



**GENERAL NOTES:**

- THIS DRAWING DEPICTS ONLY MAIN DISTRIBUTION COMPONENT LOCATIONS AND SPECIALIZED POWER REQUIREMENTS SPECIFIC TO THE OCCUPANCY. PROVIDE ALL NORMAL OFFICE ASSEMBLY AND SPECIALIZED POWER REQUIREMENTS TO THE OCCUPANCY. PROVIDE ALL NORMAL OFFICE ASSEMBLY AND SPECIALIZED POWER REQUIREMENTS TO THE OCCUPANCY. PROVIDE ALL NORMAL OFFICE ASSEMBLY AND SPECIALIZED POWER REQUIREMENTS TO THE OCCUPANCY. PROVIDE ALL NORMAL OFFICE ASSEMBLY AND SPECIALIZED POWER REQUIREMENTS TO THE OCCUPANCY.
- PROVIDE POWER TO ALL HVAC AND OTHER MECHANICAL EQUIPMENT.
- SEE DRAWING F8.10 FOR FIRE ALARM REQUIREMENTS.
- PROVIDE POWER TO (2) MOTORIZED SECURITY GATES. REFER TO SITE PLAN FOR LOCATION. (20A-3P/28V).
- C.O.P.S. ILLUMINATED RECEPTACLE, FACEPLATE AND ASSOCIATED EQUIPMENT INCLUDING DISCONNECT SWITCHES, ATS, PANEL CIRCUIT BREAKERS AND PANEL COVERS SHALL BE RED.
- ELECTRICAL RACEWAYS SHALL BE EMT WHERE NOT EXPOSED TO PHYSICAL DAMAGE.
- ELECTRICAL RACEWAYS MOUNTED ON MASONRY WALL EXPOSED TO PHYSICAL DAMAGE SHALL BE IN RMC.

**A** = REPRESENTS A SPECIAL FLOOR OR WALL BOX FOR POWER AND/OR DATA DEVICES. REFER TO FLOOR BOX SCHEDULE FOR TYPE, RUGH IN COMMUNICATIONS CONDUITS AS REQUIRED. EC SHALL FURNISH & INSTALL FLOOR BOXES, WALL BOXES, POWER RECEPTACLES & WIRING AS INDICATED ON DWG. E1.01.

**POWER KEY NOTES:**

- EACH LOCKER SHALL HAVE A QUAD RECEPTACLE INSTALLED. EACH DUPLEX RECEPTACLE SHALL HAVE (2) USB PORTS. EACH DUPLEX RECEPTACLE SHALL BE INSTALLED AS SHOWN ABOVE THE SHELF IN THE LOCKER. COORDINATE WITH ARCHITECT FOR EXACT HEIGHT. (TYPICAL FOR LOCKERS IN LOCKER ROOMS).
- BURIED CONDUITS TO THE 300KW DIESEL GENERATOR. PROVIDE CONDUCTORS FOR GENERATOR FEEDER, BATTERY CHARGER, FUEL LEVEL INDICATOR LIGHTS, CRANKCASE HEATER AND INTRUSION DETECTION.
- PROVIDE SITE LIGHTING CONTACTORS WITH 24V COIL. SEE DRAWING SUI.01. SITE LIGHTING ZONES ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM. COORDINATE WITH SQUARE D FOR TESTING OF THE EXISTING GROUND FAULT CIRCUIT INTERRUPTER SWITCH MAIN SWITCHBOARD. ELECTRICAL CONTRACTOR TO ENSURE PROPER OPERATION.
- PROVIDE NEW DIVIDED TRENCH FOR POWER AND DATA. PROVIDE GROUNDING METAL DIVIDER. PROVIDE NEW FLUSH FLOOR BOX THAT IS MOUNTED ABOVE TRENCH. SEE FLOOR BOX SCHEDULE ON SHEET E3.04 (TYPICAL).
- PROVIDE SEPARATE ELECTRIC SERVICE FOR C.O.P.S. POWER. PROVIDE FROM EXISTING UTILITY TRANSFORMER TO BUILDING. PROVIDE 2" PVC CONDUIT RUN THROUGH SEE FLOOR BOX SCHEDULE ON SHEET E3.04 (TYPICAL). NON TO INCLUDE RMC CONDUIT RISER WITH EXPANSION COUPLING BEFORE ENTERING THE BUILDING. PROVIDE NEW GOLD SEQUENCED UTILITY METER.
- EXACT CONDUIT ROUTE TO BE DETERMINED IN FIELD.
- BURIED CONDUITS TO THE 300KW DIESEL GENERATOR. PROVIDE CONDUCTORS FOR GENERATOR FEEDER, BATTERY CHARGER, FUEL LEVEL INDICATOR LIGHTS, CRANKCASE HEATER AND INTRUSION DETECTION.
- HEAT PUMP AND AC UNIT REMOTE EVAPORATORS, HP-A ARE FED FROM CORRESPONDING HEAT PUMP CONDENSER ON ROOF. PROVIDE (4) #12 AWG AND 1 #12 GND FROM CONDENSER TO EVAPORATOR.
- REMOVE FIRE ALARM ANNUNCIATOR (FAA) IS FED FROM EXISTING FIRE ALARM CONTROL PANEL BRANCH CKT. LOCATED IN DPW SIDE.
- PROVIDE NON FUSED DISCONNECT SWITCH FOR PRIMARY SIDE OF THE TRANSFORMER.
- SYMBOL SE REPRESENTS (5) EMERGENCY SHUTOFF SWITCHES (1) FOR EACH GAS APPLIANCE.
- REUSE EXISTING 6KVVA TRANSFORMER REMAIN THE TRANSFORMER IS. PROVIDE NEW CONDUCTORS AND CONDUIT TO REFEED THE PRIMARY SIDE FROM PANEL NHPPI. PROVIDE NEW 24" x 24" x 8" PULL BOX AND CONTINUE NEW CONDUIT RUN WITH FEEDERS TO PANEL NHPPI.
- EXISTING FIRE PROTECTION RISER. ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED WIRING AND CONDUIT RUNS TO FACE TO ACTIVATE ALL SUPERVISORY SWITCHES, TAMPER AND FLOW SWITCHES. COORDINATE ALL WIRING WITH FIRE ALARM CONTRACTOR FOR PROGRAMMING AND TERMINATION. PROVIDE CIRCUIT WITH PULLSTRINGS.
- POWER FOR MOTORIZED DOOR OPERATORS. PROVIDE CONTROL WIRING TO OPERATOR BUTTONS AS REQUIRED. TERMINATIONS BY DOOR INSTALLER.
- PROVIDE 120V POWER FOR GENERATOR FUEL TANK MONITORING SYSTEM.
- PROVIDE "ROOM OCCUPIED" 120V INDICATOR LIGHT BY EDWARDS SIGNALING & SECURITY SYSTEM #F641-1N5
- SEE DETENTION AREA CABLING DETAIL ON SHEET E4.02

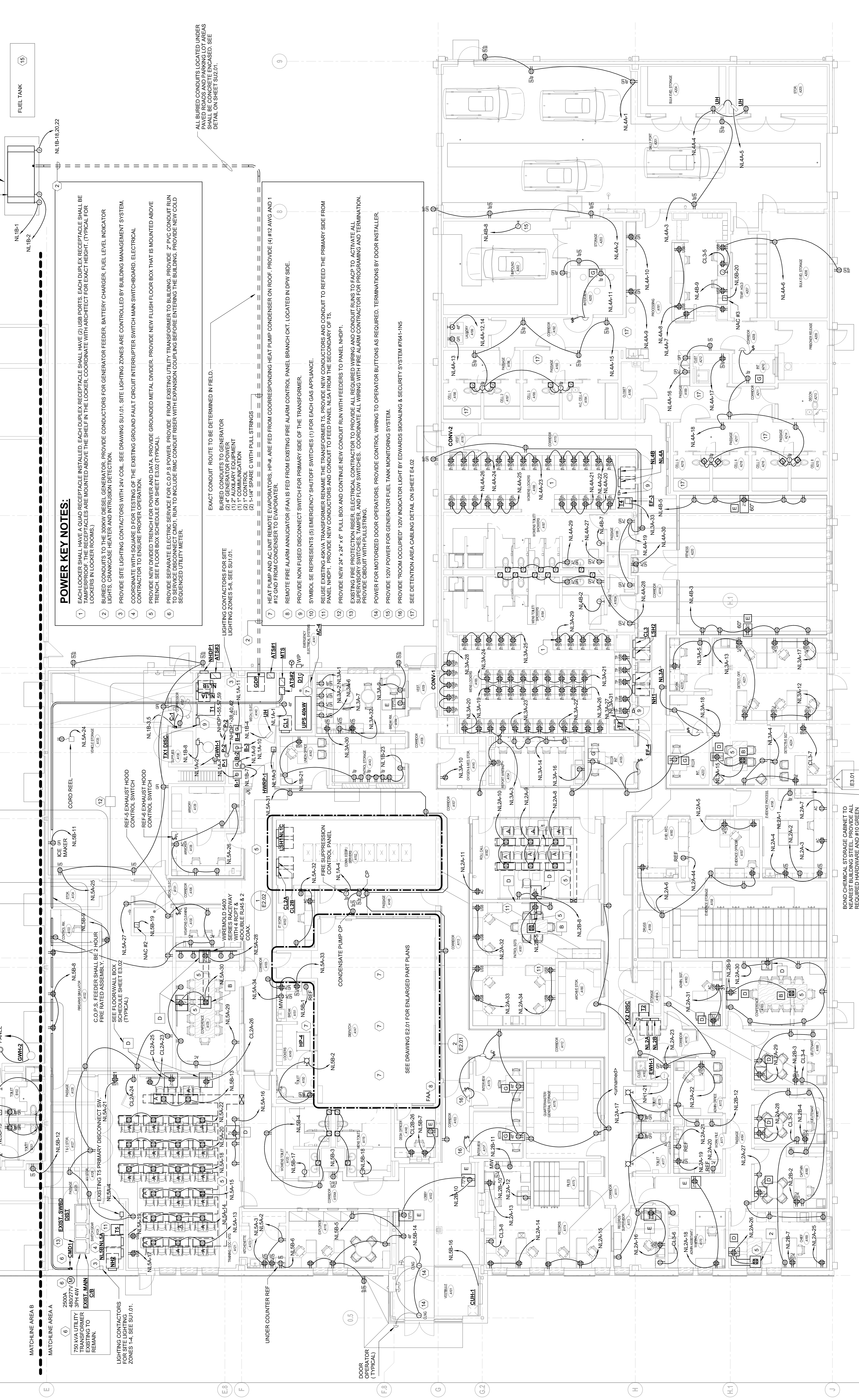
AREA B DEPARTMENT OF PUBLIC WORKS (DPW) SIDE

EXISTING CONDUITS TO REMAIN

EXISTING CONDUITS TO REMAIN

EXISTING CONDUITS TO REMAIN

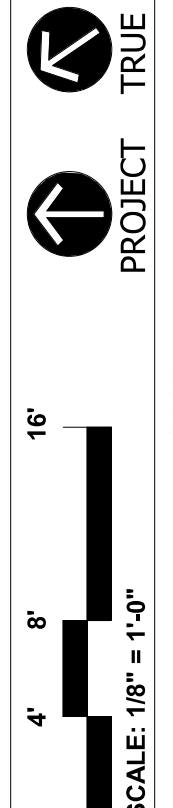
EXISTING CONDUITS TO REMAIN



REUSE CHEMICAL STORAGE CABINET TO NEAREST BUILDING STEEL PROVIDE ALL REQUIRED HARDWARE AND #10 GREEN WIRE.

**POWER PLAN**

**ADDITIONS & RENOVATIONS WINDSOR POLICE FACILITY**  
110 ADDISON ROAD  
WINDSOR, CT 06095



FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01

DATE	DESCRIPTION
MARCH 1, 2019	DRAWINGS ISSUED FOR SCHEMATIC DESIGN ESTIMATE DEVELOPMENT
APRIL 12, 2019	DRAWINGS ISSUED FOR 90% CONSTRUCTION DOCUMENTS DEVELOPMENT
MAY 31, 2019	DRAWINGS ISSUED FOR BID AND CONSTRUCTION PERMIT

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ALL BURIED CONDUITS LOCATED UNDER MASONRY SHALL BE CONCRETE ENCASED. SEE DETAIL ON SHEET SUI.01.



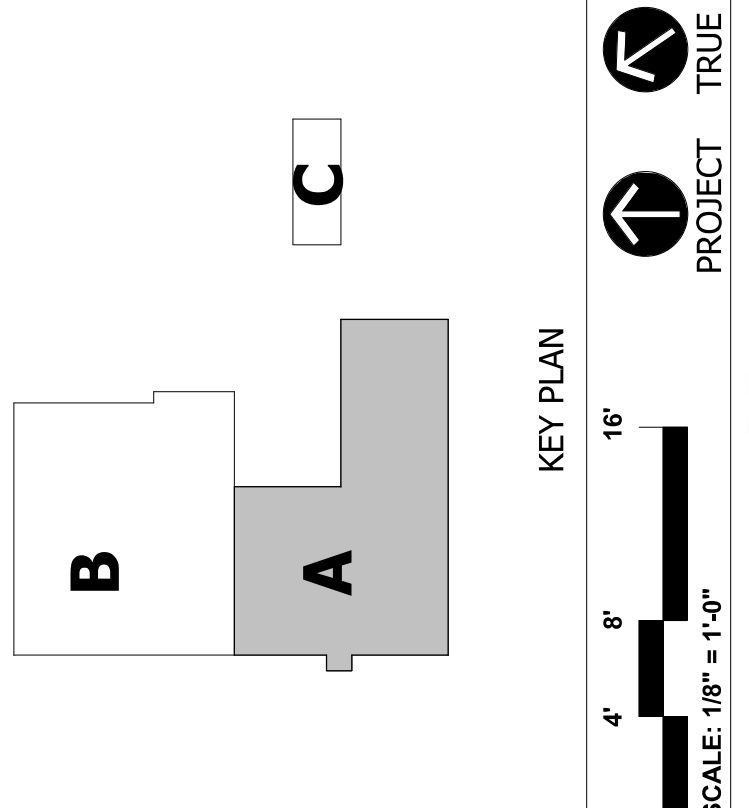
**COMMUNICATION GENERAL NOTES:**

1. INDICATION HERE OF TELECOM, SECURITY AND ACCESS CONTROL EQUIPMENT IS FOR COORDINATION PURPOSES ONLY. COORDINATE ACTUAL LOCATIONS, QUANTITIES AND ADDITIONAL REQUIREMENTS WITH RESPECTIVE VENDOR.
2. TELECOMMUNICATIONS DEVICES AND WIRING BY OTHERS. PROVIDE BACKBOX WITH 1" TO ABOVE CEILING SPACE. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH IT VENDOR.
3. PROVIDE ANY PATHWAY REQUIRED BETWEEN SECURITY/ACCESS CONTROL PANELS, IT RACK, AND ADMINISTRATIVE OFFICES. COORDINATE WITH OWNER FOR LOCATIONS.
4. PROVIDE 3/4" TWIST LOCK RECEPTACLE AT IT RACK FOR OWNERS USE IN POWERING OWNER SUPPLIED IT EQUIPMENT (PDU, UPS, ETC).
5. COORDINATE EXACT LOCATION AND QUANTITY OF COMMUNICATION PORTS WITH ARCHITECT.
6. THE COMMUNICATIONS OUTLETS SHOWN ON THIS DRAWING REPRESENT ROUGH-IN ONLY. EC SHALL PROVIDE A BACKBOX OR FLOOR/WALL BOX WITH CONDUITS RUN TO THE CEILING WITH PULL STRINGS.
7. FLOOR BOXES ARE ROUGHED BELOW FLOOR SLAB AND CONDUITS RUN UP IN WALLS TO THE CEILING.
8. THE OWNERS DESIGNERS & SUBCONTRACTORS WILL PROVIDE ALL COMMUNICATIONS CABLES AND PROVIDE THE NECESSARY TERMINATIONS, JACKS, DEVICES, PLATES, & WALL PLATES REQUIRED. WHERE REQUIRED EC TO PROVIDE CONDUITS WITH PULL STRINGS COORDINATE CONDUIT SIZE WITH OWNERS VENDOR.
9. QUANTITIES OF DEVICES & CABLES ARE INDICATED ON DRAWINGS PROVIDED BY THE OWNER. THESE DRAWINGS DO NOT INDICATE ANY CABLE OR DEVICE TYPES OR QUANTITIES.
10. SOME ITEMS RELATED TO SECURITY SYSTEMS ARE INDICATED ON THIS DRAWING TO SHOW RELATIVE LOCATIONS & COORDINATION.
11. ALL CABLE TRAY SECTION SHALL BE BONDED. CABLE TRAY SHALL BE GROUNDED IN ACCORDANCE WITH NEC.

**COMMUNICATION KEY NOTES:**

1. PROVIDE CABLE TRAY (2" WIDE 4" DEEP) CABLE TRAY FOR DATA CABLES AND TELEPHONE ONLY. PROVIDE ANOTHER CABLE TRAY 6" WIDE 4" DEEP AND INSTALL 6" ABOVE THE TOP OF THE BOTTOM TRAY FOR SECURITY AND CCTV CAMERAS.
2. LOCATION OF EXISTING PHONE UTILITY EQUIPMENT, PHONE 911 EQUIPMENT AND CABLE COMPANY EQUIPMENT
3. PROVIDE TRENCH FOR (2" 4" AND (1) 3" BURIED CONDUIT FOR COMMUNICATIONS CABLING. TERMINATE 24" ABOVE FLOOR IN SERVER ROOM. TERMINATE 5" OUTSIDE BUILDING FOUNDATION FOR EXTENSION TO COMMUNICATIONS SERVICES SOURCES BY UTILITIES.
4. (2) 3" CONDUITS FOR RADIO SYSTEM FIBER AND TOWN NETWORK FIBER 7 CABLING. TERMINATE INSIDE SERVER ROOM. SEE DRAWING E108 FOR CONTINUATION.
5. PROVIDE CABLE LOOP IN PULL BOXES FOR EXPANSION.
6. (2) 2" BURIED CONDUITS FOR IT NETWORKING CABLING TO SITE.
7. (2) 2" BURIED CONDUITS FOR SECURITY CABLING TO FRONT OF SITE. TERMINATE 6" ABOVE FLOOR.
8. DATA ROUGH-IN FOR ENERGY MANAGEMENT SYSTEM.
9. SINGLE GANGS BACKBOXES & 1" CONDUITS UNDER COUNTER. RUN TO BELOW RAISED FLOOR AND UP INTO WALL TO CEILING.
10. (6) 2" EMT CONDUITS ABOVE CEILING FROM IT SERVER ROOM UP INTO HIGH BAY AREA IN MECH. ROOM FOR RADIO SYSTEMS ANTENNA CABLING.
11. CONDUIT SLEEVES THROUGH FIRE RATED PARTITION/WALL. DRAWING INDICATES QUANTITY & SIZE. (ABOVE CEILING). PROVIDE 2HR FIRE CAULKY FOR ALL PENETRATIONS.
12. ROUGH-INS FOR COMMON OUTLETS IN DETENTION AREA SHALL INCLUDE CONDUIT RUN TO CORRIDORS OUTSIDE OF FIRE RATED ENCLOSURE. (NO ACCESS TO SPACE ABOVE CEILING). SEE DETENTION AREA CABLING DETAIL ON SHEET E102

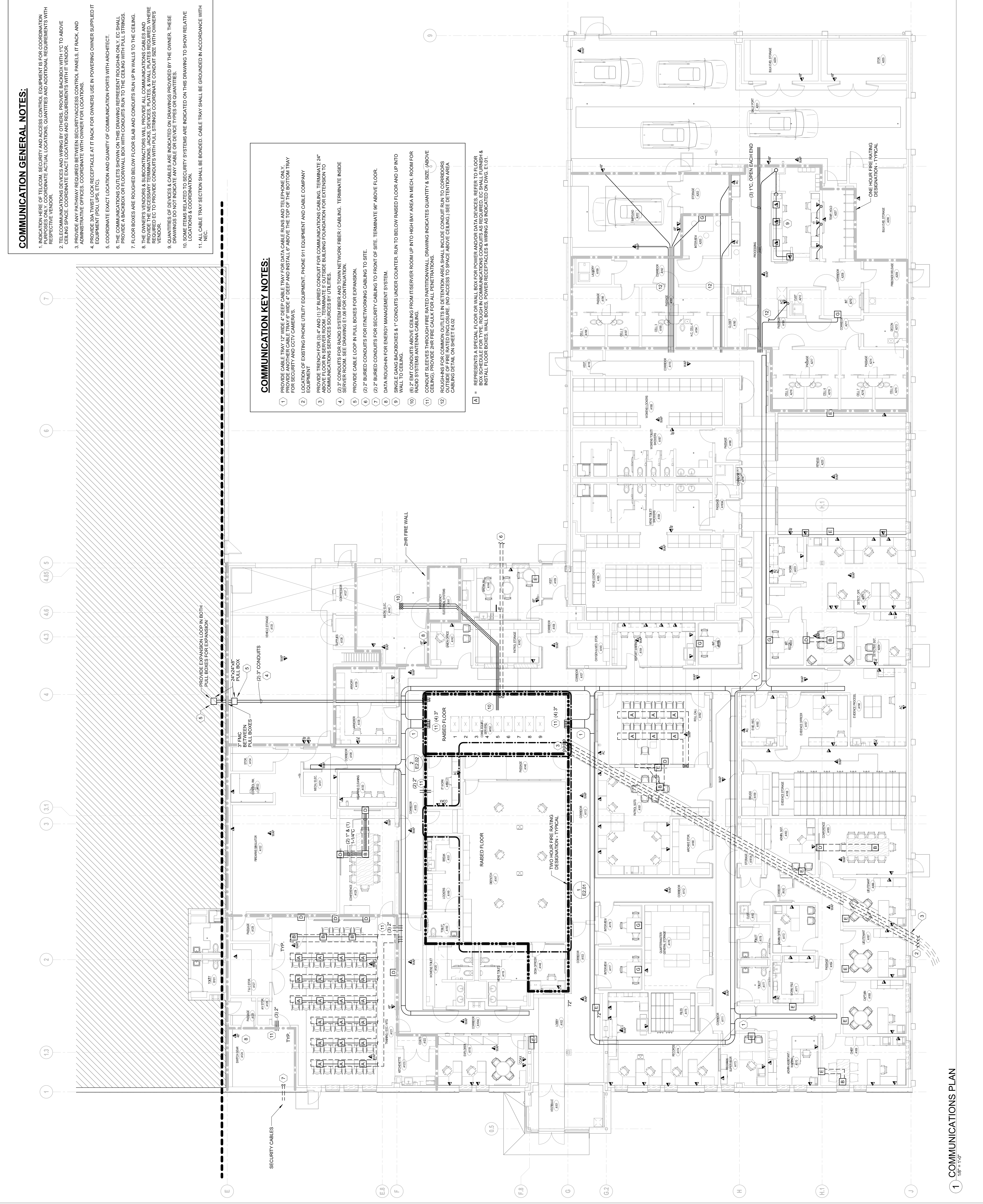
▲ REPRESENTS A SPECIAL FLOOR OR WALL BOX FOR POWER AND/OR DATA DEVICES. REFER TO FLOOR BOX SCHEDULE FOR TYPE. ROUGH IN COMMUNICATIONS CONDUITS AS REQUIRED. EC SHALL FURNISH & INSTALL FLOOR BOXES, WALL BOXES, POWER RECEPTACLES & WIRING AS INDICATED ON DWG. E101.



**ADDITIONS & RENOVATIONS  
WINDSOR POLICE FACILITY  
110 ADDISON ROAD  
WINDSOR, CT 06095**

PROJECT NO.: 18-214  
DRAWN BY: CEM

**COMMUNICATIONS PLAN**



INTERIOR LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, MANUFACTURER, MODEL, LUMENS, WATTAGE, LUMENS/WATT, VOLTAGE, REMARKS, ALTERNATE 1, MANUFACTURER, MODEL, ALTERNATE 2, MANUFACTURER, MODEL, ALTERNATE 3, MANUFACTURER, MODEL. Rows include various lighting fixtures like A, A2, AZE, AA, AE, B, BB, BE, C, CE, DE, EM, F, FE, G, GE, H, J, JE, K, KE, L, L2, M4, M4E, M8, M8E, MW8, O, P, R, S, SE, T, TH, U, W10E, W12E, X, XC, XH, Z.

MECHANICAL EQUIPMENT COORDINATION SCHEDULE. Table with columns: TAG, EQUIPMENT INFORMATION (FLA, MCA, MOCP, VOLT, PH, PANEL, NO.), CIRCUIT INFORMATION (APPARENT LOAD, CLASSIFICATION), CONTROL (TYPE, FURNISH, INSTALL), STARTER (TYPE, FURNISH, INSTALL), DISCONNECT (TYPE, FURNISH, INSTALL), Motor Remarks.

CONTROL TYPES table with columns: TYPE, DESCRIPTION. Rows include PS (DIV. 21 - PRESSURE SWITCH), AO (DIV. 23 - ADJUSTAT), BMS (DIV. 23 - BUILDING MANAGEMENT SYSTEM), T (DIV. 23 - THERMOSTAT), O/O (DIV. 26 - ON-OFF SELECTOR SWITCH), AC (MANUF. - AUTOMATIC CONTROLLER).

STARTER TYPES table with columns: TYPE, DESCRIPTION. Rows include VFD (DIV. 23 - VARIABLE FREQUENCY DRIVE), SPP (MANUF. - SINGLE POINT POWER), NONE.

DISCONNECT TYPES table with columns: TYPE, DESCRIPTION. Rows include NFS (DIV. 26 - NON-FUSED SWITCH), SPP (MANUF. - NON-FUSED SWITCH), NFS (MANUF. - NON-FUSED SWITCH).

FLOOR/WALL BOX SCHEDULE table with columns: TYPE, LOCATION / SERVICE, CONTAINS, MODEL NUMBER, COVER PLATE, REMARKS. Rows include A (SEE DRAWING FOR EXACT LOCATIONS), B (SEE DRAWING FOR EXACT LOCATIONS), C (SEE DRAWING FOR EXACT LOCATIONS), D (SEE DRAWING FOR EXACT LOCATIONS), E (SEE DRAWING FOR EXACT LOCATIONS), F (SEE DRAWING FOR EXACT LOCATIONS), G (SEE DRAWING FOR EXACT LOCATIONS).

NOTE: 1. EC TO FURNISH, INSTALL AND WIRE ALL RECEPTACLES IN FLOOR AND WALL BOXES. COMMUNICATION WIRING AND TERMINATIONS SHALL BE DONE BY OTHERS. COORDINATE EXACT NUMBER OF DEVICES WITH COMMUNICATION / TECHNOLOGY CONSULTANT AND OWNER. 2. ALL BOXES ARE BASED ON LEGRAND. CONTACT MIKE COLE @ 860-906-8288 OR MICHAEL COLE@LEGRAND.US

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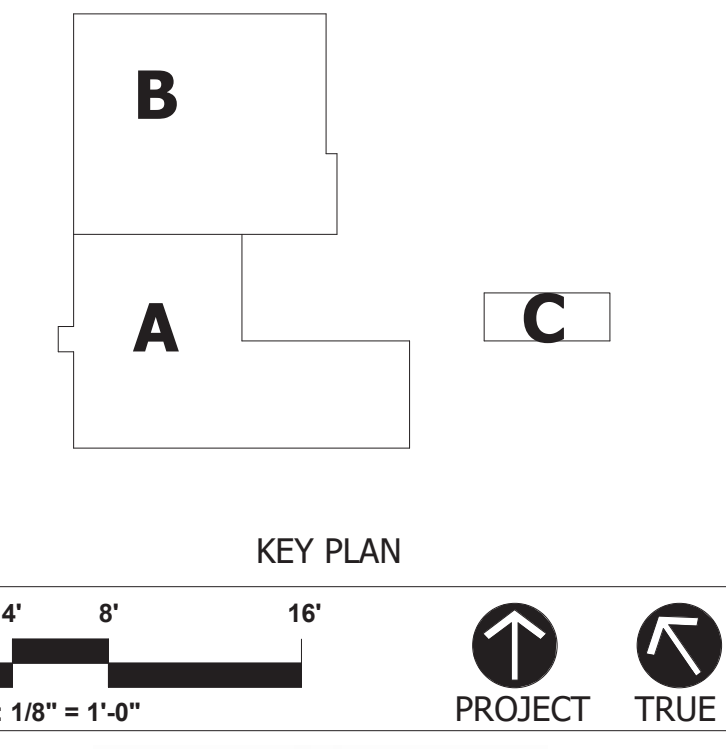
ISSUE DATE

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REVISIONS

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FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01



ADDITIONS & RENOVATIONS WINDSOR POLICE FACILITY 110 ADDISON ROAD WINDSOR, CT 06095

PROJECT NO.: 18-214 DRAWN BY: CEM

SCHEDULES

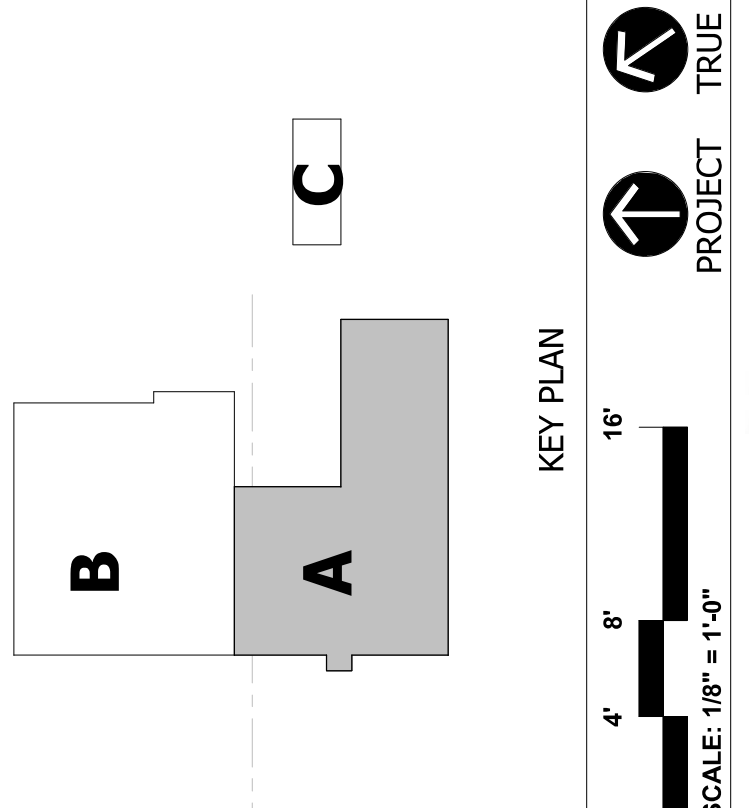
DRAWING NO.: E3.02

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REVISIONS	DESCRIPTION
DATE	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01



**ADDITIONS &  
RENOVATIONS  
WINDSOR POLICE  
FACILITY**  
110 ADDISON ROAD  
WINDSOR, CT 06095

PROJECT NO.: 18-214  
DRAWN BY: CEM

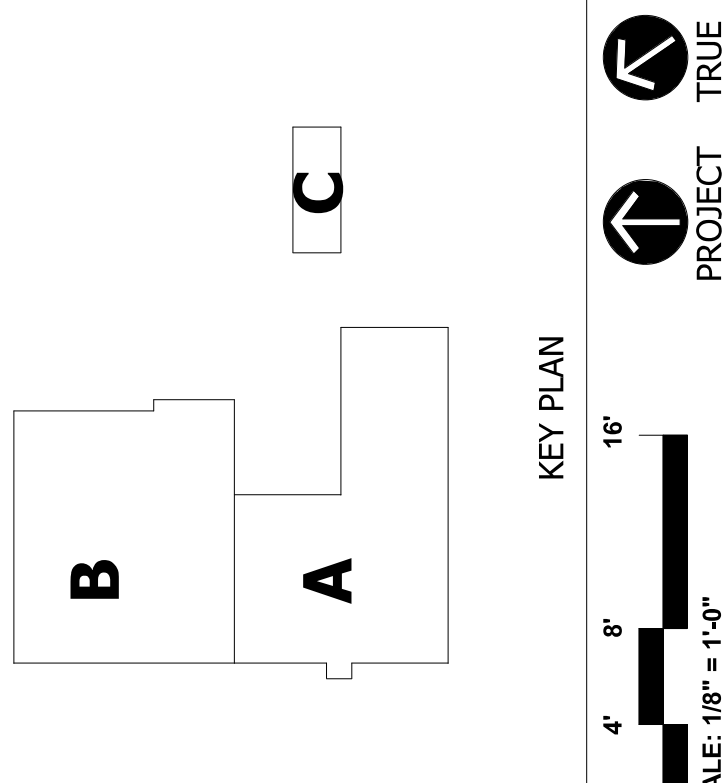
**ELECTRICAL PLAN  
AREA B**



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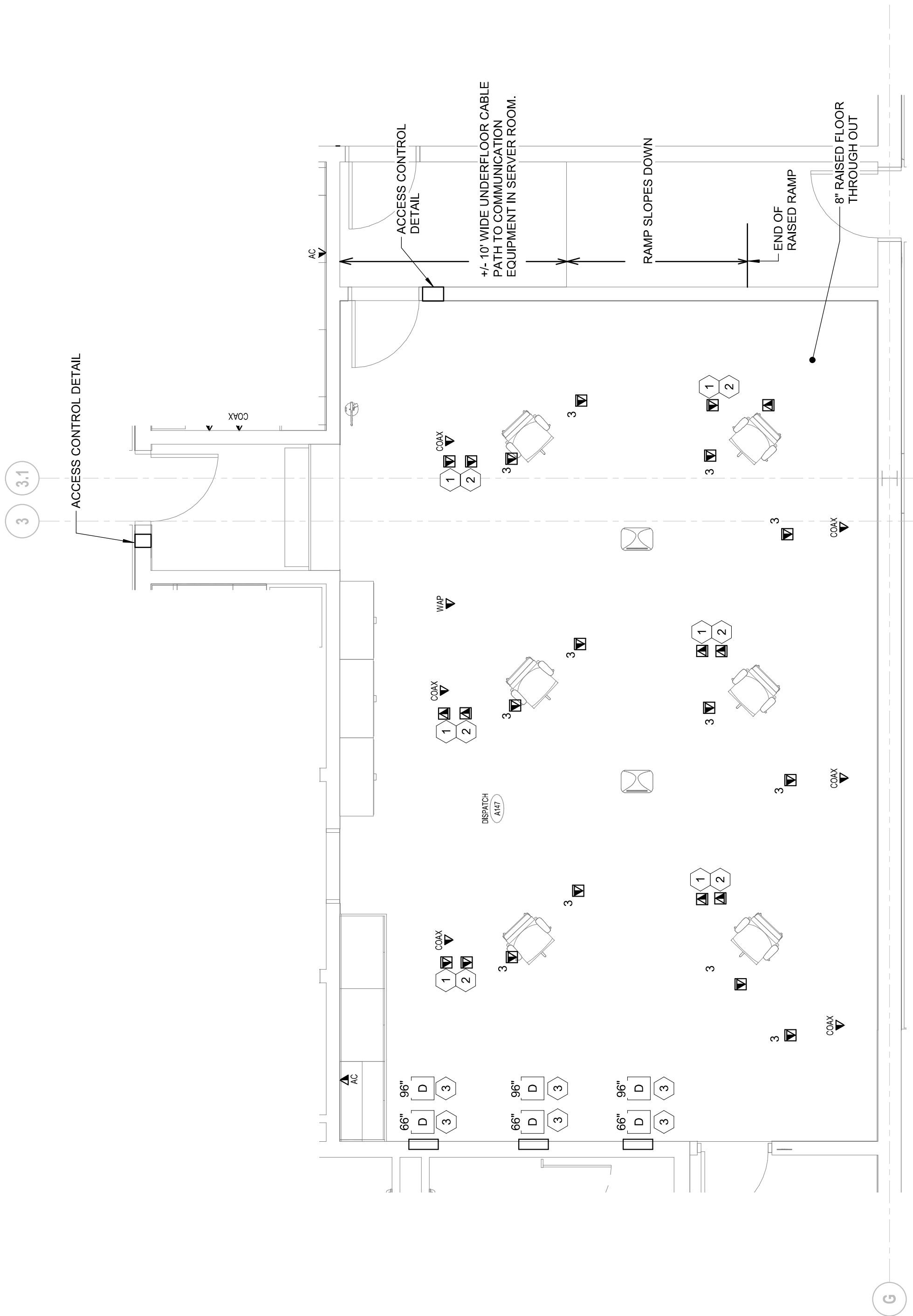
FOR ALL ABBREVIATIONS, SYMBOL, LEGENDS, AND GENERAL NOTES SEE SHEET R0.01.



**ADDITIONS & RENOVATIONS  
WINDSOR POLICE FACILITY  
110 ADDISON ROAD  
WINDSOR, CT 06095**

PROJECT NO.: 18-214 DRAWN BY: CEM

**ENLARGED PART PLANS- DISPATCH**



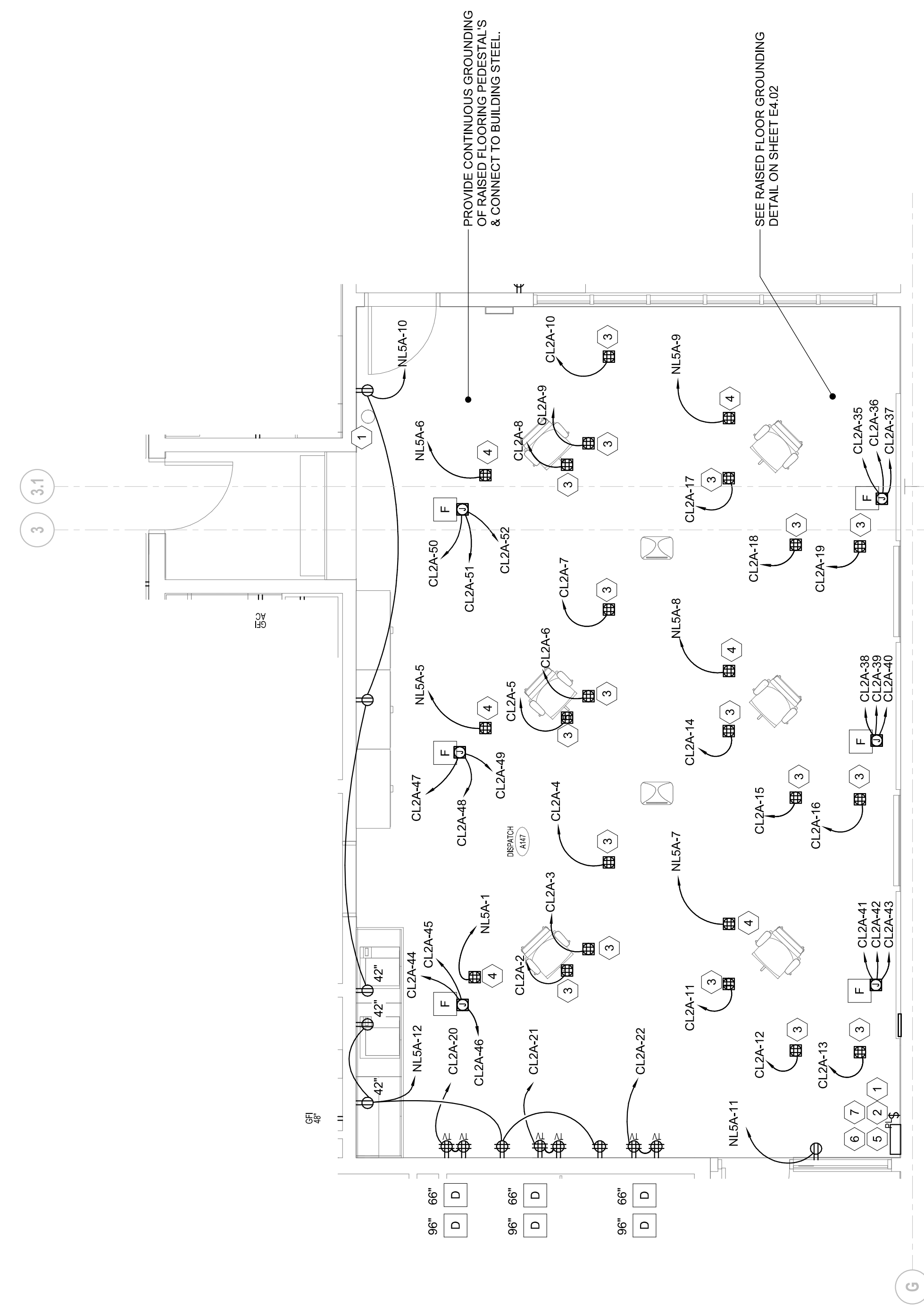
**GENERAL NOTE**

1. PROVIDE SMOOTH GROMMETED 2" HOLES IN RAISED FLOOR TO PASS UN-SPLICED COMMUNICATION AND DATA CABLES THROUGH AND CONNECT TO DATA PORTS LOCATED ON CONSOLE.
2. DATA PORT, TELEPHONE PORTS, COAX, SECURITY AND AV PORTS INDICATED ON FLOOR AT EACH CONSOLE IN REPRESENT
3. CABLING FOR COMMUNICATION SYSTEMS AND SECURITY RUN UNDER RAISED FLOOR THROUGH GROMMETED 2" HOLE AND CONNECT DIRECTLY TO COMMUNICATION / SECURITY DEVICES ON DISPATCH CONSOLES.

**COMMUNICATION KEY NOTES:**

- 1 HARDWIRE 811 PHONE CIRCUIT TO 811 RACK IN SERVER ROOM. (TYPICAL EACH DISPATCH CONSOLE)
- 2 COPPER POTS LINE FOR DEDICATED "RED PHONE" SYSTEM. (TYPICAL EACH DISPATCH CONSOLE)
- 3 COAX JACKS, MOUNT AT 72" PLF.

**1 ELECTRICAL COMMUNICATIONS DISPATCH A147 PART PLAN**  
1/4" = 1'-0"



**GENERAL NOTES:**

1. ALL RECEPTACLES SHALL BE ACCESSIBLE
2. ALL COP'S, RECEPTACLES SHALL BE ILLUMINATED AND BE RED WITH RED FACE PLATES.
3. ALL RECEPTACLES SHALL BE PLACARD WITH PANEL NAME AND CIRCUIT BREAKER POSITION IN PANEL.
4. COORDINATE EXACT LOCATION OF RECEPTACLES WITH ARCHITECT.
5. RECEPTACLES ON CONSOLES (RED) WITH (3) CORES POWER RECEPTACLES (A, B) WITH (3) CORES POWER RECEPTACLES ON A DEDICATED COP'S POWER CIRCUIT AND ONE SURFACE FLOOR MOUNTED QUAD RECEPTACLE ON A DEDICATED NORMAL POWER CIRCUIT.

**POWER KEY NOTES:**

- 1 GENERATOR REMOTE ANNUNCIATOR
- 2 SWITCH WITH PILOT LIGHT TO DISABLE ERV/VENTILATION SYSTEM. LABEL SWITCH "VENTILATION SYSTEM" WITH ENGRAVED LABEL.
- 3 QUAD RECEPTACLES TYPE "H" FLOOR BOX ARE SURFACE MOUNTED ON RAISED FLOOR. PROVIDE LEGRAND "TOMBSTONE" HOUSING AND BASE #255HB. (2) FACEPLATE BRIDGR
- 4 NORMAL POWER QUAD RECEPTACLES IN A TYPE "H" FLOOR BOX. 1 PER CONSOLE. EACH ON DEDICATED CIRCUIT.
- 5 REMOTE ANNUNCIATOR. ADD VOICE EVACUATION CONTROL STATION. PROVIDE POWER FROM FIRE ALARM CONTROL PANEL.
- 6 QUANT GENERATOR FUEL TANK MONITOR AND UPS REMOTE ANNUNCIATOR.
- 7 QUANT REMOTE SECURITY GATE PUSH BUTTON STATION. SEE DETAILS ON SHEET E1.04.

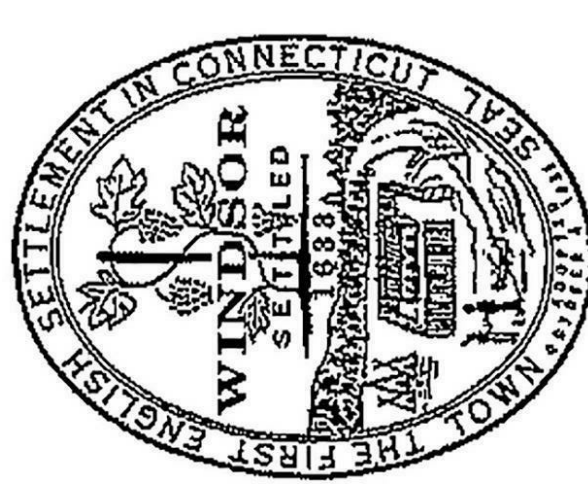
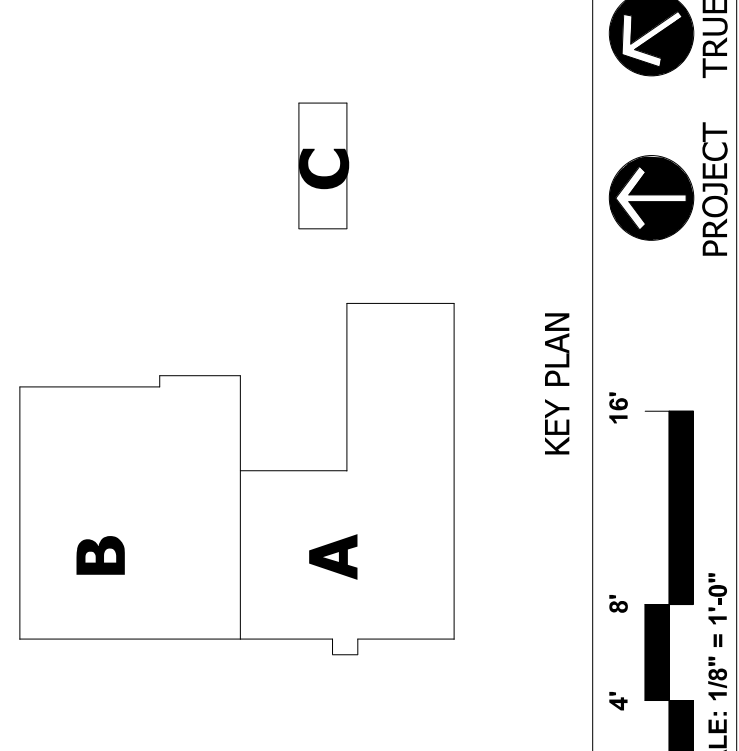
**2 ELECTRICAL POWER DISPATCH A147 PART PLAN**  
1/4" = 1'-0"



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JULY 2, 2019	DRAWINGS ISSUED FOR BID AND CONSTRUCTION

DATE	DESCRIPTION

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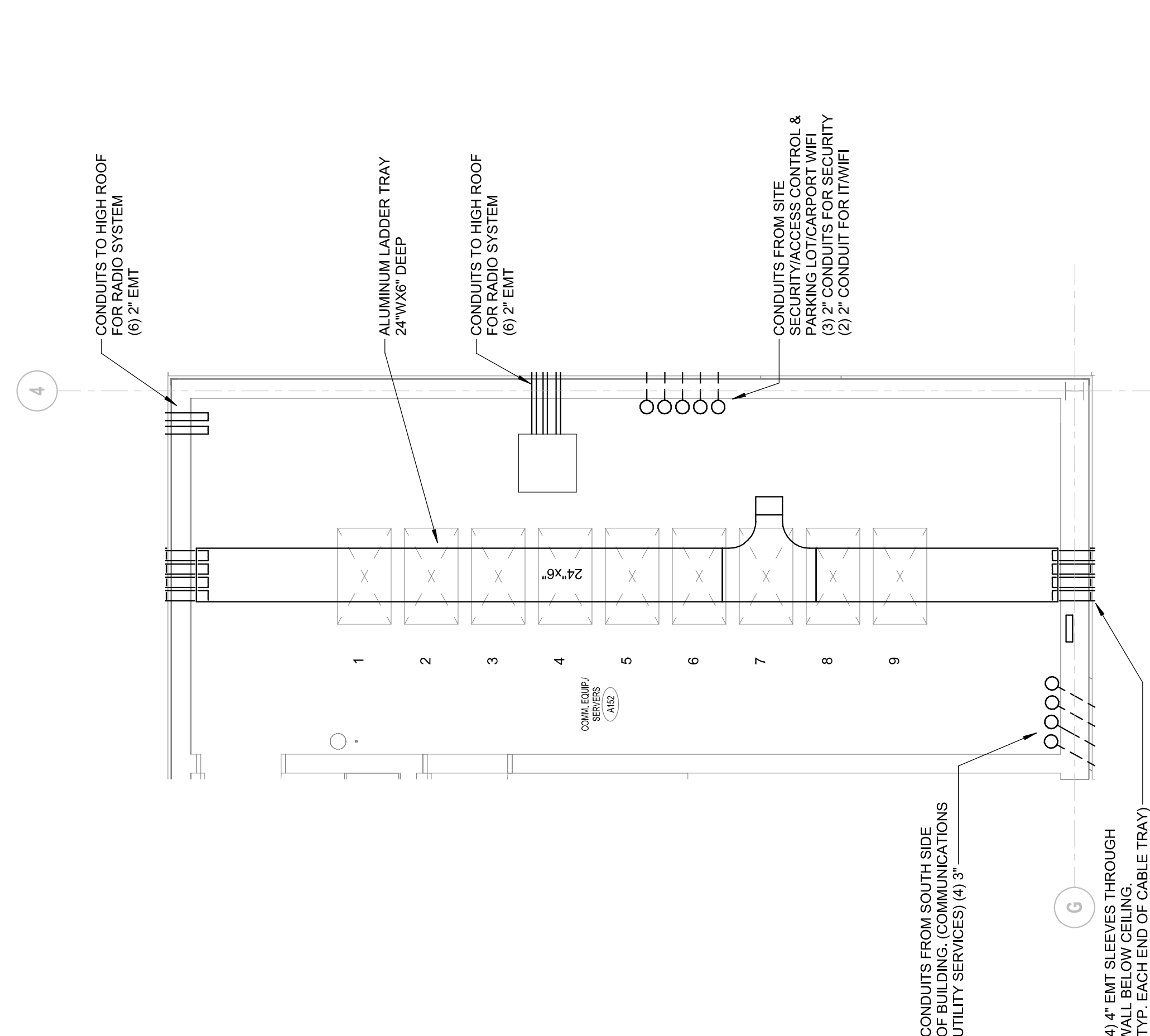


**ADDITIONS & RENOVATIONS  
WINDSOR POLICE FACILITY  
110 ADDISON ROAD  
WINDSOR, CT 06095**

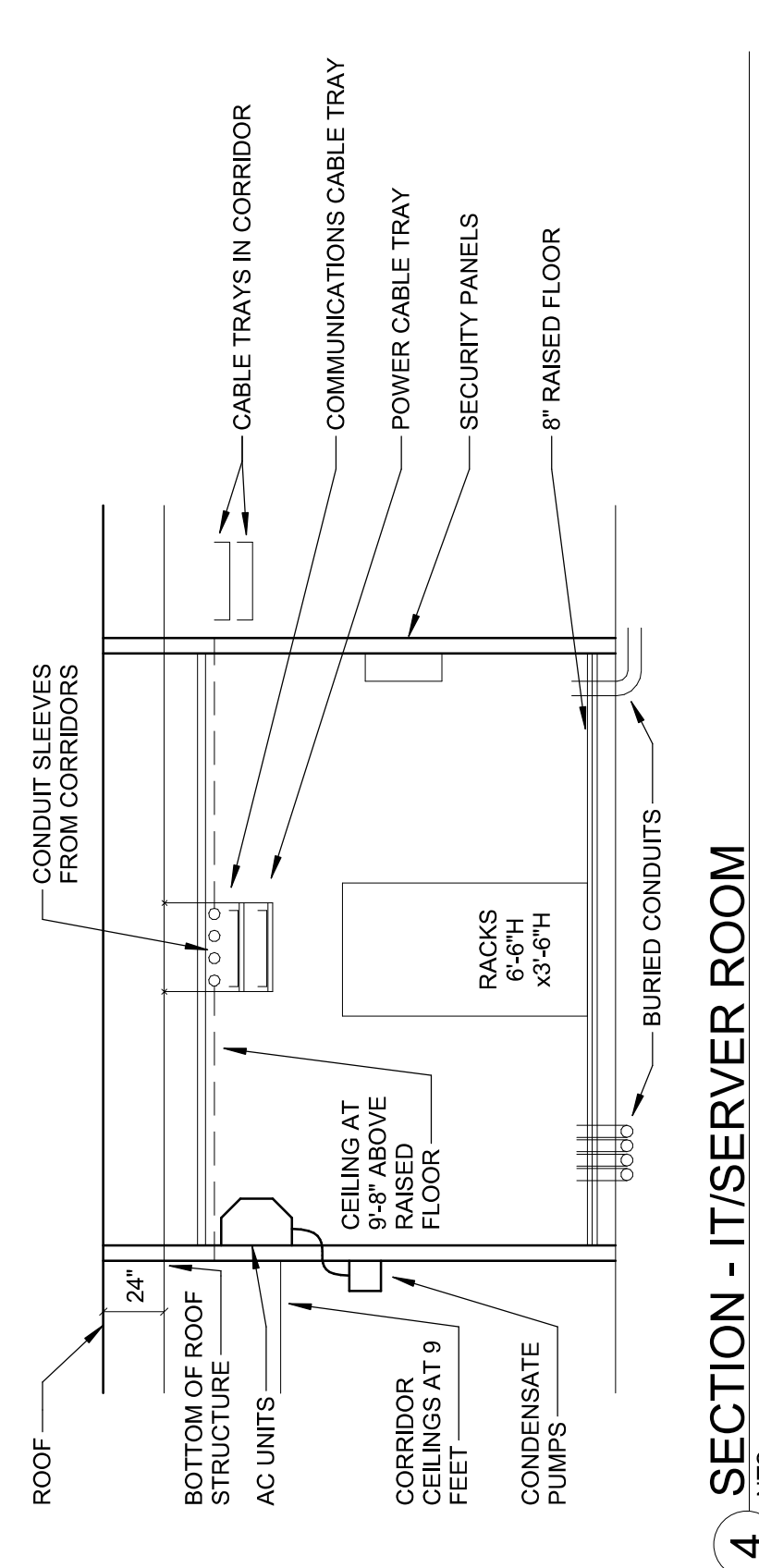
PROJECT NO.: 18-214 DRAWN BY: CEM

**ENLARGED PART PLANS IT / SERVER ROOM**

DRAWING NO.: **E2.02**

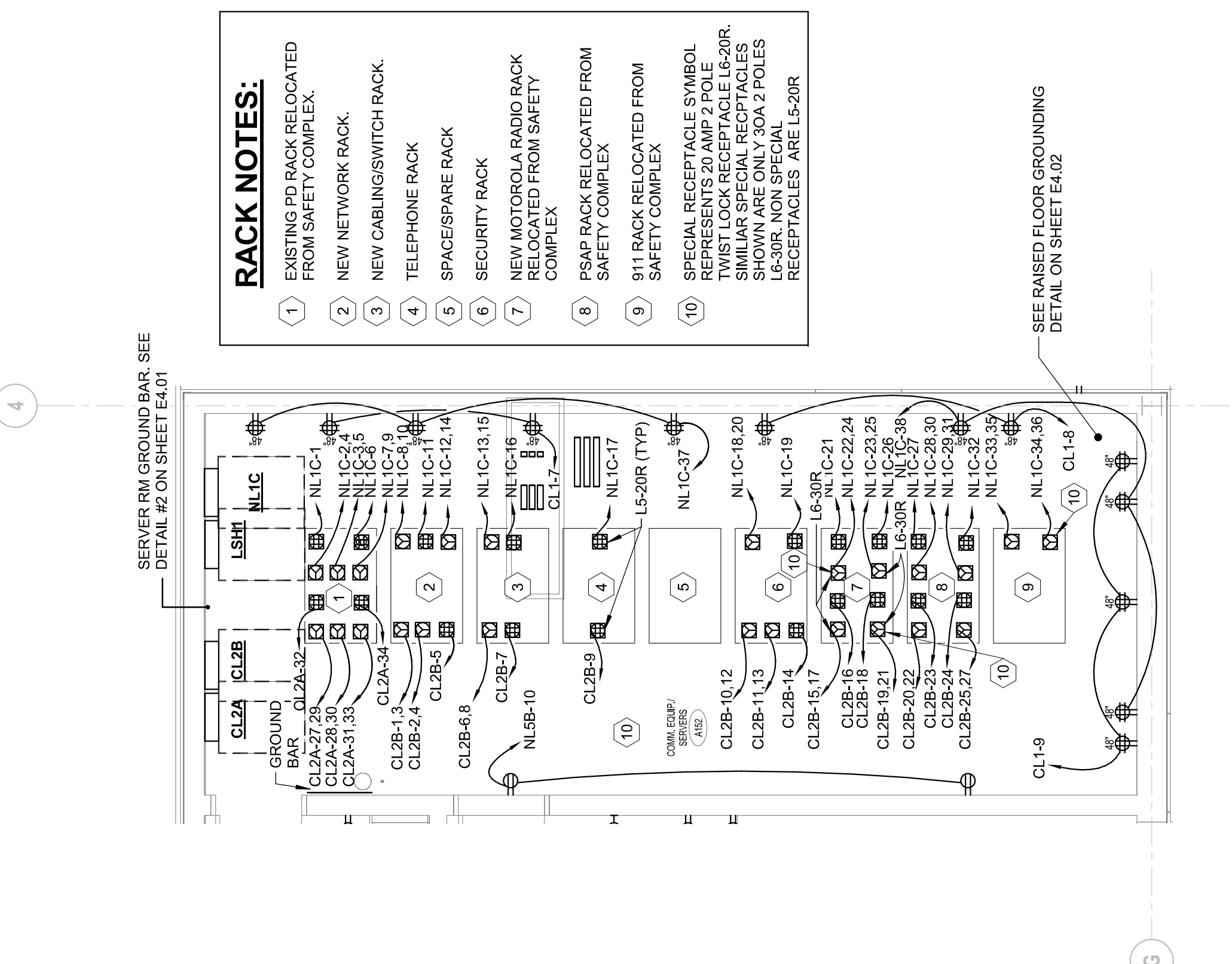


**2 IT/COMM. COMM.EQUIP./SERVERS A152 PART PLAN**  
1/4" = 1'-0"

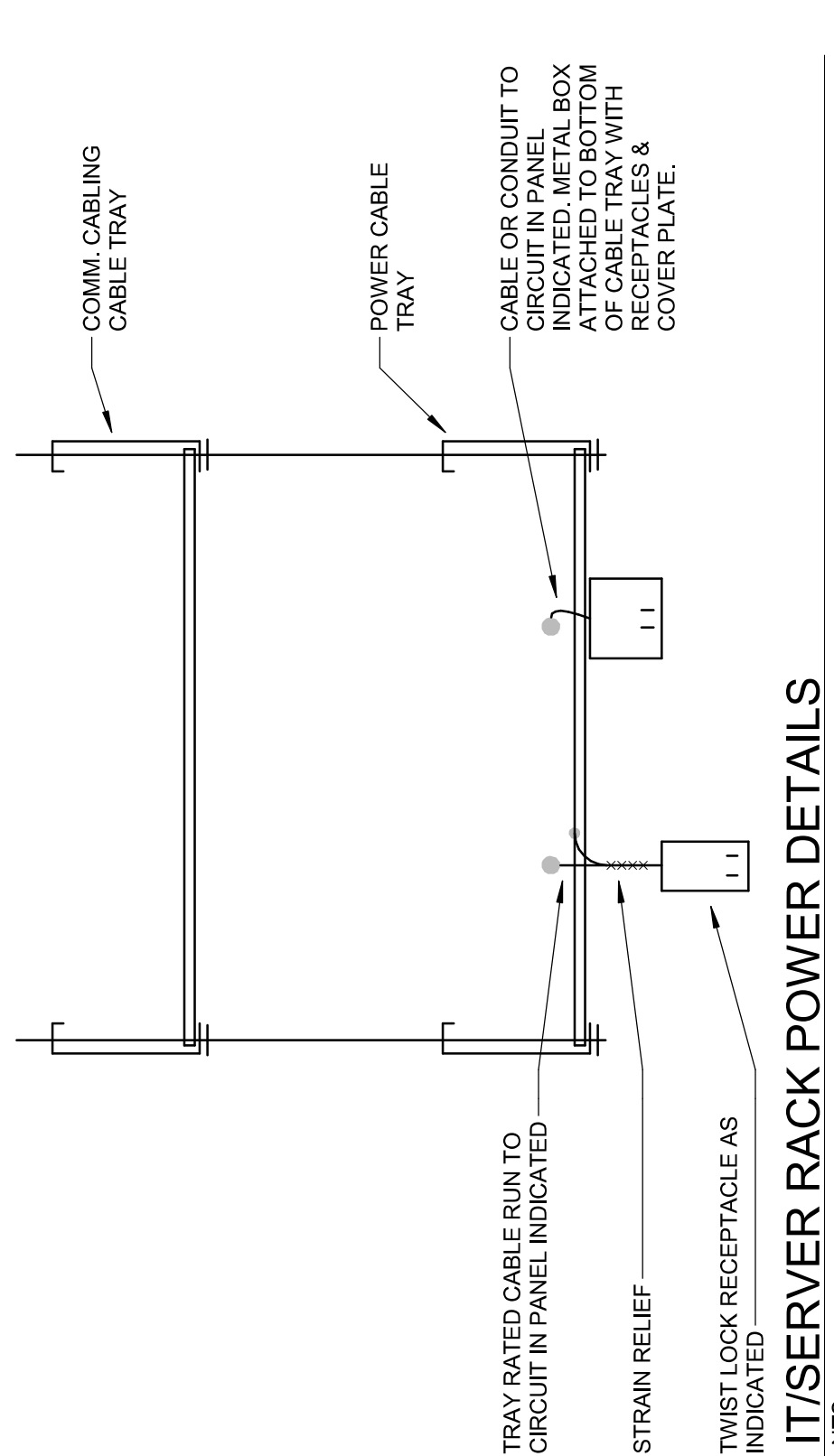


**4 SECTION - IT/SERVER ROOM**  
NTS  
1/4" = 1'-0"

- RACK NOTES:**
- EXISTING PD RACK RELOCATED FROM SAFETY COMPLEX.
  - NEW NETWORK RACK.
  - NEW CABLING SWITCH RACK.
  - TELEPHONE RACK
  - SPACES/PARE RACK
  - SECURITY RACK
  - NEW MOTOROLA RADIO RACK RELOCATED FROM SAFETY COMPLEX.
  - PSAP RACK RELOCATED FROM SAFETY COMPLEX.
  - 811 RACK RELOCATED FROM SAFETY COMPLEX.
  - SPECIAL RECEPTACLE SYMBOL REPRESENTS 20 AMP 2 POLE TWIST LOCK RECEPTACLE UL20R. UNLESS NOTED OTHERWISE, ALL SHOWN ARE ONLY 20A 2 POLES. UL20R NON SPECIAL RECEPTABLES ARE UL20R.



**1 ELECTRICAL POWER COMM. EQUIP./SERVERS A152 PART PLAN**  
1/4" = 1'-0"



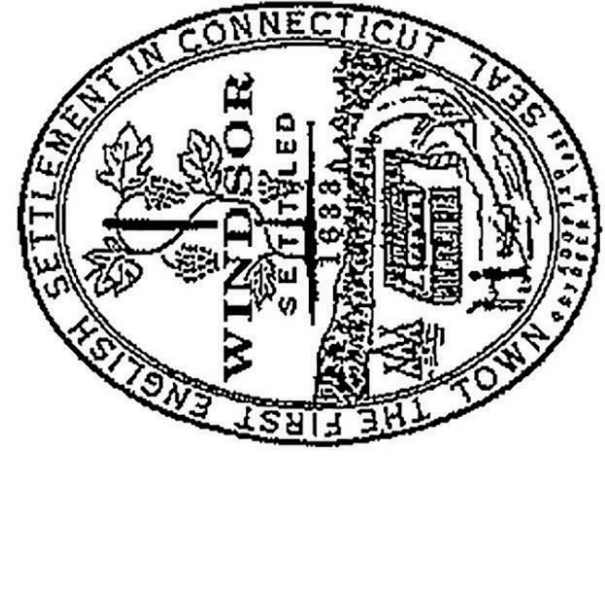
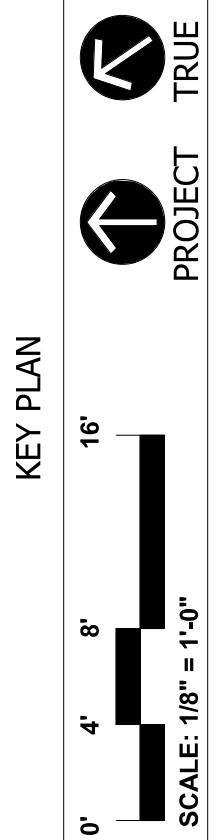
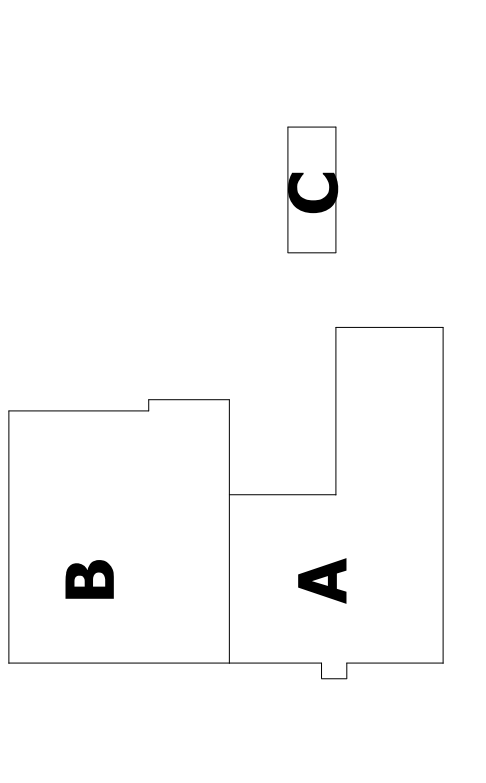
**3 IT/SERVER RACK POWER DETAILS**  
NTS  
1/4" = 1'-0"



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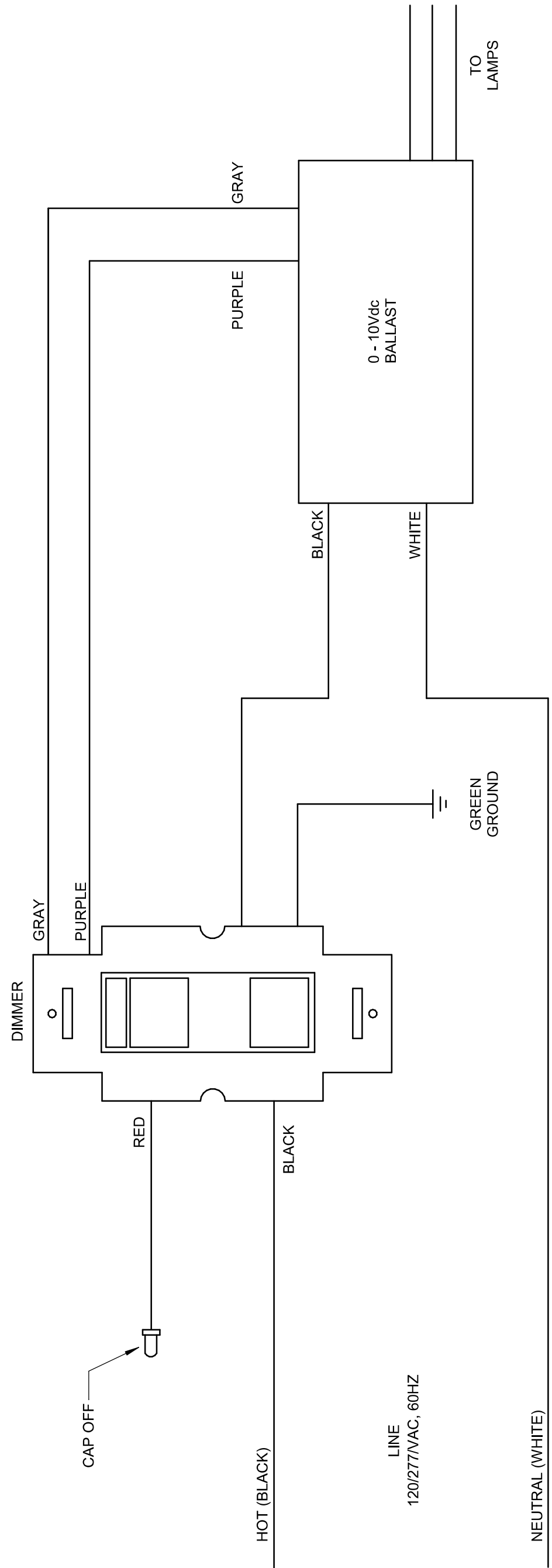
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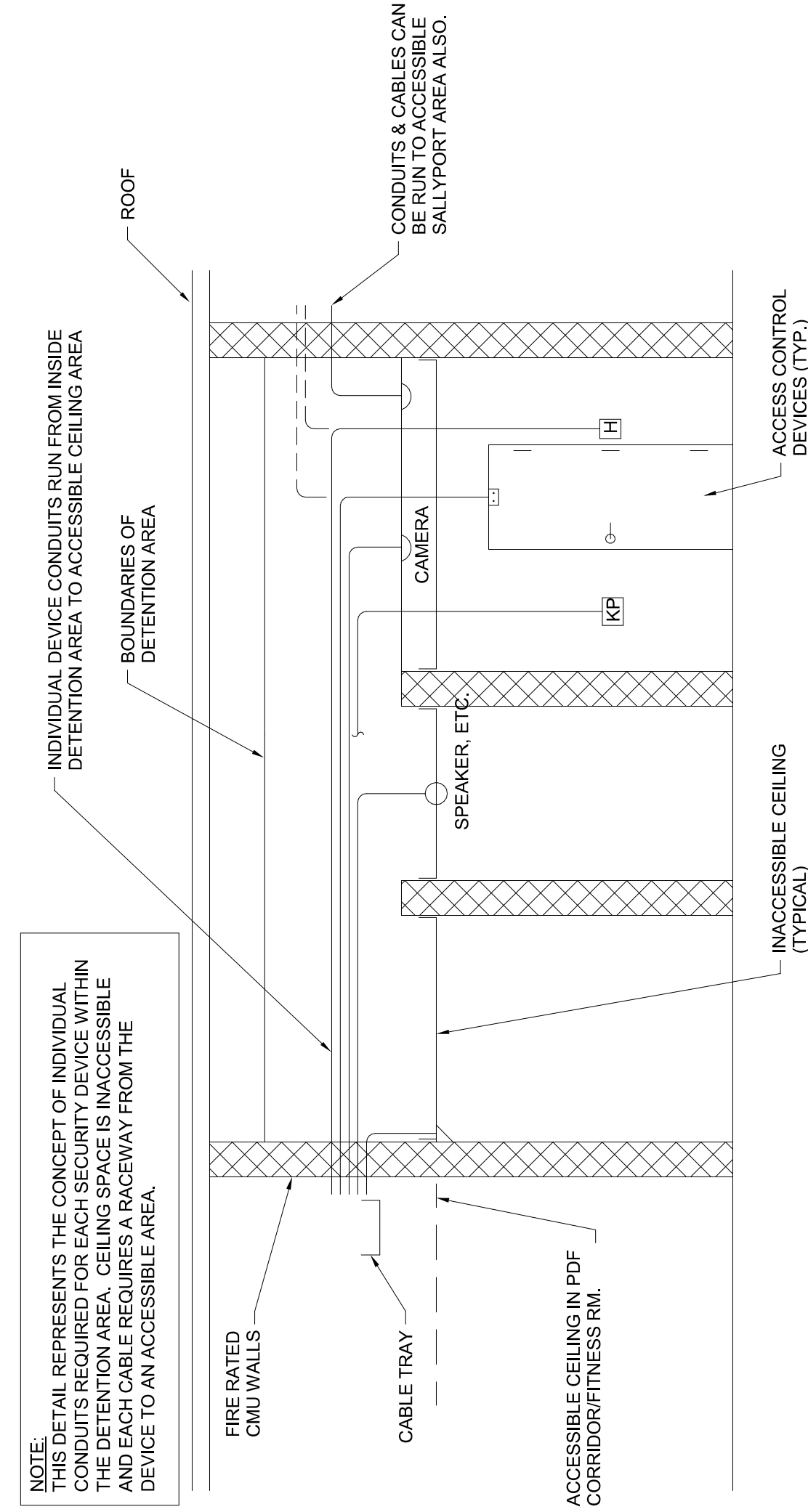
**ADDITIONS & RENOVATIONS  
WINDSOR POLICE FACILITY  
110 ADDISON ROAD  
WINDSOR, CT 06095**

PROJECT NO.: 18-214 DRAWN BY: CEM

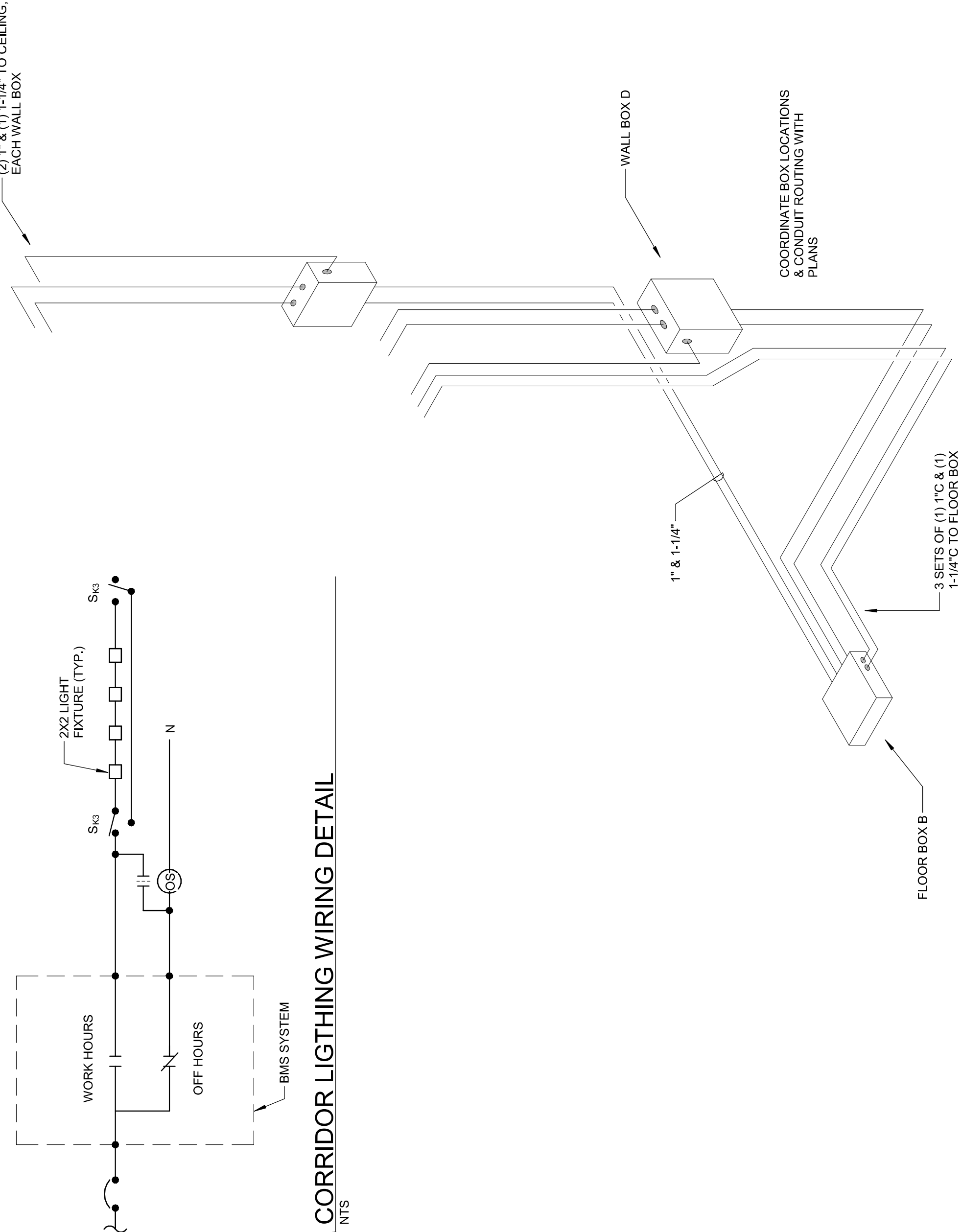
**ELECTRICAL  
DETAILS**



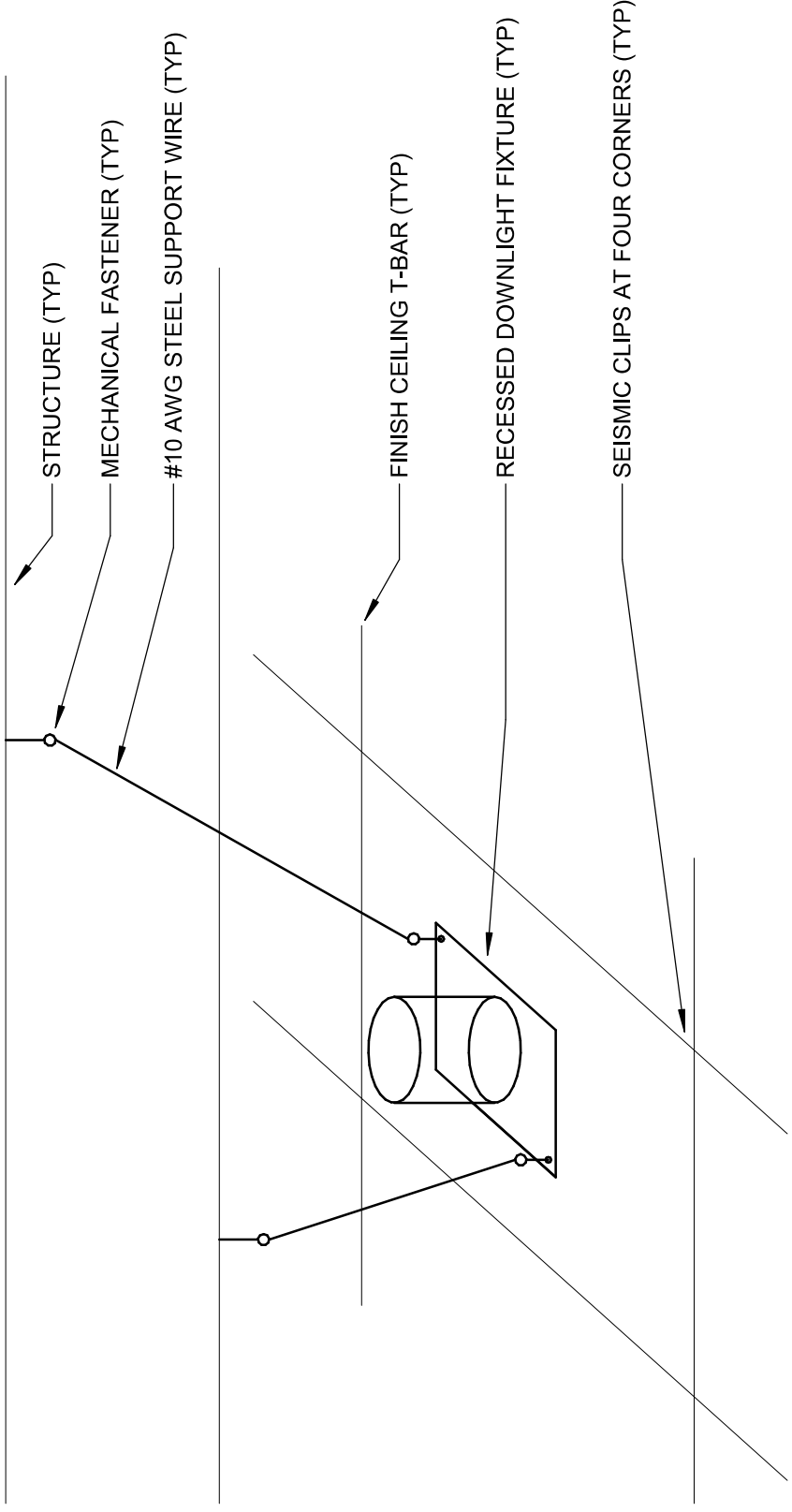
**1** SINGLE-LOCATION CONTROL APPLICATION  
NTS



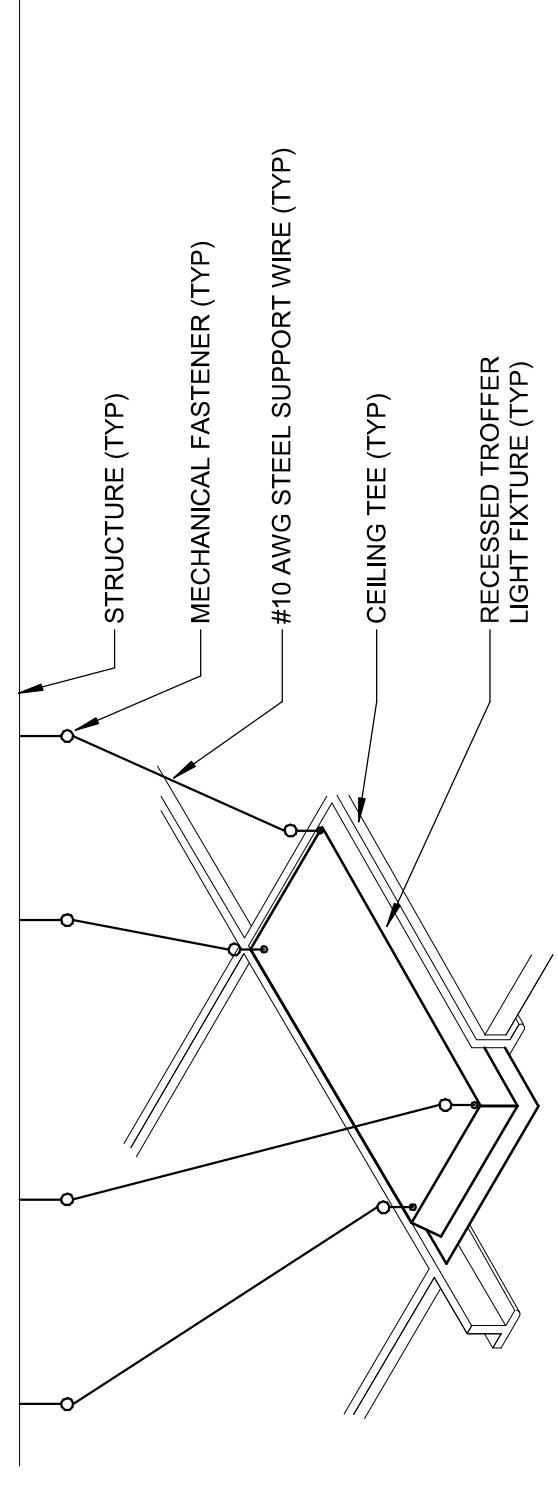
**12** DETAIL - DETENTION AREA CABLING  
1/8" = 1'-0"



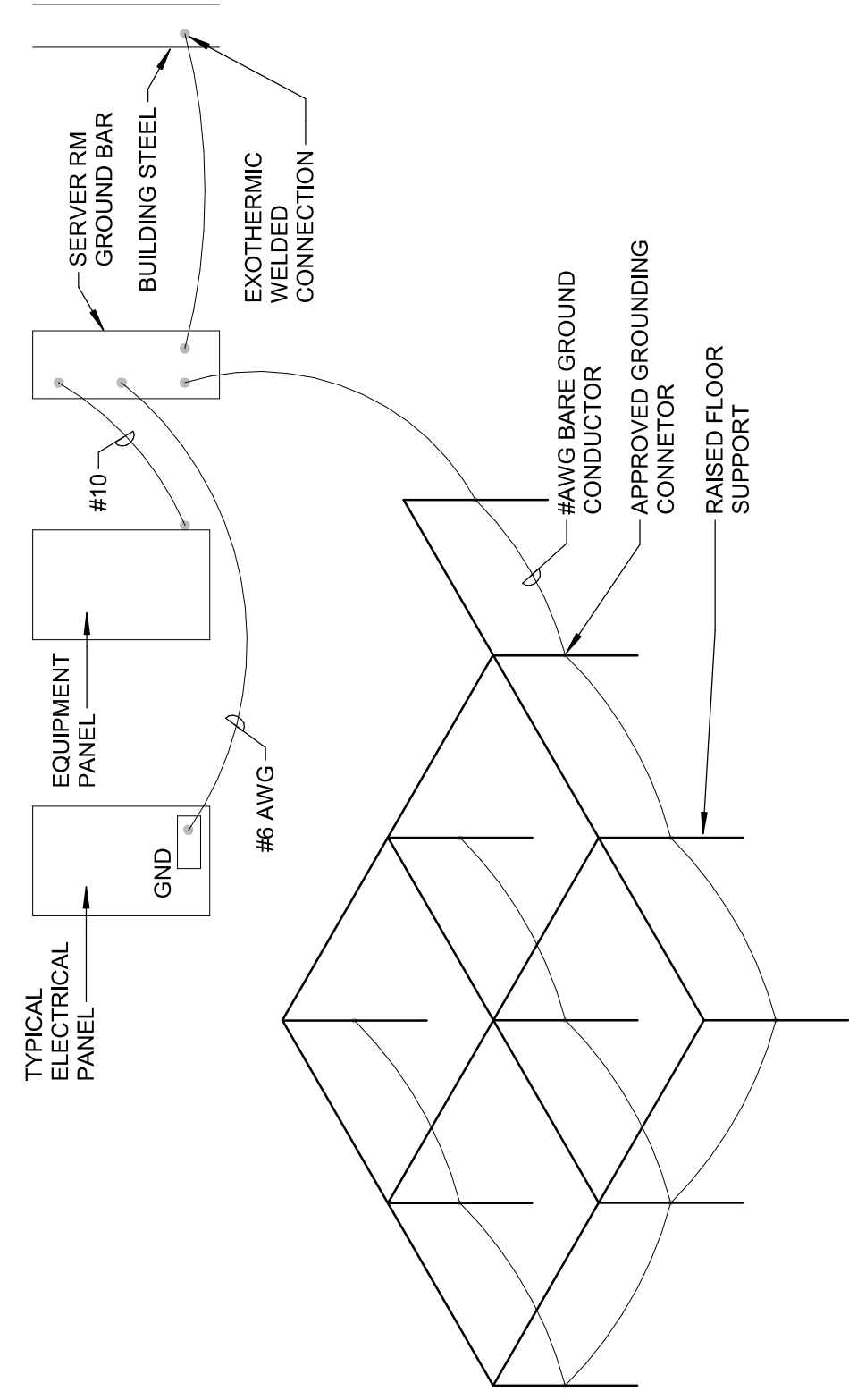
**5** CORRIDOR LIGHTING WIRING DETAIL  
NTS



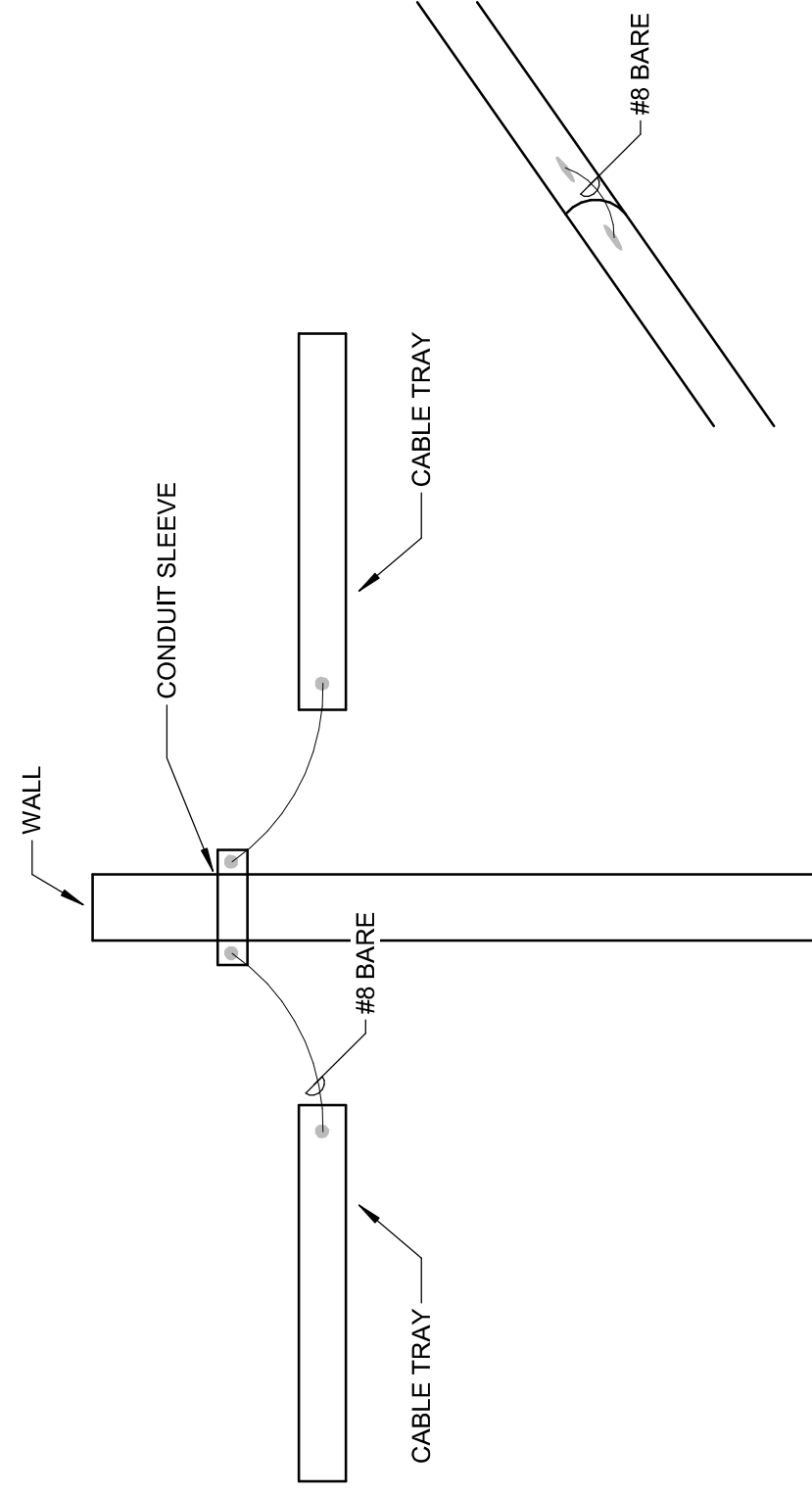
**2** TYPICAL RECESSED DOWNLIGHT SUPPORT DETAIL  
NTS



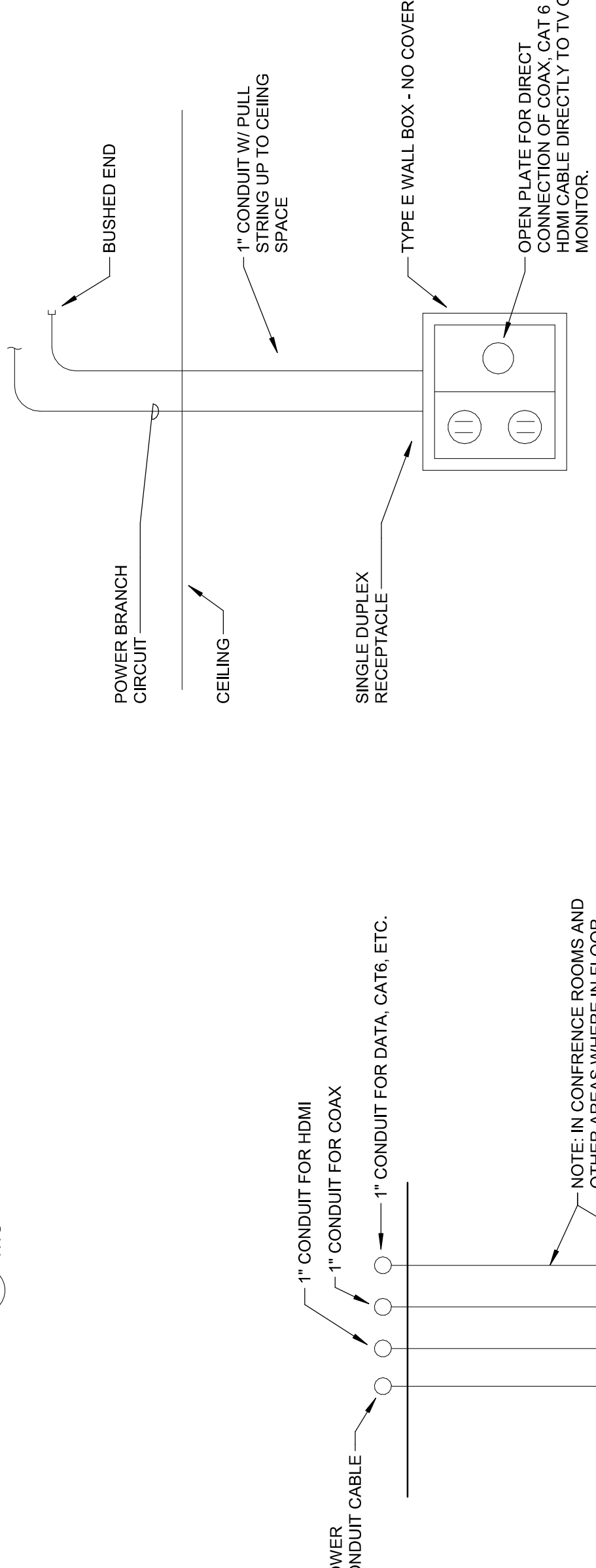
**3** TYPICAL RECESSED TROFFER LIGHT SUPPORT DETAIL  
NTS



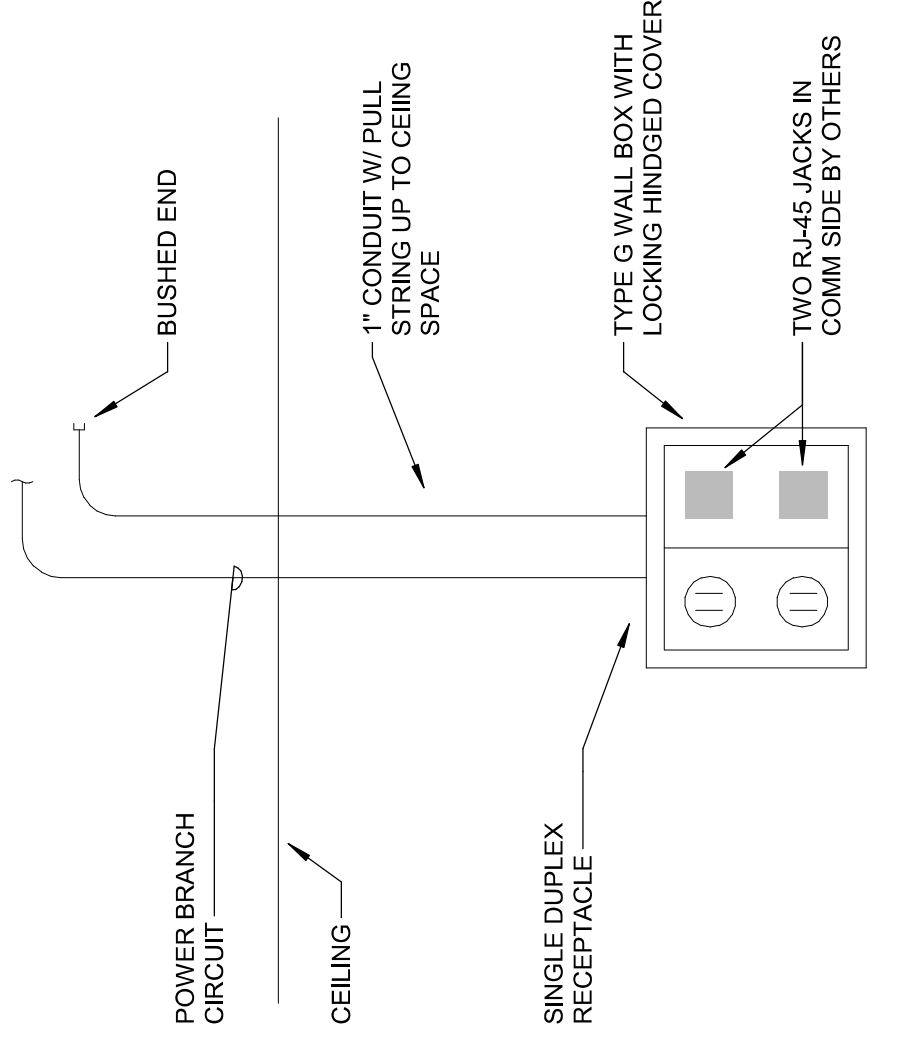
**10** RAISED FLOOR GROUNDING DETAIL  
NTS



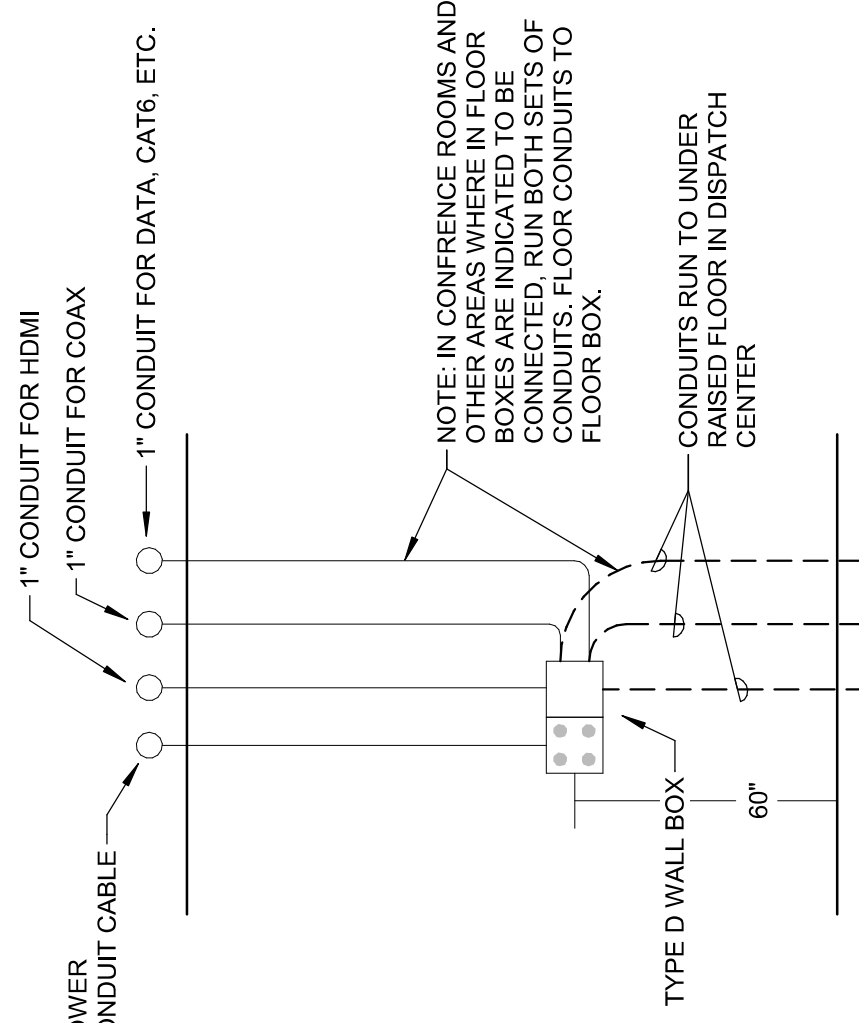
**11** CABLE TRAY BONDING DETAIL  
NTS



**8** TYPE "E" WALL BOX  
NTS



**9** TYPE "G" WALL BOX  
NTS



**7** ROUGH-IN DETAIL - TYPE D WALL BOX  
NTS

**6** COMMUNICATIONS ROUGH-IN - CONF. A129 & A165  
NTS

**CEILING PLAN NOTES**

1. REFER TO CEILING PLANS FOR SPECIFICATIONS FOR MECHANICAL, ELECTRICAL, FIRE PROTECTION AND ARCHITECTURAL ELEMENTS. REFER TO RESPECTIVE DRAWINGS FOR SPECIFIC INFORMATION.
2. REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR LOCATION OF SPRINKLER PIPING AND ADDITIONAL SPRINKLER HEADS. SPRINKLER HEADS TO BE LOCATED ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE.
3. SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF A 2' X 2' CEILING PANEL OR ONE HALF OF A 2' X 4' CEILING PANEL.
4. FOR REGISTER AND DIFFUSER SCHEDULE. REFER TO MECHANICAL DRAWINGS FOR REGISTER AND DIFFUSER SCHEDULE. REFER TO MECHANICAL DRAWINGS FOR REGISTER AND DIFFUSER SCHEDULE.
5. LIGHT FIXTURE SYMBOLS ON REFLECTED CEILING PLANS ARE DIAGRAMMATIC FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURES AND TYPES. REFER TO REFLECTED CEILING PLAN FOR LIGHT FIXTURES AS INDICATED ON THE ELECTRICAL DRAWINGS.
6. FOR CEILING HEIGHTS AND TYPES. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND TYPES.
7. NO SUSPENDED LOADS SHALL BE SUPPORTED BY THE ROOF DECK. THIS INCLUDES PIPING, DUCTWORK, MECHANICAL EQUIPMENT, STAGE RIGGING, LIGHT FIXTURES, SIGNAGE, AND OTHER ITEMS. ALL ITEMS SHALL BE ATTACHED TO CEILING HANGERS FROM BUILDING'S STRUCTURAL MEMBERS. DO NOT SUPPORT CEILING DIRECTLY TO ROOF DECK. SEE SPECIFICATIONS FOR SPECIFIC LIMITATIONS AND FURTHER INSTALLATION REQUIREMENTS.

**CEILING TYPE LEGEND**

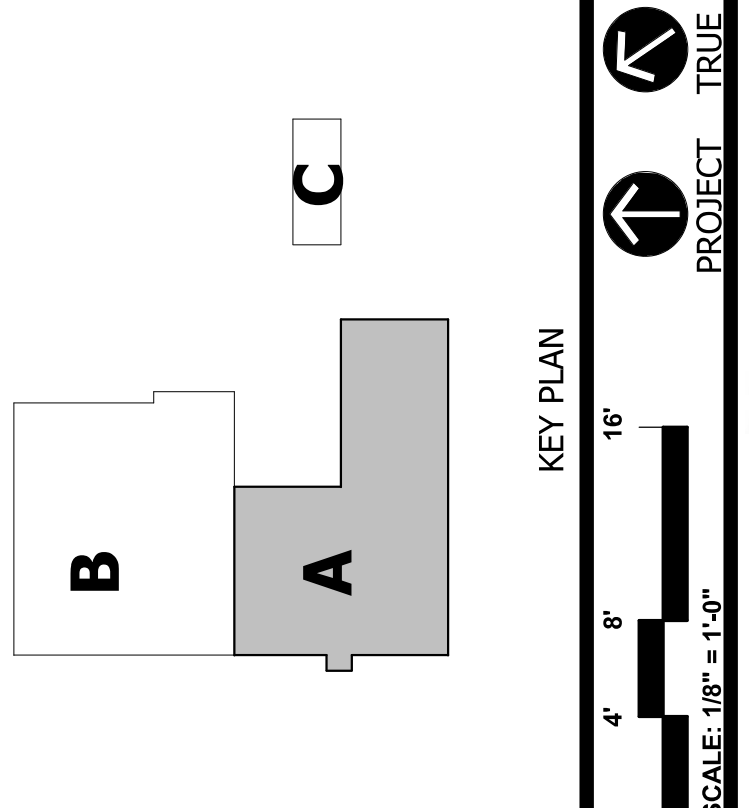
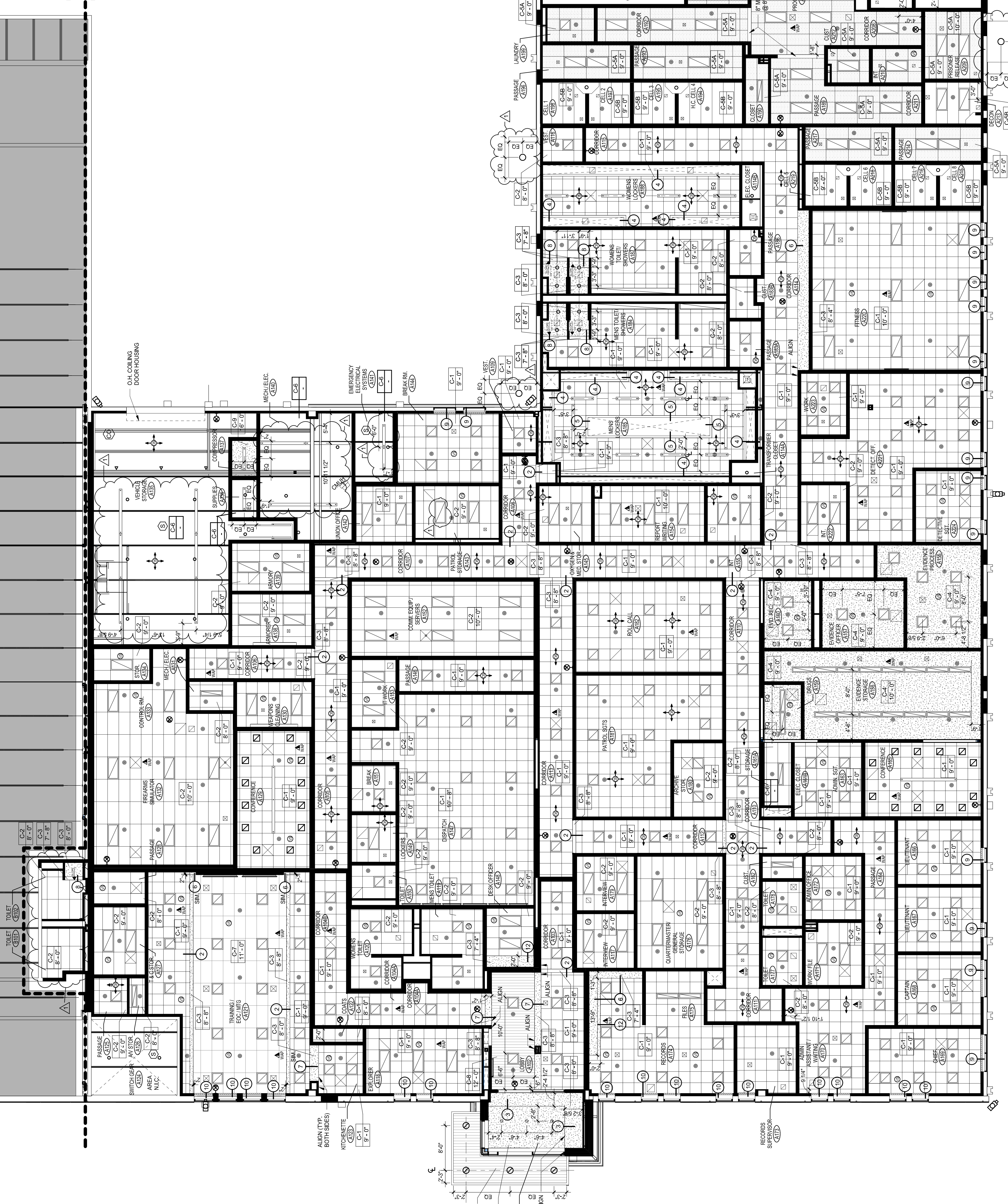
C-1	ACOUSTICAL PANEL (2' X 2')
C-2	ACOUSTICAL PANEL (2' X 4')
C-3	GYP BOARD (PAINT AS INDICATED IN FINISH SCHED.)
C-4	A.R.G.B. (PAINT AS INDICATED IN FINISH SCHED.)
C-5A	ACOUSTICAL METAL PANEL (SECURITY CEILING)
C-5B	ACOUSTICAL METAL PANEL (STANDARD)
C-6	EXPOSED STRUCTURE - PAINTED
C-7	ARMSTRONG CIRRIUS SECOND LOCK
C-8	ARMSTRONG METALWORKS LINEAR PLANK
C-9	STRUCTURAL CONCRETE PANEL ON 6" MTL. STUD

**CEILING PLAN LEGEND**

	CEILING TYPE C-1
	CEILING HEIGHT ABOVE FINISHED FLOOR
	2' X 4' SUSPENDED ACOUSTICAL PANEL
	GYP BOARD CEILING
	RECESSED LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	WALL MOUNTED LIGHT
	HVAC SUPPLY OR RETURN DIFFUSER OR REGISTER
	RADIANT HEAT PANEL
	EXT SIGN - SEE ELEC. DWGS. FOR DIRECTIONAL INFORMATION
	SMOKE OR HEAT DETECTOR
	CARBON MONOXIDE DETECTOR
	SECURITY CAMERA
	SPEAKER
	SPRINKLER HEAD - UPWARD ACTING
	SECURITY MOTION DETECTOR
	ACCESS PANEL
	CEILING MOUNTED UNIT HEATER
	SHAFT WALL ABOVE CEILING. SEE A6.00 DWGS FOR DETAILS. SEE A2.00 DETAIL DWGS FOR SOFT DETAIL. SEE A2.00 DETAIL DWGS FOR DETAILS.
	WIRELESS ACCESS POINT
	AREA NOT IN CONTRACT

NOTE: INSTALL CEILING HANGERS FROM BUILDING'S STRUCTURAL MEMBERS. DO NOT SUPPORT CEILING DIRECTLY TO ROOF DECK. SEE SPECIFICATIONS FOR SPECIFIC LIMITATIONS AND FURTHER INSTALLATION REQUIREMENTS.

MATCHLINE AREA B  
MATCHLINE AREA A



**ADDITIONS & RENOVATIONS  
WINDSOR POLICE  
FACILITY**  
110 ADDISON ROAD  
WINDSOR, CT 06095

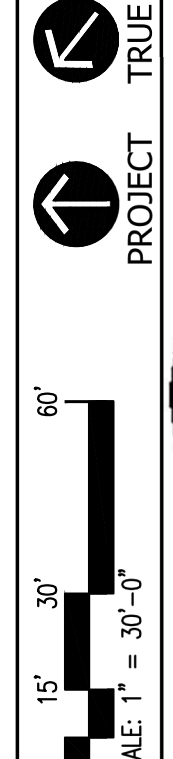
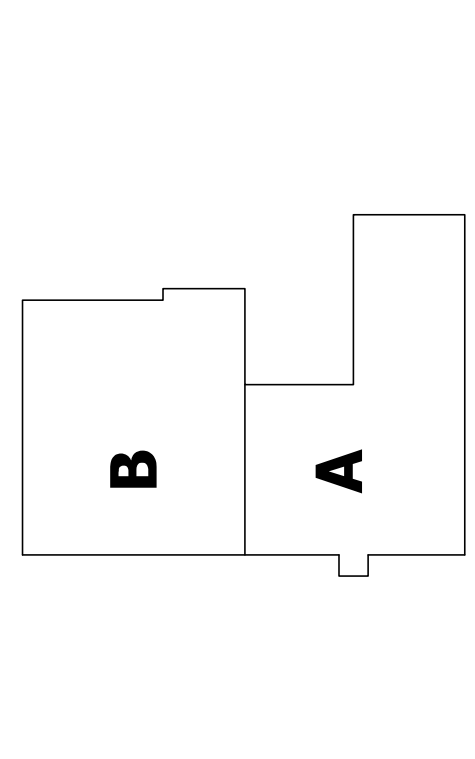
PROJECT NO.: 18009.01  
DRAWN BY: LGG  
**MAIN LEVEL  
REFLECTED  
CEILING PLAN**  
DRAWING NO.: **A2.01**



DATE	DESCRIPTION
MARCH 1, 2019	DRAWINGS ISSUED FOR SCHEMATIC DESIGN ESTIMATE
APRIL 12, 2019	DRAWINGS ISSUED FOR DESIGN DEVELOPMENT
MAY 31, 2019	DRAWINGS ISSUED FOR 90% CONSTRUCTION DOCUMENTS
JULY 2, 2019	DRAWINGS ISSUED FOR BID AND CONSTRUCTION

DATE	DESCRIPTION
	REVISIONS

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01



# ADDITIONS & RENOVATIONS WINDSOR POLICE FACILITY

1.10 ADDISON ROAD  
WINDSOR, CT 06095

PROJECT NO.: 18009.01  
DRAWN BY: GAW

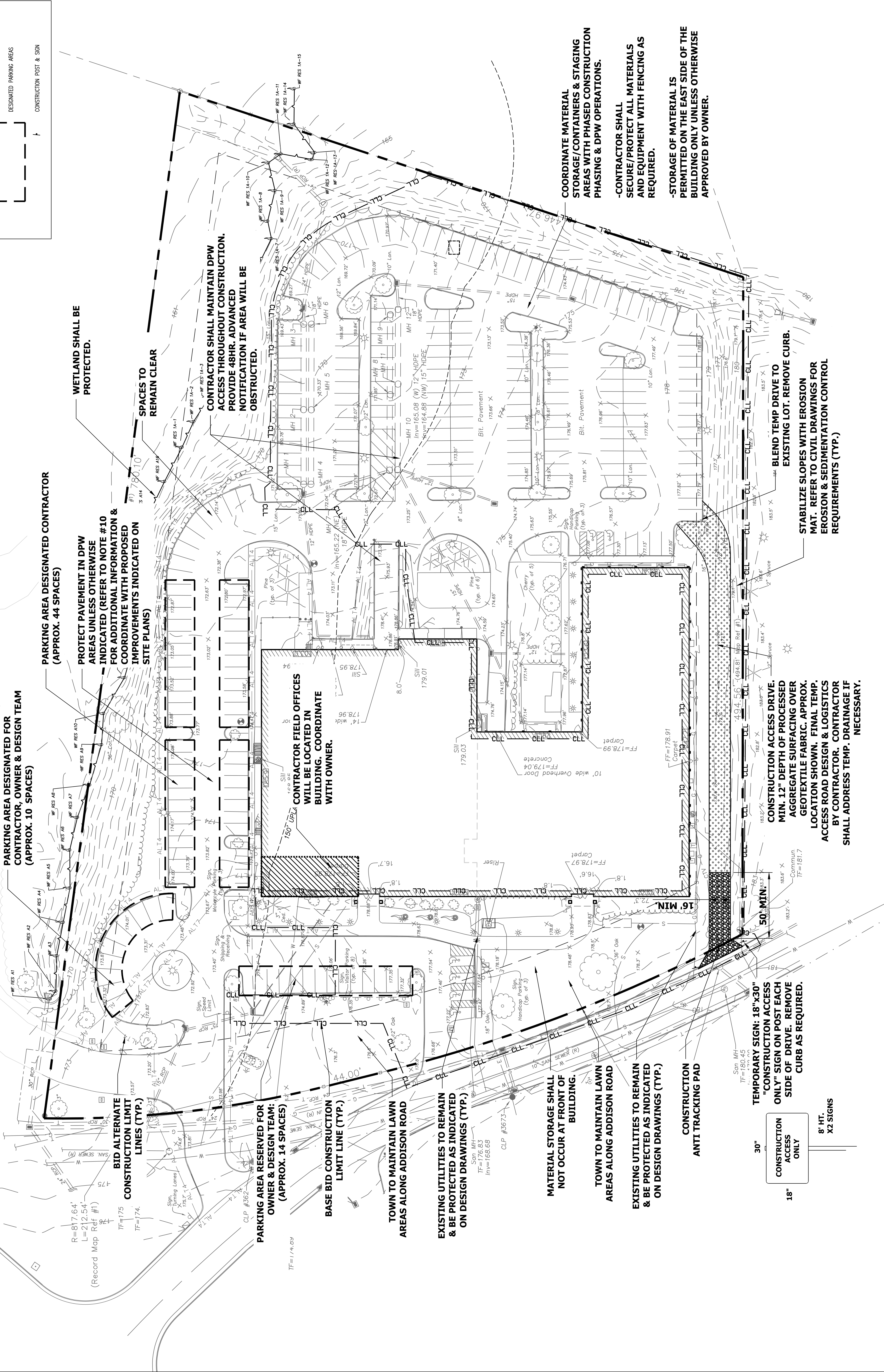
## SITE CONSTRUCTION LOGISTICS PLAN

DRAWING NO.: **CL1.01**

### LEGEND

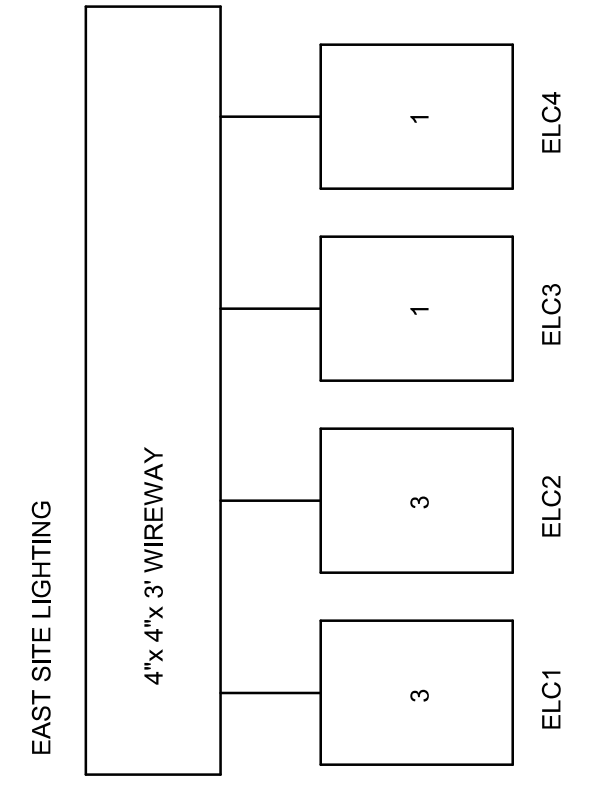
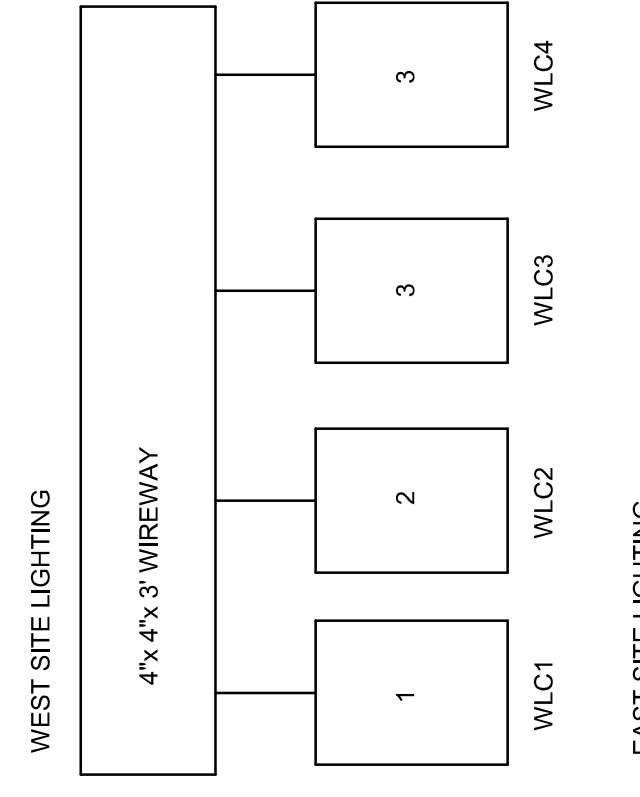
- CLL — BASE BID CONSTRUCTION LIMIT LINE
- ALT # — BID ALTERNATE CONSTRUCTION LIMIT LINES
- RADIAL DIMENSION
- LINEAR DIMENSION
- ANGULAR DIMENSION
- ANTI-TRACKING PAD
- PROCESSED AGGREGATE CONSTRUCTION ACCESS DRIVE
- DESIGNATED FIELD OFFICE AREA
- DESIGNATED PARKING AREAS
- CONSTRUCTION POST & SIGN

- ### NOTES
- SITE LOGISTICS PLAN INFORMATION IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE TO PROVIDE A SITE LOGISTICS PLAN FOR OWNER FINAL REVIEW AND APPROVAL.
  - CONSTRUCTION SHALL NOT INTERFERE WITH DPW OPERATIONS. NOTIFY DPW OF WORK SCHEDULE THAT MAY IMPACT DPW OPERATIONS. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOUR ADVANCED NOTICE OF POSSIBLE OBSTRUCTION OF DPW ACCESS AREAS.
  - CONTRACTOR SHALL ADJUST CONSTRUCTION FENCING AND ALL TEMPORARY MEASURES, INCLUDING BUT NOT LIMITED TO FENCING, ANTI TRACKING PADS, MATERIAL STOCKPILES, UTILITIES, TRAFFIC CONTROL, AS REQUIRED TO ENABLE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL COORDINATE MATERIAL STORAGE AREAS WITH DPW.
  - CONTRACTOR SHALL COORDINATE MATERIAL STORAGE AREAS WITH DPW.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING WORK AREAS AS REQUIRED.
  - ALL TEMPORARY MEASURES REQUIRED TO ENABLE CONSTRUCTION SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION. RESTORE TO EXISTING IF NO IMPROVEMENTS ARE PROPOSED IN THE AREA.
  - INSTALL TEMPORARY DIRECTIONAL SIGNAGE AS REQUIRED THROUGHOUT THE DURATION OF CONSTRUCTION. REVIEW ALL TEMPORARY SIGNAGE WITH THE OWNER.
  - GENERAL CONTRACTOR SHALL FLOW SNOW AND MAINTAIN ALL AREAS IN WINTER CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - MAINTAIN EMERGENCY VEHICLE AND PERSONNEL ACCESS TO SITE AND BUILDING AT ALL TIMES.
  - UNDER THE BASE BID CONTRACT, THE EXISTING PAVEMENT SHALL REMAIN IN AREAS DESIGNATED AS THE DPW ALTERNATE PAVEMENT AREAS. THE PAVEMENT SHALL REMAIN AND BE PROTECTED. ANY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. REFER TO SITE PLANS FOR ALTERNATE LIMIT LINES.



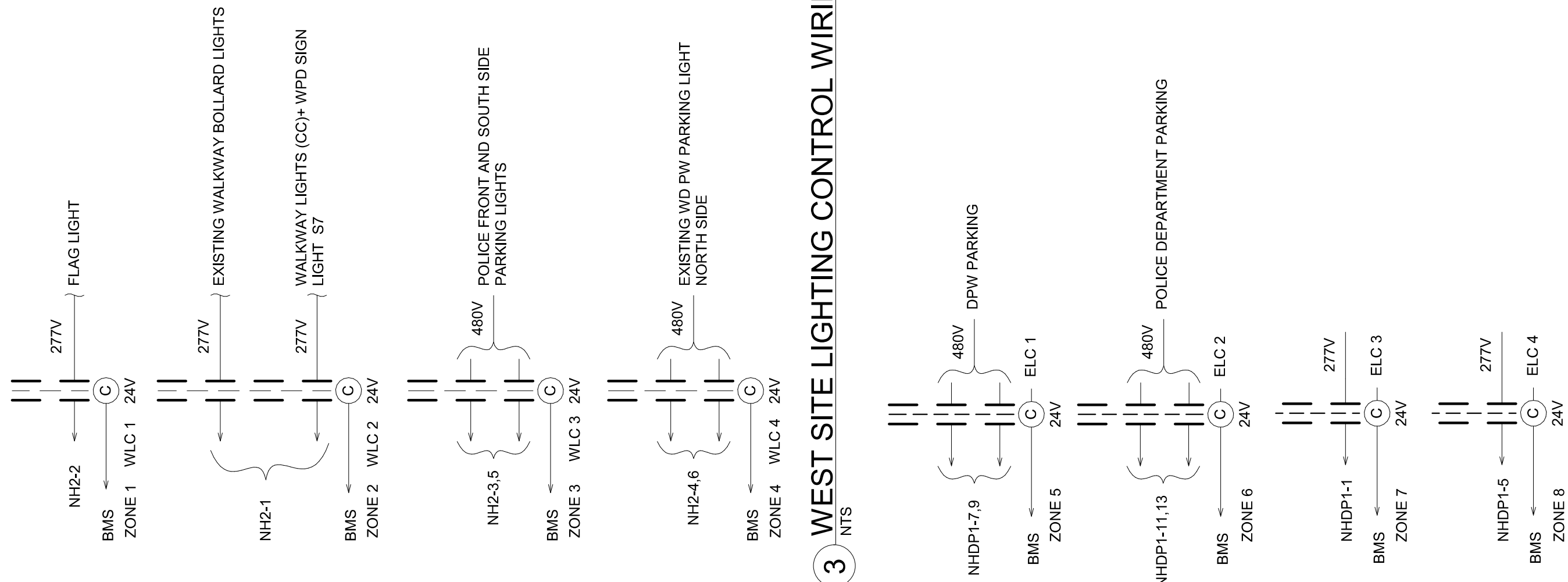
### ALTERNATE #7 FIBER CONDUIT NOTES:

- PROVIDE 2 NEW BURIED 3" CONDUITS AS INDICATED ON THIS PLAN FROM EXISTING HANDHOLE NEAR ROAD TO BUILDING.
- AT OTHER END OF EXISTING CONDUITS (ABOUT 200'), EXTEND THE (2) 3" CONDUITS TO THE DPWCELL TOWER BUILDING (APPROX. 180') AND CROSS ROADWAY ALONG PATH.
- PROVIDE NEW .5636x24TD HANDHOLE AT EXISTING HANDHOLE LOCATIONS.
- PROVIDE PULL ROPES IN ALL CONDUITS. NEW & EXISTING.

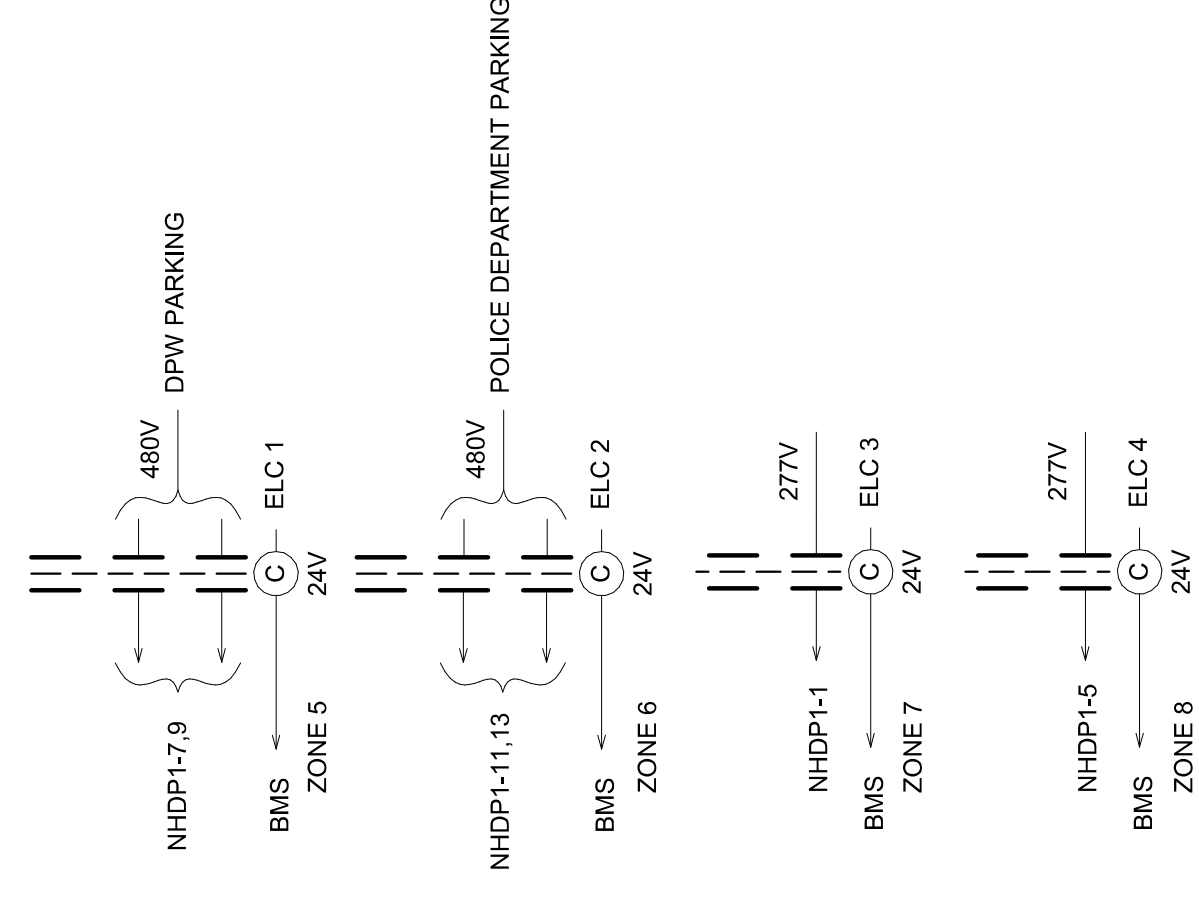


- #### CONTRACTOR NOTES
- SQUARE D LIGHTING CONTACTOR (LGS20V01 30A 2P RELAY 24VAC COIL)
  - SQUARE D LIGHTING CONTACTOR (LGS80V01 30A 4P RELAY 24VAC COIL)
  - SQUARE D LIGHTING CONTACTOR (LGS80V01 30A 3P RELAY 24VAC COIL)

### 4 SITE LIGHTING CONTACTOR LAYOUT



### 3 WEST SITE LIGHTING CONTROL WIRING DIAGRAM



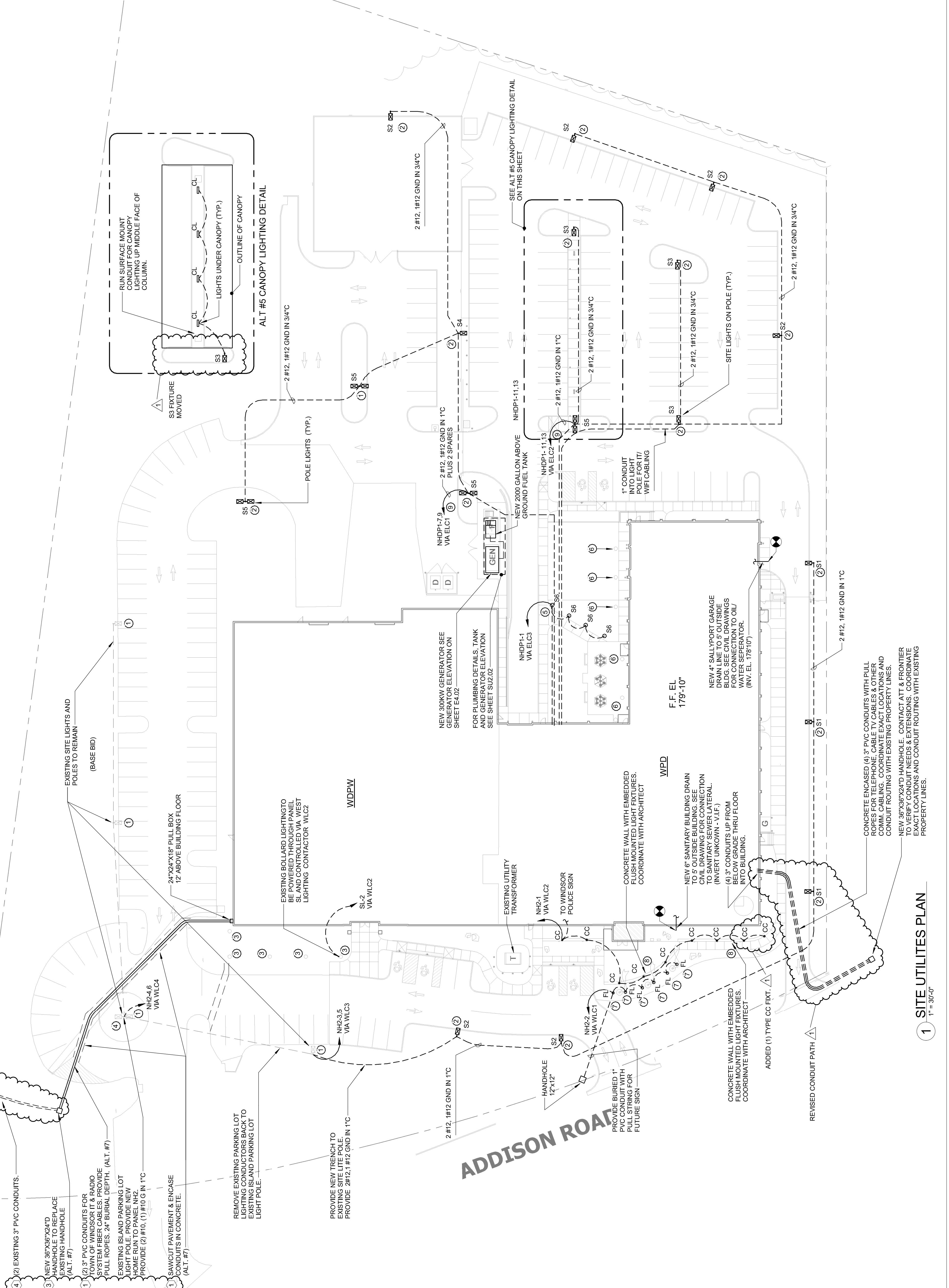
### 2 EAST SITE LIGHTING CONTROL WIRING DIAGRAM



- ### SITE LIGHTING NOTES:
- EXISTING SITE LIGHTING POLE BASE TO REMAIN. PROVIDE NEW 2FT POLE WITH NEW LUMINAIRE. SEE SITE LIGHTING SCHEDULE. PROVIDE ADAPTER PLATE TO ACCOMMODATE VARIATIONS IN ANCHOR BOLT PATTERN. (ALTERNATE #4 ONLY. SEE DRAWING SUZ.02 FOR DETAIL).
  - PROVIDE NEW MOUNTING BASE. 2FT POLE AND LUMINAIRE AS SHOWN IN SITE LIGHTING SCHEDULE. EXISTING BOLLARDS TO REMAIN. MOVE SOURCE FROM PANEL H1 TO PANEL NH2. BOLLARD LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC1.
  - RELOCATE EXISTING SOURCE FROM PANEL H1 TO NEW PANEL NH2. PROVIDE JUNCTION BOX AND EXISTING CONDUCTORS TO PANEL NH2. SITE LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC4.
  - NEW LIGHTED BOLLARDS AND EXISTING BOLLARDS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA ELC3.
  - RELOCATE EXISTING SOURCE FROM PANEL H1 TO PANEL NH2. CONTROL EXISTING BOLLARDS FROM BUILDING MANAGEMENT SYSTEM VIA ELC3.
  - INGROUND MOUNTED FLAGPOLE LIGHT FIXTURES. CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC2.
  - COORDINATE EXACT QUANTITY OF WALL LIGHTS AND LOCATION WITH ARCHITECT BEFORE PURCHASE OF BRICK LIGHTS. WALKWAY LIGHTS (WALL LIGHTS) ARE CONTROLLED VIA WLC1.
  - HOMERUN PARKING LIGHT CIRCUITS TO PANEL NH2. SITE PARKING LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA LIGHTING CONTRACTORS. DPW PARKING LIGHTS NORTH VIA ELC1, WPD VIA ELC3.

### SITE LIGHTING GENERAL NOTES:

- SITE LIGHTING POLES AND NEW BASES SHALL WITHSTAND WIND SPEEDS OF 135 MILES PER HOUR.
- ALL SITE POLES ARE 20 FEET HIGH.
- SEE SITE LIGHTING SCHEDULE FOR EXACT LUMINAIRE TO BE INSTALLED.
- ALL NEW POLE FIXTURES - WALL PACKS AND BOLLARDS SHALL BE PHOTOCELL CONTROLLED.
- POLICE DEPARTMENT BUILDING MOUNTED LIGHT FIXTURES WP1, WP2 AND 1A ARE POWERED ON DRAWING SUZ.02.
- DPW BUILDING MOUNTED LIGHT FIXTURES WP1, WP2 ARE POWERED ON PART PLAN ON SHEET XXX.
- SEE DRAWING SU1.02 FOR POWER TO MOTORIZED GATES AND SITE CAMERAS.
- ALL BURIED CONDUITS UNDER ROADS AND PARKING LOT AREAS SHALL BE CONCRETE ENCASED. SEE DETAIL ON SHEET SUZ.01.



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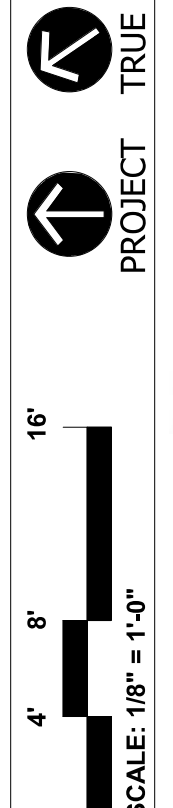
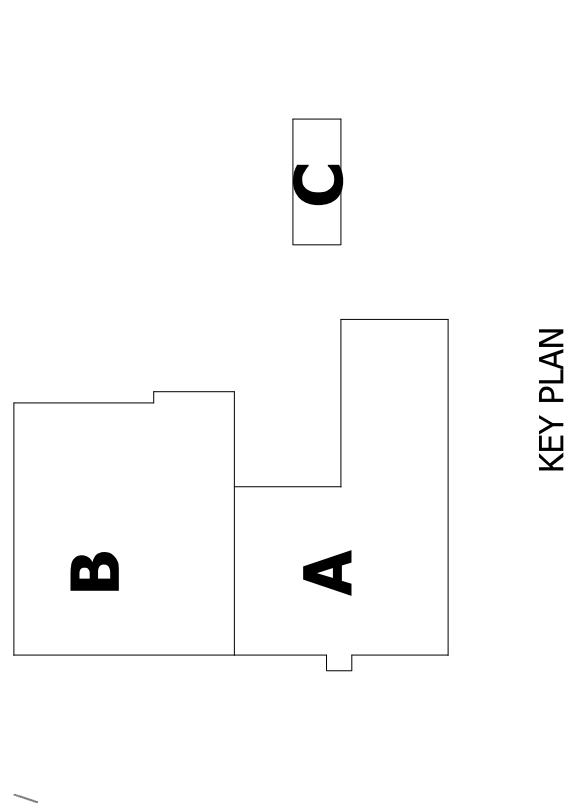
Email: kba@kba-architects.com • Web: www.kba-architects.com



ISSUE DATE	DESCRIPTION
MARCH 1, 2019	DRAWINGS ISSUED FOR SCHEMATIC DESIGN ESTIMATE
APRIL 12, 2019	DRAWINGS ISSUED FOR DESIGN DEVELOPMENT
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REVISIONS	DESCRIPTION
1	Added
2	Added

FOR ALL ABBREVIATIONS, SYMBOL, LEGENDS, AND GENERAL NOTES SEE SHEET R0.01

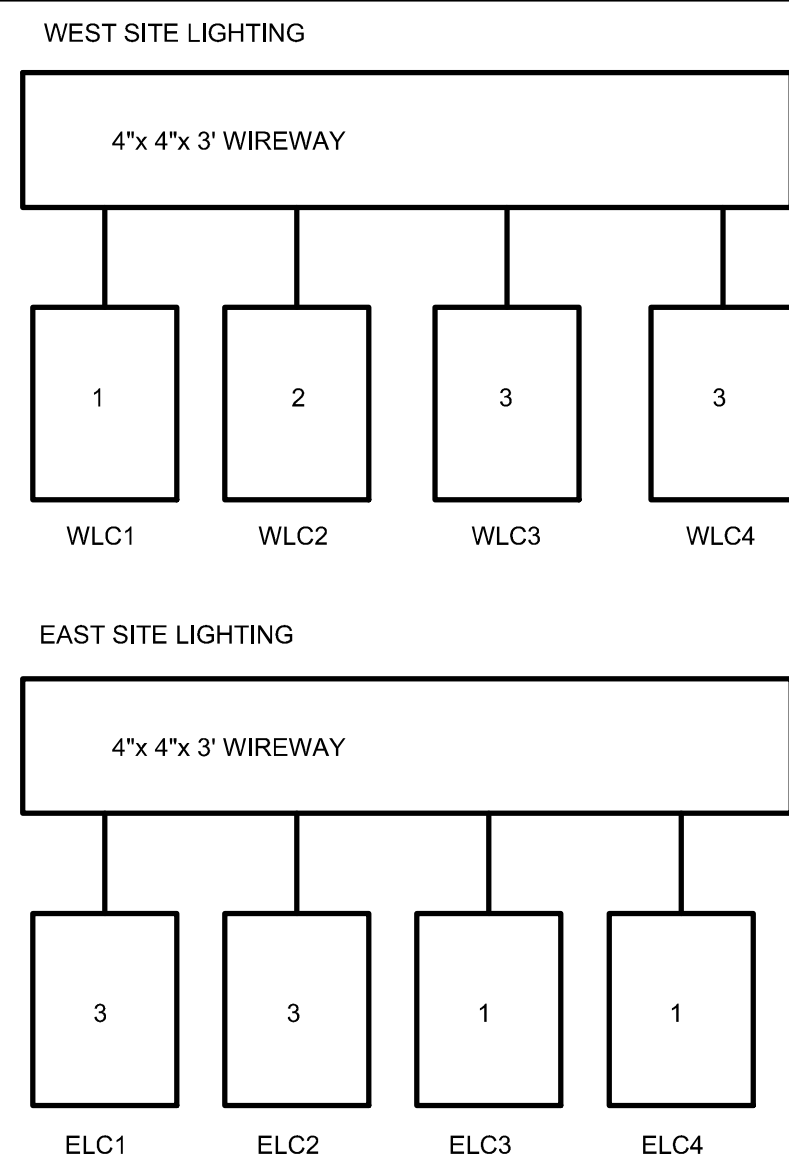


# ADDITIONS & RENOVATIONS WINDSOR POLICE FACILITY

110 ADDISON ROAD  
WINDSOR, CT 06095

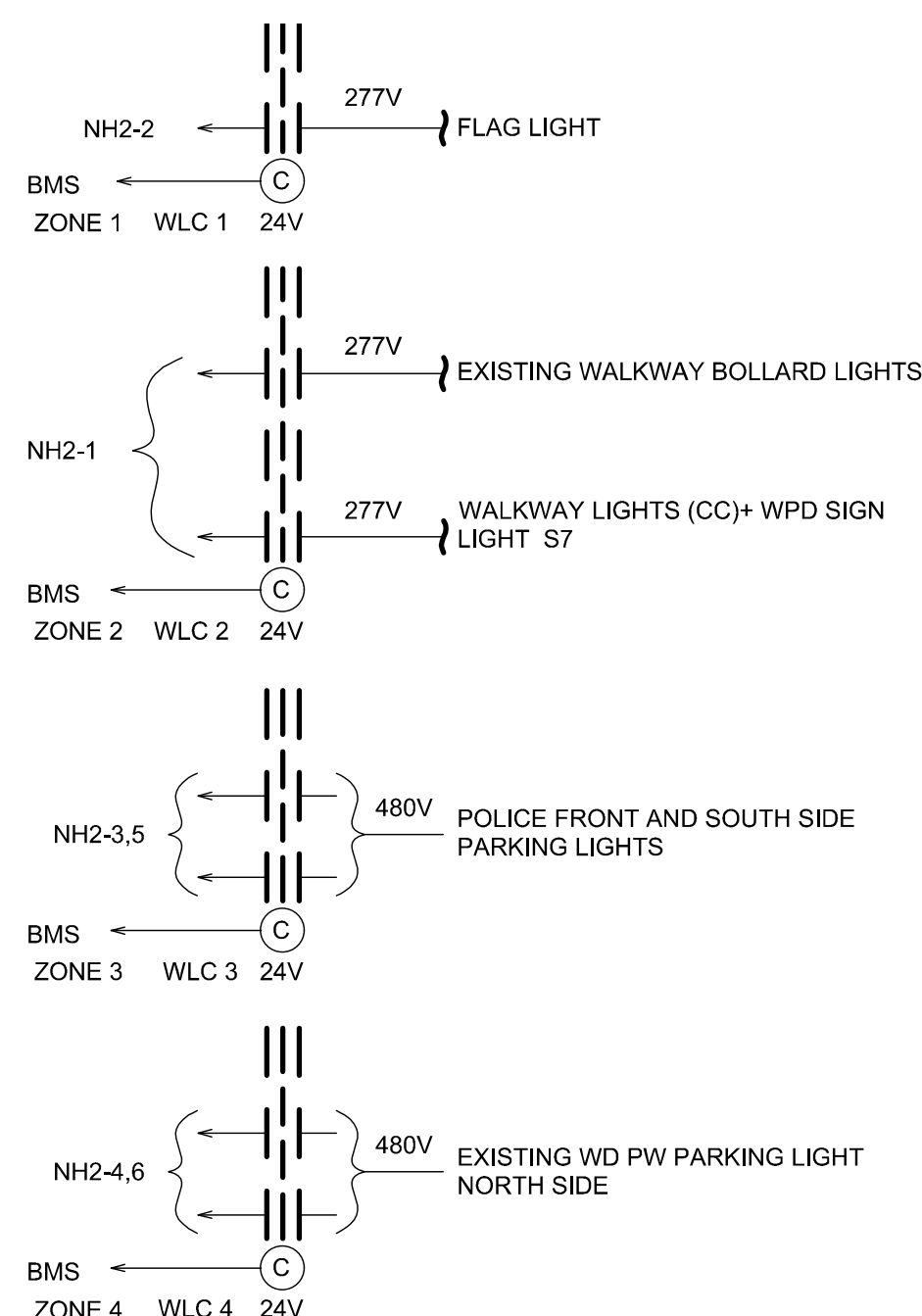
PROJECT NO.: 18-214  
DRAWN BY: CEM

## MEP SITE UTILITIES PLAN

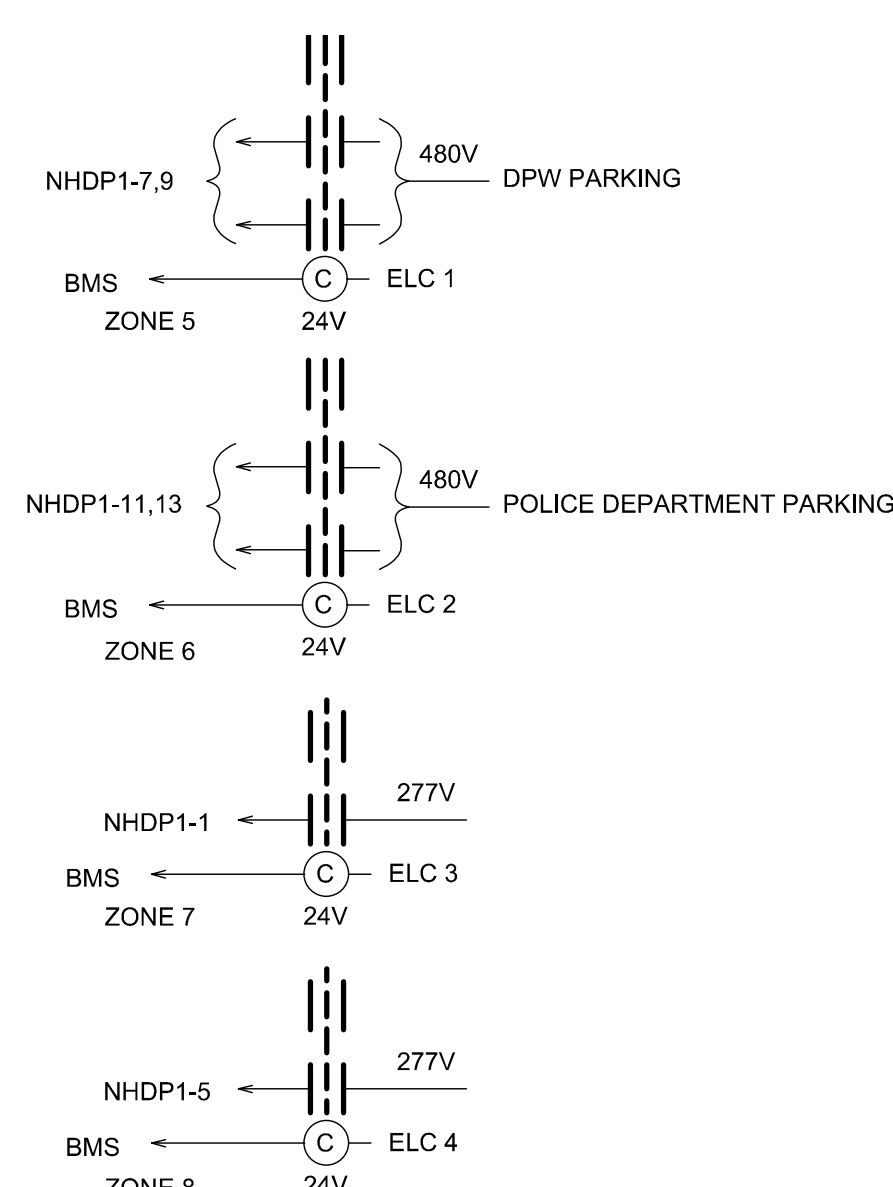


- CONTACTOR NOTES**
- SQUARE D LIGHTING CONTACTOR LG20V01 30A 2P RELAY 24VAC COIL
  - SQUARE D LIGHTING CONTACTOR LG40V01 30A 4P RELAY 24VAC COIL
  - SQUARE D LIGHTING CONTACTOR LG30V01 30A 3P RELAY 24VAC COIL

**4 SITE LIGHTING CONTACTOR LAYOUT NTS**



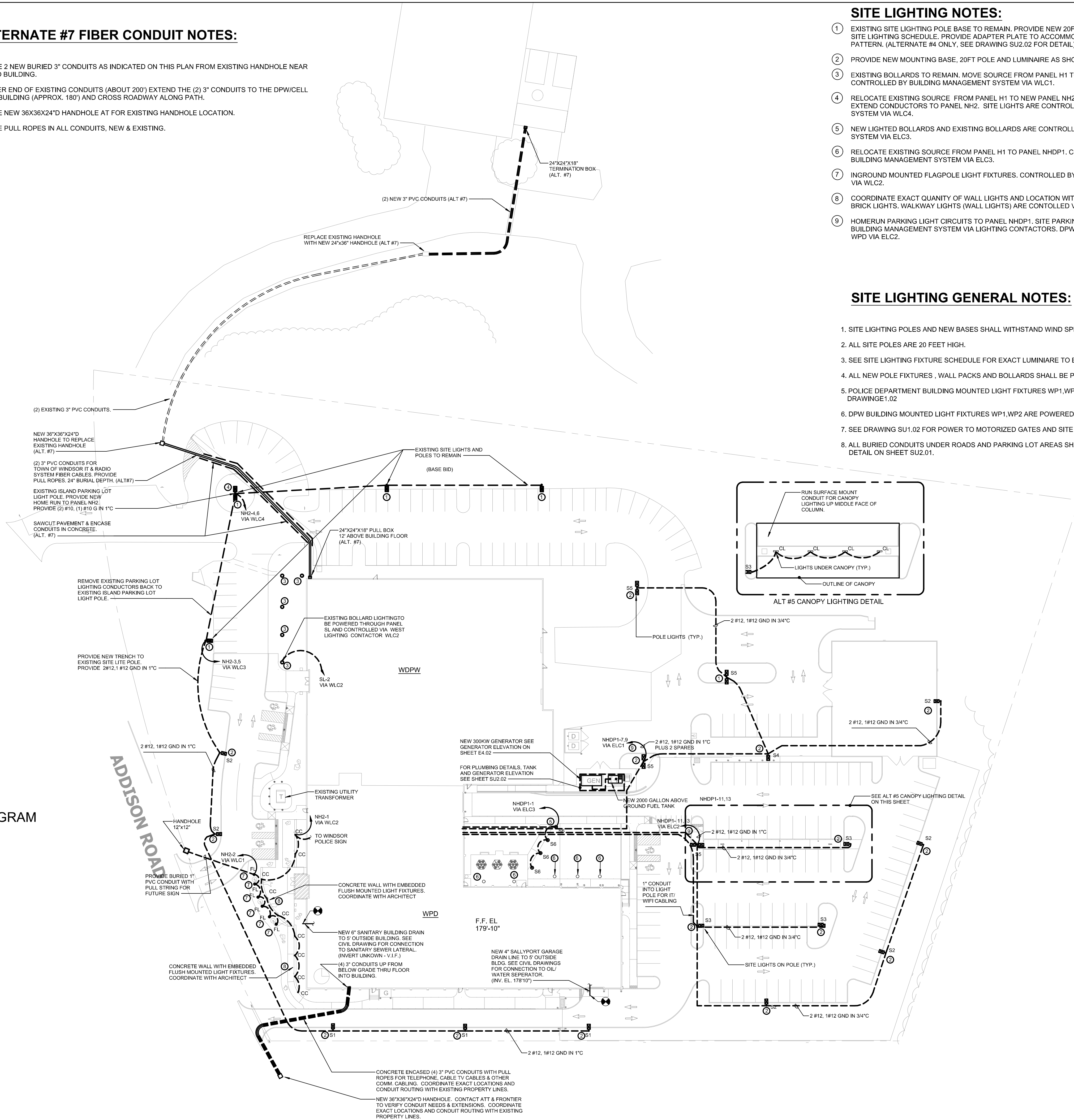
**3 WEST SITE LIGHTING CONTROL WIRING DIAGRAM NTS**



**2 EAST SITE LIGHTING CONTROL WIRING DIAGRAM NTS**

**ALTERNATE #7 FIBER CONDUIT NOTES:**

- PROVIDE 2 NEW BURIED 3" CONDUITS AS INDICATED ON THIS PLAN FROM EXISTING HANDHOLE NEAR ROAD TO BUILDING.
- AT OTHER END OF EXISTING CONDUITS (ABOUT 200') EXTEND THE (2) 3" CONDUITS TO THE DPW/CELL TOWER BUILDING (APPROX. 180') AND CROSS ROADWAY ALONG PATH.
- PROVIDE NEW 36X36X24" HANDHOLE AT FOR EXISTING HANDHOLE LOCATION.
- PROVIDE PULL ROPES IN ALL CONDUITS, NEW & EXISTING.



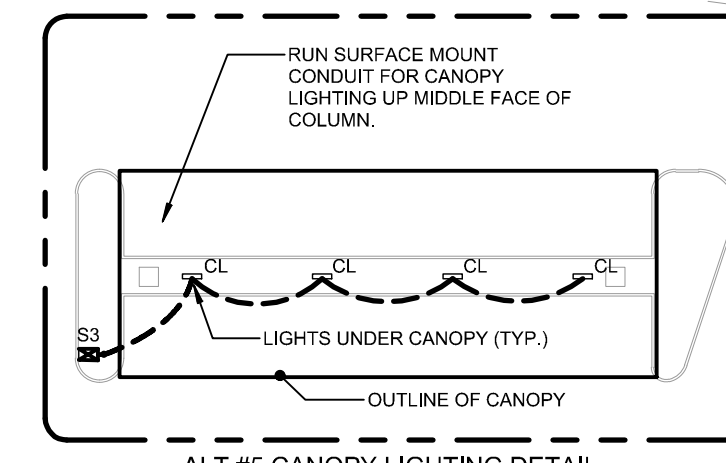
**1 SITE UTILITES PLAN 1" = 40'-0"**

**SITE LIGHTING NOTES:**

- EXISTING SITE LIGHTING POLE BASE TO REMAIN. PROVIDE NEW 20FT POLE WITH NEW LUMINAIRE. SEE SITE LIGHTING SCHEDULE. PROVIDE ADAPTER PLATE TO ACCOMMODATE VARIATIONS IN ANCHOR BOLT PATTERN. (ALTERNATE #4 ONLY. SEE DRAWING SU2.02 FOR DETAIL).
- PROVIDE NEW MOUNTING BASE, 20FT POLE AND LUMINAIRE AS SHOWN IN SITE LIGHTING SCHEDULE.
- EXISTING BOLLARDS TO REMAIN. MOVE SOURCE FROM PANEL H1 TO PANEL NH2. BOLLARD LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC1.
- RELOCATE EXISTING SOURCE FROM PANEL H1 TO NEW PANEL NH2. PROVIDE JUNCTION BOX AND EXTEND CONDUCTORS TO PANEL NH2. SITE LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC4.
- NEW LIGHTED BOLLARDS AND EXISTING BOLLARDS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA ELC3.
- RELOCATE EXISTING SOURCE FROM PANEL H1 TO PANEL NHDP1. CONTROL EXISTING BOLLARDS FROM BUILDING MANAGEMENT SYSTEM VIA ELC3.
- INGROUND MOUNTED FLAGPOLE LIGHT FIXTURES. CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA WLC2.
- COORDINATE EXACT QUANTITY OF WALL LIGHTS AND LOCATION WITH ARCHITECT BEFORE PURCHASE OF BRICK LIGHTS. WALKWAY LIGHTS (WALL LIGHTS) ARE CONTROLLED VIA WLC1
- HOMERUN PARKING LIGHT CIRCUITS TO PANEL NHDP1. SITE PARKING LIGHTS ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM VIA LIGHTING CONTACTORS. DPW PARKING LIGHTS NORTH VIA ELC1. WPD VIA ELC2.

**SITE LIGHTING GENERAL NOTES:**

- SITE LIGHTING POLES AND NEW BASES SHALL WITHSTAND WIND SPEEDS OF 135 MILES PER HOUR.
- ALL SITE POLES ARE 20 FEET HIGH.
- SEE SITE LIGHTING FIXTURE SCHEDULE FOR EXACT LUMINAIRE TO BE INSTALLED.
- ALL NEW POLE FIXTURES, WALL PACKS AND BOLLARDS SHALL BE PHOTOCELL CONTROLLED.
- POLICE DEPARTMENT BUILDING MOUNTED LIGHT FIXTURES WP1,WP2 AND AA ARE POWERED ON DRAWINGE.102
- DPW BUILDING MOUNTED LIGHT FIXTURES WP1,WP2 ARE POWERED ON PART PLAN ON SHEET XXX.
- SEE DRAWING SU1.02 FOR POWER TO MOTORIZED GATES AND SITE CAMERAS.
- ALL BURIED CONDUITS UNDER ROADS AND PARKING LOT AREAS SHALL BE CONCRETE ENCASED. SEE DETAIL ON SHEET SU2.01.



**KAESTLE BOOS associates, inc**

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**RZ Design Associates, Inc.**  
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www.rzdesignassociates.com

DATE	DESCRIPTION
APRIL 3, 2019	DRAWINGS ISSUED FOR FOR TOWN OF WINDSOR PLANNING & ZONING COMMISSION & SITE PLAN REVIEW

DATE	REVISIONS
MAY 8, 2019	TP&Z UPDATE
JULY 12, 2019	SITE PLAN APPROVAL/RECORD SET

PROJECT TRUE

**ADDITIONS & RENOVATIONS WINDSOR POLICE FACILITY**  
100 ADDISON ROAD WINDSOR, CT 06095

PROJECT NO.: 18009.01 DRAWN BY: CEM

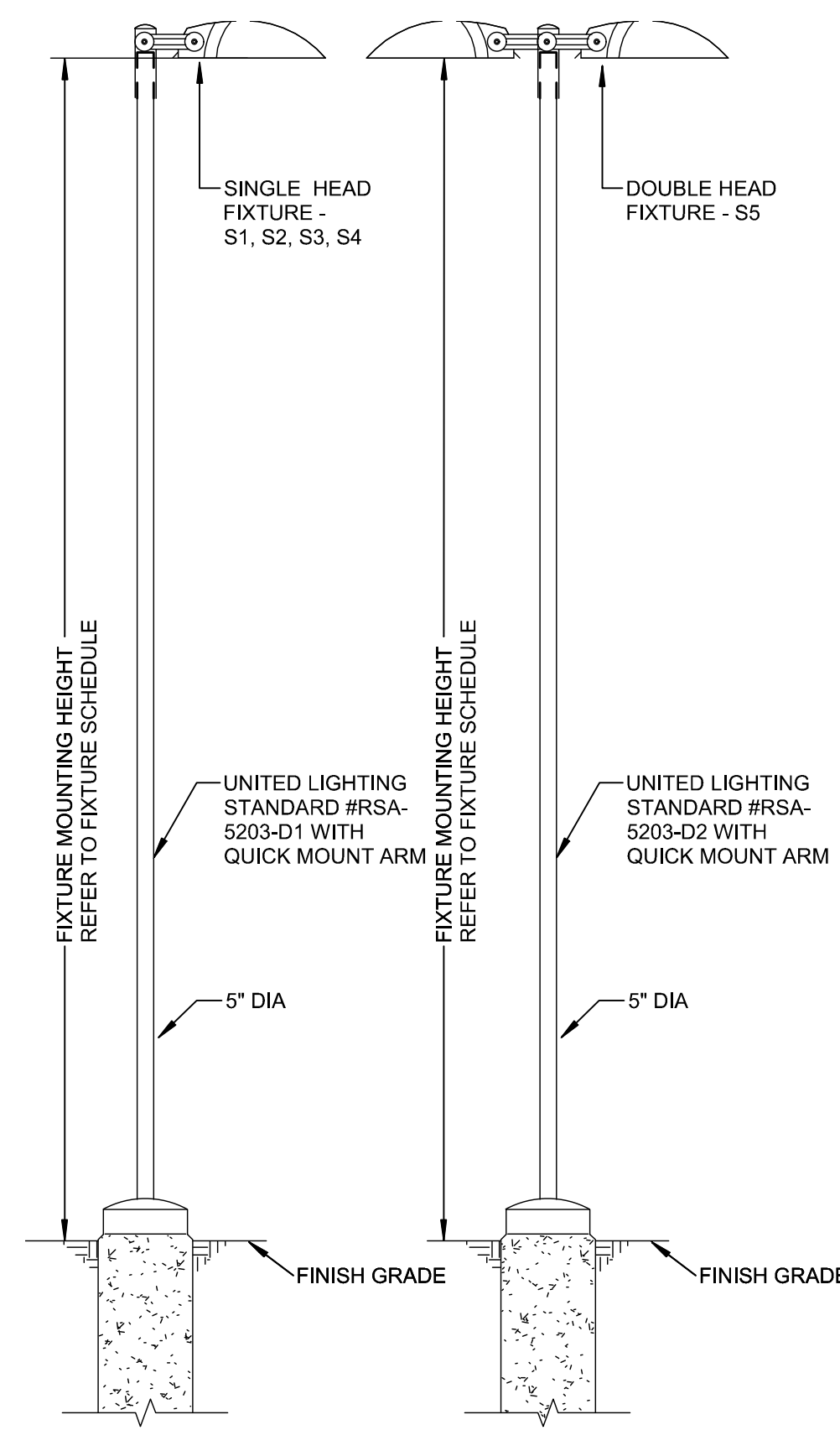
**MEP SITE UTILITIES PLAN**

DRAWING NO.: **SU1.01**

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**SITE LIGHTING FIXTURE SCHEDULE**

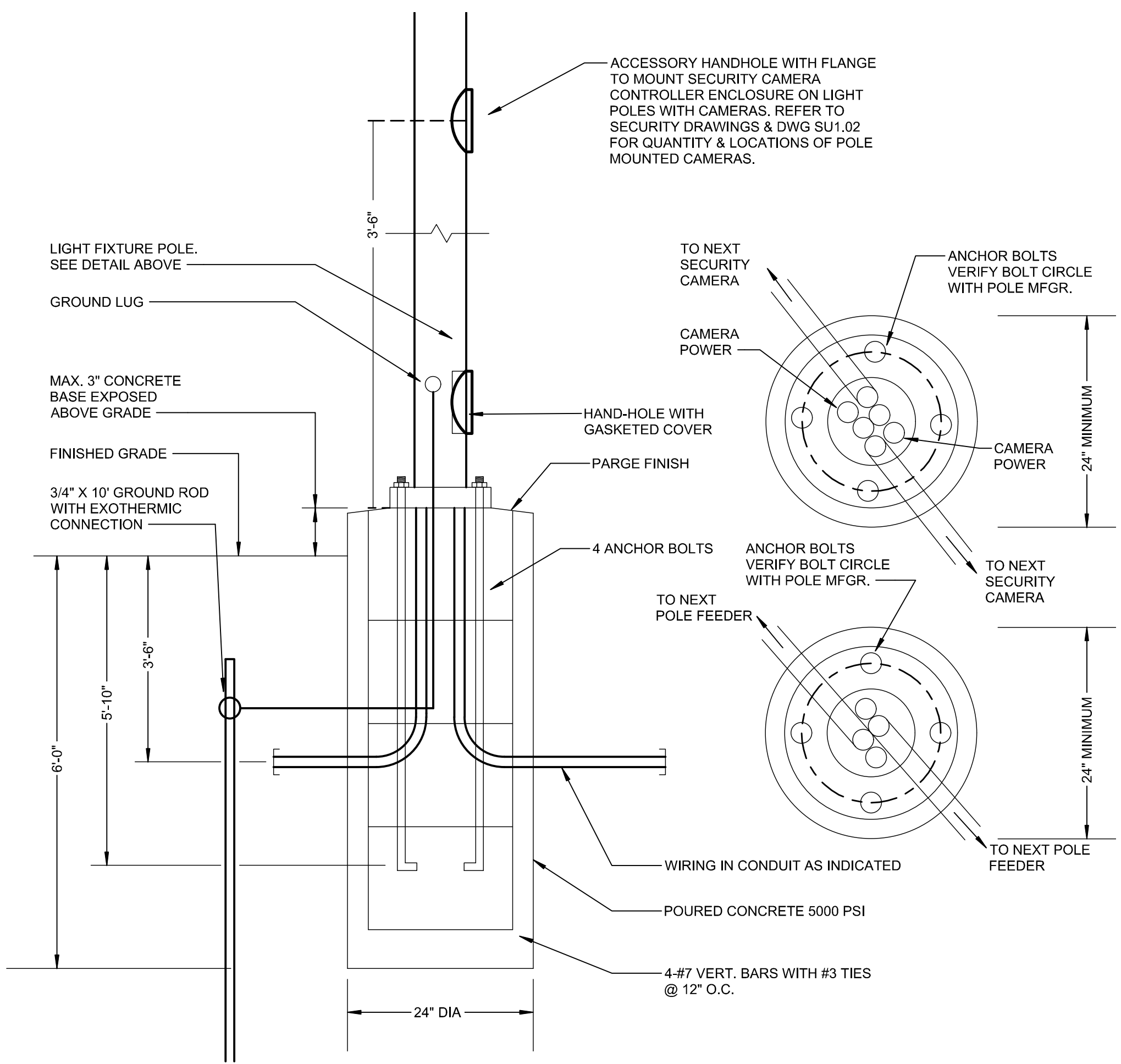
TYPE	MANUFACTURER	MODEL	LAMPS			VOLTAGE	REMARKS	ALTERNATE 1		ALTERNATE 2		ALTERNATE 3	
			LUMENS	WATTAGE	LUMENS/WATT			MANUFACTURER	MODEL	MANUFACTURER	MODEL	MANUFACTURER	MODEL
CC	PERFORMANCE IN LIGHTING	PILO71405/310486	3160 lm	4 W	790 lm/W	277 V	CONCRETE WALL FIXTURE / CONCRETE POUR	LUMENOLUSE LIGHTING INC.	LBIL-WO-120/277-40K-NS-CL-NO-FLH-SSB-RBO	CC		CC	
CL	METALUX	4VT2-LD5-4-DR-W-UNV-L840-CD1-WL-U	3963 lm	30 W	132 lm/W	277 V	SURFACE MOUNT VAPORTITE LED FIXTURE	INDUSTRIAL LIGHTING PRODUCTS	WTZ-28W-UNIV-40	DAY-BRITE	DWAE-43L-840-4-WHP	COLUMBIA	LXEM-4-40-LW-RFA-EDU
ESL	McGraw-Edison	GLEON-AF-01-LED-480-SL2-HSS-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	5281 lm	400 W	13 lm/W	480 V	20FT LIGHTPOLE WITH (1) LED HEAD, 4000K,80CRI,TYPE 2 SPREAD WITH SPILL CONTROL	ACUITY BRANDS	DSX1-LED-P1-30K-T2M-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-530-WW-G2-AR-2-480-BL-IMR13-HIS-FINISH	BEACON	VPS-22L-55-3K-7-2-480-AD-XX-7PR-TL-SCP-HSS
FL	LIGMAN LIGHTING	UKI-60781-30W-M-W40-120/277V	3160 lm	30 W	105 lm/W	277 V	INGROUND UP LIGHT FOR FLAG LIGHTING	LUMENOLUSE LIGHTING INC.	LBIL-WO-120/277-40K-NS-CL-NO-FLH-SSB-RBO	FC LIGHTING	FCD803R-UNV-3K-3000-CR184-SS-FL-LD	KIM	LTW82FF-XX-3-6L-4K-UV
S1	McGraw-Edison	GLEON-AF-01-LED-480-SL2-HSS-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	5281 lm	59 W	90 lm/W	480 V	20FT LIGHTPOLE WITH (1) LED HEAD, 4000K,80CRI,TYPE 2 SPREAD WITH SPILL CONTROL	ACUITY BRANDS	DSX1-LED-P1-30K-T2M-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-530-WW-G2-AR-2-480-BL-IMR13-HIS-FINISH	BEACON	VPS-22L-55-3K-7-2-480-AD-XX-7PR-TL-SCP-HSS
S2	McGraw-Edison	GLEON-AF-02-LED-480-SL4-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	11572 lm	126 W	92 lm/W	480 V	20FT LIGHTPOLE WITH (1) LED HEAD, 4000K,80CRI,TYPE 4 SPREAD WITH SPILL CONTROL	ACUITY BRANDS	DSX1-LED-P3-30K-T4-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-1.2AWW-G2-AR-4-480-BL-IMR13-HIS-FINISH	BEACON	VPS-48L-110-3-K7-4-480-AD-XX-7PR-TL-SCP-HSS
S3	McGraw-Edison	GLEON-AF-02-LED-480-SWQ-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	12828 lm	126 W	102 lm/W	480 V	20FT LIGHTPOLE WITH (1) LED HEAD, 4000K,80CRI,TYPE 5 SQUARE WIDE SPREAD	ACUITY BRANDS	DSX1-LED-P4-30K-T5W-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-1.2AWW-G2-AR-5W-480-BL-IMR13-HIS-FINISH	BEACON	VPS-48L-110-3-K7-5QM-480-AD-XX-7PR-TL-SCP-HSS
S4	McGraw-Edison	GLEON-AF-02-LED-480-SWQ-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	12828 lm	59 W	217 lm/W	480 V	20FT LIGHTPOLE WITH (1) LED HEAD, 4000K,80CRI,TYPE 5 SQUARE WIDE SPREAD	ACUITY BRANDS	DSX1-LED-P1-30K-T5W-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-1.2AWW-G2-AR-5W-480-BL-IMR13-HIS-FINISH	BEACON	VPS-48L-110-3-K7-5QM-480-AD-XX-7PR-TL-SCP-HSS
S5	McGraw-Edison	GLEON-AF-02-LED-480-SWQ-8030-800-R-MS/DIM-L20-MA1252-GL-EON-QM	12828 lm	126 W	102 lm/W	480 V	20FT LIGHTPOLE WITH (2) LED HEAD, 4000K,80CRI,TYPE 5 SQUARE WIDE SPREAD	ACUITY BRANDS	DSX1-LED-P4-30K-T5W-480-X-PER-PIRH-HS	GARDCO	ECF-S-32L-1.2AWW-G2-AR-5W-480-BL-IMR13-HIS-FINISH	BEACON	VPS-48L-110-3-K7-5QM-480-AD-XX-7PR-TL-SCP-HSS
S6	ABOVE ALL	FB-24-40-1-V	1188 lm	28 W	42 lm/W	277 V	LIGHTED BOLLARD 39" HIGH	NLS LIGHTING LLC	RDN-2-6R-T5-16L-35-40K-UNV-AB-BLK	FC LIGHTING	FCB740-UNV-24"-LED-4K-2000-BK-LD	ARCLUCE	S-KL0204US-1-2S
S7	IO LIGHTING LINE 1.5	0-10-E-4KH0-45-100-2-17-2-2	5219 lm	65 W	81 lm/W	277 V	BUILDING SIGN LIGHT 3.81W/FT 307LM/FT 4000K 80 CRI 45°LIGHT DISTRIBUTION	WINONA	WLSL209W LLP XX MSL1 200ADJ 30DEG LLP5A 40K 24 200RAA NAA	CALI	ALS50T-R-45D-PC-4.0K-3W_-HO-WET-277-17"	ELLIPTIPAR	
WP1	LIGMAN LIGHTING	UVK-30002-30W-T4-XX-120/277-DIM-MOD-2 DRIVERS	4212 lm	34 W	124 lm/W	277 V	EXTERIOR LED WALL PACK 4000K,80CRI,TYPE 4 FORWARD THROW SPREAD WITH DUAL DRIVER	ACUITY BRANDS	DSXW1-LED-20C-530-30K-TFTM-277	GARDCO	121-16L-1000-WW-G3-4-UNV-FINISH	HUBBELL	LCN2-18L-3K-0-70-3
WP2	LIGMAN LIGHTING	UVK-30002-30W-T4-XX-120/277-DIM-MOD-2 DRIVERS	4189 lm	34 W	123 lm/W	277 V	EXTERIOR LED WALL PACK 4000K,80CRI,TYPE 3 SPREAD WITH DUAL DRIVER	ACUITY BRANDS	DSXW1-LED-20C-530-30K-T3-277	GARDCO	121-16L-1000-WW-G3-3-UNV-FINISH	HUBBELL	LCN2-18L-3K-0-70-3



\* MOUNTING HEIGHT (MH) SHALL BE THE DISTANCE FROM THE LIGHT CENTER OF THE LUMINAIRE TO THE GROUND.

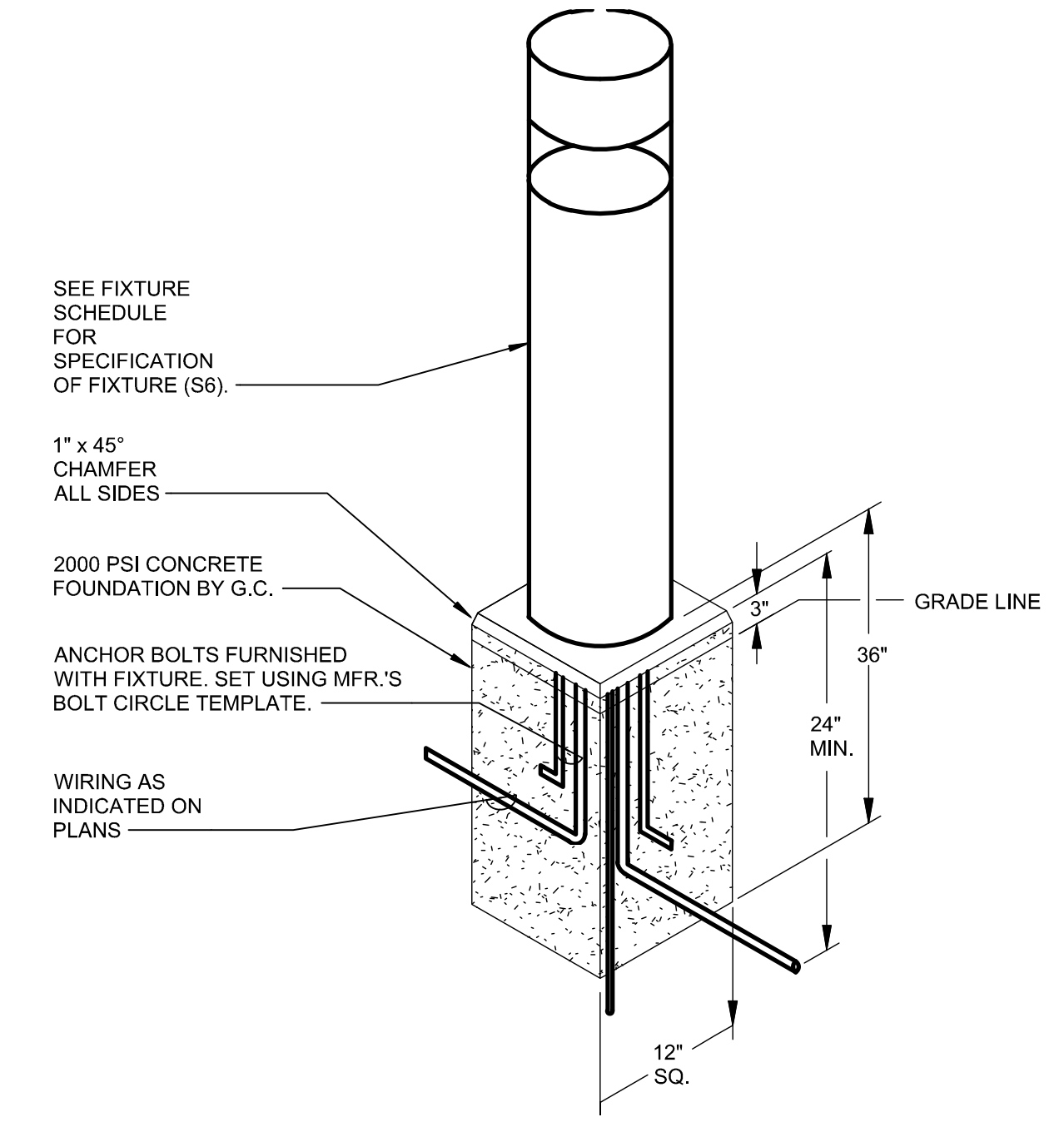
- LIGHTING NOTES:**
- IF DISCREPANCIES EXIST BETWEEN THE LIGHTING SCHEDULE AND LIGHTING PLAN, THE PLAN SHALL DICTATE.
  - SEE LIGHT POLE BASE DETAIL THIS SHEET.

**1 POLE SITE LIGHT DETAIL**  
NOT TO SCALE

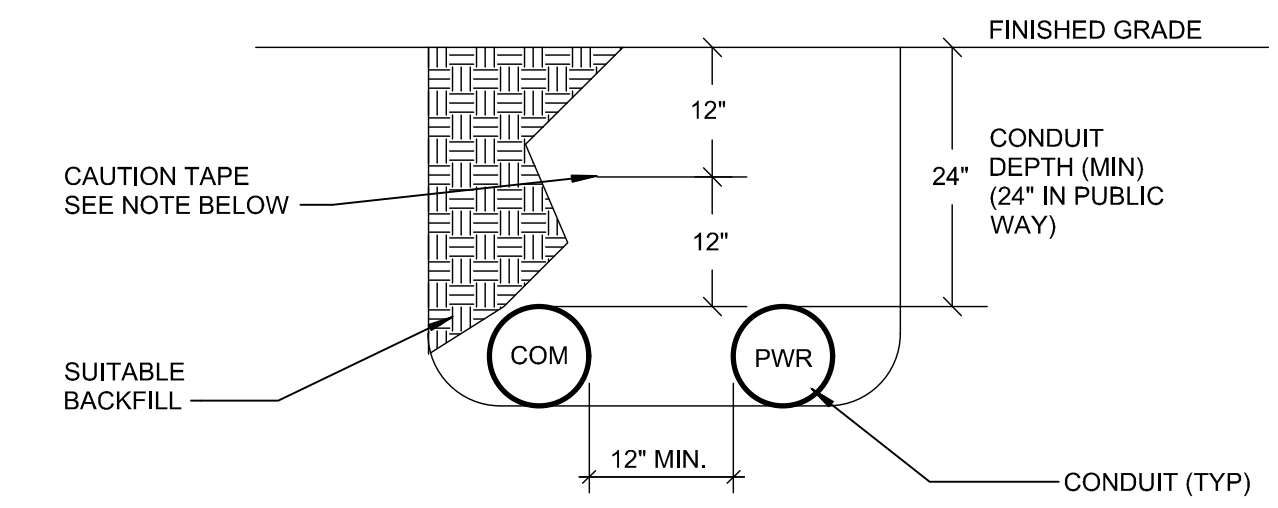


(COORDINATE WITH SECURITY CONTRACTOR FOR THE EXACT LIGHT POLE USED FOR SECURITY CAMERA)

**2 LIGHT POLE AND BASE DETAIL**  
NOT TO SCALE

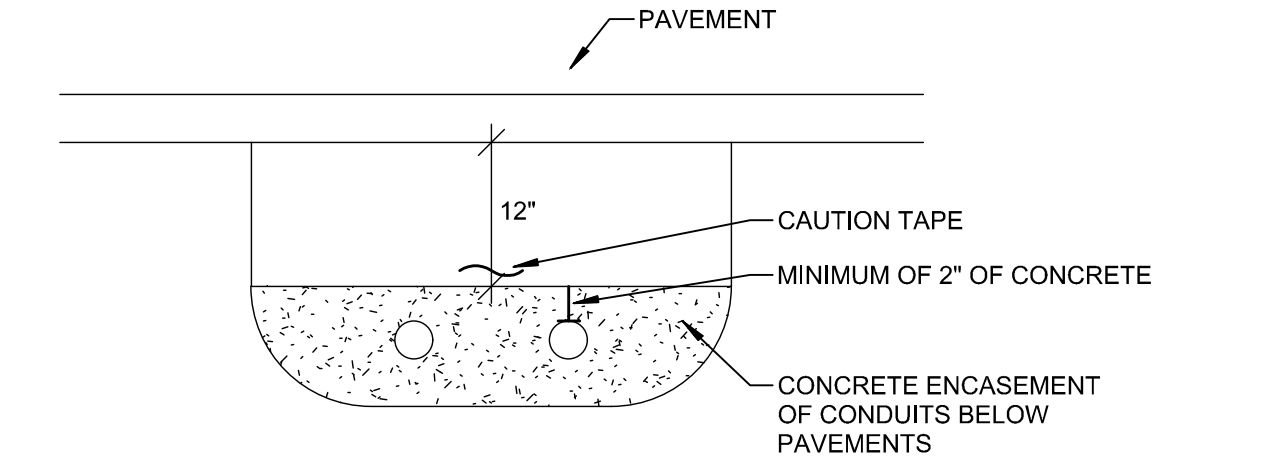


**3 LIGHTED BOLLARD BASE DETAIL**  
NOT TO SCALE



- UNDERGROUND CAUTION TAPE: PERMANENT, BRIGHT -COLORED, CONTINUOUS PRINTED, VINYL TAPE FOR PERMANENT DIRECT-BURIAL SERVICE, AND WITH THE FOLLOWING FEATURES:
- NOT LESS THAN 6 INCHES WIDE BY 4 MILS THICK.
  - EMBEDDED CONTINUOUS METALLIC STRIP OR CORE.
  - PRINTED LEGEND THAT INDICATES TYPE OF UNDERGROUND LINE.

**4 TRENCH DETAIL**  
NOT TO SCALE



**1 TRENCH DETAIL AT PAVED AREAS**  
NTS

**KAESTLE BOOS**  
associates, inc

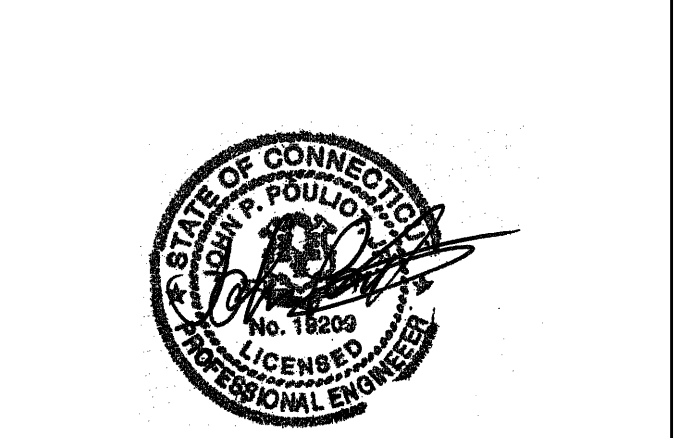
416 Slater Road, P.O. Box 2590, New Britain, CT 06050-2590  
Phone: 860-229-0361 ▲ Fax: 860-229-5303

16 Chestnut Street, Suite 301, Foxborough, MA 02035  
Phone: 508-549-9936 ▲ Fax: 508-549-9907

Email: kba@kba-architects.com ▲ Web: www.kba-architects.com

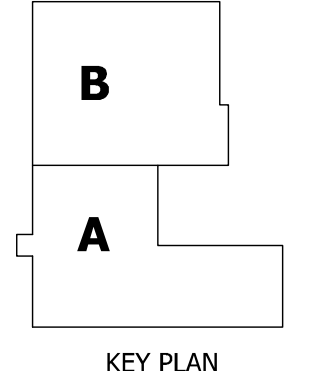
**RZ Design Associates, Inc.**  
MECHANICAL, ELECTRICAL,  
AND STRUCTURAL ENGINEERING

750 OLD MAIN STREET  
SUITE 202  
ROCKY HILL, CT 06067  
P: (860) 436-4336  
F: (860) 436-4450  
www.rzdesignassociates.com

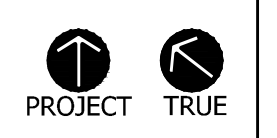


ISSUE DATE	
DATE	DESCRIPTION
APRIL 3, 2019	DRAWINGS ISSUED FOR FOR TOWN OF WINDSOR PLANNING & ZONING COMMISSION & SITE PLAN REVIEW

REVISIONS	
DATE	REFERENCE
MAY 8, 2019	TP&ZC UPDATE
JULY 12, 2019	SITE PLAN APPROVAL/ RECORD SET



KEY PLAN

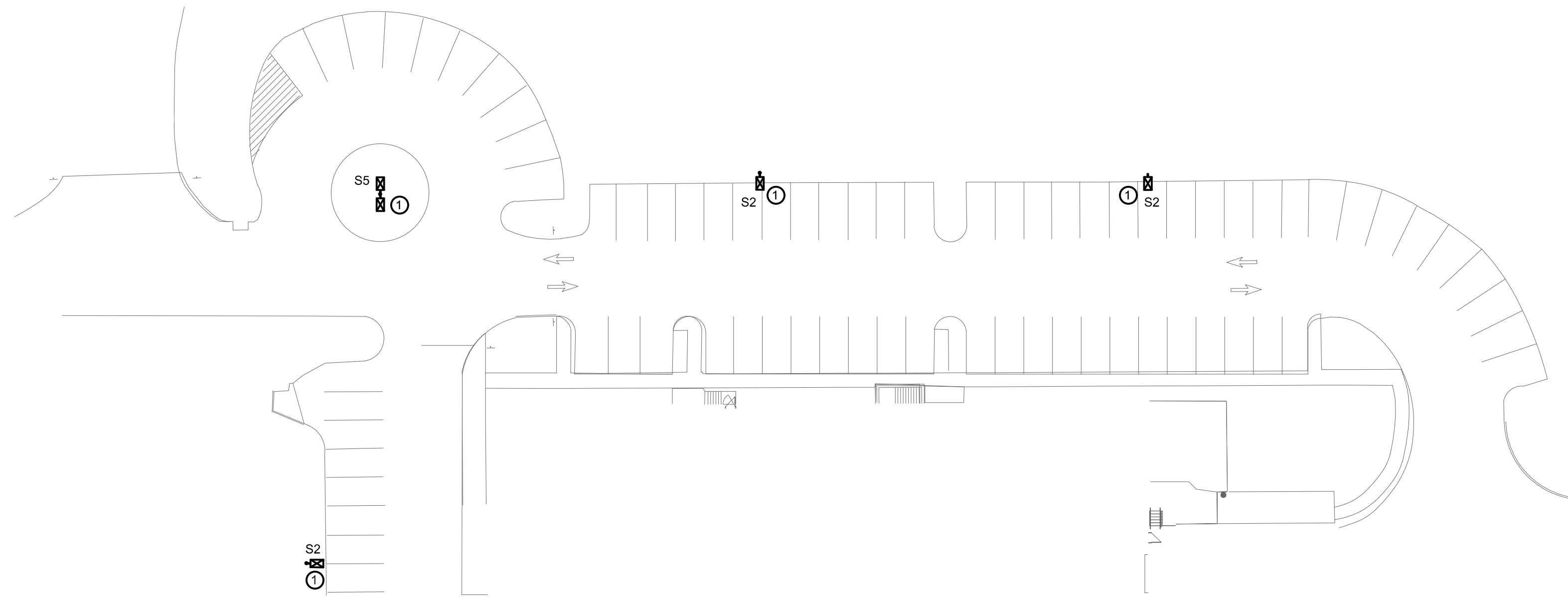
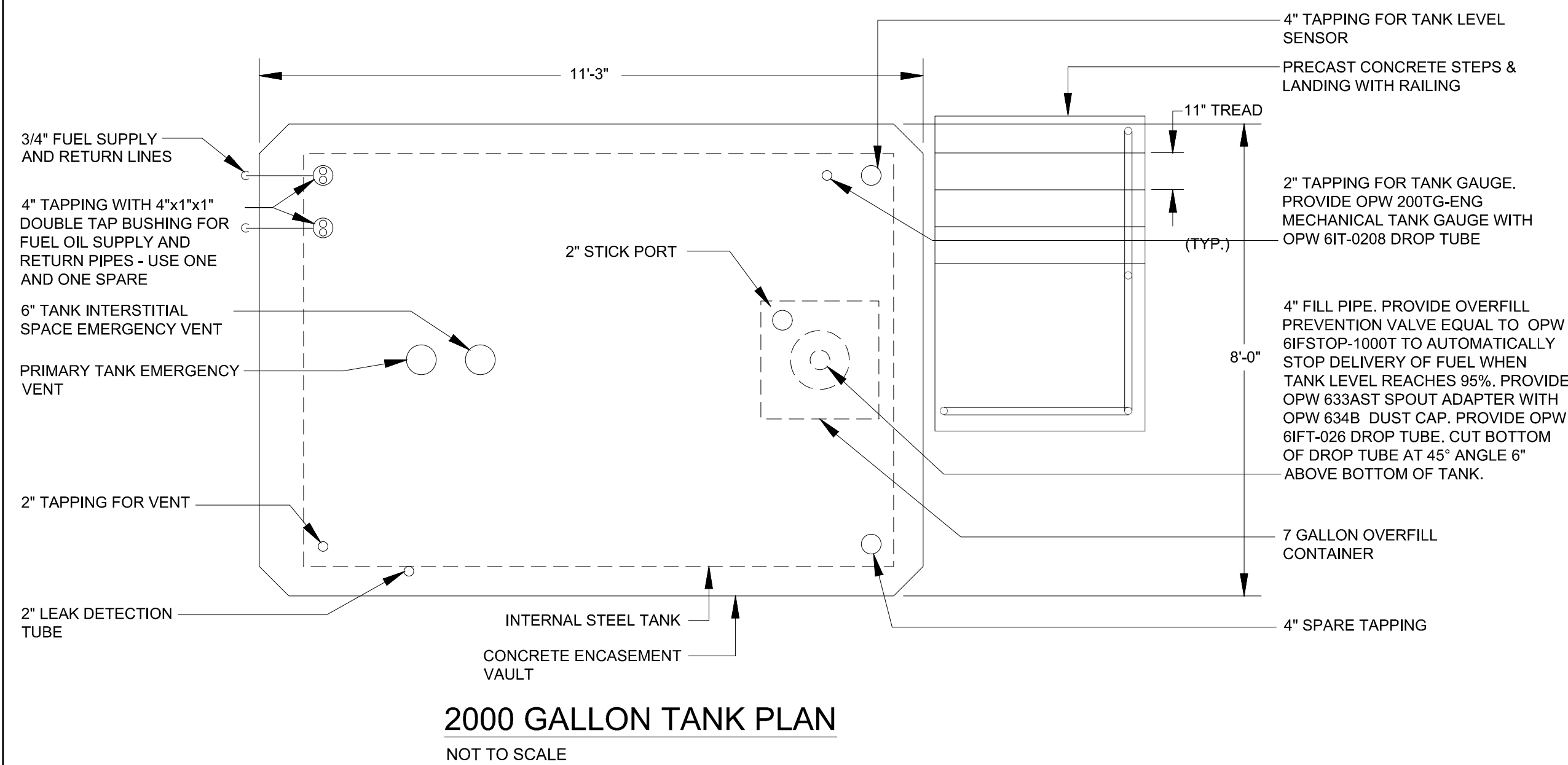
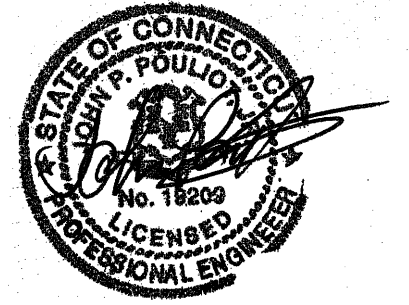


**ADDITIONS & RENOVATIONS**  
**WINDSOR POLICE FACILITY**  
100 ADDISON ROAD  
WINDSOR, CT 06095

PROJECT NO.: 18009.01 DRAWN BY: CEM

**MEP SITE UTILITIES DETAILS**

DRAWING NO.: **SU2.01**



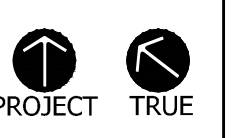
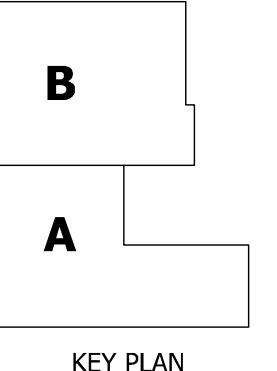
1 ALT #4 PARKING LOT LIGHTING DETAIL  
1" = 30'-0"

**SITE LIGHTING NOTES:**

- 1 EXISTING SITE LIGHTING POLE BASE TO REMAIN. PROVIDE NEW 20FT POLE WITH NEW LUMINAIRE. SEE SITE LIGHTING SCHEDULE. PROVIDE ADAPTER PLATE TO ACCOMMODATE VARIATIONS IN ANCHOR BOLT PATTERN. (ALTERNATE #4 ONLY).

DATE	DESCRIPTION
APRIL 3, 2019	ISSUE DATE DRAWINGS ISSUED FOR FOR TOWN OF WINDSOR PLANNING & ZONING COMMISSION & SITE PLAN REVIEW

DATE	REVISIONS
MAY 8, 2019	REFERENCE TP&ZC UPDATE
JULY 12, 2019	SITE PLAN APPROVAL/ RECORD SET

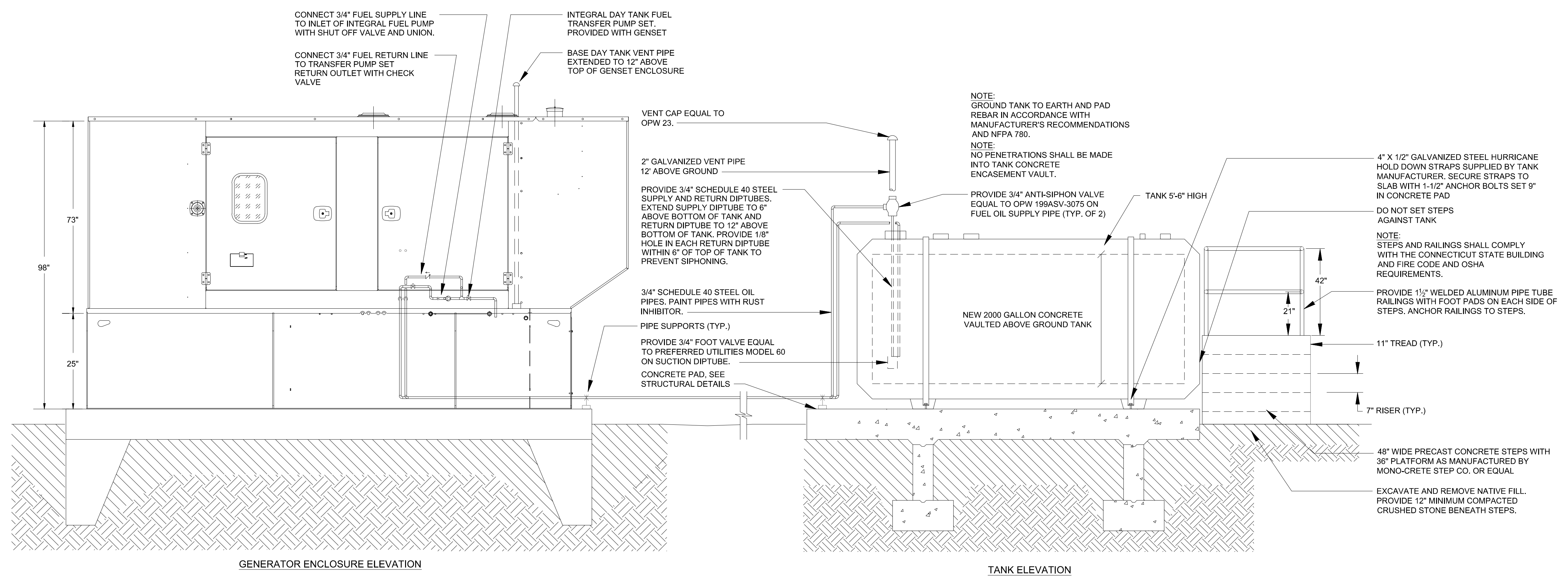


**ADDITIONS & RENOVATIONS**  
**WINDSOR POLICE FACILITY**  
100 ADDISON ROAD  
WINDSOR, CT 06095

PROJECT NO.: 18009.01 DRAWN BY: CEM

**MEP SITE UTILITIES DETAILS**

**SU2.02**



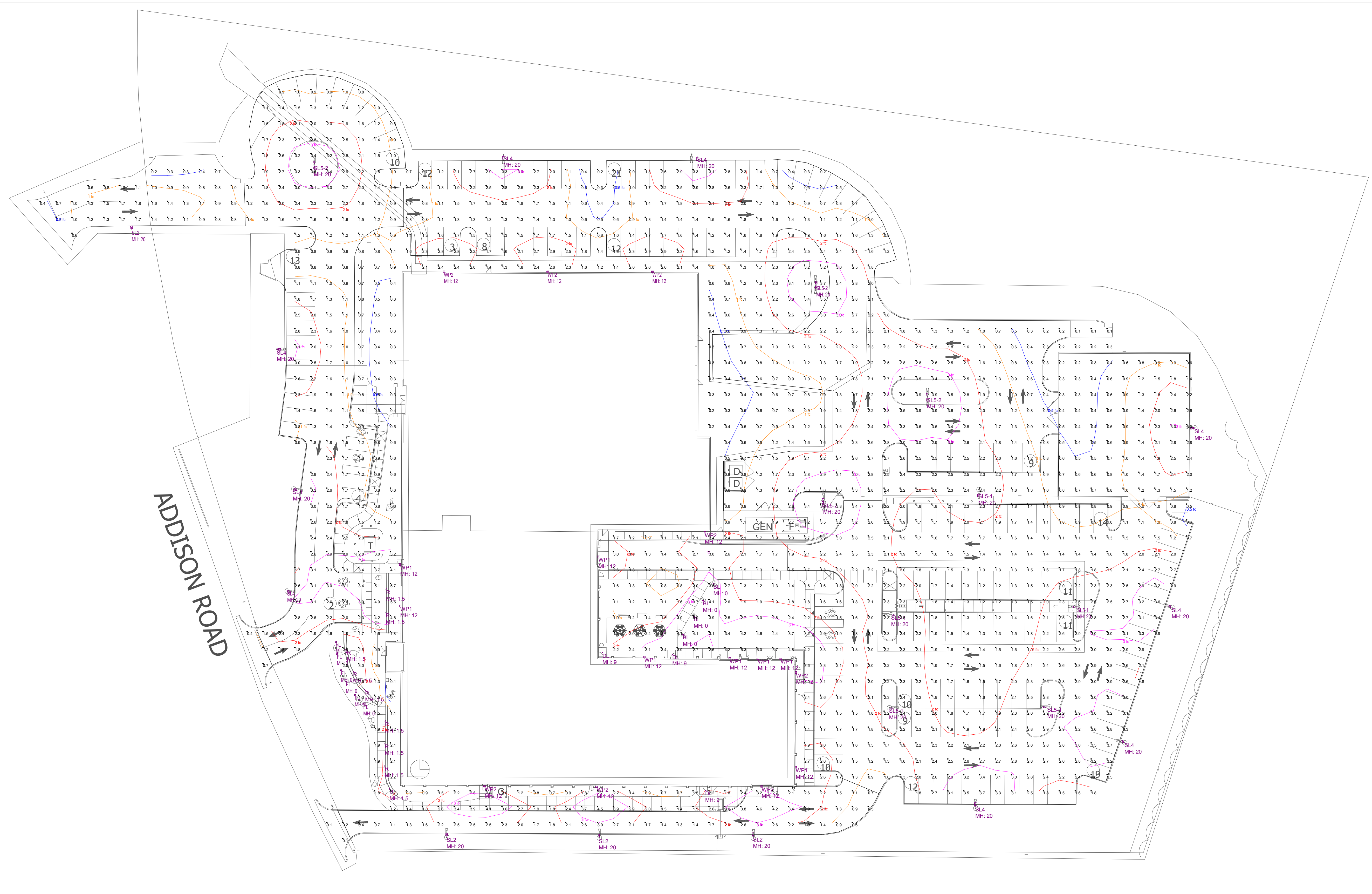
**TANK AND GENERATOR ENCLOSURE ELEVATION AND DETAILS**  
NOT TO SCALE

Windsor Police Phase 2  
Site Lighting Calculation  
Windsor, CT

"DISCLAIMER"  
CALCULATIONS SHOULD  
BE USED AS A DESIGN GUIDE ONLY.  
LIGHT LEVELS ARE SUBJECT TO  
CONDITIONS IN THE FIELD.

REVISIONS

Date/Note:  
3/26/19 - Layout revision  
3/27/19 - Alt  
5/23/19 - Added low wall & lights  
7/15/19 - Layout revision



Luminaire Schedule						
Qty	Symbol	Label	Tag	Description	Lum. Watts	Lum. Lumens
4		BL	Ligman	ULH-10655-27w-W40-xx-120/277v-xx	27.5	1188
4		SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	59	5281
9		SL4	McGraw-Edison	GLEON-AF-02-LED-E1-SL4	113	11572
5		SL5-1	McGraw-Edison	GLEON-AF-02-LED-E1-SWQ	113	12828
4		SL5-2	McGraw-Edison	GLEON-AF-02-LED-E1-SWQ	113	12828
8		WP1	McGraw-Edison	GWC-AF-01-LED-E1-T4FT-600	34	4214
8		WP2	McGraw-Edison	GWC-AF-01-LED-E1-T3-600	34	4189
3		DL	Halo	RL560WH6840	9	700
6		FL	Ligman	UK1-60781-30w-N-W40-120/277v-	31.4	2598
9		R	PIL	071413	11	553
						0.900
						B1-U3-G1
						0.900
						B1-U0-G2
						0.900
						B1-U0-G3
						0.900
						B4-U0-G2
						0.900
						B4-U0-G2
						0.900
						B1-U0-G1
						0.900
						B1-U0-G1
						0.900
						B1-U0-G0
						0.900
						B0-U5-G0
						0.900
						B0-U1-G0

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Site_Site	Fc	1.83	6.0	0.1	18.30	60.00
DPW Parking	Fc	1.78	3.9	0.2	8.90	19.50
Emergency Egress Road	Fc	1.99	4.6	0.4	4.98	11.50
Impound Lot	Fc	1.12	3.0	0.2	5.60	15.00
Police Parking	Fc	2.11	3.8	0.7	3.01	5.43
Visitor Parking	Fc	1.88	3.6	0.8	2.35	4.50

Windsor Police Phase 2  
Site Lighting Calculation  
Windsor, CT

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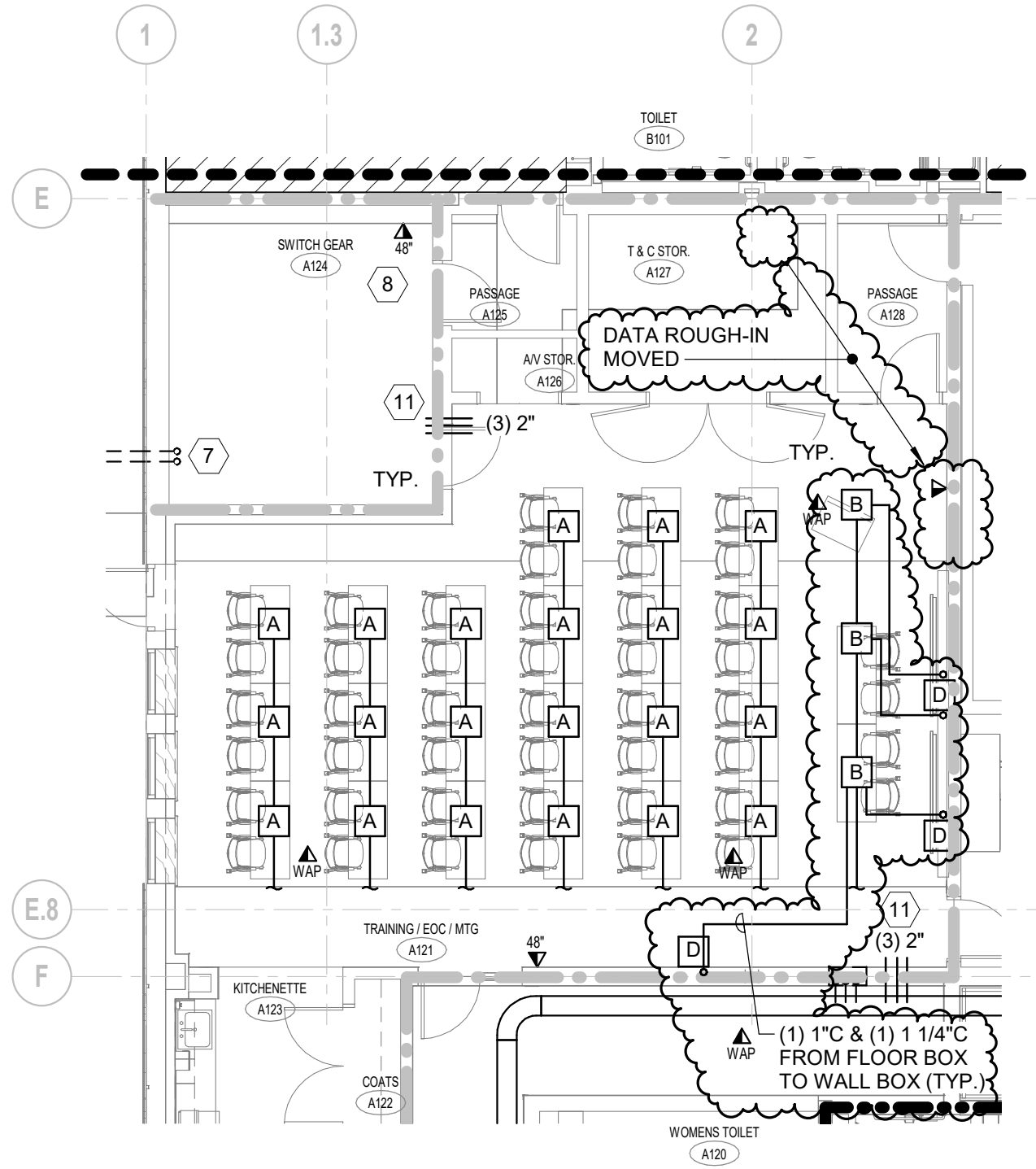
REVISIONS

Date/Note:  
3/26/19 - Layout revision  
3/27/19 - Alt  
5/23/19 - Added low wall & lights  
7/15/19 - Layout revision

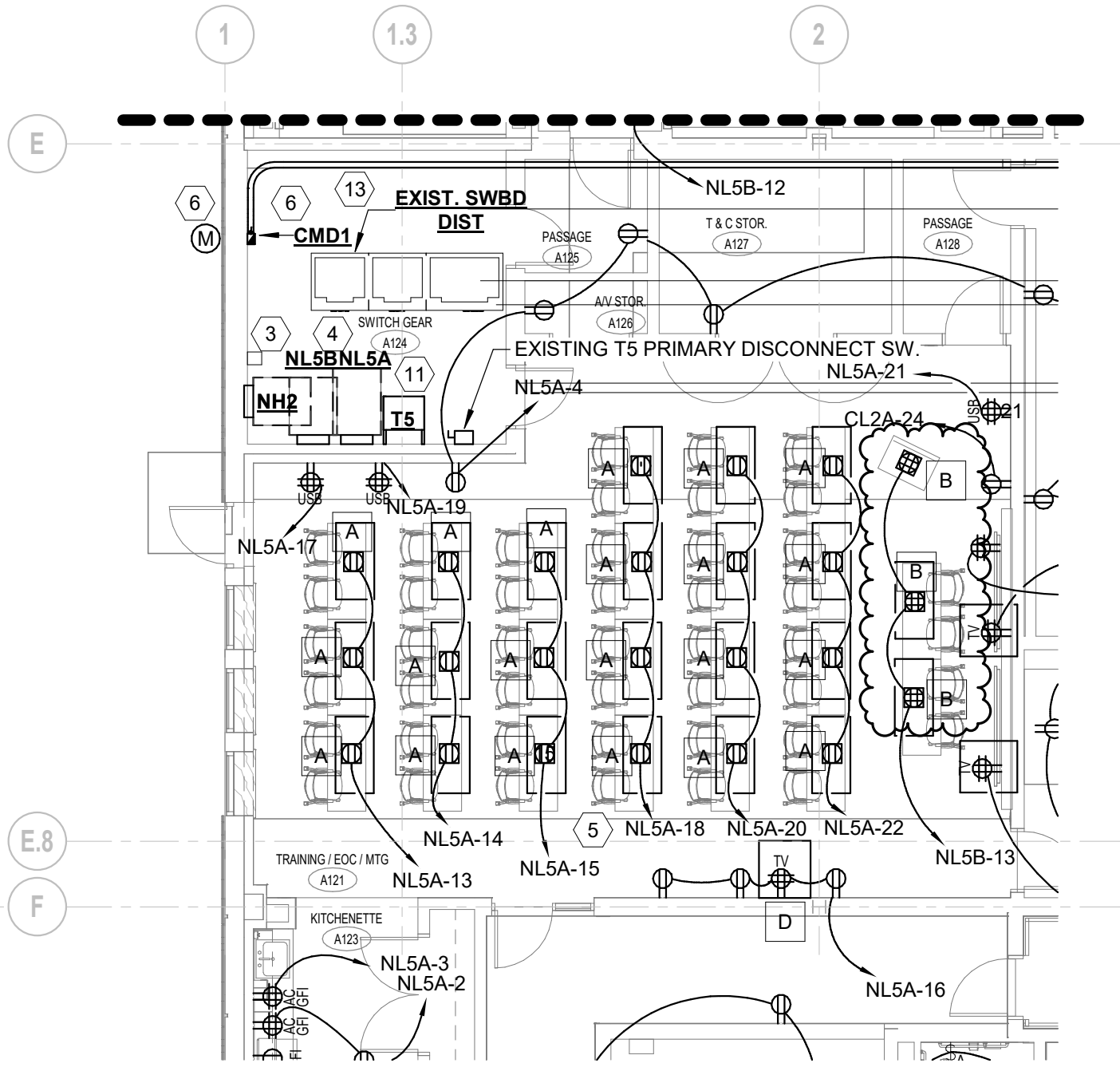


Luminaire Schedule								
Qty	Symbol	Label	Tag	Description	Lum. Watts	Lum. Lumens	LLF	BUG Rating
4	⊙	BL	Ligman	ULH-10655-27w-W40-xx-120/277v-xx	27.5	1188	0.900	B1-U3-G1
4	⊖	CL	Metalux	4VT2-LD5-4-DR-W-UNV-L840-CD1-WL-U	29.9	3963	0.900	B2-U3-G2
4	⊕	SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	59	5281	0.900	B1-U0-G2
9	⊕	SL4	McGraw-Edison	GLEON-AF-02-LED-E1-SL4	113	11572	0.900	B1-U0-G3
4	⊕	SL5-1	McGraw-Edison	GLEON-AF-02-LED-E1-SWQ	113	12828	0.900	B4-U0-G2
4	⊕	SL5-2	McGraw-Edison	GLEON-AF-02-LED-E1-SWQ	113	12828	0.900	B4-U0-G2
8	⊕	WP1	McGraw-Edison	GWC-AF-01-LED-E1-T4FT-600	34	4214	0.900	B1-U0-G1
8	⊕	WP2	McGraw-Edison	GWC-AF-01-LED-E1-T3-600	34	4189	0.900	B1-U0-G1
3	○	DL	Halo	RL560WH6840	9	700	0.900	B1-U0-G0
6	○	FL	Ligman	UKI-60781-30w-N-W40-120/277v-	31.4	2598	0.900	B0-U5-G0
9	⊥	R	PIL	071413	11	553	0.900	B0-U1-G0

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Site Site	Fc	1.83	6.0	0.1	18.30	60.00
DPW Parking	Fc	1.78	3.9	0.2	8.90	19.50
Emergency Egress Road	Fc	2.00	4.6	0.4	5.00	11.50
Impound Lot	Fc	1.11	3.0	0.2	5.55	15.00
Police Parking	Fc	2.12	4.0	0.6	3.53	6.67
Visitor Parking	Fc	1.88	3.6	0.8	2.35	4.50



**1 COMMUNICATIONS PART PLAN**  
1/8" = 1'-0"



**2 POWER PART PLAN**  
1/8" = 1'-0"

<b>KAESTLE BOOS</b> associates, inc 416 Slater Road, P.O. Box 2590 New Britain, CT 06050-2590 Ph: 860-229-0361 F: 860-229-5303 16 Chestnut Street, Suite 301 Foxborough, MA 02035 Ph: 508-549-9906 F: 508-549-9907 Email: kba@kba-architects.com Web: www.kba-architects.com	CONSULTANT:  <b>RZ Design Associates, Inc.</b> MECHANICAL, ELECTRICAL, AND STRUCTURAL ENGINEERING 750 OLD MAIN STREET SUITE 202 ROCKY HILL, CT 06067 P: (860) 436-4336 F: (860) 436-4450 www.rzdesignassociates.com	PROJECT: <b>ADDITIONS &amp;          RENOVATIONS          WINDSOR POLICE          FACILITY</b> 110 ADDISON ROAD WINDSOR, CT 06095	THIS SKETCH TO BE READ IN CONJUNCTION WITH THE CONTRACT DOCUMENTS DATE: 10/14/19 SCALE: 1/8" = 1'-0"	SKETCH GENERATED FOR: ADDENDUM R.R.F.I. A.S.I. P.R. C.C.D. 10 REFERENCE DETAIL/SHEET: 6/E4.02 TITLE: <b>REVISED TRAINING/EOC/MTG A121</b> DRAWN BY: GNR PROJECT NO.: 18-214 DRAWING NO.: <b>SKE-1</b>
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