WM1	B	1
SPP	9	AR	SAMSUNG – PARAPET MOUNT ADAPTER	SBP-300LM	B	1,3
	10	AR	L-COM – CAT6, IEEE 802.11af/at LIGHTNING AND SURGE PROTECTOR FOR PoE	ALS-CAT6HPW	B	3
SPD	11	AR	SAMSUNG – PENDANT MOUNT ADAPTER	SBP-300CM	B	1
SCM	12	AR	SAMSUNG – CORNER MOUNT ADAPTER	SBP-300KM	B	1
SPM	13	AR	SAMSUNG – POLE MOUNT ADAPTER	SBP-300PM	B	1

#### CODE INDEX

- |  |                          |
|--|--------------------------|
| A) BY SECURITY CONTRACTOR, NO SUBSTITUTE     | D) BY GENERAL CONTRACTOR |
| B) BY SECURITY CONTRACTOR, OR APPROVED EQUAL | E) BY OWNER              |
| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT	CR	REX	CAM	1	KPD	OUTPUT	LOCK	MON	KPD				
LOADING	DSM	AUX	P/I		A/M	LOADING	AUX	P/I	A/M				

#### EQUIPMENT LIST NOTES

- SSU – CAMERA AND HOUSING KIT, SURFACE MOUNT  
STM – TILT ANGLE WALL MOUNT ADAPTER (ADD SSU)  
SWM – WALL MOUNT BRACKET (ADD SP AND SSU)  
SPP – PARAPET MOUNT ADAPTER (ADD SP AND SSU)  
SPD – PENDANT MOUNT ADAPTER (ADD SP AND SSU)  
SCM – CORNER MOUNT ADAPTER (ADD SP SGW AND SSU)  
SPM – POLE MOUNT ADAPTER (ADD SP, SGW AND SSU), METAL STRAPPING REQUIRED TO MOUNT ADAPTER TO POLE
- PATCH CABLE LENGTH TO BE DETERMINED IN FIELD BASED ON MOUNTING REQUIREMENTS.
- USE PoE LIGHTNING PROTECTION WITH PARAPET MOUNT, OMIT LINE ITEMS 3,4, AND 6 WHEN PARAPET MOUNT IS REQUIRED.

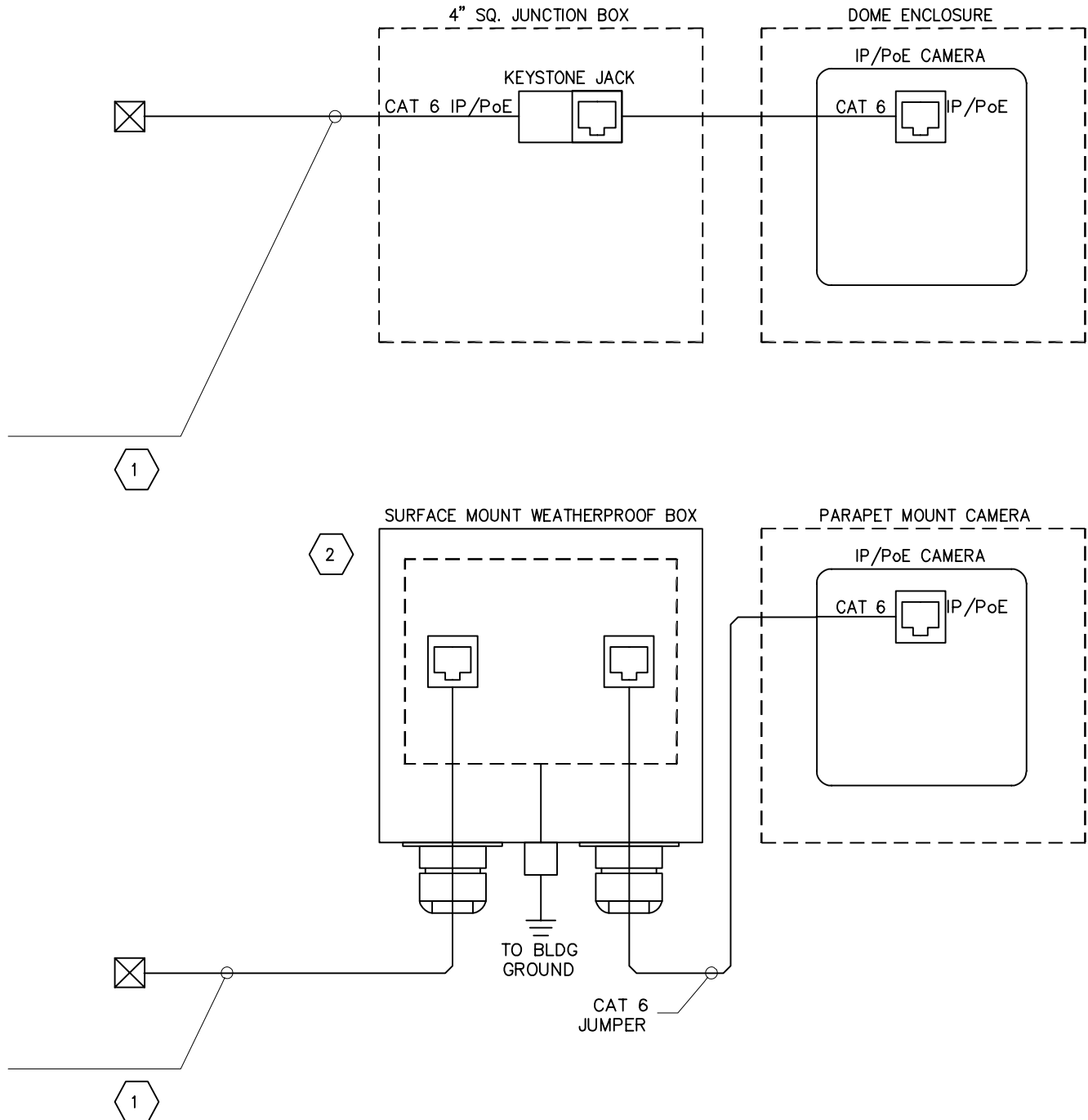


INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT  
FIXED 5 MEGAPIXEL, 1.14mm FIXED LENS  
IP66 VANDAL RESISTANT DOME

## DETAIL KM-3

### POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



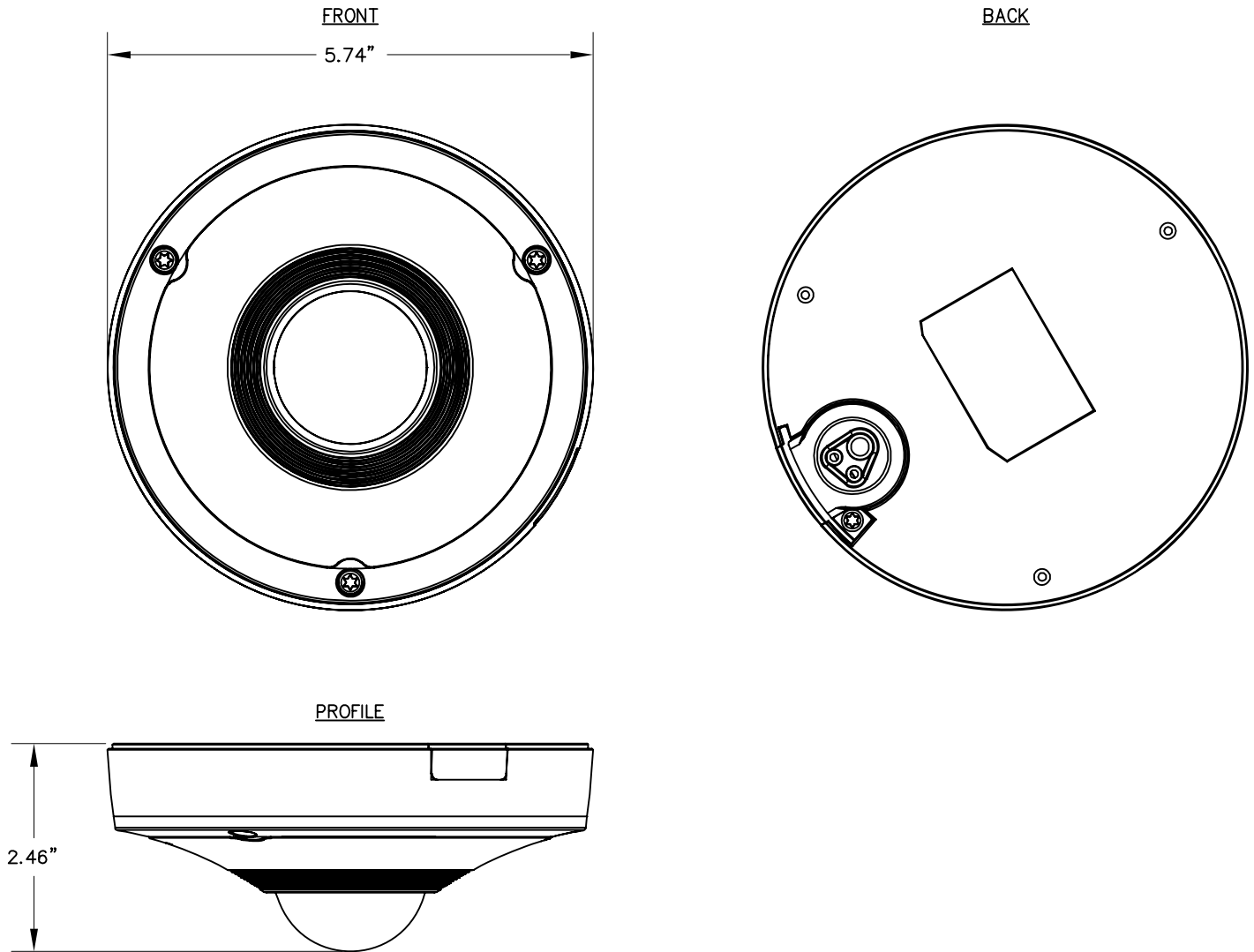
#### POINT-TO-POINT NOTES

- 1 TAG CABLE WITH CODE AND NUMBER SPECIFIC TO THIS POINT PER PLAN AND SCHEDULE. TAG INDIVIDUAL WIRES AS SHOWN. REFERENCE STANDARD CRITERIA DRAWING WIRE MARKING FORMAT.
- 2 ALTERNATE WIRING FOR PARAPET MOUNT CAMERA WITH LIGHTNING AND SURGE PROTECTION.



INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT  
FIXED 5 MEGAPIXEL, 1.14mm FIXED LENS  
IP66 VANDAL RESISTANT DOME

## DETAIL KM-5 ELEVATION





INTERIOR/EXTERIOR, IP/PoE 360° CAMERA, DAY/NIGHT  
FIXED 5 MEGAPIXEL, 1.14mm FIXED LENS  
IP66 VANDAL RESISTANT DOME

## DETAIL KM-6

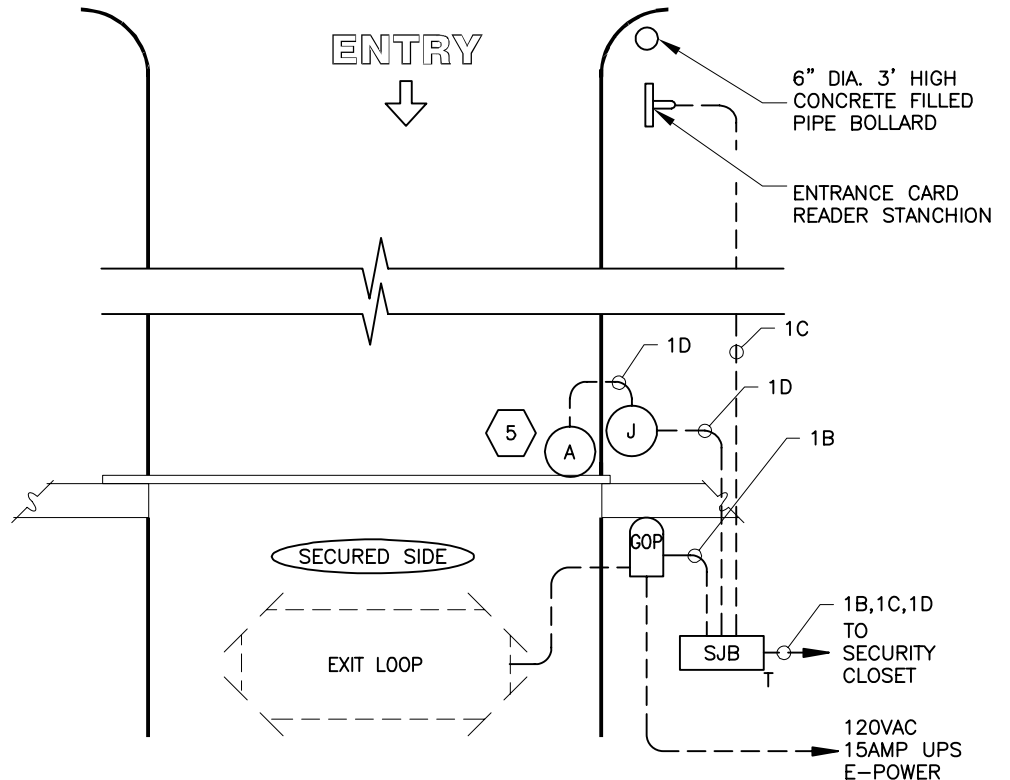
LITERATURE

	<u>S</u> AMSUNG		<u>S</u> AMSUNG
<u>T</u> ILT <u>M</u> OUNT		<u>P</u> ENDANT	
<u>W</u> ALL <u>M</u> OUNT		<u>P</u> ARAPET_ <u>P</u>	
<u>P</u> ENDANT <u>M</u> OUNT		<u>C</u> CORNER <u>M</u> OUNT	
<u>P</u> OLE <u>M</u> OUNT			





SYMBOLS LIST	
(A)	ALARM CONTACT
(J)	JUNCTION BOX w/COVER
(O)	ROLL-UP GATE DOOR OPERATOR



#### OPERATION

NORMAL ENTRY IS BY ACCESS CARD. A VALID CARD READ RAISES THE ROLL-UP GATE. WHEN A VEHICLE PASSES THE SAFETY BEAMS, THE ROLL-UP GATE WILL CLOSE.  
NORMAL EXIT IS BY A VEHICLE PASSING OVER THE EXIT LOOP WHICH WILL RAISE THE ROLL-UP GATE, WHEN THE VEHICLE PASSES THE SAFETY BEAMS, THE ROLL-UP GATE WILL CLOSE.

#### DIAGRAM NOTES

1. THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING, REFERENCE FLOOR PLANS.
2. IF USING OTHER MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
3. HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
4. DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
5. SELECT ONLY ONE CONTACT DEPENDING ON FIELD CONDITIONS.



EQUIPMENT LIST					
#	QTY	DESCRIPTION	MODEL NUMBER	CODE	NOTES
1	1	CARD READER – SEE DETAIL 00.80.001 FOR CARD READER	–	A	
2	1	HOFFMAN – 8"x8"x6" JUNCTION BOX	A8N86	B	
3	1	HOFFMAN – INNER PANEL 6.25"x6.25", PERFORATED	A8N8PP	B	
4	1	HOFFMAN – LOCK KIT	AL12AR	B	
5	1	PEDESTAL PRO – 42" ANGLED PEDESTAL	42-3-12	B	
6	1	PEDESTAL PRO – HOUSING, 10"x8", w/LOCK	LANDO-CS-10x8-E	B	
7	1	OPERATOR	–	6	
8	AR	IDEC – RELAY, DPDT, 24VDC	RH2B-U-24VDC	2	
9	AR	IDEC – SOCKET	SH2B	2	
10	AR	ESD – END OF LINE RESISTOR PACK	EOL-1K	B	1

CODE INDEX

- |  |                          |
|--|--------------------------|
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| C) BY SECURITY CONTRACTOR, OR EQUAL          | F) EXISTING              |

INPUT LOADING	CR	1	REX		CAM		KPD		OUTPUT LOADING	LOCK		MON		KPD			
	DSM	1	AUX		P/I		A/M			AUX	1	P/I		A/M			

**EQUIPMENT LIST NOTES**

1. PROVIDE ASSOCIATED STANDARD RAIL AND TERMINAL MARKINGS.
2. DESIGNED FOR MOUNTING CARD READER AND INTERCOM.

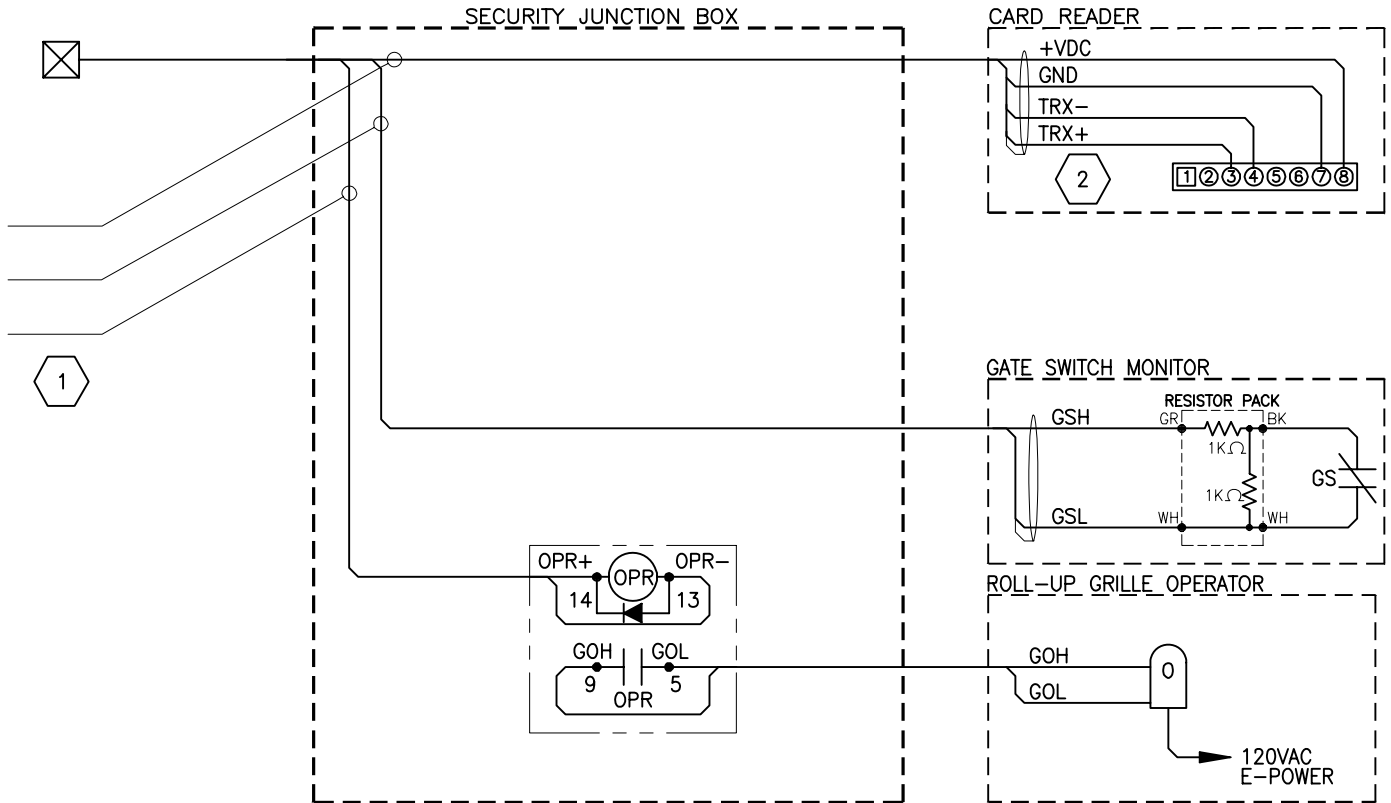


VEHICLE LANE, CARD IN/FREE EXIT  
ROLL-UP GATE

## DETAIL NO-3

POINT-TO-POINT

AS-BUILT	Building:	Door#:	Point#:
	Description:		



### LADDER NOTES

1. LOREM IPSUM DOLOR SIT AMET, CONSECTETUER ADIPISCING ELIT. NAM LACUS. ALIQUAM CONDIMENTUM FAUCIBUS MAURIS.
2. LOREM IPSUM.
3. CUM SOCIIS NATOQUE PENATIBUS ET MAGNIS DIS PARTURIENT MONTES, NASCETUR RIDICULUS MUS.

