

Skyline
COLLEGE

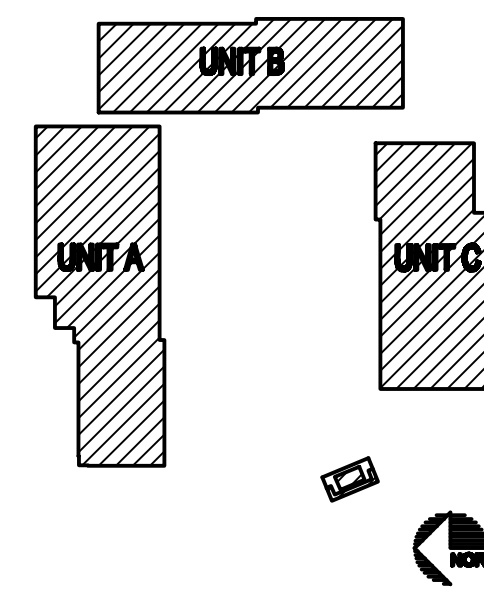
ACHIEVE

FACILITIES MAINTENANCE CENTER

3300 COLLEGE DRIVE, SAN BRUNO BLVD. CA 94066

SECURITY	CONVENTIONS	GENERAL NOTES	DRAWING INDEX																																																																																																																								
<p>SECURITY</p> <p> CARD READER, MOUNTED +42" AFF UON. G = GLASS MOUNT K = WITH KEYPAD L = LONG RANGE M = MULLION MOUNT P = PEDESTAL MOUNT ELEC MORTISE LOCK REX MOTION DETECTOR, WALL MOUNTED ABOVE DOOR POWER SUPPLY GENERAL ALARM POINT MAGNETIC DOOR CONTACT MOUNTED IN DOOR HEADER ROLL-UP DOOR (WIDE GAP) GLASS BREAK SENSOR FIXED CCTV CAMERA INDICATES THE PROTECTED SIDE OF A DOOR. SECURITY/CCTV EQUIPMENT CABINET, SIZE AND TYPE AS SPECIFIED BY NUMBERED NOTE. </p>	<p>CONVENTIONS</p> <p> ELECTRICAL SHEET NOTE SECURITY SHEET NOTE DOOR NUMBER DETAIL REFERENCE SHEET NUMBER (T=TELECOM SY=SECURITY) DETAIL DESIGNATION ELEVATION REFERENCE SHEET NUMBER (T=TELECOM SY=SECURITY) DETAIL DESIGNATION SECURITY DEVICE REFERENCE DETAIL DESIGNATION DEVICE ID SHEET NUMBER SECURITY DEVICE ID REFERENCE DEVICE NUMBER DEVICE TYPE CR = CARD READER A = ALARM INPUT R = RELAY OUTPUT IC = INTERCOM STATION K = CCTV CAMERA </p>	<p>GENERAL NOTES</p> <p>APPLIES TO ALL SHEETS</p> <ol style="list-style-type: none"> REFER TO WRITTEN SPECIFICATIONS FOR PROJECT SCOPE, GENERAL REQUIREMENTS, PRODUCT SPECS, AND INSTALLATION REQUIREMENTS. DRAWINGS INDICATE APPROXIMATE LOCATIONS OF CEILING MOUNTED DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND COORDINATE EXACT LOCATIONS WITH LIGHT FIXTURES AND OTHER DEVICES. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE. MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL UON. REPORT TO THE ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE DESIGNED SYSTEM. CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS TO MAINTAIN THE FIRE SEPARATION RATING. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF WALL MOUNTED DEVICES. DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY. PROVIDE NECESSARY EQUIPMENT AND/OR ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM THAT MEETS INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT. PROVIDE REQUIRED CONDUIT, BACKBOXES, JUNCTION BOXES, AND SECURITY EQUIPMENT ENCLOSURES, WHETHER ON DRAWINGS OR NOT, UON. MAINTAIN A COPY OF THE SPECIFICATIONS ACCOMPANYING DRAWINGS ON THE JOB SITE AT ALL TIMES FOR REFERENCE. BE ABLE TO PRESENT THE SPECIFICATIONS UPON REQUEST. REFERENCE OTHER TRADE'S DRAWINGS AND SPECIFICATIONS (E.G., TELECOM) FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE PLASTIC BUSHINGS ON EXPOSED ENDS OF CONDUIT AND SLEEVES. PROVIDE APPROPRIATE NYLON PULL ROPE IN CONDUITS. PROVIDE CONDUIT PLUGS IN ALL OSP SECURITY CONDUITS ACCORDING TO THE CABLE USE AND USE BLANK PLUGS FOR UNUSED CONDUITS. MOUNT EQUIPMENT OR DEVICES, SUCH AS RUNWAY, CONDUITS, J-HANGER, AND PULL BOXES ACCORDING TO STATE AND LOCAL CODES FOR SEISMIC BRACING. LABEL SECURITY CABLES ACCORDING TO SPECIFICATIONS. PROVIDE LABELS AT BOTH ENDS. VERIFY FORMAT AND INFORMATION FIELDS WITH AND RECEIVE APPROVAL FROM OWNER PRIOR TO LABELING. LABEL ALL SECURITY CONDUITS AT EACH END OF THE CONDUIT IDENTIFYING THE DESTINATION AND USE AS "SECURITY". REFER TO ELECTRICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL SYSTEMS DRAWINGS FOR SECURITY CONDUIT LAYOUT. INTERCONNECT LOW VOLTAGE CABLES BETWEEN SYSTEM AND LOCKS. SECURITY DOOR HARDWARE TO FAIL SECURE, UON. EXIT DEVICE ELECTRIC HARDWARE TO HAVE MANUFACTURERS POWER SUPPLIES AND BACK-UP BATTERIES WHERE REQUIRED FOR NORMAL AND EMERGENCY OPERATION. EGRESS HARDWARE SHALL BE OPERABLE AT ALL TIMES. SECURITY HARDWARE SHALL NOT PROHIBIT EGRESS. INTERFACE SECURITY CONTROLLED DOOR HARDWARE WITH THE FIRE ALARM SYSTEM AS TO NOT IMPEDE EXITING UNDER FIRE ALARM CONDITIONS. PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS CROSSING EXPANSION JOINTS. 	<p>DRAWING INDEX</p> <table border="1"> <thead> <tr> <th>DWG. No.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>SEC.0.01</td> <td>SECURITY SYSTEM GENERAL NOTES, SYMBOLS, LEGEND, ABBREVIATION & DRAWING INDEX</td> </tr> <tr> <td>SEC.0.02</td> <td>SECURITY SYSTEM CCTV BLOCK DIAGRAM</td> </tr> <tr> <td>SEC.1.01</td> <td>SECURITY SYSTEM FMC SITE PLAN</td> </tr> <tr> <td>SEC.2.01</td> <td>SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN EAST SIDE</td> </tr> <tr> <td>SEC.2.02</td> <td>SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN WEST SIDE</td> </tr> <tr> <td>SEC.3.01</td> <td>SECURITY SYSTEM POINT-TO-POINT WIRING DIAGRAM</td> </tr> <tr> <td>SEC.4.01</td> <td>SECURITY SYSTEM ENLARGED PLAN AND EQUIPMENT ELEVATION</td> </tr> <tr> <td>SEC.5.01</td> <td>SECURITY SYSTEM DOOR DETAILS</td> </tr> <tr> <td>SEC.5.02</td> <td>SECURITY SYSTEM CAMERA AND MISCELLANEOUS DETAILS</td> </tr> </tbody> </table>	DWG. No.	DESCRIPTION	SEC.0.01	SECURITY SYSTEM GENERAL NOTES, SYMBOLS, LEGEND, ABBREVIATION & DRAWING INDEX	SEC.0.02	SECURITY SYSTEM CCTV BLOCK DIAGRAM	SEC.1.01	SECURITY SYSTEM FMC SITE PLAN	SEC.2.01	SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN EAST SIDE	SEC.2.02	SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN WEST SIDE	SEC.3.01	SECURITY SYSTEM POINT-TO-POINT WIRING DIAGRAM	SEC.4.01	SECURITY SYSTEM ENLARGED PLAN AND EQUIPMENT ELEVATION	SEC.5.01	SECURITY SYSTEM DOOR DETAILS	SEC.5.02	SECURITY SYSTEM CAMERA AND MISCELLANEOUS DETAILS																																																																																																				
DWG. No.	DESCRIPTION																																																																																																																										
SEC.0.01	SECURITY SYSTEM GENERAL NOTES, SYMBOLS, LEGEND, ABBREVIATION & DRAWING INDEX																																																																																																																										
SEC.0.02	SECURITY SYSTEM CCTV BLOCK DIAGRAM																																																																																																																										
SEC.1.01	SECURITY SYSTEM FMC SITE PLAN																																																																																																																										
SEC.2.01	SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN EAST SIDE																																																																																																																										
SEC.2.02	SECURITY SYSTEM FMC SECURITY DEVICE LAYOUT PLAN WEST SIDE																																																																																																																										
SEC.3.01	SECURITY SYSTEM POINT-TO-POINT WIRING DIAGRAM																																																																																																																										
SEC.4.01	SECURITY SYSTEM ENLARGED PLAN AND EQUIPMENT ELEVATION																																																																																																																										
SEC.5.01	SECURITY SYSTEM DOOR DETAILS																																																																																																																										
SEC.5.02	SECURITY SYSTEM CAMERA AND MISCELLANEOUS DETAILS																																																																																																																										
<p>RACEWAYS</p> <p>APPLIES TO ALL SHEETS</p> <p> CONDUIT RUN EXPOSED ON WALL OR CEILING. CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND. CONDUIT RUN CONCEALED IN WALL OR CEILING. CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. CONDUIT TURNED UP. CONDUIT TURNED DOWN. CONDUIT STUB THROUGH WALL OR FLOOR, NUMBERS INDICATE SIZE AND QUANTITY. </p>																																																																																																																											
<p>POWER</p> <p>APPLIES TO ALL SHEETS</p> <p> ELECTRICAL PANELBOARD, SURFACE MOUNTED. </p>			<p>ABBREVIATIONS</p> <table border="1"> <thead> <tr> <th>ABBREVIATION</th> <th>DESCRIPTION</th> <th>ABBREVIATION</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>AMPERES</td> <td>MT</td> <td>EMPTY</td> </tr> <tr> <td>ACAMS</td> <td>ACCESS CONTROL AND ALARM MONITORING SYSTEM</td> <td>(N)</td> <td>NEW</td> </tr> <tr> <td>AFF</td> <td>ABOVE FINISHED FLOOR</td> <td>NC</td> <td>NORMALLY CLOSED</td> </tr> <tr> <td>AWG</td> <td>AMERICAN WIRE GAUGE</td> <td>NO</td> <td>NORMALLY OPEN</td> </tr> <tr> <td>BAS</td> <td>BUILDING AUTOMATION SYSTEM</td> <td>NTS</td> <td>NOT TO SCALE</td> </tr> <tr> <td>C</td> <td>CONDUIT</td> <td>OFOI</td> <td>OWNER FURNISHED OWNER INSTALLED</td> </tr> <tr> <td>CAT3</td> <td>CATEGORY 3 (UTP CABLE)</td> <td>OC</td> <td>ON CENTER</td> </tr> <tr> <td>CAT5</td> <td>CATEGORY 5 (UTP CABLE)</td> <td>OSP</td> <td>OUTSIDE PLANT</td> </tr> <tr> <td>CAT5E</td> <td>CATEGORY 5E (UTP CABLE)</td> <td>(P)</td> <td>PROTECTED SIDE OF DOOR</td> </tr> <tr> <td>CAT6</td> <td>CATEGORY 6 (UTP CABLE)</td> <td>PB</td> <td>PULLBOX</td> </tr> <tr> <td>CATV</td> <td>COMMUNITY ANTENNA TELEVISION</td> <td>PNL</td> <td>PANEL</td> </tr> <tr> <td>CEC</td> <td>CCTV EQUIPMENT CABINET</td> <td>PR</td> <td>PAIR (OF COPPER CONDUCTORS)</td> </tr> <tr> <td>DIV</td> <td>DIVISION</td> <td>PVC</td> <td>POLYVINYL CHLORIDE</td> </tr> <tr> <td>(E)</td> <td>EXISTING</td> <td>SAD</td> <td>SEE ARCHITECTURAL DRAWINGS</td> </tr> <tr> <td>EC</td> <td>ELECTRICAL CONTRACTOR</td> <td>SEC</td> <td>SECURITY EQUIPMENT CABINET</td> </tr> <tr> <td>EMS</td> <td>ELECTRICAL MANAGEMENT SYSTEM</td> <td>SM</td> <td>SINGLEMODE</td> </tr> <tr> <td>EMT</td> <td>ELECTRIC METALLIC TUBING</td> <td>SrTP</td> <td>SCREENED TWISTED PAIR</td> </tr> <tr> <td>(F)</td> <td>FUTURE</td> <td>STR</td> <td>STRANDS (OF FIBER)</td> </tr> <tr> <td>FACP</td> <td>FIRE ALARM CONTROL PANEL</td> <td>STP</td> <td>SHIELDED TWISTED PAIR</td> </tr> <tr> <td>FATC</td> <td>FIRE ALARM TERMINAL CABINET</td> <td>TBB</td> <td>TELECOM BONDING BACKBONE</td> </tr> <tr> <td>FO</td> <td>FIBER OPTIC</td> <td>TBC</td> <td>TELECOM BONDING CONDUCTOR</td> </tr> <tr> <td>GC</td> <td>GENERAL CONTRACTOR</td> <td>TGB</td> <td>TELECOM GROUNDING BUSBAR</td> </tr> <tr> <td>IDF</td> <td>INTERMEDIATE DISTRIBUTION FACILITY</td> <td>TYP</td> <td>TYPICAL</td> </tr> <tr> <td>JB</td> <td>JUNCTION BOX</td> <td>UON</td> <td>UNLESS OTHERWISE NOTED</td> </tr> <tr> <td>LCP</td> <td>LIGHTING CONTROL PANEL</td> <td>UPS</td> <td>UNINTERRUPTIBLE POWER SUPPLY</td> </tr> <tr> <td>MDF</td> <td>MAIN DISTRIBUTION FACILITY</td> <td>UTP</td> <td>UNSHIELDED TWISTED PAIR</td> </tr> <tr> <td>MH</td> <td>MAINTENANCE HOLE</td> <td>V</td> <td>VOLTS</td> </tr> <tr> <td>MM</td> <td>MULTIMODE</td> <td>WP</td> <td>WEATHERPROOF</td> </tr> <tr> <td>MPOE</td> <td>MINIMUM POINT OF ENTRY</td> <td></td> <td></td> </tr> </tbody> </table>	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	A	AMPERES	MT	EMPTY	ACAMS	ACCESS CONTROL AND ALARM MONITORING SYSTEM	(N)	NEW	AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED	AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN	BAS	BUILDING AUTOMATION SYSTEM	NTS	NOT TO SCALE	C	CONDUIT	OFOI	OWNER FURNISHED OWNER INSTALLED	CAT3	CATEGORY 3 (UTP CABLE)	OC	ON CENTER	CAT5	CATEGORY 5 (UTP CABLE)	OSP	OUTSIDE PLANT	CAT5E	CATEGORY 5E (UTP CABLE)	(P)	PROTECTED SIDE OF DOOR	CAT6	CATEGORY 6 (UTP CABLE)	PB	PULLBOX	CATV	COMMUNITY ANTENNA TELEVISION	PNL	PANEL	CEC	CCTV EQUIPMENT CABINET	PR	PAIR (OF COPPER CONDUCTORS)	DIV	DIVISION	PVC	POLYVINYL CHLORIDE	(E)	EXISTING	SAD	SEE ARCHITECTURAL DRAWINGS	EC	ELECTRICAL CONTRACTOR	SEC	SECURITY EQUIPMENT CABINET	EMS	ELECTRICAL MANAGEMENT SYSTEM	SM	SINGLEMODE	EMT	ELECTRIC METALLIC TUBING	SrTP	SCREENED TWISTED PAIR	(F)	FUTURE	STR	STRANDS (OF FIBER)	FACP	FIRE ALARM CONTROL PANEL	STP	SHIELDED TWISTED PAIR	FATC	FIRE ALARM TERMINAL CABINET	TBB	TELECOM BONDING BACKBONE	FO	FIBER OPTIC	TBC	TELECOM BONDING CONDUCTOR	GC	GENERAL CONTRACTOR	TGB	TELECOM GROUNDING BUSBAR	IDF	INTERMEDIATE DISTRIBUTION FACILITY	TYP	TYPICAL	JB	JUNCTION BOX	UON	UNLESS OTHERWISE NOTED	LCP	LIGHTING CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY	MDF	MAIN DISTRIBUTION FACILITY	UTP	UNSHIELDED TWISTED PAIR	MH	MAINTENANCE HOLE	V	VOLTS	MM	MULTIMODE	WP	WEATHERPROOF	MPOE	MINIMUM POINT OF ENTRY		
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION																																																																																																																								
A	AMPERES	MT	EMPTY																																																																																																																								
ACAMS	ACCESS CONTROL AND ALARM MONITORING SYSTEM	(N)	NEW																																																																																																																								
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED																																																																																																																								
AWG	AMERICAN WIRE GAUGE	NO	NORMALLY OPEN																																																																																																																								
BAS	BUILDING AUTOMATION SYSTEM	NTS	NOT TO SCALE																																																																																																																								
C	CONDUIT	OFOI	OWNER FURNISHED OWNER INSTALLED																																																																																																																								
CAT3	CATEGORY 3 (UTP CABLE)	OC	ON CENTER																																																																																																																								
CAT5	CATEGORY 5 (UTP CABLE)	OSP	OUTSIDE PLANT																																																																																																																								
CAT5E	CATEGORY 5E (UTP CABLE)	(P)	PROTECTED SIDE OF DOOR																																																																																																																								
CAT6	CATEGORY 6 (UTP CABLE)	PB	PULLBOX																																																																																																																								
CATV	COMMUNITY ANTENNA TELEVISION	PNL	PANEL																																																																																																																								
CEC	CCTV EQUIPMENT CABINET	PR	PAIR (OF COPPER CONDUCTORS)																																																																																																																								
DIV	DIVISION	PVC	POLYVINYL CHLORIDE																																																																																																																								
(E)	EXISTING	SAD	SEE ARCHITECTURAL DRAWINGS																																																																																																																								
EC	ELECTRICAL CONTRACTOR	SEC	SECURITY EQUIPMENT CABINET																																																																																																																								
EMS	ELECTRICAL MANAGEMENT SYSTEM	SM	SINGLEMODE																																																																																																																								
EMT	ELECTRIC METALLIC TUBING	SrTP	SCREENED TWISTED PAIR																																																																																																																								
(F)	FUTURE	STR	STRANDS (OF FIBER)																																																																																																																								
FACP	FIRE ALARM CONTROL PANEL	STP	SHIELDED TWISTED PAIR																																																																																																																								
FATC	FIRE ALARM TERMINAL CABINET	TBB	TELECOM BONDING BACKBONE																																																																																																																								
FO	FIBER OPTIC	TBC	TELECOM BONDING CONDUCTOR																																																																																																																								
GC	GENERAL CONTRACTOR	TGB	TELECOM GROUNDING BUSBAR																																																																																																																								
IDF	INTERMEDIATE DISTRIBUTION FACILITY	TYP	TYPICAL																																																																																																																								
JB	JUNCTION BOX	UON	UNLESS OTHERWISE NOTED																																																																																																																								
LCP	LIGHTING CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY																																																																																																																								
MDF	MAIN DISTRIBUTION FACILITY	UTP	UNSHIELDED TWISTED PAIR																																																																																																																								
MH	MAINTENANCE HOLE	V	VOLTS																																																																																																																								
MM	MULTIMODE	WP	WEATHERPROOF																																																																																																																								
MPOE	MINIMUM POINT OF ENTRY																																																																																																																										

KEYPLAN:



ISSUANCE:
AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS

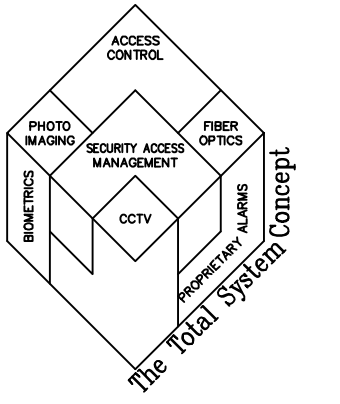
NO.	DATE	DESCRIPTION
1	9-4-09	REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
GENERAL NOTES, SYMBOLS,
LEGEND, ABBREVIATION
AND DRAWING INDEX

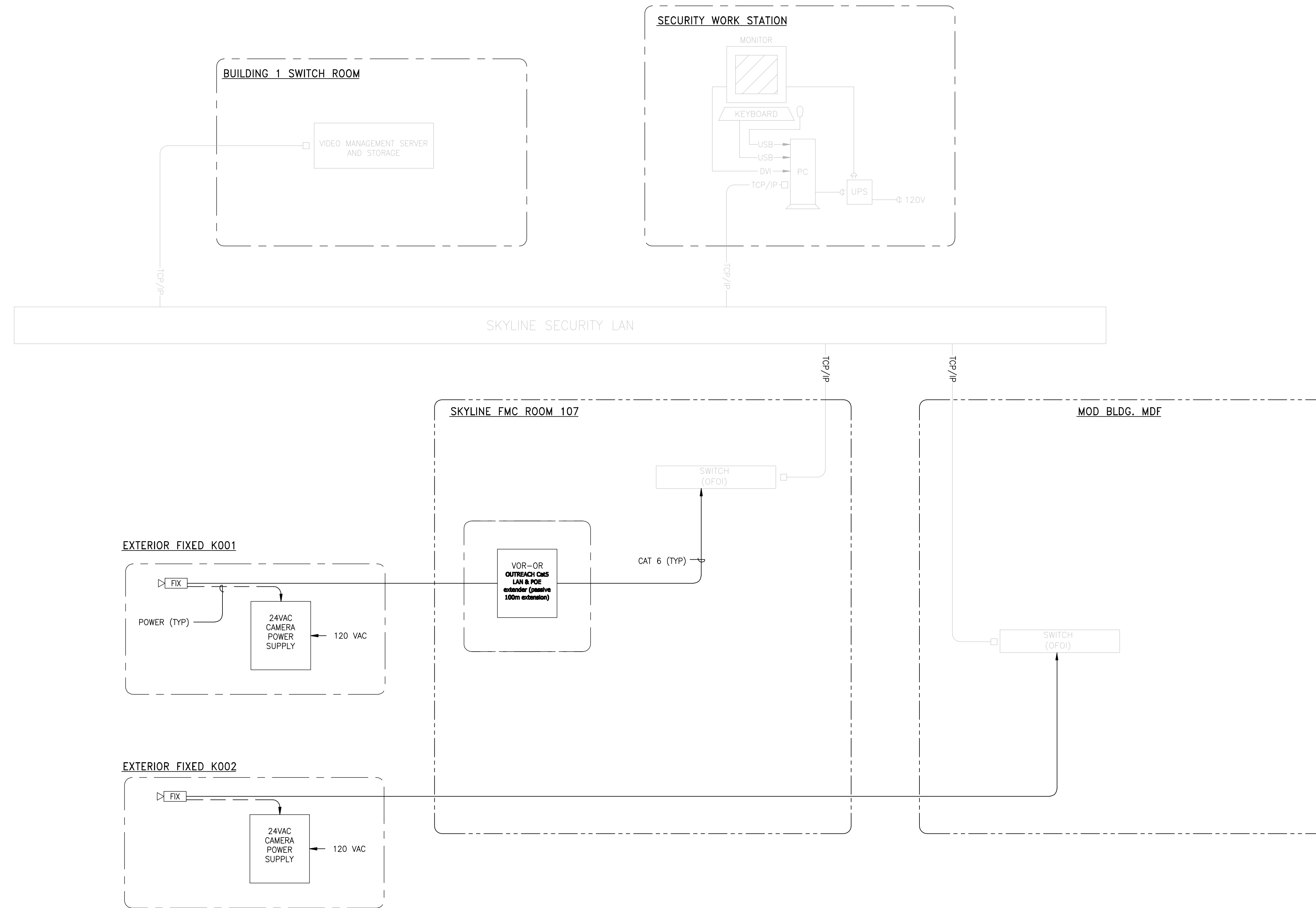
CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.0.01



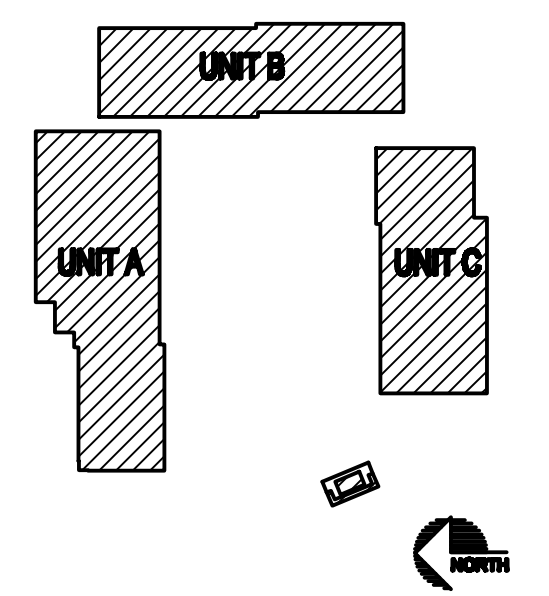
GENERAL SHEET NOTES

1. CCTV BLOCK DIAGRAM IS DIAGRAMMATIC ONLY. PROVIDED SUFFICIENT INPUTS, OUTPUTS, INPUT/OUTPUT POINTS, AND POWER SUPPLIES TO SUPPORT THE FIELD DEVICES SHOWN ON FLOOR PLANS.
2. VIDEO MANAGEMENT SERVER AND SECURITY WORK STATION SHOWN FOR REFERENCE ONLY. TREATED EACH AS EXISTING AND PROGRAMMED FMC CAMERAS INTO SKYLINE CAMPUS VIDEO SURVEILLANCE SYSTEM.



1 SECURITY SYSTEM CCTV BLOCK DIAGRAM
SCALE: N.T.S.

KEYPLAN:



ISSUANCE:
AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

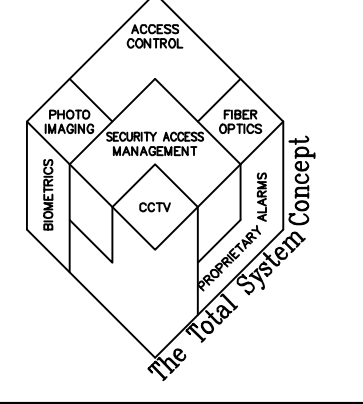
REVISIONS		
NO.	DATE	DESCRIPTION
1	9-4-09	REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
CCTV BLOCK DIAGRAM

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.0.02



GENERAL SHEET NOTES

1. REFER TO SECURITY SHEET SEC.2.01 AND SEC.2.02 FOR ADDITIONAL INFORMATION.

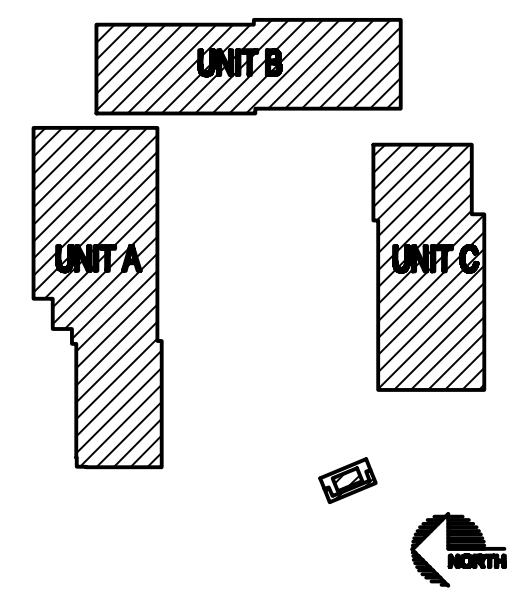
NUMBERED SHEET NOTES

ELECTRICAL:

E-1 PROVIDED CHRISTY BOX AT EDGE OF FMC FOR FUTURE CONDUIT CONNECTIONS TO CAMERAS AT PARKING LOT #2.



KEYPLAN:



ISSUANCE:

AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS

NO.	DATE	DESCRIPTION
9-4-09		REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
FMC SITE PLAN

DATE: 10/10/08
DRAWN BY: BCHUA
CHECKED BY: JLAMANTIA
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.1.01

1 SECURITY SYSTEM FMC SITE PLAN
SCALE: 1/16"=1'-0"



GENERAL SHEET NOTES

1. CONDUIT 3/4" U.O.N.
2. JUNCTION BOXES ARE 4" SQ. X 2-1/8" D. U.O.N.
3. ANCHORED CONDUIT TO CEILING TO CEILING, U.O.N.
4. CONDUIT AND JUNCTION BOXES ARE NEW U.O.N.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.
6. PROVIDED 12"x12"x4" NEMA 1 PULL BOXES, U.O.N.

ELECTRICAL SHEET NOTES

ELECTRICAL: REFERENCE ELECTRICAL AS BUILT DRAWINGS FOR EXACT CONDUIT PATHWAYS AND INSTALLATION DETAILS

- [E-1] PROVIDED 1.5 INCH CONDUIT BETWEEN PULL BOXES.
- [E-2] PROVIDED 2 INCH CONDUIT BETWEEN PULL BOXES.
- [E-3] PROVIDED (2) 2 INCH CONDUITS BETWEEN PULL BOXES.
- [E-4] PROVIDED 1.25 INCH CONDUIT.
- [E-5] PROVIDED 1 INCH CONDUIT.

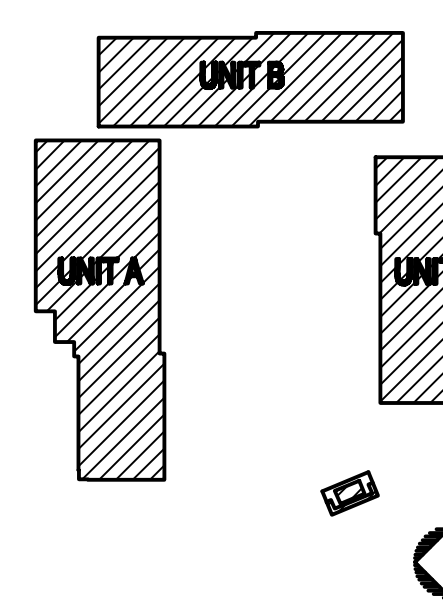
INTERIOR CABLE SCHEDULE

SYMBOL	GAUGE	PART No.	MANUFACTURER	DEVICE
A	22/4	6500UE	BELDEN	DOOR CONTACT
B.1	22/2 PR	6541FE	BELDEN	CARD READER SIGNAL
B.2	18/2	6300UE	BELDEN	CARD READER POWER
B.3	16/2	6200UE	BELDEN	LOCK POWER
B.4	22/4	6500UE	BELDEN	DOOR CONTACT
B.5	22/4	6541FE	BELDEN	REX
C.1	22/4	6300UE	BELDEN	GLASSBREAK POWER
C.2	22/4	6500UE	BELDEN	GLASSBREAK CONTACT

UNDERGROUND CABLE SCHEDULE

SYMBOL	GAUGE	PART No.	MANUFACTURER	DEVICE
D.1	22/2 PR	AQC430	WEST PENN	CARD READER SIGNAL
D.2	18/2	AQC224	WEST PENN	CARD READER POWER
D.3	22/4	AQC224	WEST PENN	DOOR CONTACT
D.4	16/2	AQC225	WEST PENN	LOCK POWER
D.5	22/4	AQC224	WEST PENN	REX
E	22/4	AQC188	WEST PENN	GLASSBREAK POWER/SIGNAL
F	22/4	AQC224	WEST PENN	DOOR CONTACT A,1
G	22/4	AQC432	WEST PENN	DOOR CONTACTS

KEYPLAN:



ISSUANCE:

AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS

NO.	DATE	DESCRIPTION
9-4-09		REVISE FOR AS BUILTS

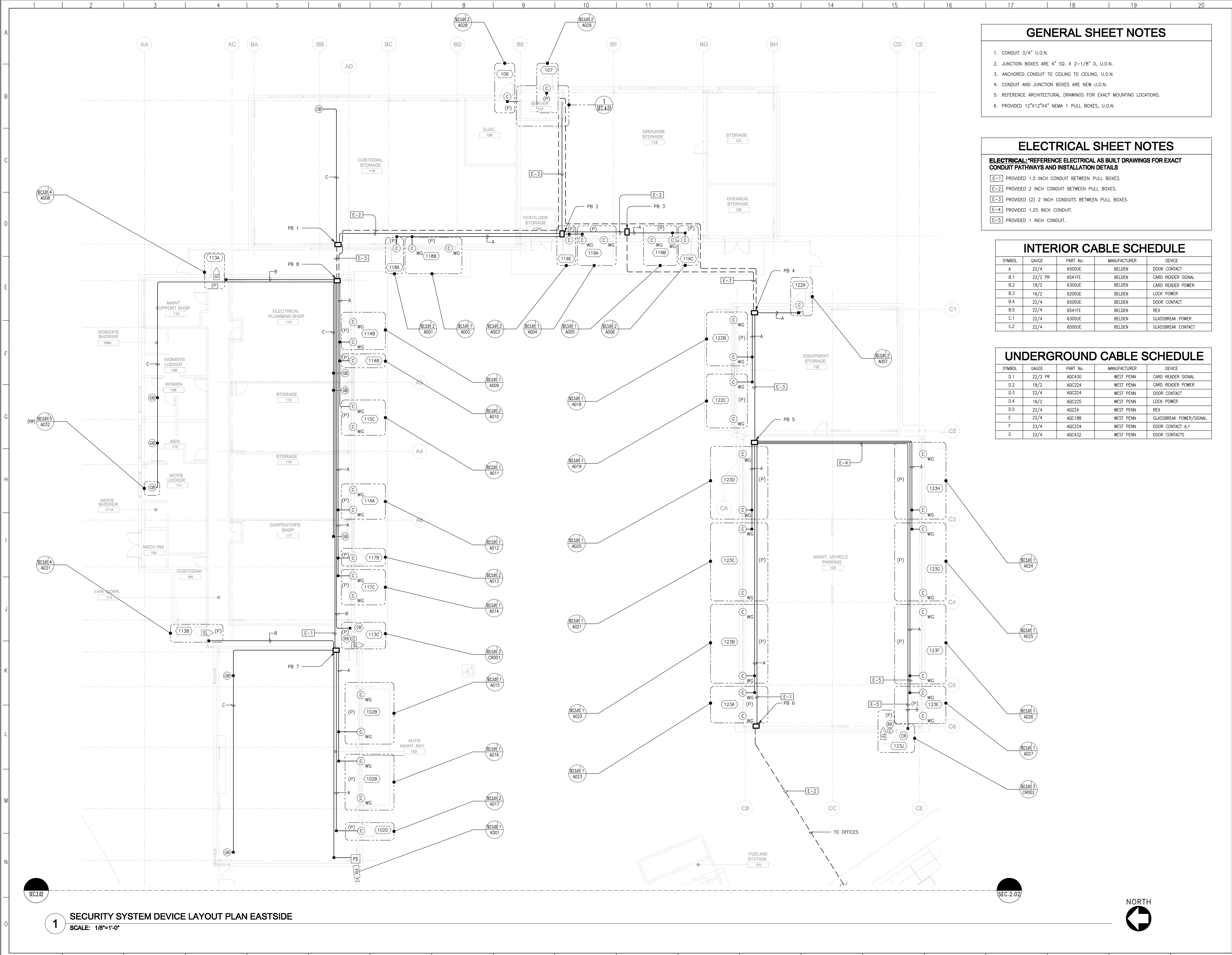
PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
DEVICE LAYOUT PLAN
EAST SIDE

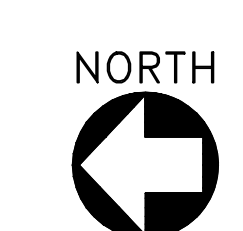
CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

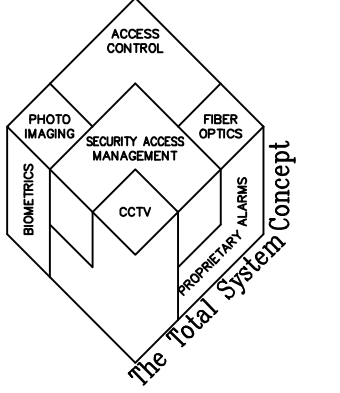
SHEET NUMBER
SEC.2.01

SHEET 4 OF 9



1 SECURITY SYSTEM DEVICE LAYOUT PLAN EASTSIDE
SCALE: 1/8"=1'-0"





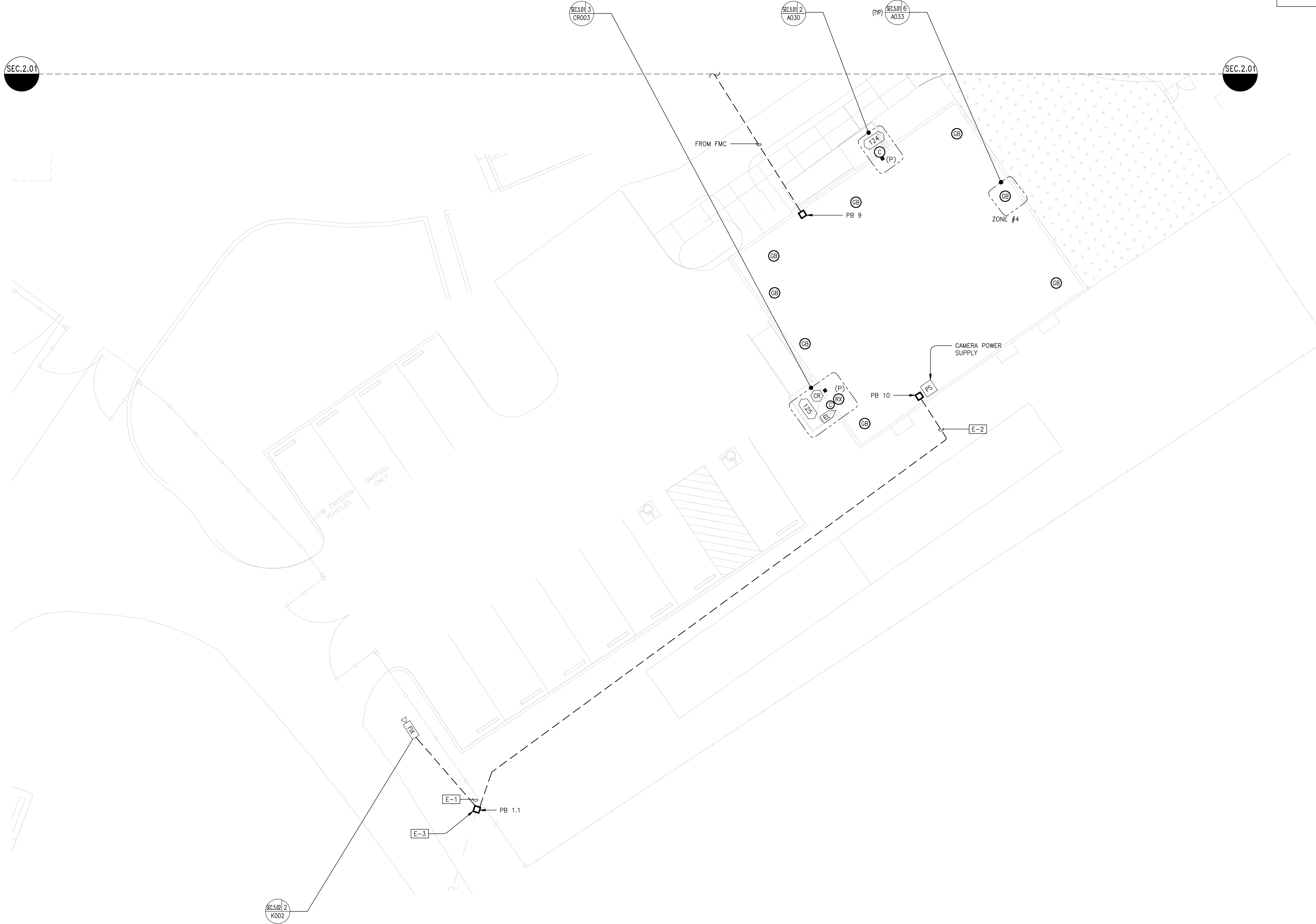
GENERAL SHEET NOTES

1. CONDUIT 3/4" U.O.N.
2. JUNCTION BOXES ARE 4" SQ. X 2-1/8" D, U.O.N.
3. CONCEAL CONDUIT MOUNTED BELOW THE CEILING LINE IN THE WALLS.
4. CONDUIT AND JUNCTION BOXES ARE NEW U.O.N.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.
6. PROVIDED 12"x12"x4" NEMA 1 PULL BOXES, U.O.N.

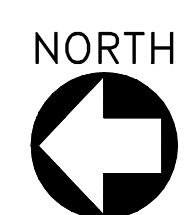
NUMBERED SHEET NOTES

ELECTRICAL: REFERENCE ELECTRICAL AS BUILT DRAWINGS FOR EXACT CONDUIT PATHWAYS AND INSTALLATION DETAILS

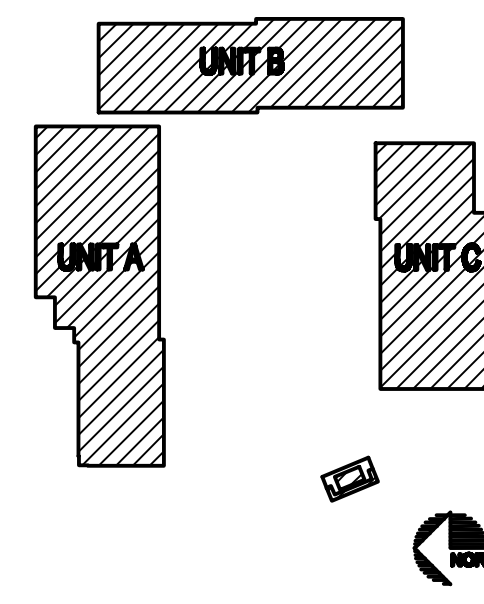
- [E-1] PROVIDED 1 INCH CONDUIT BETWEEN PB 1.1 AND CAMERA POLE
- [E-2] PROVIDED 1.5 INCH CONDUIT BETWEEN PULL BOXES.
- [E-3] REFER TO SHEET SEC.1.01 FOR P.B. 1.1 INFORMATION.



1 SECURITY SYSTEM SECURITY DEVICE LAYOUT PLAN WEST SIDE
SCALE: 1/8"=1'-0"



KEYPLAN:



ISSUANCE:
AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

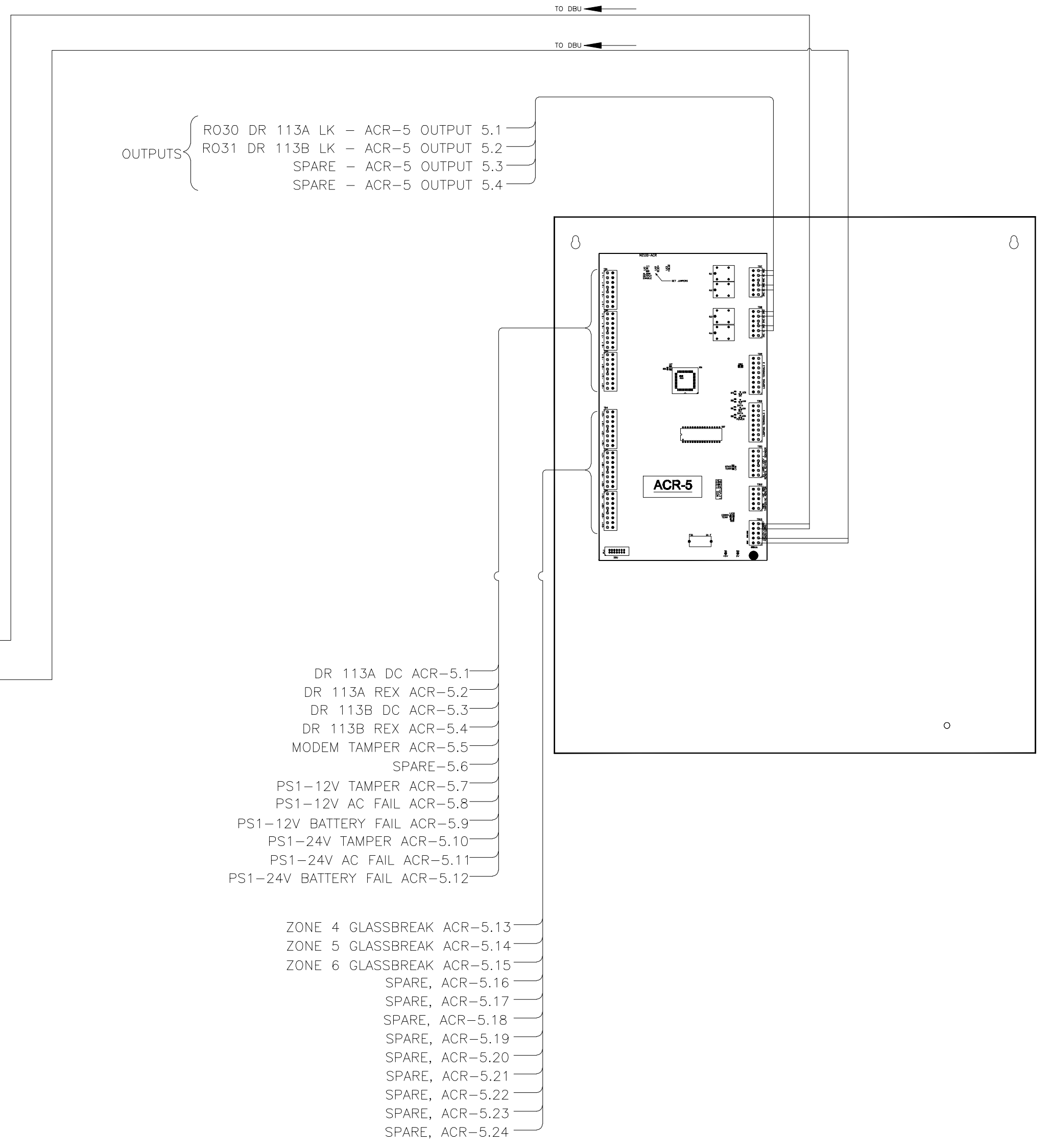
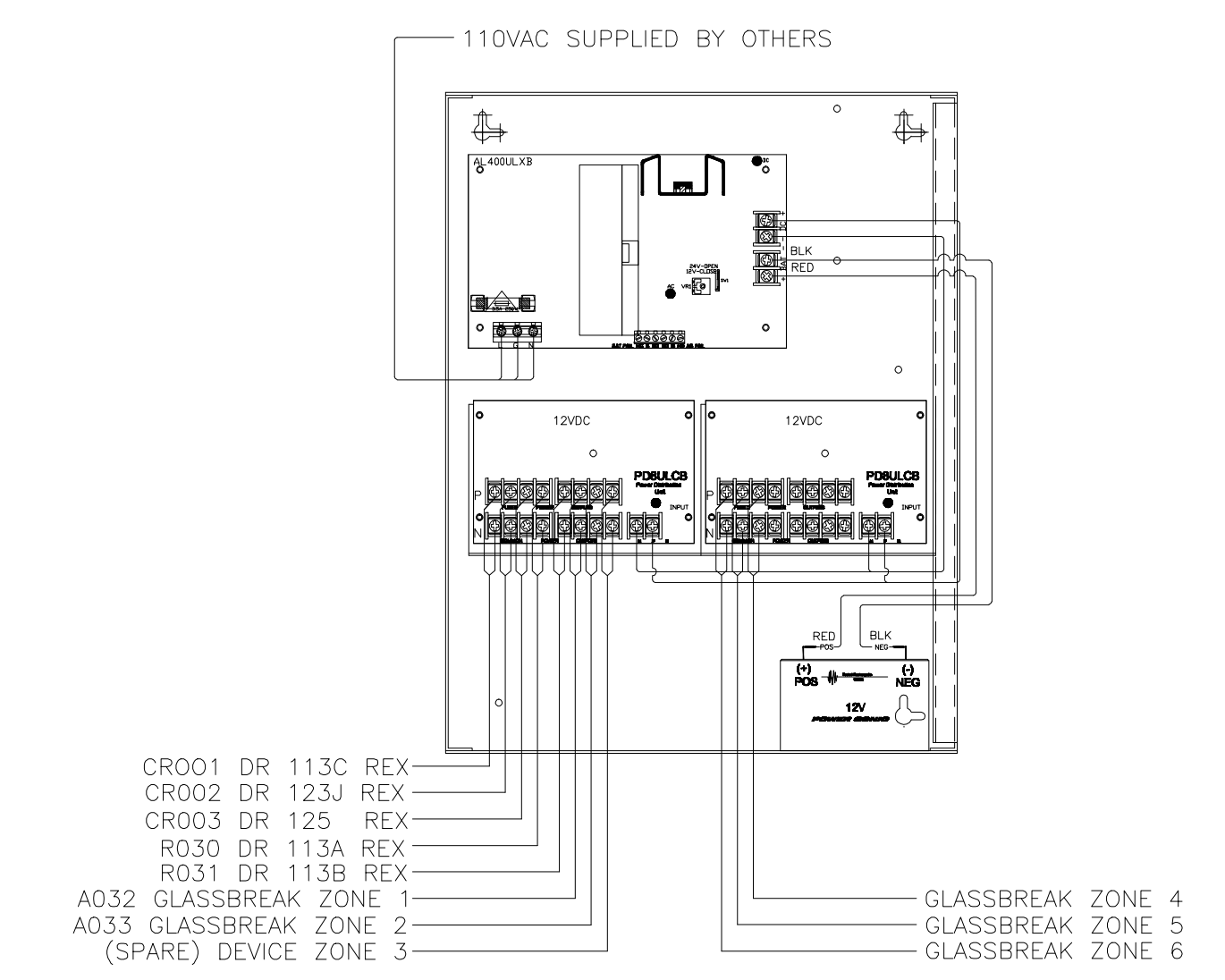
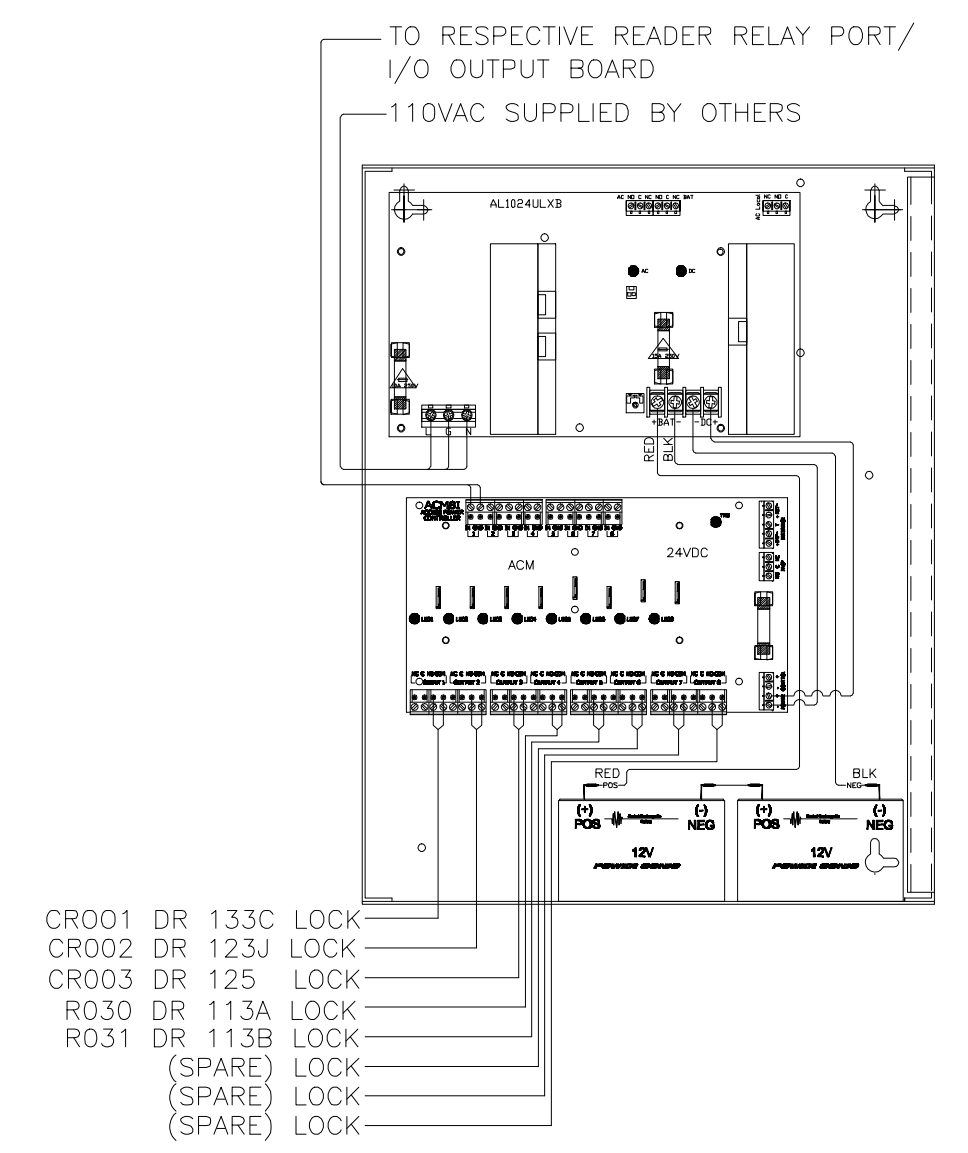
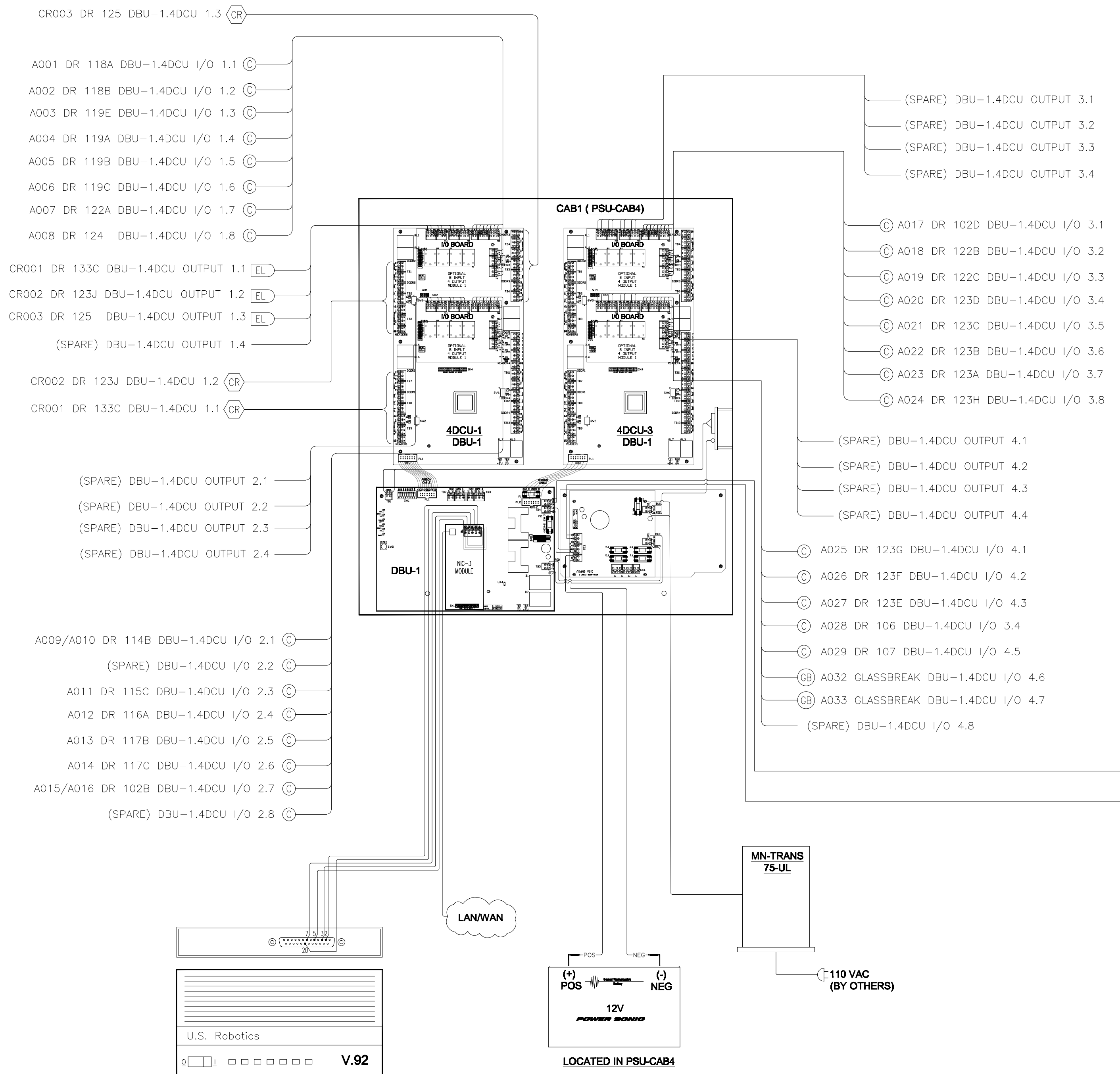
REVISIONS		
NO.	DATE	DESCRIPTION
9-4-09		REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
SECURITY DEVICE
LAYOUT PLAN
WEST SIDE

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.2.02



1 SECURITY SYSTEM POINT-TO-POINT WIRING DIAGRAM
SCALE: N.T.S.

KEYPLAN:

ISSUANCE:
AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS		
NO.	DATE	DESCRIPTION
9-4-09		REVISE FOR AS BUILTS

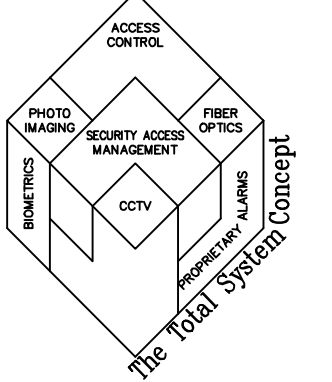
PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
POINT-TO-POINT
WIRING DIAGRAM

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.3.01

SHEET 6 OF 9



GENERAL SHEET NOTES

1. SECURITY DEVICE ELEVATION DIAGRAMMATIC. PROVIDED ACU'S AND POWER SUPPLIES AS REQUIRED TO HANDLE THE SECURITY FIELD EQUIPMENT SHOW ON THE FLOOR PLANS.
2. COORDINATED INSTALLATION WITH OTHER TRADES.
3. COORDINATED SECURITY ROOM EQUIPMENT LAYOUT WITH OWNER/ARCHITECT
4. REFERENCED ELECTRICAL DRAWINGS FOR 120VAC POWER CIRCUITS FOR THE SECURITY SYSTEM.
5. PROVIDED 3/4 INCH CONDUIT, UON.

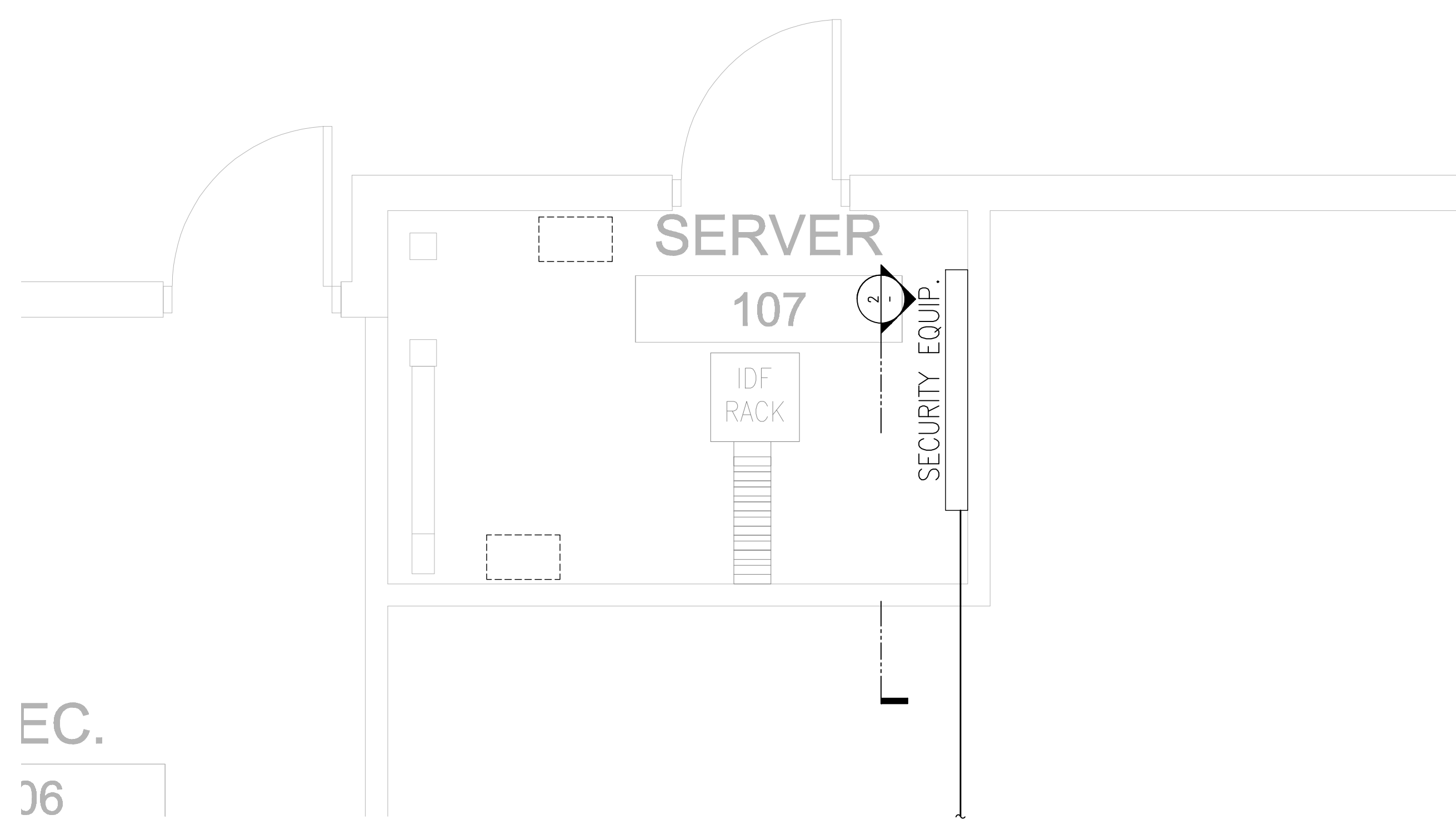
NUMBERED SHEET NOTES

SECURITY:

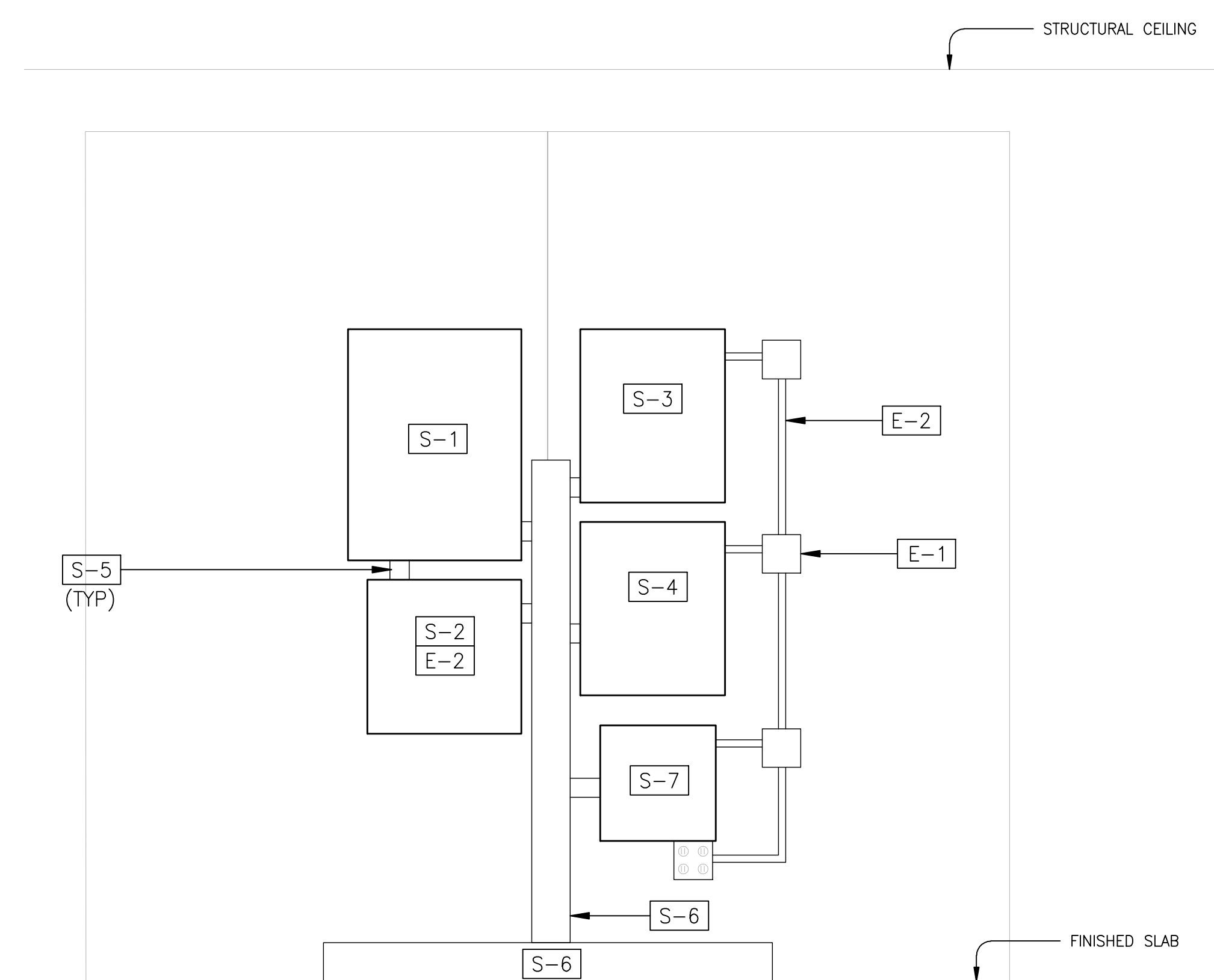
- S-1 ACCESS CONTROL SYSTEM ACU AND POWER SUPPLY
- S-2 SECURITY EQUIPMENT CABINET: 16" X 16" X 6", NEMA 1 ENCLOSURE
- S-3 LOCK POWER SUPPLY: 24VDC CONTINUOUS POWER SUPPLY (1 120VAC 20AMP, DEDICATED CIRCUIT EACH)
- S-4 DEVICE POWER SUPPLY: 12VDC CONTINUOUS POWER SUPPLY (1 120VAC 20AMP, DEDICATED CIRCUIT EACH)
- S-5 2" CHASE
- S-6 4"x4" SCREW COVER GUTTER
- S-7 12"x12" BACK-UP MODEM

ELECTRICAL:

- E-1 120VAC, 20 AMP, DEDICATED CIRCUIT, EMERGENCY POWER.
- E-2 120VAC, 20 AMP, DEDICATED CIRCUIT, EMERGENCY POWER. LOCATED IN ENCLOSURE.
- E-3 REFER TO ELECTRICAL AS BUILTS FOR CONDUIT SIZES.



1 SECURITY ROOM - ENLARGED PLAN
SCALE: 1/2"=1'-0"



2 SECURITY EQUIPMENT ELEVATION
SCALE: 1"=1'-0"

KEYPLAN:

ISSUANCE:

AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS

NO.	DATE	DESCRIPTION
9-4-09		REVISE FOR AS BUILTS

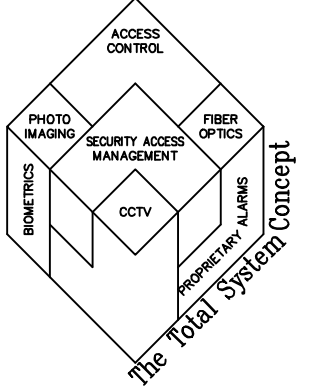
PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
ENLARGED PLAN AND
SECURITY EQUIPMENT
ELEVATION

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.4.01

SHEET 7 OF 9



GENERAL SHEET NOTES

1. INSTALLED 1/2" C BETWEEN JUNCTION BOXES AND DEVICES, UON.
2. VIEW OF DOORS ALWAYS FROM THE PROTECTED SIDE, UON.
3. JUNCTION BOXES ARE 4" SQ. X 2-1/8" D, UON.
4. DASHED SYMBOLS AND JUNCTION BOXES INDICATE DEVICES ON THE OPPOSITE SIDE OF THE WALL.
5. CENTER OF DEVICE JUNCTION BOXES ARE MOUNTED 6" AWAY FROM THE LATCH SIDE OF THE DOOR.
6. DOOR CONTACTS MOUNTED 6" AWAY FROM THE LATCH SIDE OF THE DOOR, UON.
7. FLUSH MOUNT JUNCTION BOXES INSTALLED BELOW THE CEILING LINE.
8. CONCEALED CONDUIT MOUNTED BELOW THE CEILING LINE IN THE WALLS.
9. CONDUIT AND JUNCTION BOXES ARE NEW, UON.
10. INSTALLED REQUEST TO EXIT DEVICES ON PROTECTED SIDE OF DOOR UON.
11. SECURITY CONTRACTOR RESPONSIBLE FOR TERMINATING CABLE TO TRANSFER HINGE AS WELL AS LOCK BODY. COORDINATED WITH HARDWARE SUPPLIER AS LOCKS INSTALLED.
12. DOORS AND FRAMES MUST BE FACTORY FABRICATED FOR SECURITY DEVICES INCLUDING LOCK WIRE PATHWAY, 1" DOOR CONTACTS, AND ACCESS HOLE BEHIND ELECTRIC TRANSFER HINGE. COORDINATED LOCATIONS AND SIZES WITH DEVICE MANUFACTURERS INSTALLATION TEMPLATES.
13. LOCATED ALL JUNCTION BOXES AND LOCAL POWER SUPPLIES ABOVE ACCESSIBLE CEILING GRID ON SECURE SIDE OF PROTECTED DOOR.

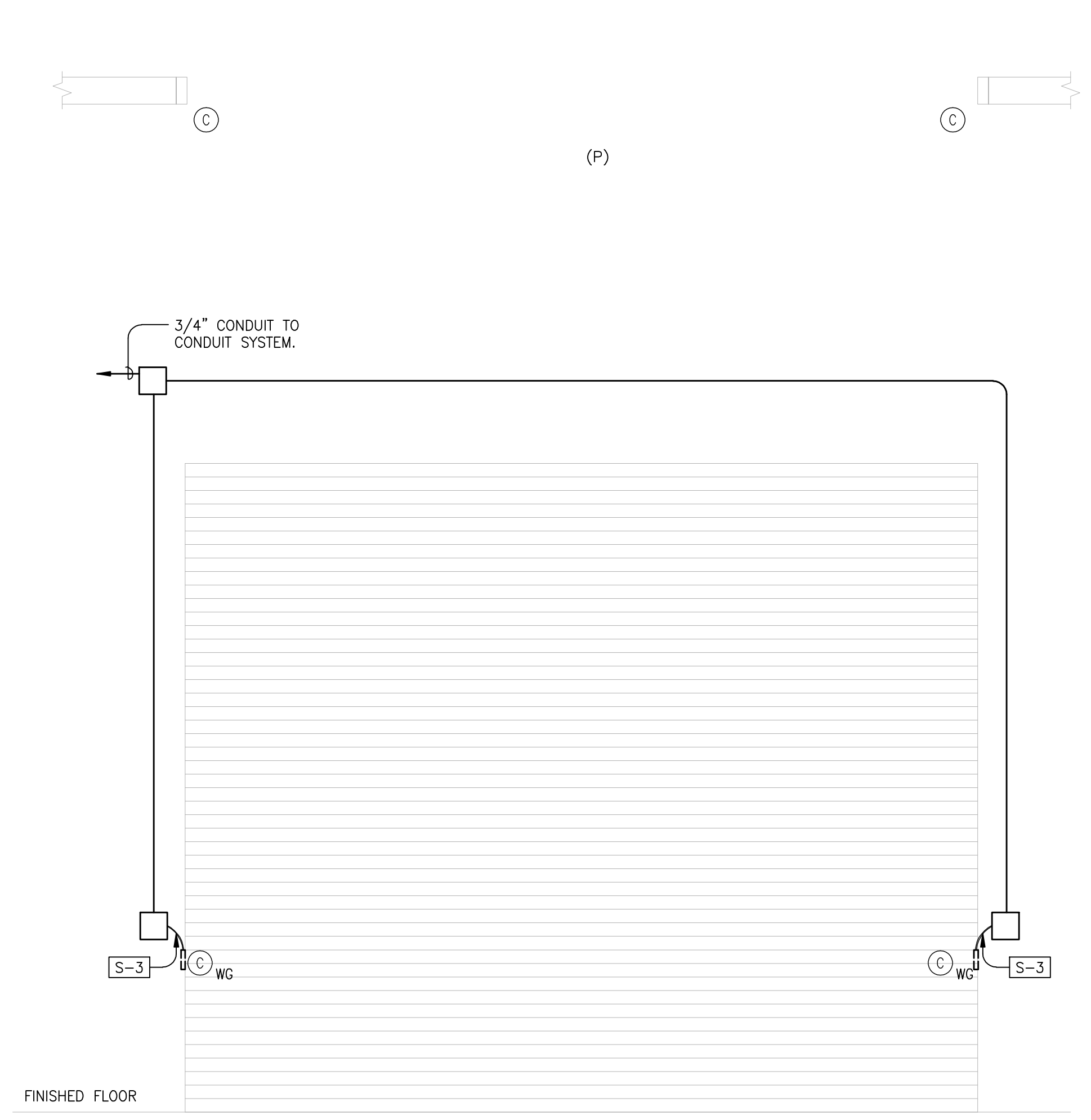
NUMBERED SHEET NOTES

SECURITY:

- [S-1] MOUNTED REQUEST TO EXIT DEVICE CENTERED ON TOP JAMB OR MULLION DIRECTLY ABOVE DOOR ON PROTECTED SIDE.
- [S-2] PROVIDED RECESSED MOUNTED 1" DIAMETER DOUBLE POLE DOUBLE THROW MAGNETIC CONTACTS. U.O.N.
- [S-3] ROUTED ARMORED CABLE INTO 4" SQ BOX WITH ROMEX CONNECTOR

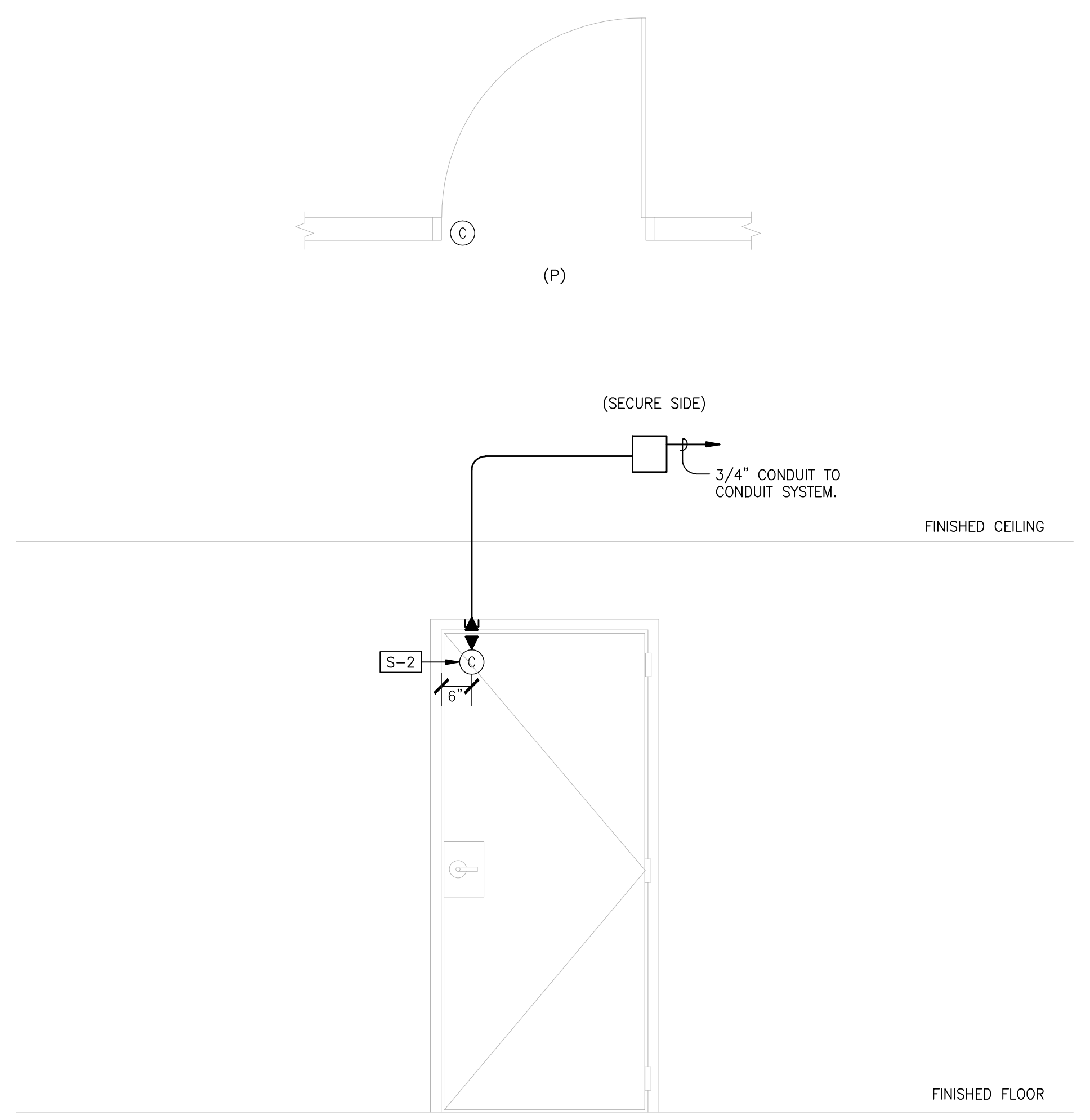
ELECTRICAL:

- [E-1] PROVIDED A 1-GANG DEVICE RING FOR THE 4" SQ BOX. MOUNTED AS CLOSE TO DOOR AS POSSIBLE.
- [E-2] STUBBED PATHWAY ABOVE CENTER HINGE FOR FISHING WIRE TO ELECTRIC THROUGH WIRE HINGE. SEE ELECTRICAL AS BUILTS FOR EXACT PATHWAY LOCATIONS AND DETAILS.
- [E-3] PROVIDED A 1-GANG DEVICE RING FOR THE 4" SQ BOX.



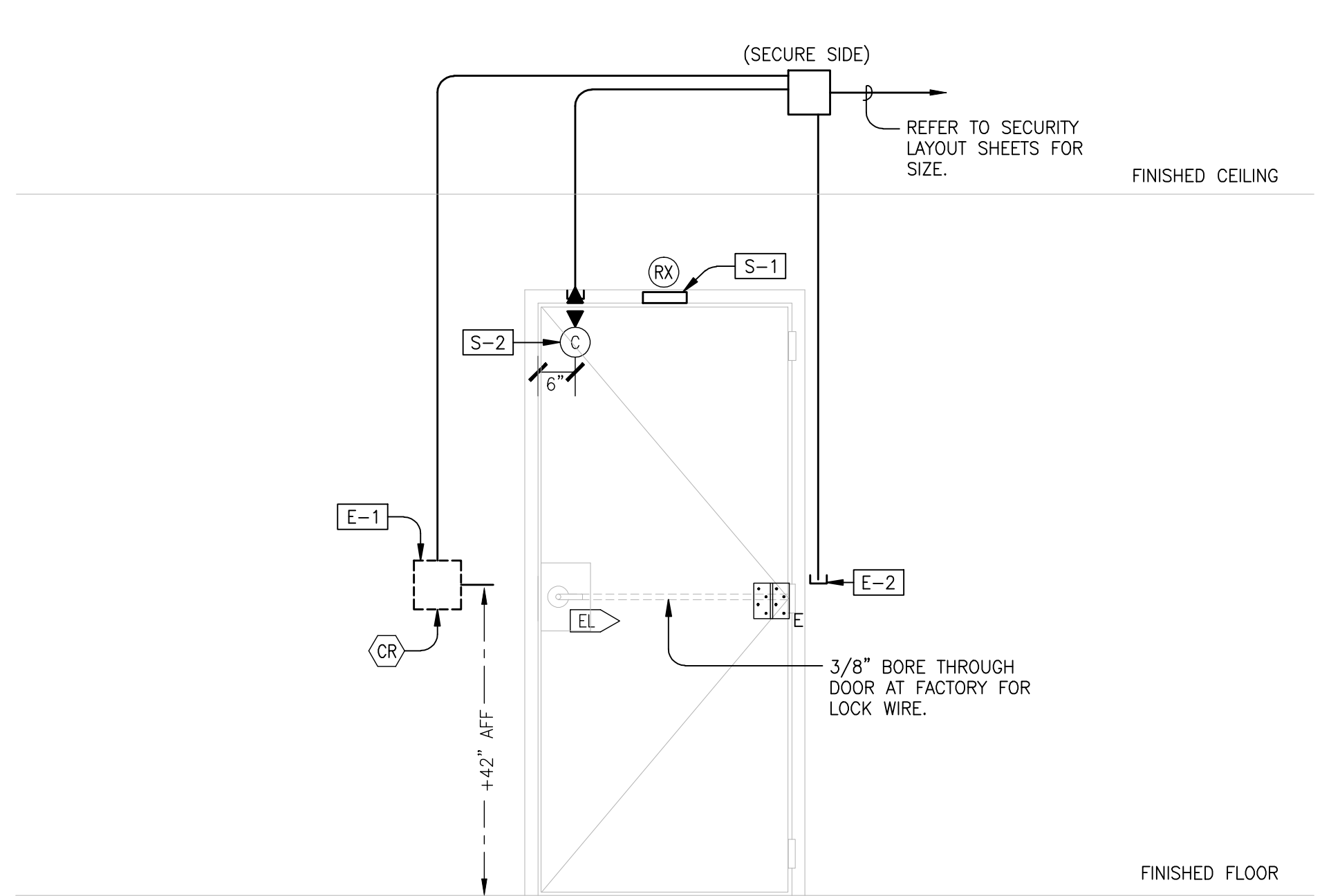
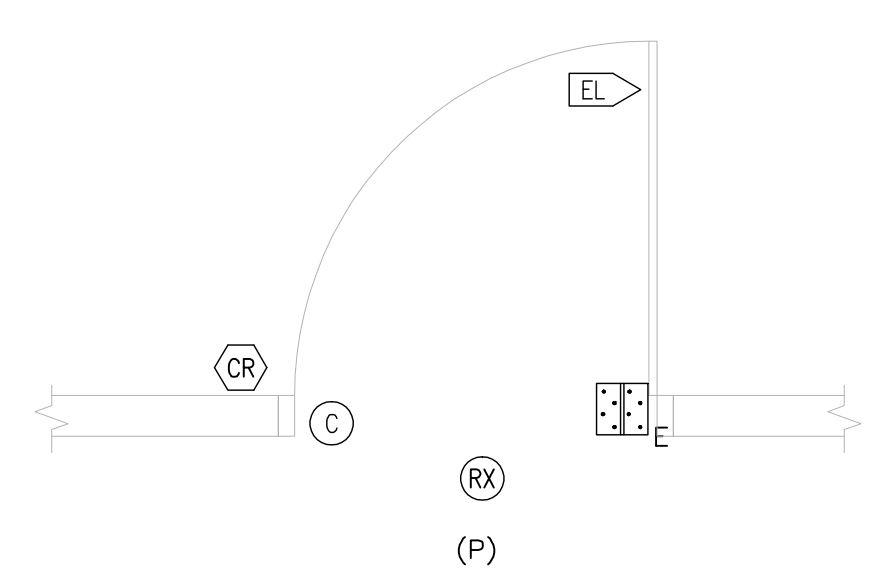
THEORY OF OPERATION:
 - NORMAL DOOR STATE IS CLOSED AFTER HOURS AND OPEN DURING BUSINESS HOURS.
 - DOOR IS MONITORED FOR ENTRANCE AND EXIT WHEN ALARM IS ARMED.

1 MONITORED ROLL-UP DOOR
SCALE: N.T.S.



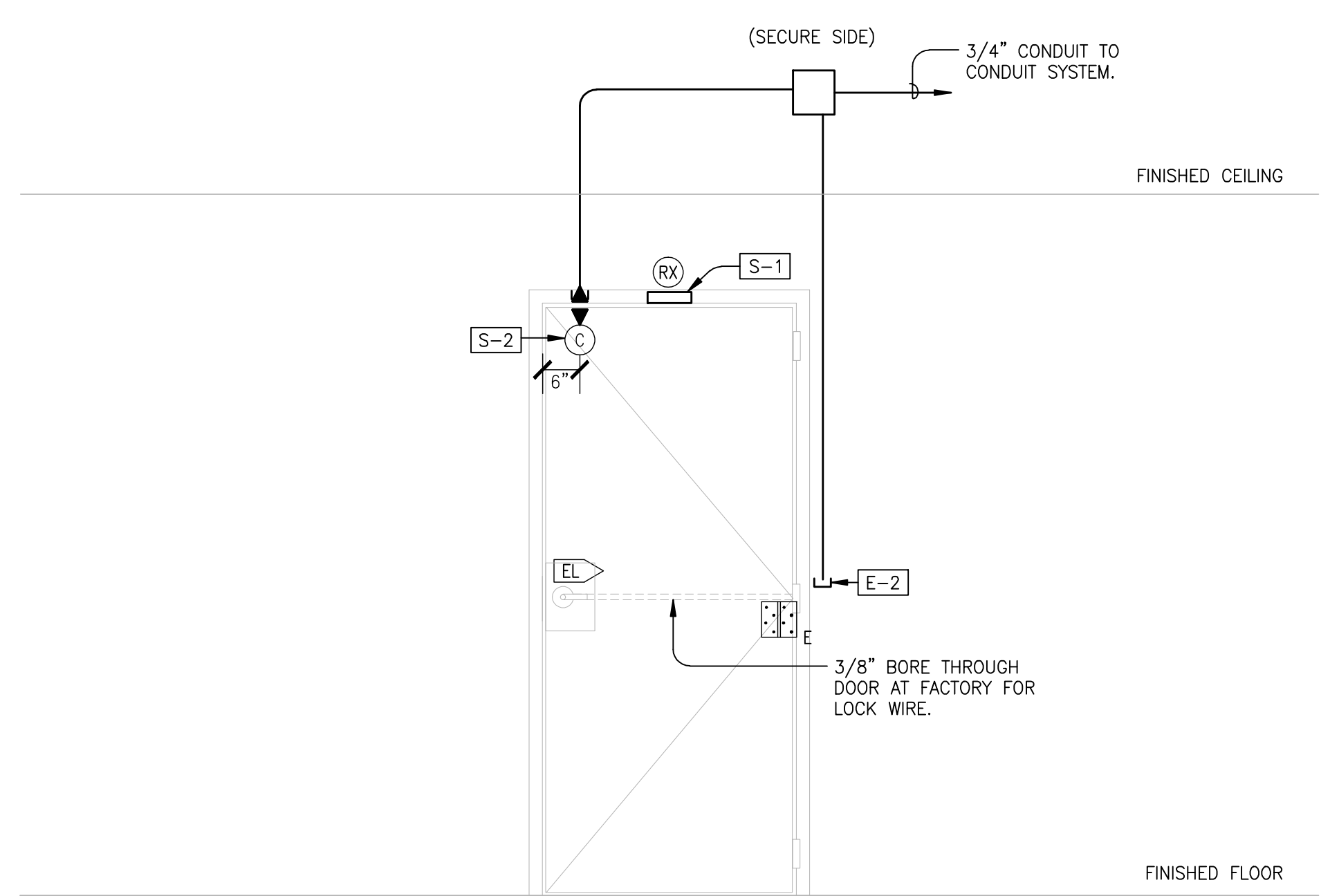
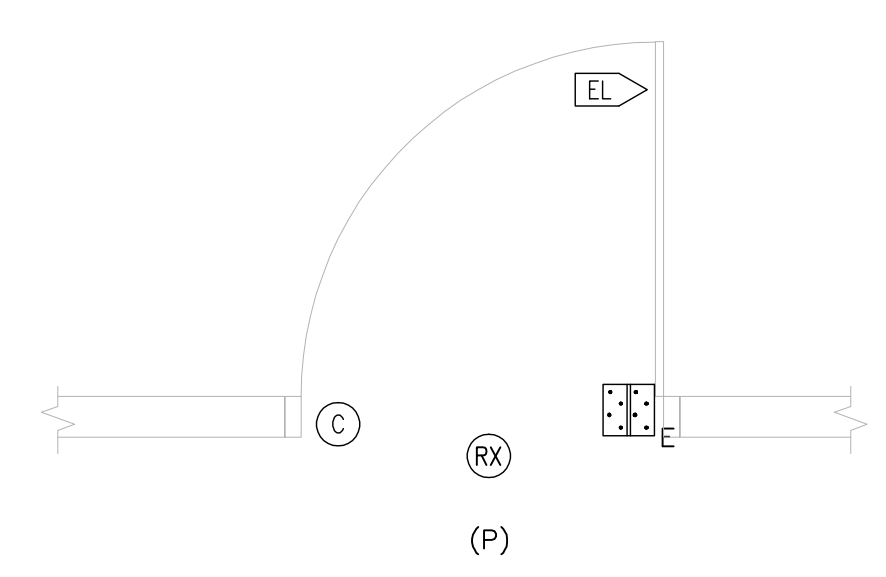
THEORY OF OPERATION:
 - NORMAL DOOR STATE IS CLOSED AND LOCKED AT ALL TIMES.
 - DOOR IS MONITORED FOR ENTRANCE AND EXIT WHEN ALARM SYSTEM IS ARMED.

2 MONITORED DOOR SINGLE NO REX
SCALE: N.T.S.



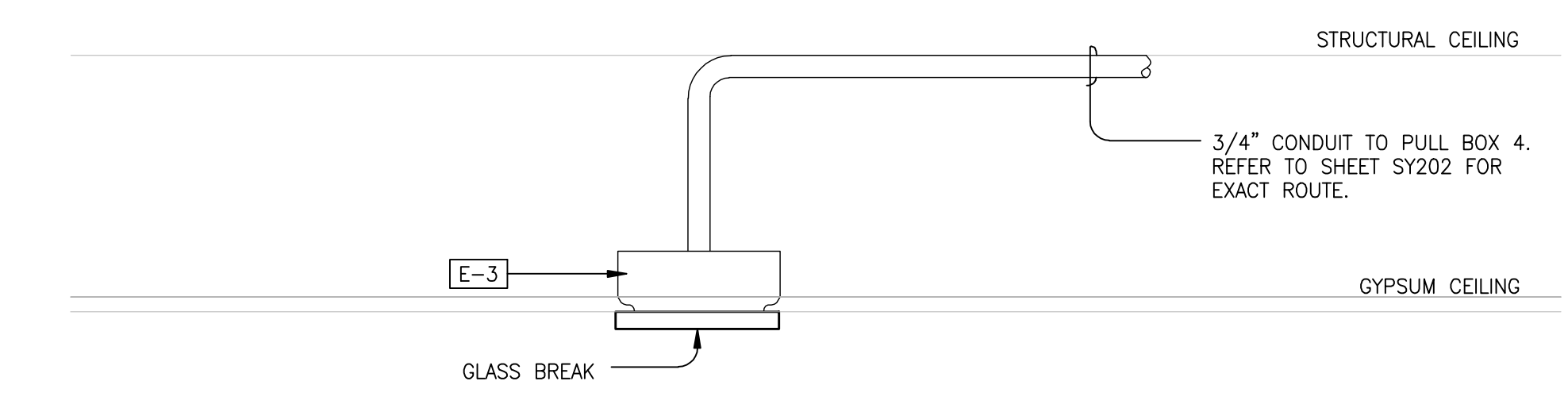
THEORY OF OPERATION:
 - NORMAL DOOR STATE IS CLOSED AT ALL TIMES.
 - DOOR IS LOCKED ON THE NON-PROTECTED SIDE AND UNLOCKED ON THE PROTECTED SIDE.
 - TO OPEN DOOR FROM NON-PROTECTED SIDE, CARD MUST BE PRESENTED TO UNLOCK DOOR.
 - REQUEST TO EXIT MOTION DETECTOR BYPASSES ALARM ONLY ON EXIT.

3 CARD READER SINGLE (LOCKSET)
SCALE: N.T.S.

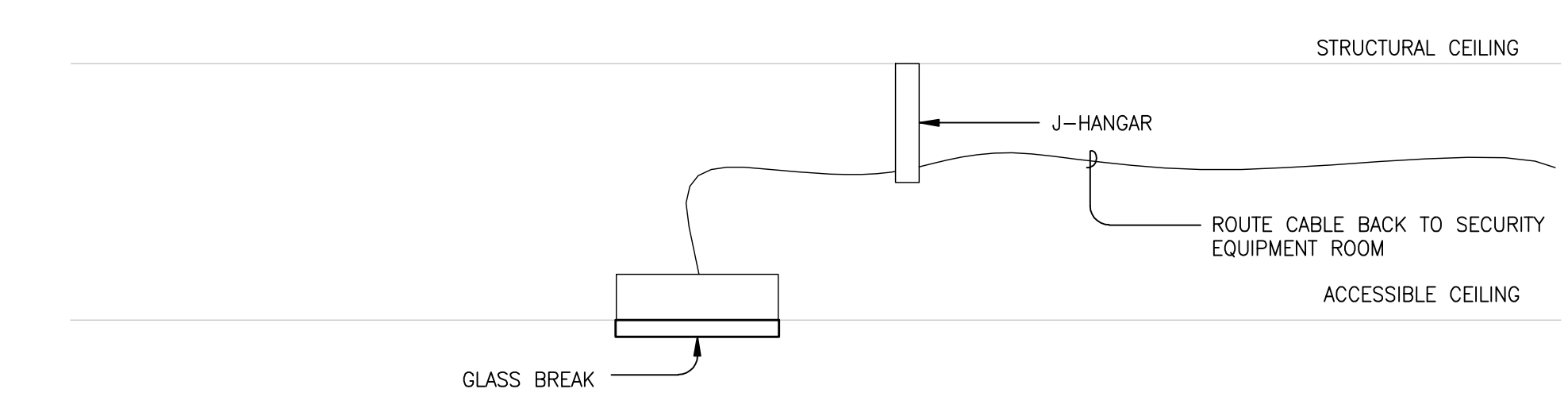


THEORY OF OPERATION:
 - DOOR IS SCHEDULED UNLOCKED DURING BUSINESS HOURS AND ALARM MONITORING IS BYPASSED.
 - AFTER HOURS DOOR IS SCHEDULED LOCKED AND ALARM IS ENABLED.
 - REQUEST TO EXIT MOTION DETECTOR BYPASSES ALARM ONLY ON EXIT.
 - LOCK IS POWERED CENTRALLY AT SECURITY EQUIPMENT HUB.

4 SCHEDULED UNLOCK SINGLE LOCKSET
SCALE: N.T.S.



5 GLASSBREAK SENSOR - STRUCTURAL CEILING MOUNT
SCALE: N.T.S.



6 GLASSBREAK SENSOR - ACCESSIBLE CEILING MOUNT
SCALE: N.T.S.

KEYPLAN:

ISSUANCE:
AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT OF NETVERSANT.

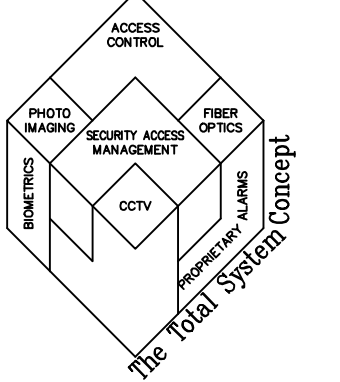
REVISIONS	
NO.	DESCRIPTION
9-4-09	REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
DOOR DETAILS

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.5.01
SHEET 8 OF 9



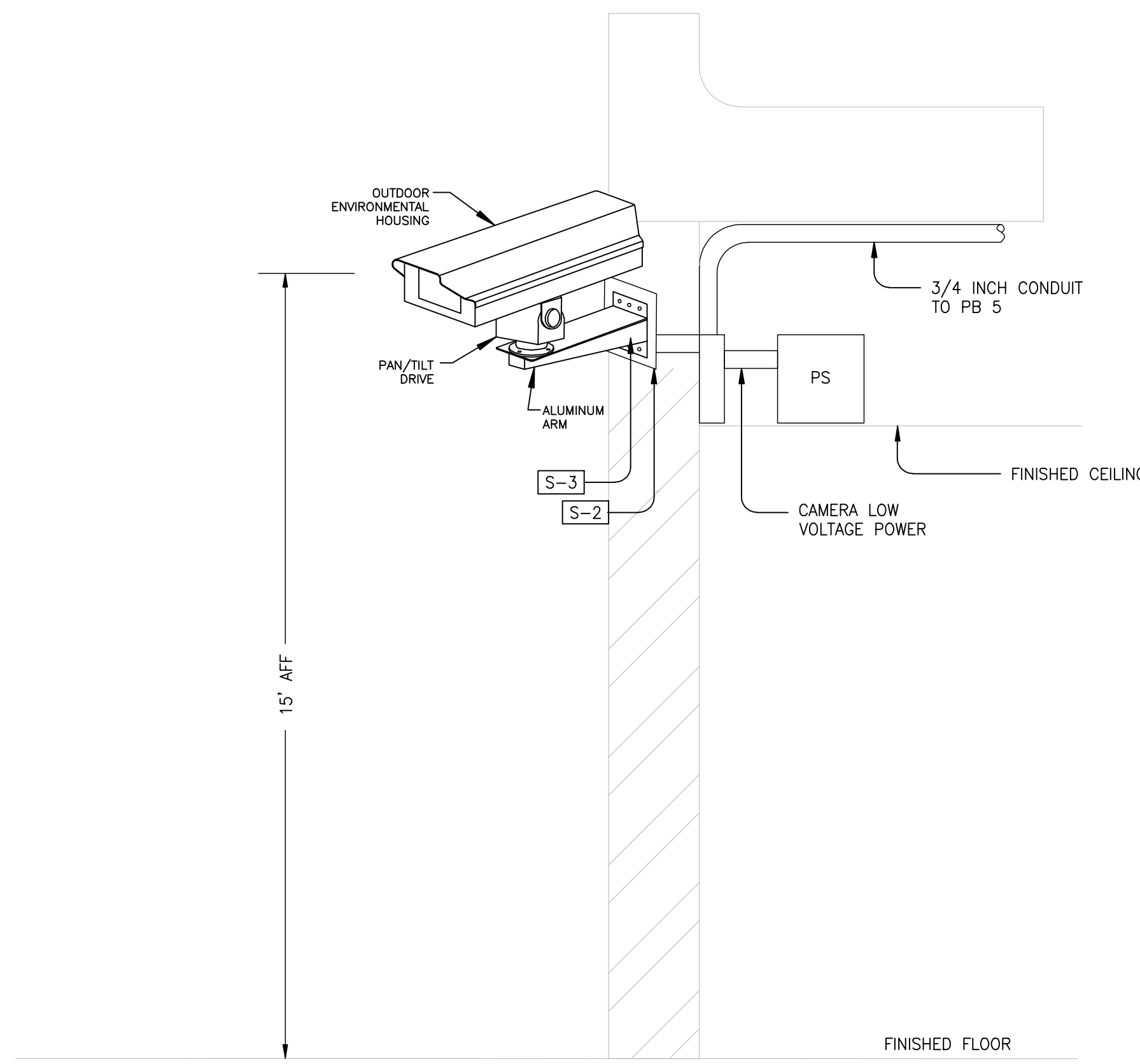
GENERAL SHEET NOTES

1. INSTALLED 1/2" CONDUIT BETWEEN JUNCTION BOXES AND DEVICES, U.O.N.
2. JUNCTION BOXES ARE 4" SQ. X 2-1/8" D, U.O.N.
3. CONCEALED CONDUIT MOUNTED BELOW THE CEILING LINE IN THE WALLS.
4. CONDUIT AND JUNCTION BOXES ARE NEW U.O.N.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.
6. PROVIDED HEATER/BLOWERS FOR EXTERIOR MOUNTED CAMERAS.

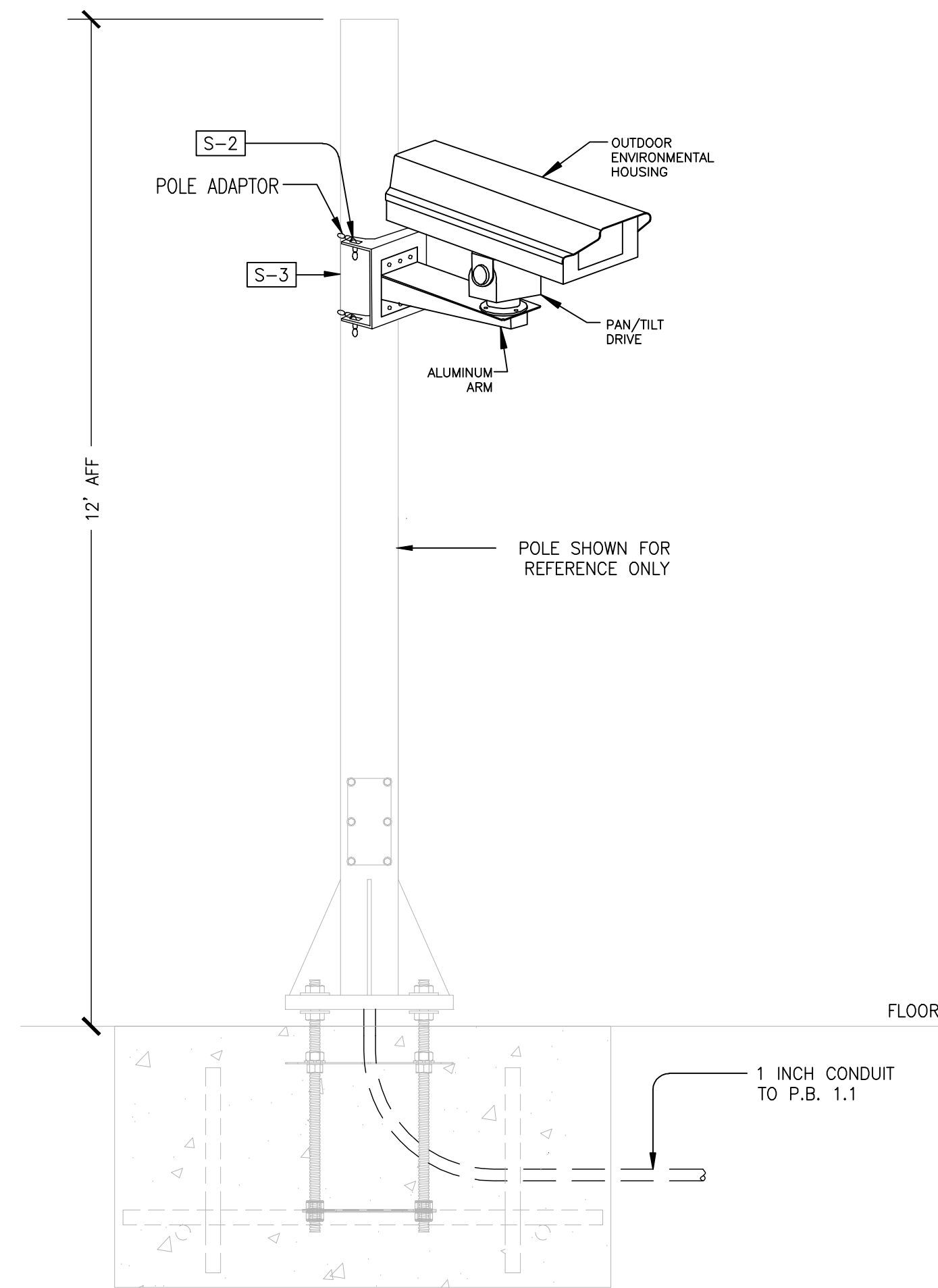
NUMBERED SHEET NOTES

SECURITY:

- S-1 PROVIDED WEATHER PROOF CCTV POWER SUPPLY.
- S-2 PROVIDED MOUNTING BRACKET, ANCHORED TO MANUFACTURER'S SPECIFICATIONS.
- S-3 PROVIDED WEATHER TIGHT FLEX CONDUIT FROM BELLBOX TO CCTV ENCLOSURE.



1 EXTERIOR WALL MOUNT- FIXED CAMERA
SCALE: N.T.S.



2 POLE MOUNT- FIXED CAMERA
SCALE: N.T.S.

KEYPLAN:

ISSUANCE:

AS BUILT DRAWINGS

PROPRIETARY INFORMATION
NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED
OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT
PRIOR WRITTEN CONSENT OF NETVERSANT.

REVISIONS		
NO.	DATE	DESCRIPTION
1	9-4-09	REVISE FOR AS BUILTS

PROJECT:
SKYLINE COLLEGE
FACILITIES MAINTENANCE CENTER
3300 SAN BRUNO, CA 94066

SHEET TITLE:
SECURITY SYSTEM
CAMERA DETAILS

CREATION DATE: --
DRAWN BY: MLAYMAN
CHECKED BY: CMAUST
SCALE: NTS
JOB NO.: 109701771F25

SHEET NUMBER
SEC.5.02

SHEET 9 OF 9