FIRE ALARM DEVICE LEGEND

FACP
MOUNT
FIRE ALARM CONTROL PANEL WITH BUILT IN ANNUNCIATOR MOUNTED SO THAT THE CENTER OF THE PANEL IS 48" ABOVE FINISHED FLOOR. "MOUNT" REFERS TO THE TYPE OF MOUNTING AS FOLLOWS:
S = SURFACE WALL MOUNTED 4'-0" AFF.
F = FLUSH WALL MOUNTED 4'-0" AFF.

FAA
MOUNT
FIRE ALARM ANNUNCIATOR MOUNTED SO THAT THE TOP OF THE PANEL IS 48" ABOVE FINISHED FLOOR. "MOUNT" REFERS TO THE TYPE OF MOUNTING AS FOLLOWS:
S = SURFACE WALL MOUNTED 4'-0" AFF.
F = FLUSH WALL MOUNTED 4'-0" AFF.

AUX
ADDRESS
MOUNT
ADDRESSABLE SPOT SMOKE DETECTOR. "ADDRESS" REFERS TO THE UNIQUE ADDRESS NUMBER ASSIGNED TO THE DEVICE. CERTAIN DEVICES MAY HAVE AN AUXILIARY RELAY PROVIDED FOR SPECIAL FUNCTIONS. "AUX" DEFINES THESE SPECIAL FUNCTIONS. "MOUNT" REFERS TO THE TYPE OF MOUNTING. IF NOT DESIGNATED, THEN THE DETECTOR MOUNTS ON THE CEILING IN THE LOCATION INDICATED ON THE PLANS ON A 4" OCTAGONAL BOX. "AUX" AND "MOUNT" CAN HAVE THE FOLLOWING ALTERNATIVE VALUES:
DH = DOOR HOLDER RELEASE.
FD = FIRE DOOR RELEASE.
SS = SINGLE STATION SMOKE DETECTOR.
WG = UNIT IS PROVIDED WITH A PROTECTIVE METAL GUARD.
P = PHOTOELECTRIC.
I = IONIZATION.
R = RELAY BASE.
ID = IN DUCT (INSIDE CELL CHASE).

AUX
ADDRESS
DUCT SMOKE DETECTOR. "ADDRESS" REFERS TO THE UNIQUE ADDRESS NUMBER ASSIGNED TO THE DEVICE. CERTAIN DEVICES MAY HAVE AN AUXILIARY RELAY PROVIDED FOR SPECIAL FUNCTIONS. "AUX" DEFINES THESE SPECIAL FUNCTIONS AS FOLLOWS:
AHU = AIR HANDLING UNIT SHUTDOWN.
DPR = SMOKE DAMPER ACTIVATION.

RI
ALARM LED THAT ILLUMINATES WHENEVER THE CONNECTED DUCT SMOKE DETECTOR IS ACTIVATED. MOUNT ON CEILING BELOW CONCEALED DUCT SMOKE DETECTORS.

ADDRESS
MOUNT
HEAT DETECTOR "ADDRESS" REFERS TO THE UNIQUE ADDRESS NUMBER ASSIGNED TO THE DEVICE. "MOUNT" REFERS TO OPTIONAL MOUNTING ARRANGEMENTS. IF NOT DESIGNATED, THEN THE DETECTOR MOUNTS ON A 4" OCTAGONAL CEILING BOX IN THE LOCATION INDICATED ON THE PLANS. OPTIONAL MOUNTING ARRANGEMENTS ARE AS FOLLOWS:
EX = MOUNTED BEHIND EXHAUST GRILL IN CELL.
WG = PROTECTIVE GUARD.

WF
ADDRESS
FIRE SPRINKLER WATER FLOW SWITCH FURNISHED AND INSTALLED BY SPRINKLER CONTRACTOR AND MONITORED BY THE FIRE ALARM SYSTEM. "ADDRESS" REFERS TO THE UNIQUE ADDRESS OR ZONE NUMBER ASSIGNED TO THE DEVICE.

VS
ADDRESS
FIRE SPRINKLER VALVE TAMPER (SUPERVISORY) SWITCH FURNISHED AND INSTALLED BY SPRINKLER CONTRACTOR AND MONITORED BY THE FIRE ALARM SYSTEM. "ADDRESS" REFERS TO THE UNIQUE ADDRESS OR ZONE NUMBER ASSIGNED TO THE DEVICE.

VS PIV
ADDRESS
FIRE SPRINKLER POST INDICATOR VALVE SWITCH FURNISHED AND INSTALLED BY SPRINKLER CONTRACTOR AND MONITORED BY THE FIRE ALARM SYSTEM. "ADDRESS" REFERS TO THE UNIQUE ADDRESS OR ZONE NUMBER ASSIGNED TO THE DEVICE.

F
ADDRESS
MOUNT
MANUAL PULL STATION. "ADDRESS" REFERS TO THE UNIQUE ADDRESS OR ZONE NUMBER ASSIGNED TO THE DEVICE. INSTALL DEVICE 4'-0" AFF. "MOUNT" REFERS TO OPTIONAL MOUNTING CONFIGURATIONS AS FOLLOWS:
WG = PROTECTIVE GUARD.
K = KEY REQUIRED TO ACTIVATE STATION.

CANDELA
HEIGHT
CIRCUIT
WALL MOUNTED VISUAL ONLY NOTIFICATION APPLIANCE. "CIRCUIT" REFERS TO THE UNIQUE IDENTITY ASSIGNED TO THE DEVICE. INSTALL DEVICE FLUSH AT 6'-8" UNLESS INDICATED DIFFERENTLY BY "HEIGHT". "WG" INDICATES A UL LISTED PROTECTIVE GUARD. "CANDELA" REFERS TO THE DIFFERENT INTENSITIES AS FOLLOWS:
15 CANDELA
30 CANDELA
75 CANDELA
110 CANDELA

CANDELA
CIRCUIT
CEILING MOUNTED VISUAL ONLY NOTIFICATION APPLIANCE. "CIRCUIT" REFERS TO THE UNIQUE IDENTITY ASSIGNED TO THE DEVICE. INSTALL DEVICE FLUSH AT CEILING. "WG" INDICATES A UL LISTED PROTECTIVE GUARD. "CANDELA" REFERS TO THE DIFFERENT INTENSITIES AS FOLLOWS:
15 CANDELA
30 CANDELA
75 CANDELA
110 CANDELA

CANDELA
HEIGHT
CIRCUIT
COMBINATION AUDIBLE AND VISUAL NOTIFICATION APPLIANCE. "CIRCUIT" REFERS TO THE UNIQUE IDENTITY ASSIGNED TO THE DEVICE. INSTALL DEVICE FLUSH AT 6'-8" UNLESS INDICATED DIFFERENTLY BY "HEIGHT". "C" INDICATES CEILING MOUNTED. "WG" INDICATES A UL LISTED PROTECTIVE GUARD. "CANDELA" REFERS TO THE DIFFERENT INTENSITIES AS FOLLOWS:
15 CANDELA
30 CANDELA
75 CANDELA
110 CANDELA

AOM
ADDRESS
ADDRESSABLE OUTPUT MODULE. PROVIDES UNIQUE ADDRESS FOR CONTROL.

AIM
ADDRESS
ADDRESSABLE INPUT MODULE. PROVIDES UNIQUE ADDRESS FOR MONITORING.

TVSS
TRANSIENT VOLTAGE SURGE SUPPRESSOR COMPATIBLE WITH FIRE ALARM SYSTEM. LOCATE WHERE WIRING LEAVES THE BUILDING.

DH
MAGNETIC DOOR HOLDER DEVICE.

GENERAL NOTES:

1. DEVICE AND CONDUIT LAYOUT ON FLOOR PLANS IS DIAGRAMMATIC AND IS PROVIDED TO INDICATE HOW SYSTEMS ARE INSTALLED, INTERCONNECTED, AND ROUTED. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND CONFIGURATION.
2. DIVISION 26 TO FURNISH AND INSTALL ALL 120 VAC POWER FOR THE DIVISION 27/28 EQUIPMENT.
3. DIVISION 26 TO PROVIDE CIRCUIT BREAKERS IN POWER PANELS TO SERVE EQUIPMENT RACKS, CCTV MONITORS, AND COMPUTER STATIONS AS INDICATED ON THE DRAWINGS.
4. THE DIVISION 27/28 EQUIPMENT SHALL BE CONNECTED TO A UNIFIED GROUND SYSTEM PROVIDED BY DIVISION 26. ALL TRANSIENT VOLTAGE SURGE SUPPRESSION GROUND CONNECTIONS MUST BE NO GREATER THAN 1 OHM.
5. ALL DIVISION 27/28 SECURITY ELECTRONICS CONTROL EQUIPMENT IS TO BE POWERED FROM UPS CIRCUITS.
6. ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
7. ANY MODIFICATION TO CONDUIT ROUTINGS FROM THAT SHOWN ON THESE PLANS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. ALL CONDUIT INSTALLATION SHALL BE SUPERVISED BY A MASTER LICENSED ELECTRICIAN.
8. ALL CONDUIT INSTALLED IN OTHER THAN EQUIPMENT ROOMS SHALL BE CONCEALED.
9. FULLY COORDINATE THE MOUNTING LOCATIONS OF ALL PULL BOXES AND CONDUIT ROUTING WITH ALL TRADES. ALL DEVICES SHALL BE FIELD LOCATED TO AVOID DAMAGE FROM DOORS OPENING AND CONTACTING WALLS.
10. INSTALL ALL PULL BOXES BEHIND ACCESS PANELS OR IN ACCESSIBLE AREAS.
11. DIVISION 26 SHALL FURNISH AND INSTALL A 2 AMP 120 VAC POWER CIRCUIT FROM THE SECURITY SYSTEM UPS TO EACH EXTERIOR MOUNTED CAMERA USING FIBER. CIRCUIT IS USED TO POWER CAMERA AND MEDIA CONVERTERS AT EACH CAMERA LOCATION.
12. LOW VOLTAGE WIRING SHALL BE INSTALLED IN A SEPARATE RACEWAY FROM ALL 120 VAC CONDUCTORS.
13. CONDUITS ROUTED INTO CONTROL ROOMS AND BEHIND COUNTERS SHALL STUB UP INTO CONSOLE OR WIRE CHASE PROVIDED BEHIND MILLWORK.
14. CONDUIT IN INMATE AREAS, AND WHERE FEASIBLE IN THE REMAINDER OF THE FACILITY SHALL BE ROUTED UNDER SLAB.
15. JUNCTION BOXES SHALL BE SIZED TO ACCEPT THE NUMBER OF TERMINATING CONDUITS.
16. FURNISH A HOME RUN CONDUIT FOR EACH DEVICE OR GROUP OF DEVICES AS INDICATED ON THE PLANS. NO MORE THAN TWO DEVICES OF THE SAME SYSTEM CAN BE CONNECTED TOGETHER AND THEN HOME RUN BACK TO THE MAIN EQUIPMENT ROOM.
17. DEVICES AND PANELS ARE NUMBERED BY BUILDING. FOR EXAMPLE A COMPUTER CONTROL STATION IN AREA C IS LABELED "CCS.C". MULTIPLE OCCURRENCES OF THE SAME PANEL ARE DESIGNATED WITH AN ADDITIONAL NUMBER.
18. ALL DIVISION 27 & 28 SYSTEMS COMMUNICATION BETWEEN AREAS SHALL BE OVER OPTIC FIBERS. THE DIVISION 28 CONDUIT SHOWN ON THESE DRAWINGS SHALL BE REVIEWED/APPROVED/COORDINATED BY THE SECURITY ELECTRONICS CONTRACTOR/INTEGRATOR.
19. PROVIDE A BACKBOX SCHEDULE FOR ALL DIVISION 27/28 EQUIPMENT PRIOR TO CONDUIT INSTALLATION. CONDUIT AND BACKBOXES SHALL BE SIZED TO ACCEPT THE NUMBER OF WIRES TO BE INSTALLED. PROVIDE CONDUIT AND WIRING SCHEDULE INDICATING CONDUIT AND FILL RATIO COMPLIES WITH NEC.
20. DIVISION 28 CONTRACTOR SHALL FULLY COORDINATE THE FINAL LOCATION OF ALL CAMERAS TO PREVENT CAMERA VIEWS BEING BLOCKED BY LIGHT FIXTURES, HVAC FIXTURES, AND ALL OTHER OBSTRUCTIONS. DIVISION 28 CONTRACTOR SHALL INCLUDE IN THE BID, COST TO RELOCATE 10% OF THE CCTV CAMERAS.
21. FULLY COORDINATE ALL DEVICES AND INSTALLATION WITH APPROVED HVAC AND SPRINKLER PLANS AND SHOP DRAWINGS.
22. DIVISION 26 TO FURNISH AND INSTALL CONDUIT AND WIRE FOR POWER DISTRIBUTION AS REQUIRED BY NEC AND LOCAL CODES. DIVISION 26 TO PROVIDE CONDUIT AND WIRE FROM BREAKER PANEL TO TVSS BACKBOARD, FROM TVSS BACKBOARD TO RACK TERMINATION POINTS, AND FROM BREAKER TO CONTROL ROOM RECEPTACLE. FULLY COORDINATE EQUIPMENT INSTALLATION WITH DIVISION 26.

SECURITY DEVICE LEGEND

2T2D
COMMUNICATIONS OUTLET MOUNTED 18" ABOVE FINISHED FLOOR (UNLESS NOTED OTHERWISE) AND SIX INCHES FROM POWER RECEPTACLE. FURNISH AND INSTALL A SEPARATE 3/4" CONDUIT FROM EACH OUTLET BACK TO LOCAL TELEPHONE ROOM FOR OUTLETS WITH TWO OR FEWER JACKS. FURNISH AND INSTALL A SEPARATE 1" CONDUIT FROM EACH OUTLET BACK TO LOCAL TELEPHONE ROOM FOR OUTLETS WITH MORE THAN TWO JACKS. ALTERNATE NOTATIONS ARE AS FOLLOWS:
C = COUNTER MOUNTED OUTLET 4" ABOVE COUNTER BACKSPLASH. COORDINATE WITH MILLWORK PROVIDER.
W = WALL MOUNTED OUTLET 48" ABOVE FINISHED FLOOR.
CL = CEILING MOUNT.
#T = RJ45 CAT 6 TELEPHONE JACK. "#" INDICATES QUANTITY OTHER THAN ONE.
#D = RJ45 CAT 6 DATA JACK. "#" INDICATES QUANTITY OTHER THAN ONE.

TVSS1, MUX
ARROWS INDICATE A CONDUIT HOME RUN TO THE CABINET OR PULL BOX INDICATED. HOME RUNS THAT ARE SUPPRESSED ARE ROUTED FIRST TO THE APPROPRIATE SURGE SUPPRESSION BOARD AND THEN TO THE TERMINATING EQUIPMENT (I.E. "TVSS1, LR" INDICATES THAT THE RUN IS ROUTED TO THE TVSS1 SUPPRESSION BACKBOARD AND THEN TO THE APPROPRIATE LOCKING RACK.)

ID.#
LOCATIONS OF CONTROL PANELS, RACKS AND SPECIAL PULL BOXES. REFER TO RISERS AND THE SPECIFICATION FOR SPECIFIC EQUIPMENT. "ID" IDENTIFIES THE PANEL AND IS NOT A COUNT OF PANELS. PANELS ARE IDENTIFIED AS FOLLOWS:
CCTV = CCTV PULL BOX.
ELEC = ELECTRICAL POWER SENSOR INTERFACE CABINET.
FODP = FIBER OPTIC DISTRIBUTION PANEL.
IC.# = INTERCOM AND PAGING EQUIPMENT RACK.
LR.# = EITHER FREE STANDING LOCKING RACK OR PULL CABINET.
MON.# = CCTV MONITOR - SEE RISER FOR DESCRIPTION.
PLC.# = PLC CONTROL RACK.
TVSS = TRANSIENT VOLTAGE SURGE SUPPRESSION CABINET.
TELD = TELEPHONE/DATA/CCTV EQUIPMENT RACK. FLOOR OR WALL MOUNTED.
TELE = TELEPHONE BACKBOARD FOR PUNCHDOWN BLOCKS. FIRE RATED 4' X

90° ID
MOUNT
CCTV CAMERA WITH 90° FIELD OF VIEW. OTHER FIELDS OF VIEW ARE AS INDICATED ON THE PLANS. "ID" IS FOR CAMERA IDENTIFICATION ONLY AND DOES NOT REPRESENT A COUNT. PROVIDE A 4" SQUARE BOX WITH FLEXIBLE CONDUIT TO HOUSING. REFER TO CAMERA SCHEDULE ON SHEET SS#.## FOR CAMERA MOUNTING HEIGHTS. "MOUNT" REFERS TO THE TYPE OF MOUNTING AS FOLLOWS:
C = INTERIOR CEILING MOUNTED TO 4" SQUARE 2 1/8" DEEP BOX.
W = INTERIOR WALL MOUNTED TO 4" SQUARE 2 1/8" DEEP BOX.
XW = EXTERIOR WALL MOUNTED TO 4" SQUARE 2 1/8" DEEP BOX.
CRNR = INTERIOR CORNER MOUNTED.

M ID
MONITORED DOOR. "ID" IS THE ARCHITECTURAL DOOR NUMBER . THE LOWER CASE m INDICATES A SENTROL SWITCH INSTEAD OF A DETENTION DOOR POSITION SWITCH.

E ID
CONTROLLED DOOR WITH SECURITY LOCK. TERMINATE CONDUIT IN DOOR FRAME LOCK POCKET OR DOOR POSITION SWITCH POCKET. "ID" IS THE ARCHITECTURAL DOOR NUMBER.

es ID
COMMERCIAL DOOR ELECTRIC STRIKE. "ID" IS THE ARCHITECTURAL DOOR NUMBER.

IC ID
INTERCOM STATION, THREE GANG BOX, WALL MOUNTED 4'-0" AFF AND A MAXIMUM OF 8" FROM DOOR. "FR" FRAME MOUNTED. "ID" IS FOR IDENTIFICATION ONLY AND DOES NOT REPRESENT A COUNT.

EC ID
EMERGENCY CALL STATION, THREE GANG BOX, WALL MOUNTED 4'-0" AFF AND A MAXIMUM OF 8" FROM DOOR OR AS DETAILED BY THE ARCHITECT. "ID" IS FOR IDENTIFICATION ONLY AND DOES NOT REPRESENT A COUNT.

S ID
INTERIOR PAGING SPEAKER. "ID" IDENTIFIES THE PAGING ZONE WHILE "MOUNT" DESIGNATES THE MOUNTING CONFIGURATION AS FOLLOWS:
FG = FLUSH GRILLE
SG = SURFACE BOX AND GRILLE
W = WALL MOUNT 10' AFF

RDR ID
PROXIMITY CARD READER MOUNTED ON SINGLE GANG BOX, 4'-0" AFF. "ID" IS FOR IDENTIFICATION ONLY AND DOES NOT REPRESENT A COUNT.

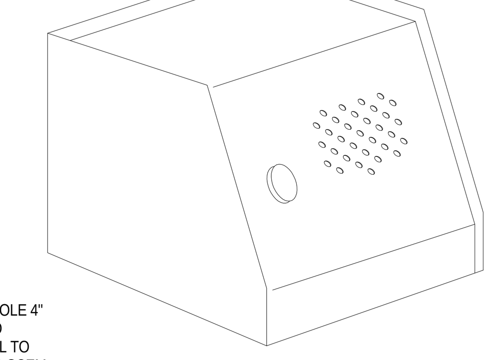
REX ID
REQUEST TO EXIT BUTTON MOUNTED ON SINGLE GANG BOX, 4'-0" AFF. "ID" IS FOR IDENTIFICATION ONLY AND DOES NOT REPRESENT A COUNT.

TIC
TOUCHSCREEN INTERFACE CONSOLE.

UPS
UNINTERRUPTIBLE POWER SUPPLY.

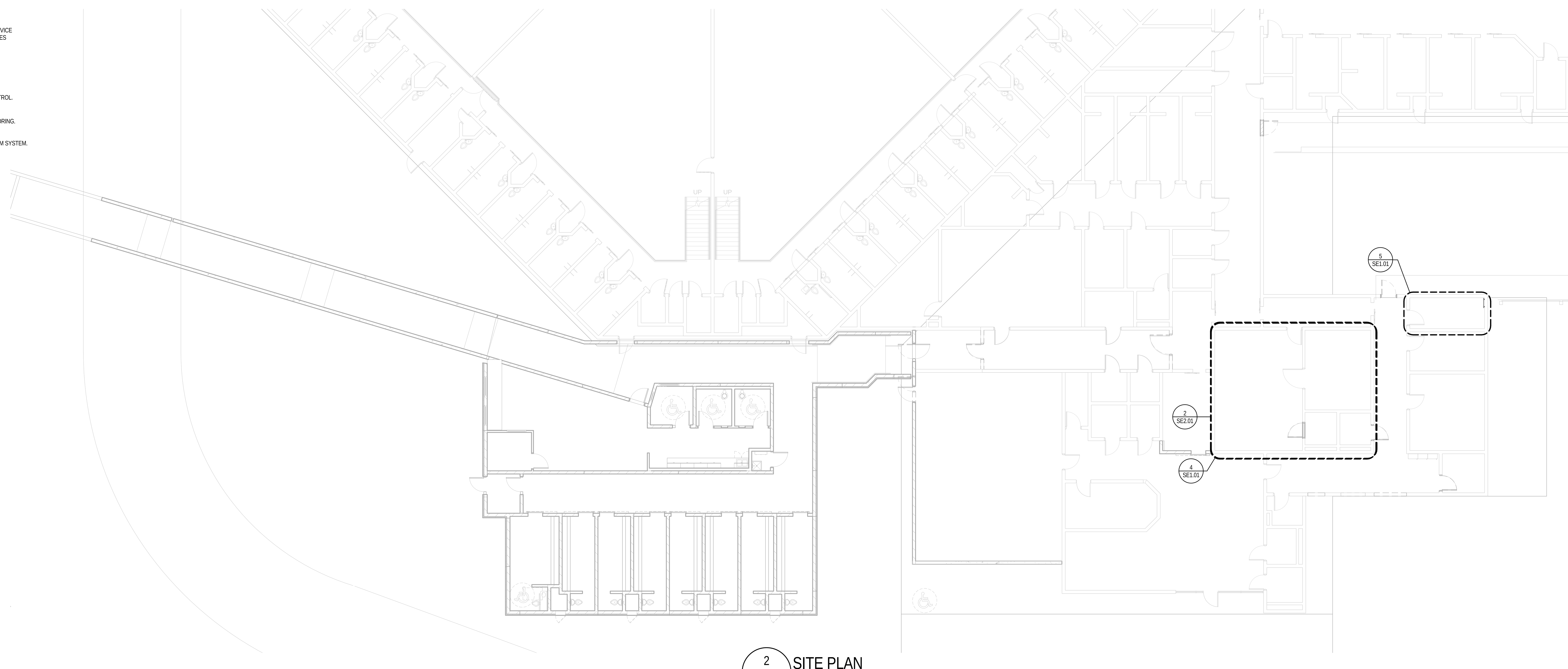
SSI
SECURITY SYSTEM INTEGRATOR.

ESC
ELECTRONIC SECURITY CONTRACTOR.



SLOPED INSTRUMENT CONSOLE 4" TO 7" WIDE AS REQUIRED TO HOUSE ELECTRONICS EQUAL TO HAMMOND MANUFACTURING SCEM SERIES. BOLT TO COUNTERTOP.

1
SE0.00
COUNTERTOP MOUNTED INTERCOM STATION
SCALE: NONE



2
SE0.00
SITE PLAN
SCALE: 1"=10'

REGISTERED PROFESSIONAL ENGINEER
FRANK ALOIS NIEDZWIEDZ
18008
EXPIRES 12/31/2014
STATE OF CALIFORNIA
8-19-13

1570 KINGS COUNTY DRIVE
HANFORD, CA 93230

SECURITY ELECTRONICS AND FIRE ALARM LEGEND
KINGS COUNTY JAIL-TRANSFER TUNNEL
HANFORD, CA 93230

SE0.00
75-13107-00
03/28/13
Revisions

R&N SYSTEMS DESIGN L.L.C.

DLR Group
Architecture Engineering Planning Interiors

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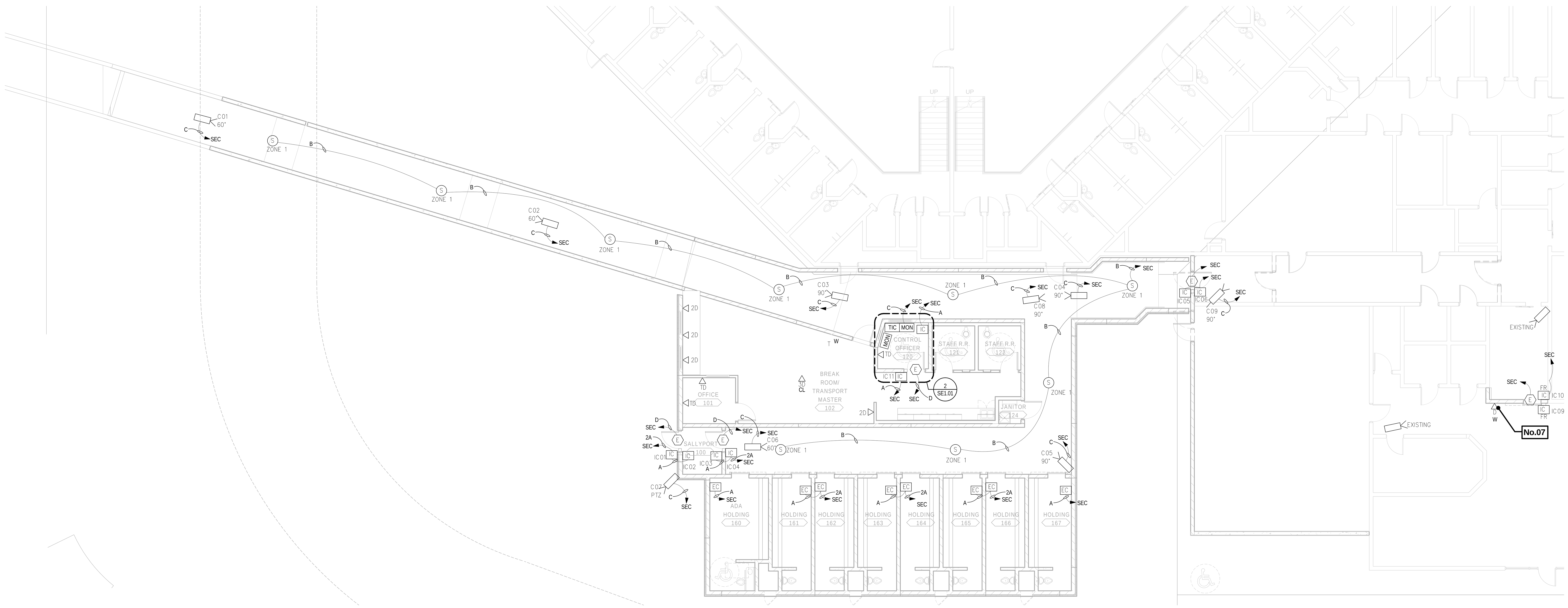
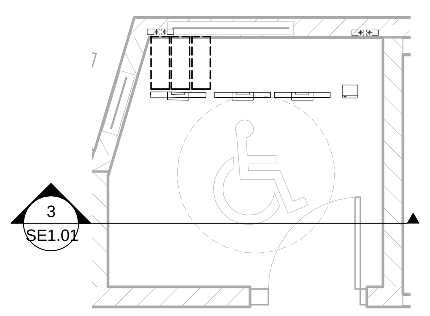
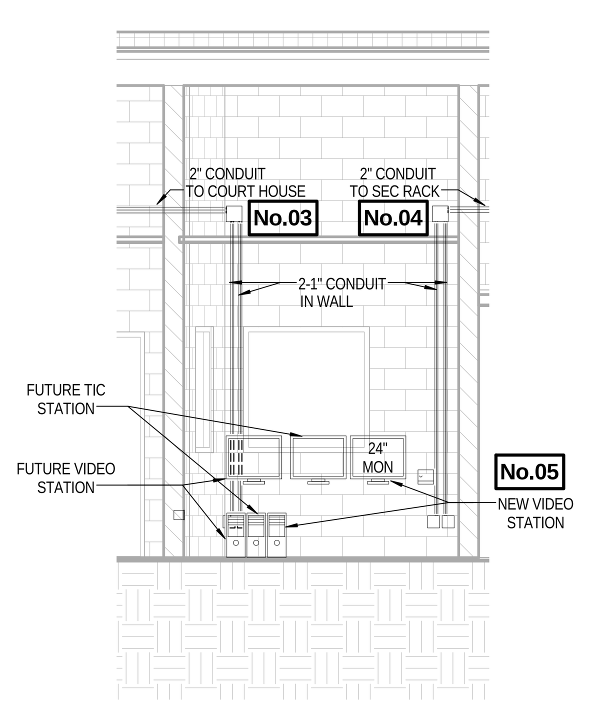


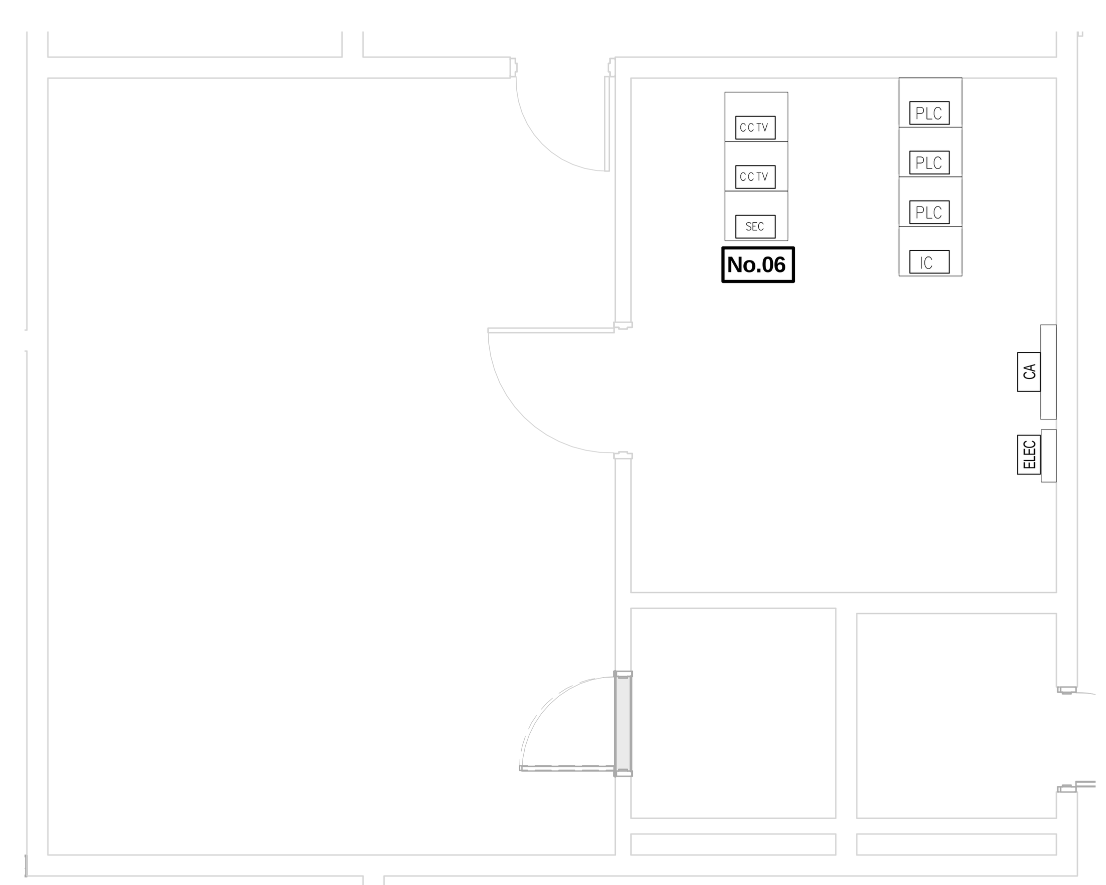
1 SE1.01 SECURITY ELECTRONICS OVERALL TUNNEL PLAN
SCALE: 1/8" = 1'-0"



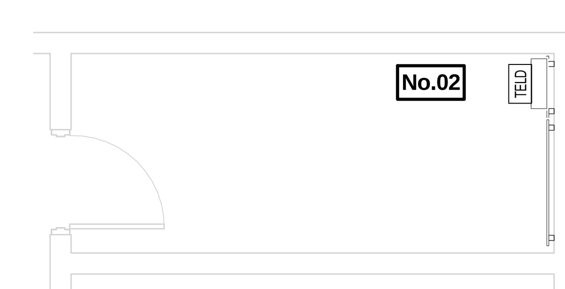
2 SE1.01 CONTROL OFFICER ROOM 120 LARGE SCALE DETAIL
SCALE: 1/4" = 1'-0"



3 SE1.01 CONTROL OFFICER ROOM 120 ELEVATION
SCALE: 1/4" = 1'-0"



4 SE1.01 SECURITY ELECTRONICS ROOM 1007 LARGE SCALE DETAIL
SCALE: 1/4" = 1'-0"



5 SE1.01 TELEPHONE DATA ROOM LARGE SCALE DETAIL
SCALE: 1/4" = 1'-0"

WIRE LEGEND

SYMBOL	WIRE	FUNCTION	NEC TYPE
A	West Penn 25357B: 4 Conductors, Twisted - 2 Shielded, 2 Unsheilded, 22 AWG	Emergency Call	CL2
B	West Penn 25292B: 2 Pair, Shielded, Twisted, 20 AWG	Paging Speaker	CL2
C	West Penn 254246: 4 Pair, Solid 23 AWG, Green	IP Camera	CL2
D	#14 AWG THHN	Lock	CL2

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SE0.00 AND INCORPORATE AS APPLICABLE.

2. FURNISH AND INSTALL A SEPARATE CONDUIT HOMERUN FOR EACH COMMUNICATIONS OUTLET TO TELD RACK. FURNISH AND INSTALL A 3/4" CONDUIT FOR COMMUNICATIONS OUTLETS WITH 2 OR FEWER JACKS. FURNISH AND INSTALL A 1" CONDUIT FOR OUTLETS WITH MORE THAN 2 JACKS. ROUTE ALL TEL/DATA OUTLETS SHOWN ON THIS SHEET TO COMMUNICATIONS ROOM A105 (TELD.A) UNLESS OTHERWISE INDICATED. ALL COMMUNICATIONS CONDUIT SHALL BE ROUTED OVERHEAD STUB UP TO CABLE TRAY. CONDUIT IS NOT INDICATED HERE FOR DRAFTING PURPOSES. (TYPICAL)

3. FURNISH AND INSTALL A 6"X6"X4" SURFACE BOX ABOVE THE CEILING IN CONTROL ROOM 120 FOR CONNECTION TO THE FUTURE COURTHOUSE CONTROL SYSTEM. ROUTE TWO 1" CONDUITS INSIDE THE WALL TO 4" SQUARE BOXES WITH SINGLE GANG PLASTER RINGS UNDER THE COUNTER. INSTALL THE 2" CONDUIT IN THE CORRIDORS ON THE CEILING. FURNISH AND INSTALL BLANK COVER PLATES FOR ALL BOXES.

4. FURNISH AND INSTALL A 6"X6"X4" SURFACE BOX ABOVE THE CEILING IN CONTROL ROOM 120 FOR CONNECTION TO EXISTING DOOR LOCKING CONTROL SYSTEM IN SECURITY ELECTRONICS ROOM 1007. ROUTE TWO 1" CONDUITS INSIDE THE WALL TO 4" SQUARE BOXES WITH SINGLE GANG PLASTER RINGS UNDER THE COUNTER. INSTALL THE 2" CONDUIT IN THE CORRIDORS ON THE CEILING. FURNISH AND INSTALL ALL REQUIRED CABLING. FURNISH AND INSTALL APPROPRIATE COVER PLATES FOR ALL BOXES.

5. ESC TO FURNISH AND INSTALL A NEW CCTV IP VIDEO MONITORING STATION TO DISPLAY VIDEO FROM THE CORRIDOR CAMERAS.

6. ESC TO FURNISH AND INSTALL A NEW RACK (SEC) FOR ELECTRONIC COMPONENTS TO SUPPORT THE CCTV IP VIDEO SYSTEM AND MODIFICATIONS TO THE EXISTING DOOR LOCKING CONTROL SYSTEM.

7. FURNISH AND INSTALL A DATA JACK AT 48" AFF FOR THE RELOCATION OF THE VIDEO VISITATION STATION. COORDINATE WITH ALL TRADES.

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HANFORD, CA 93230

SECURITY ELECTRONICS OVERALL TUNNEL PLAN
KINGS COUNTY JAIL-TRANSFER TUNNEL
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SE1.01
75-13107-00
03/28/13
Revisions

SYSTEMS DESIGN L.L.C.

DLR Group
Architecture Engineering Planning Interiors

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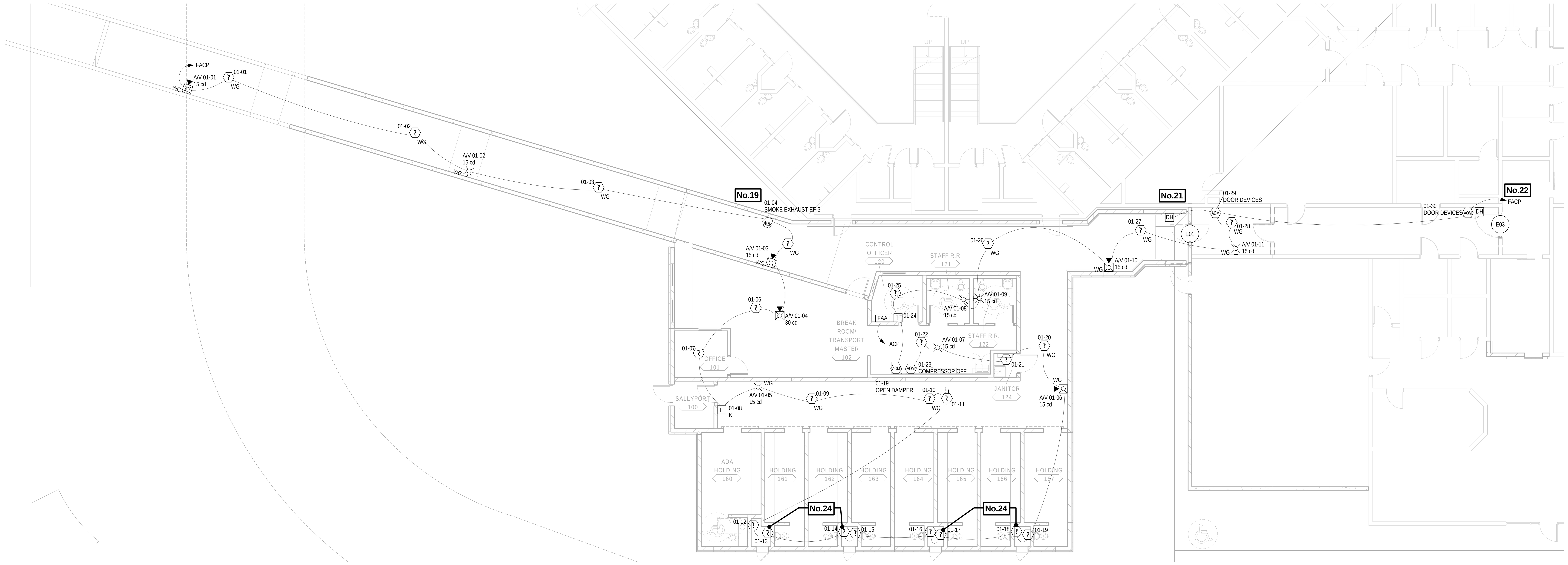
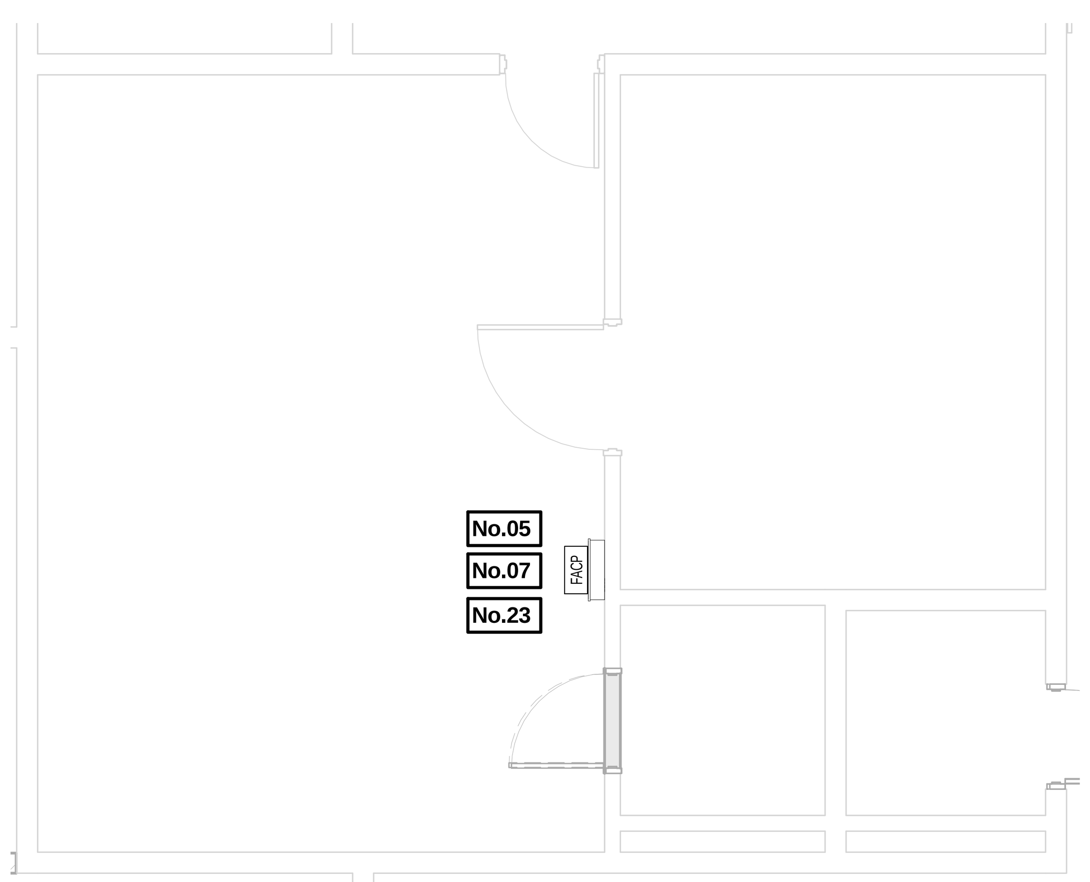
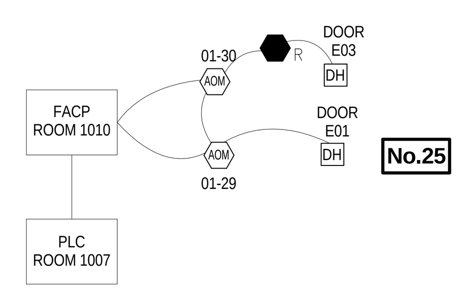


1 FIRE ALARM OVERALL TUNNEL PLAN
SE2.01
SCALE: 1/8" = 1'-0"



2 CENTRAL CONTROL ROOM 1001
SE2.01
SCALE: 1/4" = 1'-0"



3 DOOR RELEASE RISER
SE2.01
SCALE: NONE

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SE0.00 AND INCORPORATE AS APPLICABLE.

2. COORDINATE FINAL INSTALLATION REQUIREMENTS WITH MECHANICAL PLANS.

3. A DURABLE ZONED GRAPHIC BUILDING PLAN, DISPLAYING THE FIRE AND SPRINKLER ZONES, SHALL BE PLACED AT OR NEAR EACH FACP AND FAA. COORDINATE PLACEMENT WITH THE SIGNAGE PROVIDER FOR ALL LOCATIONS.

4. PROGRAM THE BUILDING FIRE ALARM PANEL TO ANNUNCIATE NEW ADDRESSES AT THE MAIN FACILITY ANNUNCIATOR IN CENTRAL CONTROL.

5. FIRE ALARM PROGRAMMING SHALL PROVIDE OPERATION AS DESCRIBED IN 283111.

6. THE FIRE ALARM CONTRACTOR SHALL MAKE A SEPARATE PERMIT SUBMITTAL INDICATING EXACT EQUIPMENT CONFIGURATION, VOLTAGE DROP CALCULATIONS, BATTERY CALCULATIONS AND ALL OTHER INFORMATION REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

7. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS.

8. ALL SMOKE DETECTORS PROVIDED FOR THIS PROJECT SHALL BE MONITORED AND CONTROLLED BY THE ADDRESSABLE BUILDING FIRE ALARM SYSTEM.

9. FURNISH AND INSTALL ALL CONTROLS AND PROGRAMING TO ACCOMPLISH THE SMOKE CONTROL SEQUENCE.

10. FURNISH ONE DUCT SMOKE DETECTOR FOR EACH AIR HANDLING UNIT OVER 2000 CFM AND LESS THAN 15000 CFM (CUBIC FEET PER MINUTE). FURNISH TWO DUCT SMOKE DETECTORS FOR EACH AIR HANDLING UNIT OVER 15000 CFM. DELIVER TO DIVISION 23 FOR INSTALLATION. FURNISH AND TERMINATE ALL WIRE AND CONDUIT TO CONNECT THE DUCT DETECTORS TO THE FIRE ALARM SYSTEM.

11. FURNISH AND INSTALL ALL CONDUIT AND WIRE FROM HVAC RELAYS TO HVAC UNITS. FULLY COORDINATE CONNECTIONS WITH ALL OTHER TRADES.

12. FURNISH AND INSTALL RELAYS AS REQUIRED IF LOADS ARE MORE THAN THE FIRE ALARM RELAYS CAN PROVIDE.

13. ROUTE FIRE ALARM CABLING OVERHEAD. CABLING ROUTED UNDER THE SLAB SHALL BE WET RATED. (TYPICAL)

14. WHERE MULTIPLE DEVICES ARE INDICATED, LOCATE DEVICES AS INDICATED ON THE PLAN. (TYPICAL)

15. LOCATION OF FIRE VISUAL DEVICE IS CRITICAL AND MUST MEET ADA AND APPLICABLE CODES. ALL INDICATED CANDELA RATINGS ARE MINIMUMS AND SHALL BE AS LISTED OR HIGHER. INSTALL FIRE VISUAL DEVICES IN LOCATIONS INDICATED ON THE PLANS. (TYPICAL)

16. MOUNT AS CLOSE TO THE CENTER OF THE ROOM AS POSSIBLE WHERE ONLY ONE CEILING SPOT SMOKE DETECTOR, CEILING VISUAL ONLY, OR CEILING AUDIO VISUAL UNIT IS INDICATED. (TYPICAL)

17. FURNISH AND INSTALL ALL WIRING AND CONDUIT TO THE FAN CONTROLS.

18. FURNISH AND INSTALL A RELAY MODULE FOR INTERFACING WITH EACH SMOKE AND FIRE CONTROL DAMPER AS SHOWN ON DIVISION 23 DRAWINGS. COORDINATE THE LOCATION WITH THE DIVISION 23 CONTRACTOR AS REQUIRED.

19. FURNISH AND INSTALL AN ADDRESSABLE RELAY AND CONTACTOR TO ACTIVATE THE SMOKE EXHAUST FAN ON ANY FIRE ALARM INITIATION IN THE TRANSFER CONTROL AREA.

20. FURNISH AND INSTALL ADDRESSABLE RELAYS AND CONTACTORS TO SHUT DOWN THE ROOF TOP UNITS CONDENSER AND OPEN THE OUTSIDE AIR DAMPER TO 100% ON ANY FIRE ALARM INITIATION IN THE TRANSFER CONTROL AREA.

21. FURNISH AND INSTALL AN ADDRESSABLE RELAY TO CLOSE THIS DOOR ON ANY FIRE ALARM INITIATION IN THE TRANSFER CONTROL AREA. INTERFACE THE DOOR HOLDER CIRCUIT TO THE PLC DOOR LOCKING CONTROL AND PROVIDE AN ICON ON THE EXISTING TOUCHSCREEN TO RELEASE ALL DOORS HELD OPEN.

22. FURNISH AND INSTALL AN ADDRESSABLE RELAY TO CLOSE THIS DOOR ON ANY FIRE ALARM INITIATION IN THE EXISTING ADMINISTRATION AREA. INTERFACE THE DOOR HOLDER CIRCUIT TO THE PLC DOOR LOCKING CONTROL AND PROVIDE AN ICON ON THE EXISTING TOUCHSCREEN TO RELEASE ALL DOORS HELD OPEN.

23. FURNISH AND INSTALL A SWITCH IN THE FACP TO BYPASS SMOKE EXHAUST FAN EF-3. THE FACP SHALL REGISTER A TROUBLE UNTIL THE BYPASS IS RETURNED TO NORMAL. FURNISH AND INSTALL A SWITCH TO ACTIVATE SMOKE EXHAUST EF-3.

24. LOCATE SMOKE DETECTOR IN THE BOOT EXTENDING FROM THE RETURN AIR REGISTER.

25. FIRE ALARM CONTRACTOR SHALL FURNISH AND INSTALL RELAY AND CABLING TO PLC TO BE TERMINATED BY THE ESC. THE DOOR HOLDER CIRCUIT SHALL ROUTE THROUGH THE NORMALLY CLOSED CONTACTS OF THE RELAY SO THAT WHEN THE RELAY IS ACTIVATED BY THE SECURITY DOOR CONTROL SYSTEM, THE DOORS WILL CLOSE, AFTER FIVE SECONDS, THE RELAY WILL RETURN TO ITS NORMAL STATE. THIS WILL ALLOW STAFF TO UNLOCK THE DOOR AND OPEN IT UNTIL THE FIRE ALARM DOOR HOLDER ENGAGES AND HOLDS THE DOOR TO ALLOW FREE PASSAGE. WHEN THIS IS NO LONGER NEEDED, STAFF WILL PULL THE DOOR CLOSED OR RELEASE IT FROM CENTRAL CONTROL THROUGH THE RELAY. AT ANY TIME, THE FIRE ALARM SYSTEM CAN RELEASE THE DOOR IN THE EVENT OF A FIRE.

1570 KINGS COUNTY DRIVE
HANFORD, CA 93230

FIRE ALARM OVERALL TUNNEL PLAN
KINGS COUNTY JAIL-TRANSFER TUNNEL
HANFORD, CA 93230

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03/28/13
Revisions

R&N SYSTEMS DESIGN L.L.C.

DLR Group
Architecture Engineering Planning Interiors

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