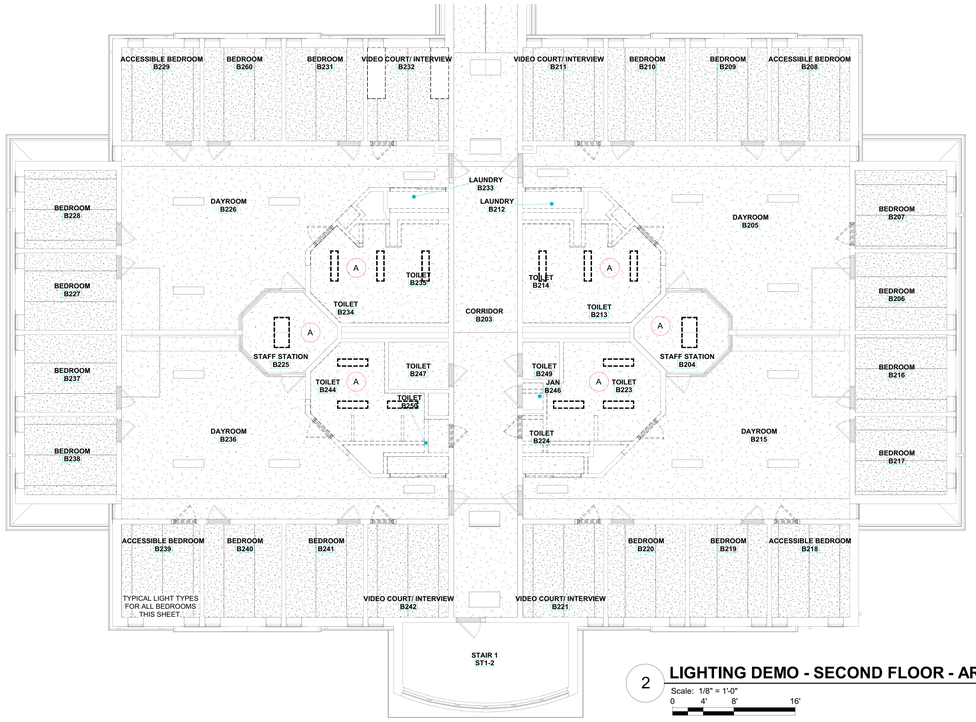
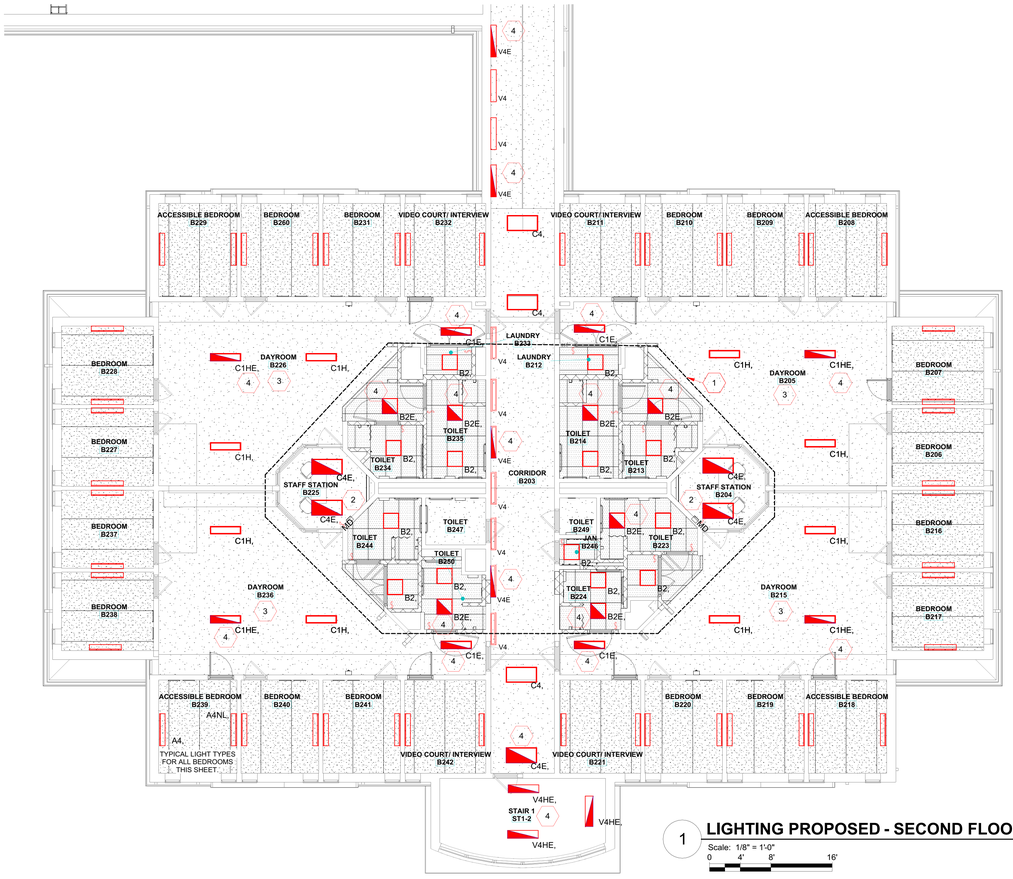


2 **LIGHTING DEMO - SECOND FLOOR - AREA B**

Scale: 1/8" = 1'-0"
0 4' 8' 16'



1 **LIGHTING PROPOSED - SECOND FLOOR - AREA B**

Scale: 1/8" = 1'-0"
0 4' 8' 16'

GENERAL SHEET NOTES

1. LUMINAIRES SHOWN ARE REPLACES ON A ONE-FOR ONE BASIS WITH TYPE SHOWN. CONNECT TO EXISTING BRANCH CIRCUIT WIRING AND CONTROL; UNLESS OTHERWISE NOTED.

DEMOLITION KEYNOTES

A. REMOVE ALL EXISTING LUMINAIRES IN ROOM TO ACCOMMODATE NEW CONSTRUCTION. EXISTING BRANCH CIRCUIT WIRING TO REMAIN FOR CONNECTION TO NEW LIGHTING LAYOUT.

SHEET KEYNOTES

1. MODIFY EXISTING LIGHTING CIRCUIT TO ACCOMMODATE NEW LIGHTING LAYOUT AND SWITCHING.
2. PROVIDE EMERGENCY LIGHTING RELAY W/ LOW VOLTAGE BY PASS AND CONNECT TO 0-10V DIMMING SWITCH AND LED LUMINAIRES. PROVIDE 0-10V DIMMING WIRES FROM DIMMER SWITCH TO LED LUMINAIRES. UTILIZE EXISTING NORMAL AND LIFE SAFETY LIGHTING CIRCUIT FOR POWER TO ALL LED LUMINAIRES IN ROOM. REFER TO DRAWING E-701 FOR MORE INFORMATION. LUMINAIRE SHALL ENERGIZE ON/OFF, DIM WITH ROOM SWITCH WITH NORMAL POWER. UPON LOSS OF POWER LUMINAIRE SHALL ENERGIZE TO FULL BRIGHTNESS REGARDLESS OF SWITCH POSITION.
3. EXISTING LUMINAIRES ARE PENDANT MOUNTED. NEW LUMINAIRES SHALL BE SURFACE MOUNTED TO CEILING IN ROOM. PROVIDE MOUNTING AS RECOMMENDED BY MANUFACTURER.
4. LUMINAIRE SHALL BE WIRED DIRECT TO EXISTING LIFE SAFETY CIRCUIT AND ENERGIZED 24/7.

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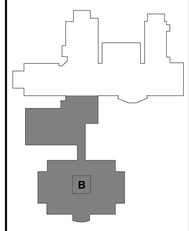

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

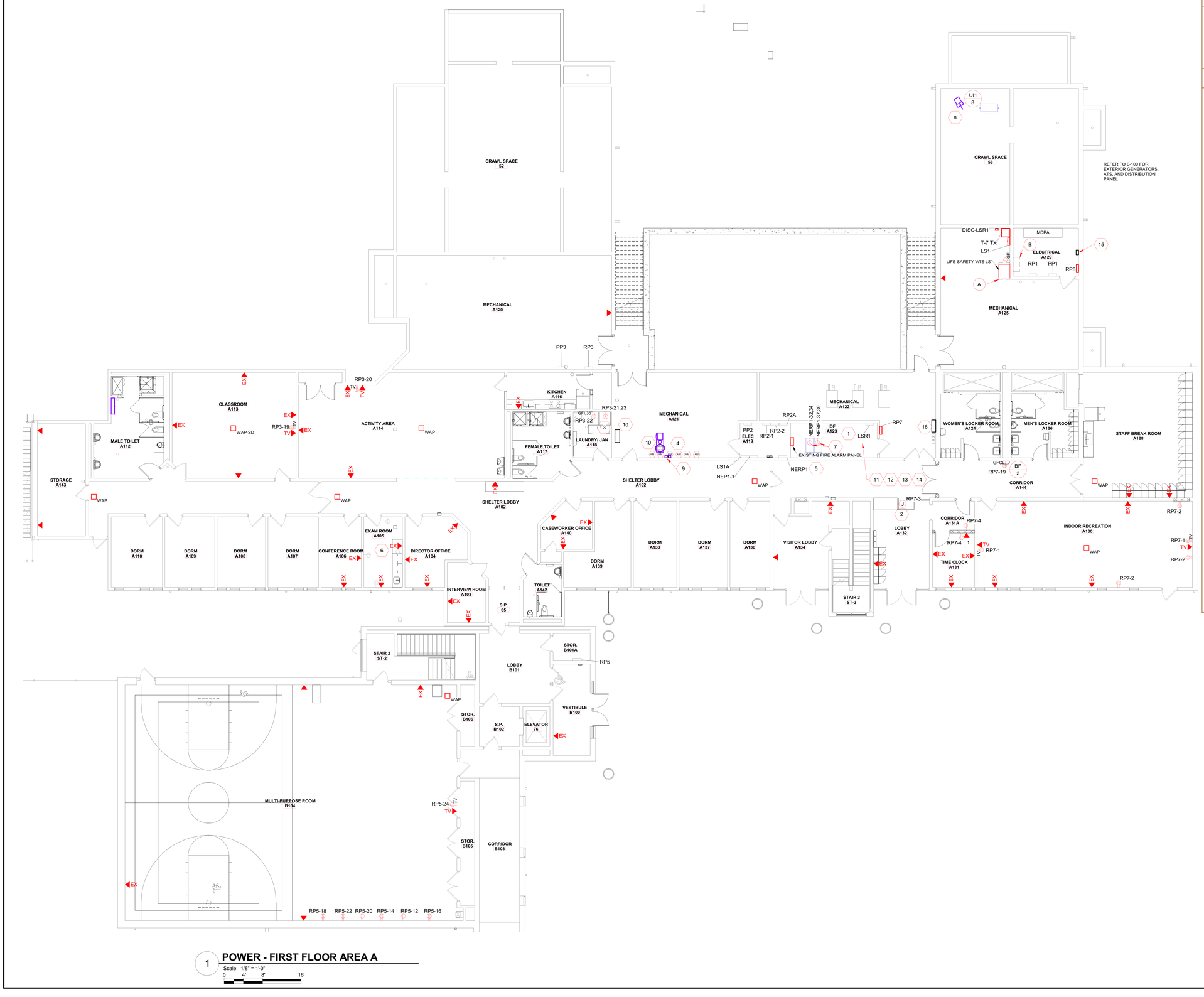
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

LIGHTING - SECOND FLOOR - AREA B

Scale: 1/8" = 1'-0"	USA Project No. R2024.0111.01
Drawing Date 10.05.26	Drawing No. EL-104
Drawn By CJD	Checked By DEM

9/28/2026 10:57:16 AM



1 **POWER - FIRST FLOOR AREA A**

Scale: 1/8" = 1'-0"

0 4' 8' 16'

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

DEMOLITION KEYNOTES

A. REMOVE EXISTING ASCO 7000 AUTOMATIC TRANSFER SWITCH.

B. ABANDONED ATS ENCLOSURE TO BE REMOVED.

SHEET KEYNOTES

1. REMOVE FOUR 1P.20A CIRCUITS 1,3,14, AND 18 FROM LIFE SAFETY PANEL LSR1 AND RELOCATE TO PANEL NERP1. CONNECT WITH 2 #12 & 1 #12 GRD 3/4"CONDUIT. REFER TO ONE-LINE DIAGRAMS AND PANEL SCHEDULES FOR MORE INFORMATION.
2. PROVIDE POWER POLE TO METAL DETECTOR AND CONNECT TO CIRCUIT SHOWN.
3. PROVIDE NEMA14-30R RECEPTACLE FOR DRYER AND MOUNT AT 30" A.F.F. PROVIDE 2P-30A GFCI BREAKER IN PANELBOARD SHOWN.
4. PROVIDE SIX ADDRESSABLE INTERFACE MODULES TO MONITOR THE NEW TAMPER SWITCHES FOR THE FIRE PROTECTION SYSTEM. CONNECT TO EXISTING FIRE ALARM PANEL.
5. PROVIDE NINE 1P.20A BREAKERS IN PANEL NERP1. CIRCUIT TRACE 21 EXISTING 1P.20A CIRCUITS AND PROVIDE AN UPDATED PANEL SCHEDULE. RELOCATE N/E EXTERIOR LIGHTING CIRCUIT TO PANEL LSR1.
6. PROVIDE GFCI PROTECTION FOR ALL EXISTING RECEPTACLES IN THE ROOM/AREA.
7. PROVIDE NEMA L6-20R RECEPTACLE MOUNTED AT 36" FOR 2200WATT RACK MOUNTED UPS. PROVIDE EATON 5PX2200HRTG2 RACK MOUNTED 2200WATT, 1P,208VAC UPS.
8. DISCONNECT EXISTING BRANCH CIRCUIT ON UNIT HEATER SCHEDULED FOR REPLACEMENT. RECONNECT EXISTING CIRCUIT TO NEW UNIT HEATER.
9. DISCONNECT EXISTING JOCKEY PUMP SCHEDULED FOR REPLACEMENT. RECONNECT EXISTING BRANCH CIRCUIT TO NEW JOCKEY PUMP.
10. DISCONNECT EXISTING FIRE PUMP SCHEDULED FOR REPLACEMENT. CONNECT NEW FIRE PUMP FEED. REFER TO E-601 FOR MORE INFORMATION.
11. IDF ANALOG EXTENSION: PROVIDE SIX (6) CAT6A WIRES BETWEEN IDF A123 AND IDF B115A DATA ROOM. TERMINATE ON A 24 PORT CAT6A PATCH PANEL. PATCH PANEL WILL BE CAT6A RATED AND MEETING INDUSTRY STANDARDS. TERMINATED AT EACH END, TESTED AND READY FOR USE. THE IDF PATCH PANEL WILL BE LABELED "TO ANALOG LOWER IDF" AND THE PORTS TO BE NUMBERED B-1 THROUGH B-24. THE LOWER IDF PATCH PANEL WILL BE LABELED "TO ANALOG IDF" AND THE PORTS TO BE NUMBERED B-1 THROUGH B-24.
12. IDF ANALOG EXTENSION: PROVIDE SIX (6) CAT6A WIRES BETWEEN IDF A123 AND IDF A237A DATA ROOM. TERMINATE ON A 24 PORT CAT6A PATCH PANEL. PATCH PANEL WILL BE CAT6A RATED AND MEETING INDUSTRY STANDARDS. TERMINATED AT EACH END, TESTED AND READY FOR USE. THE IDF PATCH PANEL WILL BE LABELED "TO ANALOG UPPER IDF" AND THE PORTS TO BE NUMBERED A-1 THROUGH A-24. THE LOWER IDF PATCH PANEL WILL BE LABELED "TO ANALOG IDF" AND THE PORTS TO BE NUMBERED A-1 THROUGH A-24.
13. FIBER EXTENSION FROM IDF A123 TO IDF B115A: PROVIDE NEW FIBER FROM IDF A115A ROOM TO THE IDF A123 DATA ROOM. PROVIDE A FIBER PATCH PANEL WITH LC CONNECTORS AT EACH END, RACK MOUNTED, TERMINATED AND TESTED. TEST RESULTS WILL BE TURNED OVER THE COUNTY OF BERKS IT DEPARTMENT AT COMPLETION OF THE PROJECT. THE FIBER TO BE INSTALLED WILL BE FOUR (4) PAIRS OF 850 NM LASER-OPTIMIZED, 50/125 UM, OM4 MULTIMODE FIBER OPTIC CABLE.
14. FIBER EXTENSION FROM IDF A237A TO IDF A123: PROVIDE NEW FIBER FROM IDF A237A TO THE IDF A123 DATA ROOM. PROVIDE A FIBER PATCH PANEL WITH LC CONNECTORS AT EACH END, RACK MOUNTED, TERMINATED AND TESTED. TEST RESULTS WILL BE TURNED OVER THE COUNTY OF BERKS IT DEPARTMENT AT COMPLETION OF THE PROJECT. THE FIBER TO BE INSTALLED WILL BE FOUR (4) PAIRS OF 850 NM LASER-OPTIMIZED, 50/125 UM, OM4 MULTIMODE FIBER OPTIC CABLE.
15. EXISTING ENCLOSED CIRCUIT BREAKER FOR FIRE PUMP CONTROLLER. PROVIDE CONCRETE ENCASEMENT AROUND FIRE PUMP DISCONNECT CONDUITS.
16. EXISTING BAS CONTROL PANEL, PROVIDE CAT6A CONNECTION TO GENERATORS.

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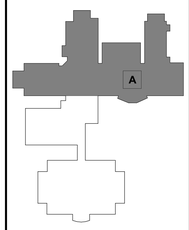

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

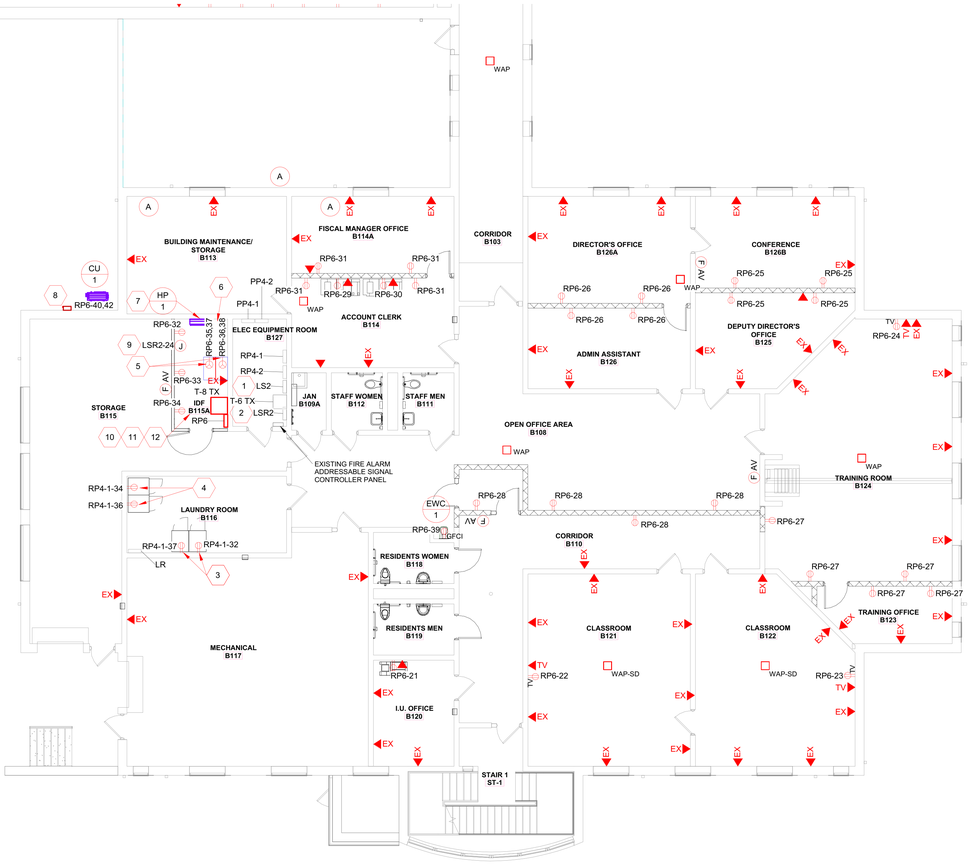
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

POWER - FIRST FLOOR - AREA A

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: EP-101
Drawn By: CJD	Checked By: DEM

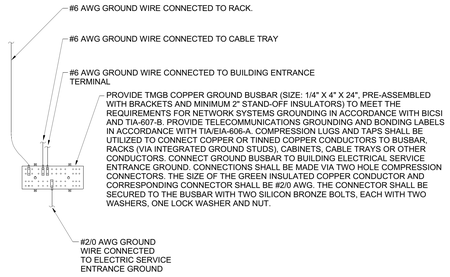
9/28/2026 10:57:18 AM



1 **POWER - FIRST FLOOR - AREA B**

Scale: 1/8" = 1'-0"

0 4' 8' 16'



2 **TELECOMMUNICATIONS GROUNDING BUS BAR DETAIL**

Scale: NONE

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

DEMOLITION KEYNOTES

A. REMOVE BRANCH CIRCUIT WIRE AND CONDUIT FOR ONE OUTDOOR DUCTLESS SPLIT SYSTEM AND TWO INDOOR UNITS SCHEDULE FOR DEMOLITION BACK TO ELECTRICAL ROOM B127. CIRCUIT TRACE EXISTING CIRCUIT FOR VERIFICATION.

SHEET KEYNOTES

1. REMOVE FOUR, 3 POLE CIRCUITS 1,7,8, AND 26 FROM LIFE SAFETY PANEL LS2 AND RELOCATE TO PANEL PP4-2. REMOVE ONE, 3 POLE, 60AMP BREAKER FOR ELEVATOR FROM PANEL LS2 AND RELOCATE TO PANEL 'PP4-1, SPACE 2,4,6. EXTEND W/ 3 #6 & #10GRD., 3/4" CONDUIT. REFER TO ONE-LINE DIAGRAMS AND PANEL SCHEDULES FOR MORE INFORMATION.
2. REMOVE 1P.20A CIRCUITS 11,13,15, 24 FROM LIFE SAFETY PANEL LSR2 AND RELOCATE TO PANEL RP6. CIRCUIT TRACE CIRCUITS 2P.20A CIRCUIT 14/16 & 1P.20A CIRCUIT 17 AND RELOCATED TO PANEL RP6.
3. DISCONNECT EXISTING WASHER SCHEDULED FOR DEMOLITION. REMOVE EXISTING THREE POLE DISCONNECT SWITCH AND CIRCUIT TO RECESSED SINGLE GANG J-BOX IN WALL. PROVIDE NEW 1P.20A RECEPTACLE IN J-BOX. CONNECT TO EXISTING BRANCH CIRCUIT CONDUCTORS, TAPE FOR HOT AND NEUTRAL. LABEL SPARE CONDUCTOR. PROVIDE 1P.20A GFCI CIRCUIT BREAKER IN PANELBOARD AT BREAKER LOCATION. LABEL CONDUCTOR IN PANEL AS SPARE.
4. DISCONNECT EXISTING DRYER SCHEDULED FOR DEMOLITION. REMOVE EXISTING THREE PHASE BRANCH CIRCUIT TO PANEL 'LR'. LABEL BREAKERS AS SPARE. PROVIDE NEW 1P.20A CIRCUIT AND RECEPTACLE AT 36" A.F.F. PROVIDE 1P.20A GFCI CIRCUIT BREAKER IN PANELBOARD AT CIRCUIT SHOWN.
5. PROVIDE NEMA L6-20R RECEPTACLE MOUNTED AT 36" FOR 2200WATT RACK MOUNTED UPS. PROVIDE EATON 5PX2200HRTG2 RACK MOUNTED 2200WATT, 1P,208VAC UPS.
6. PROVIDE TELECOM GROUNDING BUS BAR. REFER TO DETAIL 2 THIS DRAWING FOR MORE INFORMATION.
7. CONNECT INDOOR UNIT HP-1 TO OUTDOOR UNIT CU-1 WITH 4#12 & 1# 12GRD., 3/4"CONDUIT.
8. PROVIDE NEMA-3R, 208V, 2 POLE, HEAVY DUTY, NON-FUSED DISCONNECT SWITCH AND CONNECT TO CU-1.
9. PROVIDE POWER IN ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION IN EQUIPMENT.

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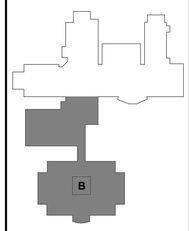

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

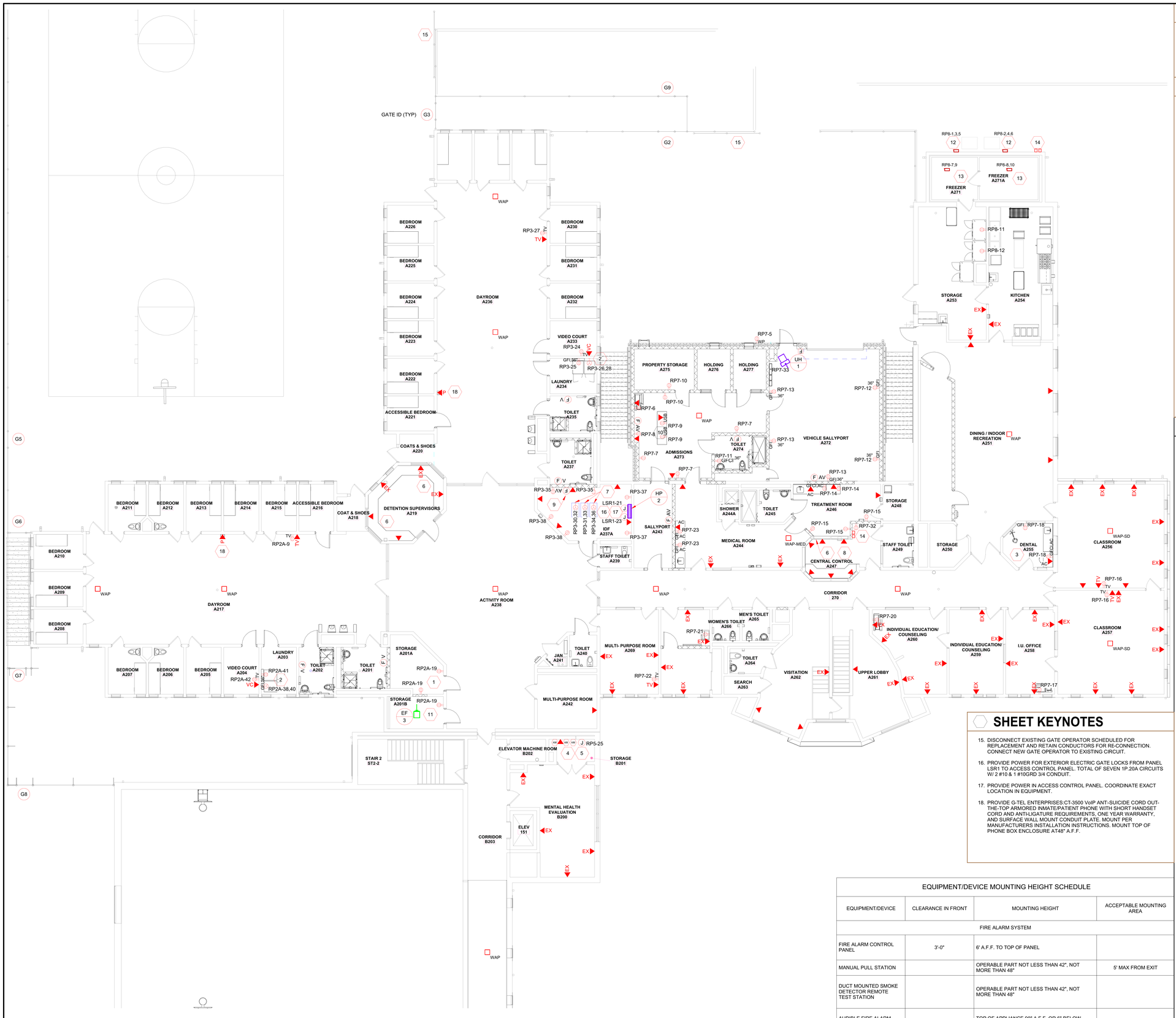
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

POWER - FIRST FLOOR - AREA B

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: EP-102
Drawn By: CJD	Checked By: DEM

9/28/2026 10:57:19 AM



2 **POWER - SECOND FLOOR - AREA A**

Scale: 1/8" = 1'-0"

0 4' 8' 16'

EQUIPMENT/DEVICE MOUNTING HEIGHT SCHEDULE

EQUIPMENT/DEVICE	CLEARANCE IN FRONT	MOUNTING HEIGHT	ACCEPTABLE MOUNTING AREA
FIRE ALARM SYSTEM			
FIRE ALARM CONTROL PANEL	3'-0"	6' A.F.F. TO TOP OF PANEL	
MANUAL PULL STATION		OPERABLE PART NOT LESS THAN 42", NOT MORE THAN 48"	5' MAX FROM EXIT
DUCT MOUNTED SMOKE DETECTOR REMOTE TEST STATION		OPERABLE PART NOT LESS THAN 42", NOT MORE THAN 48"	
AUDIBLE FIRE ALARM DEVICE		TOP OF APPLIANCE 90" A.F.F. OR 6" BELOW CEILING	
VISUAL DEVICE		WALL MTD. DEVICES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" A.F.F. WHERE CEILING HEIGHTS DO NOT PERMIT MOUNTING AT A MINIMUM OF 80" VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING.	

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. CONNECT TO BRANCH CIRCUIT REMOVED FROM DEMOLITION.
2. PROVIDE NEMA14-30R RECEPTACLE FOR DRYER AND MOUNT AT 30" A.F.F. PROVIDE 2F-30A GFCI BREAKER IN PANELBOARD SHOWN.
3. PROVIDE GFCI PROTECTION FOR ALL EXISTING RECEPTACLES IN THE ROOM/AREA.
4. PROVIDE THREE ADDRESSABLE INTERFACE MODULES TO MONITOR THE SUPERVISORY, PRESSURE, AND TAMPER SWITCHES FOR THE DRY PIPE FIRE PROTECTION SYSTEM. CONNECT TO EXISTING FIRE ALARM PANEL.
5. PROVIDE POWER AND DISCONNECT SWITCH FOR AIR COMPRESSOR PUMP FOR DRY PIPE SWITCH.
6. REMOVE EXISTING KOHLER GENERATOR ANNUNCIATOR PANEL FROM WALL AND PROVIDE TWO NEW CAT GENERATOR ANNUCIATOR PANELS. PROVIDE NEW MANUFACTURER RECOMMENDED CABLING (BELDEN #9841 FOR COMMUNICATION AND 2 #14 FOR POWER) TO GENERATOR CONTROLLER. ONE SET PER GENERATOR.
7. PROVIDE NEMA L6-20R RECEPTACLE MOUNTED AT 36" FOR 2200WATT RACK MOUNTED UPS. PROVIDE EATON 5PX2200HRTG2 RACK MOUNTED 2200WATT, 1P.208VAC UPS.
8. PROVIDE EATON UPS SMART 1500TSU, 1200WATT, 120VAC, UPS.
9. PROVIDE TELECOM GROUNDING BUS BAR. REFER TO DETAIL 2 ON DRAWING EP-102 FOR MORE INFORMATION.
10. CONNECT INDOOR UNIT HP-2 TO OUTDOOR UNIT CU-2 WITH 4#12 & 1# 12GRD., 3/4"CONDUIT VIA NEMA-1, HEAVY-DUTY, 208V, 30A, 3P, NON-FUSED DISCONNECT SWITCH.
11. RE-CONNECT NEW EXHAUST FAN TO EXISTING BRANCH CIRCUIT.
12. PROVIDE NEMA-3R, HEAVY-DUTY, 208V, 30A, 3P, NON-FUSED DISCONNECT SWITCH FOR FREEZER CONDENSING UNIT. CONNECT TO CIRCUIT SHOWN.
13. PROVIDE NEMA-12, HEAVY-DUTY, 208V, 30A, 3P, NON-FUSED DISCONNECT SWITCH FOR FREEZER EVAPORATOR UNIT. CONNECT TO CIRCUIT SHOWN. COORDINATE LOCATION OF DISCONNECT SWITCH WITH MANUFACTURER AND OWNER. PROVIDE 4 #14 IN 3/4" CONDUIT FOR CONTROL BETWEEN EVAPORATOR AND RESPECTIVE CONDENSING UNIT.
14. PROVIDE TWO EMERGENCY STOP PUSHBUTTONS IN NEMA-3R ENCLOSURE W/ COVER ON EXTERIOR. PROVIDE TWO EMERGENCY STOP PUSHBUTTONS IN NEMA-1 ENCLOSURE FOR INTERIOR CENTRAL CONTROL A247. ONE SET FOR EACH GENERATOR. COORDINATE EXACT LOCATION WITH OWNER. CONNECT IN SERIES PER GENERATOR.

FIRE ALARM SYSTEM NOTES

1. EXISTING FIRE ALARM SYSTEM IS NOTIFIER BY HONEYWELL.
2. BERKS COUNTY YDC FIRE ALARM PROVIDER / SERVICE / MAINTAINER IS NRG CONTROLS (570) 374-1933. SUPPLY AND INSTALL NOTIFIER (BY HONEYWELL) BRAND FIRE ALARM EQUIPMENT IN ACCORDANCE WITH THE PROJECT DRAWINGS. ADD TO, MODIFY, AND PROGRAM THE EXISTING NOTIFIER FIRE ALARM CONTROLS AS DIRECTED BY NRG TO SUPPORT THE INSTALLATION.
   NRG CONTACT:
   KERRY HOCKENBROCH
   NRG CONTROLS, LLC
   749 N. SUSQUEHANNA TRAIL
   PO BOX 235
   SELINSGROVE, PA 17870
   KHOCKENBROCH2@NRGNORTH.COM
   OFFICE:570-374-1933
3. SECURE THE SERVICES OF BERKS COUNTY YDC FIRE ALARM SYSTEM SERVICE PROVIDER (NRG CONTROLS) TO PROVIDE, COORDINATE, AND INSTALL DEVICES BASED ON CURRENT NFPA 72 CODE REQUIREMENTS, AND TO INITIALIZE AND START SYSTEM ONCE INSTALLED. SYSTEM PROVIDER SHALL BE RESPONSIBLE FOR FINAL SYSTEM DESIGN & OPERATION, PROGRAMMING FIRE ALARM CONTROL PANEL AND ASSOCIATED ANNUNCIATOR PANELS, TO INCLUDE NEW FIRE ALARM SYSTEM DEVICES PROVIDED AS PART OF THIS PROJECT. ALL DEVICES SHALL BE ADDRESSABLE AND EASILY IDENTIFIED AT EACH PANEL IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION. ALL SOFTWARE UPGRADES SHALL BE INCLUDED WITH THE WORK OF THIS PROJECT TO ACCOMMODATE THE INSTALLATION OF NEW DEVICES.
4. ALL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. DEVICES SHALL BE INSTALLED IN ALL AREAS REQUIRED BY THE APPROPRIATE NFPA 72 STANDARD, ALL APPLICABLE CODES, AND THE LOCAL AUTHORITY HAVING JURISDICTION.
6. ALL FIRE ALARM PRODUCTS SHALL BE LISTED AND CLASSIFIED BY U.L., FM OR TESTING FIRM ACCEPTABLE TO AUTHORITY HAVING JURISDICTION AS SUITABLE FOR PURPOSE SPECIFIED AND INDICATED FOR FIRE ALARM SYSTEM APPLICATIONS FOR WHICH THEY ARE USED. DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.
7. INSTALLATION PERSONNEL SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION, AND TESTING OF FIRE ALARM SYSTEMS.
8. THE BASIC ELEMENTS (INITIATING DEVICES & SIGNALING DEVICES) OF THE FIRE ALARM SYSTEM MUST BE ELECTRICALLY COMPATIBLE AND SHALL BE INTERCONNECTED BY MEANS OF SUITABLE WIRING CIRCUITS TO FORM A COMPLETE FUNCTIONAL SYSTEM.
9. DRAWINGS INDICATE INTENDED LOCATIONS OF NOTIFICATION AND INITIATING DEVICES. CONTRACTOR SHALL RELOCATE DEVICES TO AVOID ANY OBSTRUCTIONS IN ACCORDANCE WITH CODE REQUIREMENTS. COORDINATE WITH OWNER PRIOR TO RELOCATION OF DEVICES.
10. FIRE ALARM WIRING THAT PENETRATES FIRE-RATED WALLS AND FLOORS SHALL BE PROVIDED WITH A U.L. LISTED FIRE-STOP SEALANT WITH A RATING EQUAL TO THE FIRE RATING OF THE WALL OR FLOOR THROUGH WHICH IT PASSES
11. ALL FIRE ALARM SYSTEM PANELS SHALL BE PROPERLY GROUNDED WITH SEPARATE EARTH GROUND.
12. FIRE ALARM SYSTEM SIGNAL PANELS SHALL BE PROVIDED AS NEEDED. THE SIGNAL PANEL SHALL BE CIRCUITED TO ONE 20 AMP, 120 VOLT CIRCUIT WITHIN A LOCAL AREA PANEL.
13. FIRE ALARM SYSTEM DEVICE MOUNTING HEIGHTS SHALL BE IN ACCORDANCE WITH NFPA 72 AND ALL APPLICABLE CODES.
14. ROUTE CABLE FOR ALL DEVICE WIRING WITHIN ACCESSIBLE CEILING CAVITIES. NO CABLE SHALL LIE ON OR ATTACH TO CEILING TILE, DUCTS, PIPES, CONDUITS OR CEILING SUSPENSION WIRES, RODS, OR STRUCTURAL MEMBERS. PROVIDE CONDUIT ROUTED FROM DEVICE TO CEILING CAVITY. PROVIDE PROTECTIVE CONDUIT BUSHING FOR EACH CONDUIT.
16. WIRING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND COLLEGE STANDARD INSTALLATION.
17. IT SHALL BE THE RESPONSIBILITY OF THE APPROVED EQUIPMENT SUPPLIER TO PROVIDE THE REQUIRED MATERIALS AND SUBMITTAL DATA, INCLUDING DRAWINGS, TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THEIR REVIEW AND APPROVAL IF NECESSARY. ANY FEES FOR THE SUBMISSION AND APPROVAL PROCESS SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT FIRE ALARM SYSTEM LAYOUT, CALCULATIONS, AND DESIGN DRAWINGS TO THE DESIGN PROFESSIONAL AND AHJ FOR FIRE ALARM SYSTEM INSTALLATION APPROVAL AT LEAST TWO WEEKS PRIOR TO PROJECT INSTALLATION DATE.
18. ALL FIRE ALARM SYSTEM WIRING SHALL BE TYPE FPLP CABLE OR FIRE ALARM LISTED MC CABLE. FIRE ALARM SYSTEM CABLING SHALL BE ROUTED WITHIN CONDUIT FOR EXPOSED UNFINISHED AREAS. MINIMUM 3/4" CONDUIT. EXISTING RACEWAYS SHALL BE UTILIZED TO THE GREATEST EXTENT POSSIBLE WHERE APPLICABLE.
19. TAMPER/FLOW SWITCHES, ETC. SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM CONTROL PANEL VIA INTERFACE MODULES. COORDINATE FINAL TERMINATIONS WITH EQUIPMENT/DEVICES PROVIDED.

SHEET KEYNOTES

15. DISCONNECT EXISTING GATE OPERATOR SCHEDULED FOR REPLACEMENT AND RETAIN CONDUCTORS FOR RE-CONNECTION. CONNECT NEW GATE OPERATOR TO EXISTING CIRCUIT.
16. PROVIDE POWER FOR EXTERIOR ELECTRIC GATE LOCKS FROM PANEL LSR1 TO ACCESS CONTROL PANEL. TOTAL OF SEVEN 1P.20A CIRCUITS W/ 2 #10 & 1 #10GRD 3/4 CONDUIT.
17. PROVIDE POWER IN ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION IN EQUIPMENT.
18. PROVIDE G-TEL ENTERPRISES CT-3500 VoIP ANT-SUICIDE CORD OUT-THE-TOP ARMORED INMATE/PATIENT PHONE WITH SHORT HANDSET CORD AND ANTI-LIGATURE REQUIREMENTS, ONE YEAR WARRANTY, AND SURFACE WALL MOUNT CONDUIT PLATE. MOUNT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. MOUNT TOP OF PHONE BOX ENCLOSURE AT48" A.F.F.

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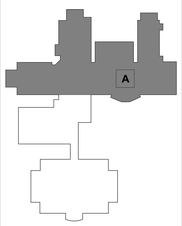

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

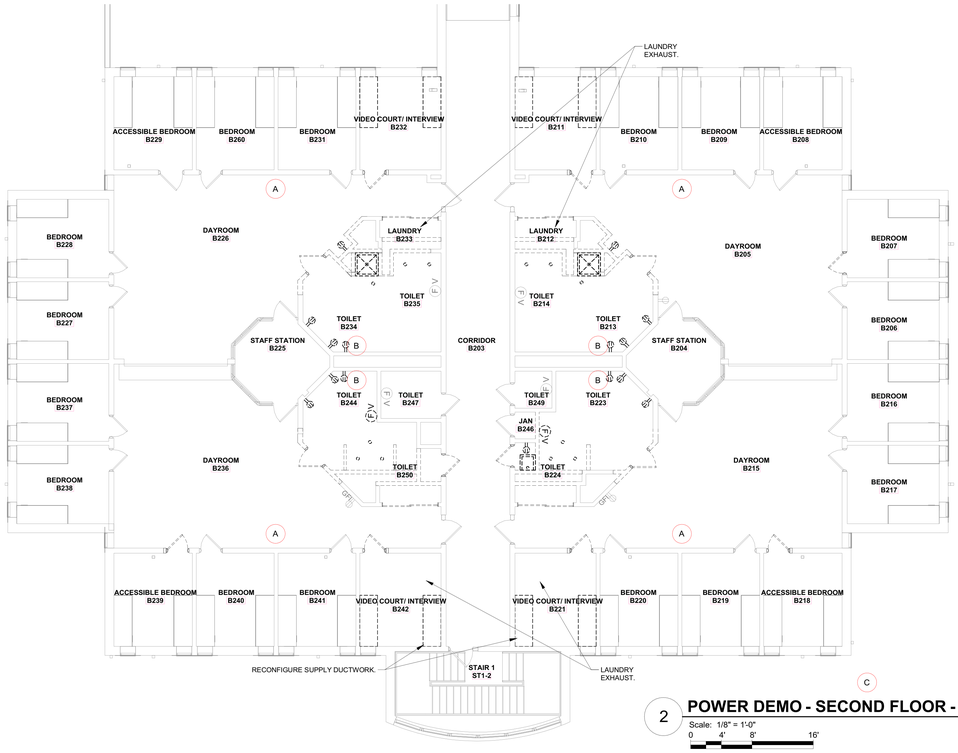
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

POWER - SECOND FLOOR - AREA A

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: EP-103
Drawn By: CJD	Checked By: DEM

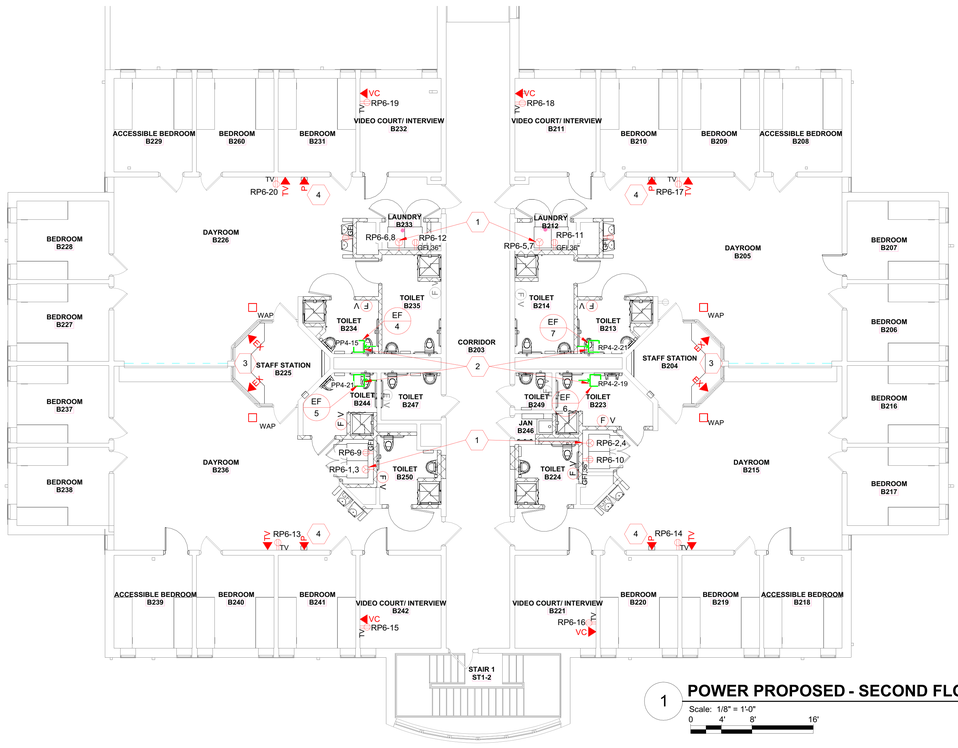
9/28/2026 10:57:23 AM



2 POWER DEMO - SECOND FLOOR - AREA B

Scale: 1/8" = 1'-0"

0 4' 8' 16'



1 POWER PROPOSED - SECOND FLOOR - AREA B

Scale: 1/8" = 1'-0"

0 4' 8' 16'

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

DEMOLITION KEYNOTES

A. REMOVE EXISTING SURFACE MOUNTED RACEWAY, CABLING, AND PHONE BACKBOX FOR FOUR ABANDONED PAY PHONES IN THEIR ENTIRETY.

B. DISCONNECT EXHAUST FAN SCHEDULED FOR REPLACEMENT. RETAIN BRANCH CIRCUIT AND CONTROL WIRING FOR RE-CONNECTION TO NEW EXHAUST FAN.

C. REMOVE ELECTRICAL DEVICES SHOWN DASHED ON POWER DEMO PLAN.

SHEET KEYNOTES

1. PROVIDE NEMA14-30R RECEPTACLE FOR DRYER AND MOUNT AT 30" A.F.F. PROVIDE 2F-30A GFCI BREAKER IN PANELBOARD SHOWN.
2. RE-CONNECT EXHAUST FAN TO RETAINED CIRCUIT FROM DEMOLITION.
3. PROVIDE EATON UPS SMART 1500TSU, 1200WATT, 120VAC, UPS.
4. PROVIDE G-TEL ENTERPRISES:CT-3500 VoIP ANT-SUICIDE CORD OUT-THE-TOP ARMORED INMATE/PATIENT PHONE WITH SHORT HANDSET CORD AND ANTI-LIGATURE REQUIREMENTS, ONE YEAR WARRANTY, AND SURFACE WALL MOUNT CONDUIT PLATE. MOUNT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. MOUNT TOP OF PHONE BOX ENCLOSURE AT48" A.F.F.

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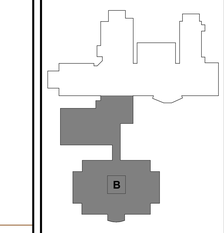

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

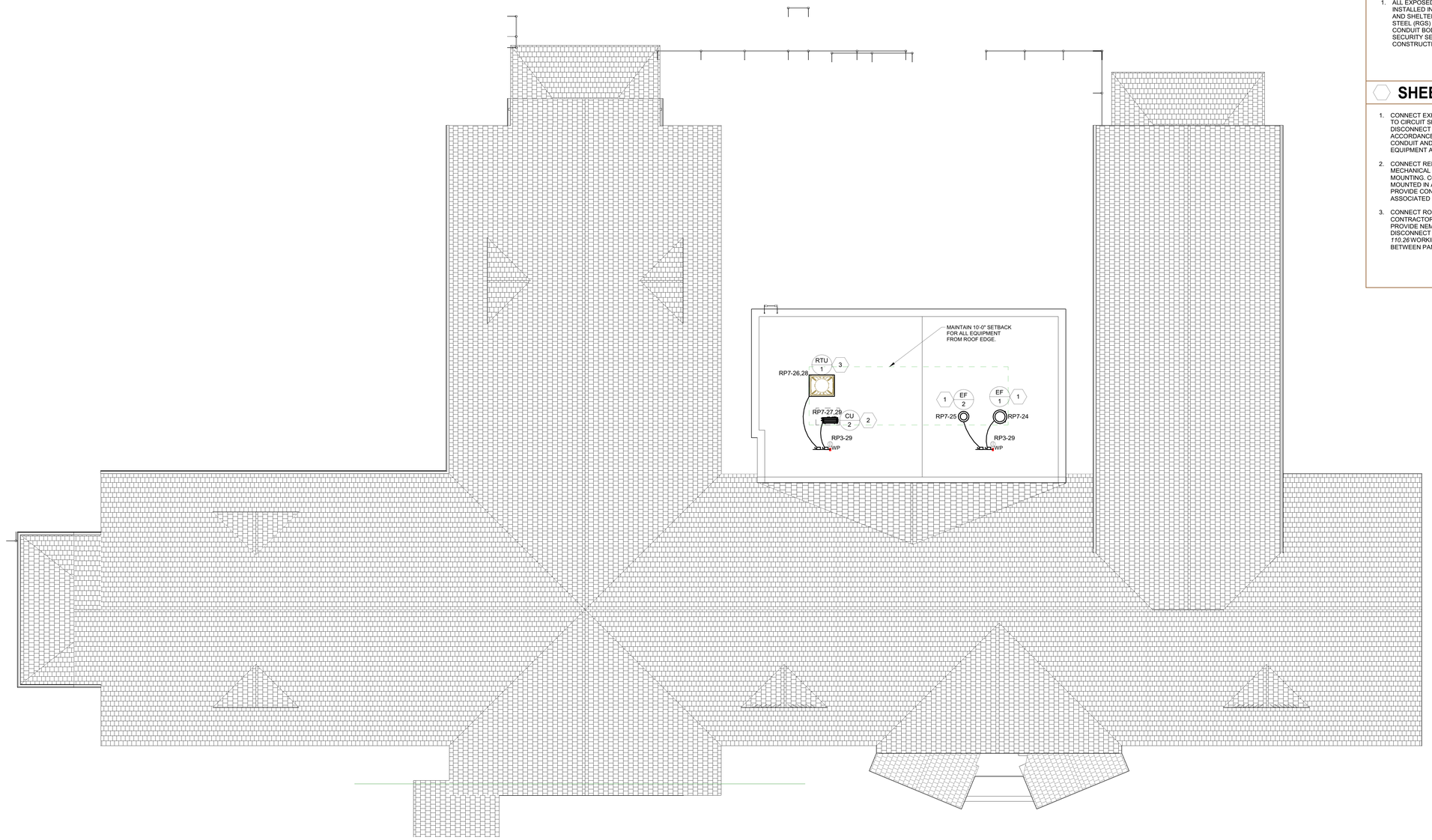
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

POWER - SECOND FLOOR -AREA B

Scale: 1/8" = 1'-0"	USA Project No. R2024.0111.01
Drawing Date: 10.05.26	Drawing No. EP-104
Drawn By: CJD	Checked By: DEM

9/28/2026 10:57:27 AM



1 **POWER PROPOSED - SALLYPORT ADDITION ROOF**

Scale: 1/8" = 1'-0"

0 4' 8' 16'

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. CONNECT EXHAUST FAN, PROVIDED BY MECHANICAL CONTRACTOR, TO CIRCUIT SHOWN. PROVIDE UNISTRUT MOUNTING. CONNECT LOCAL DISCONNECT SUPPLIED WITH EXHAUST FAN, MOUNTED IN ACCORDANCE WITH *NEC 110.26* WORKING CLEARANCES. PROVIDE CONDUIT AND CONDUCTORS BETWEEN PANEL, UNIT AND ASSOCIATED EQUIPMENT AS NEEDED.
2. CONNECT REMOTE CONDENSING UNIT (CU), PROVIDED BY MECHANICAL CONTRACTOR, TO CIRCUIT SHOWN. PROVIDE UNISTRUT MOUNTING. CONNECT LOCAL DISCONNECT SUPPLIED WITH CU, MOUNTED IN ACCORDANCE WITH *NEC 110.26* WORKING CLEARANCES. PROVIDE CONDUIT AND CONDUCTORS BETWEEN PANEL, UNIT AND ASSOCIATED EQUIPMENT AS NEEDED.
3. CONNECT ROOFTOP UNIT (RTU), PROVIDED BY MECHANICAL CONTRACTOR, TO CIRCUIT SHOWN. PROVIDE UNISTRUT MOUNTING. PROVIDE NEMA-3R, HEAVY DUTY, 208V, 3 POLE, 60A, NON-FUSED DISCONNECT SWITCH FOR RTU, MOUNTED IN ACCORDANCE WITH *NEC 110.26* WORKING CLEARANCES. PROVIDE CONDUIT AND CONDUCTORS BETWEEN PANEL, UNIT AND ASSOCIATED EQUIPMENT AS NEEDED.

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

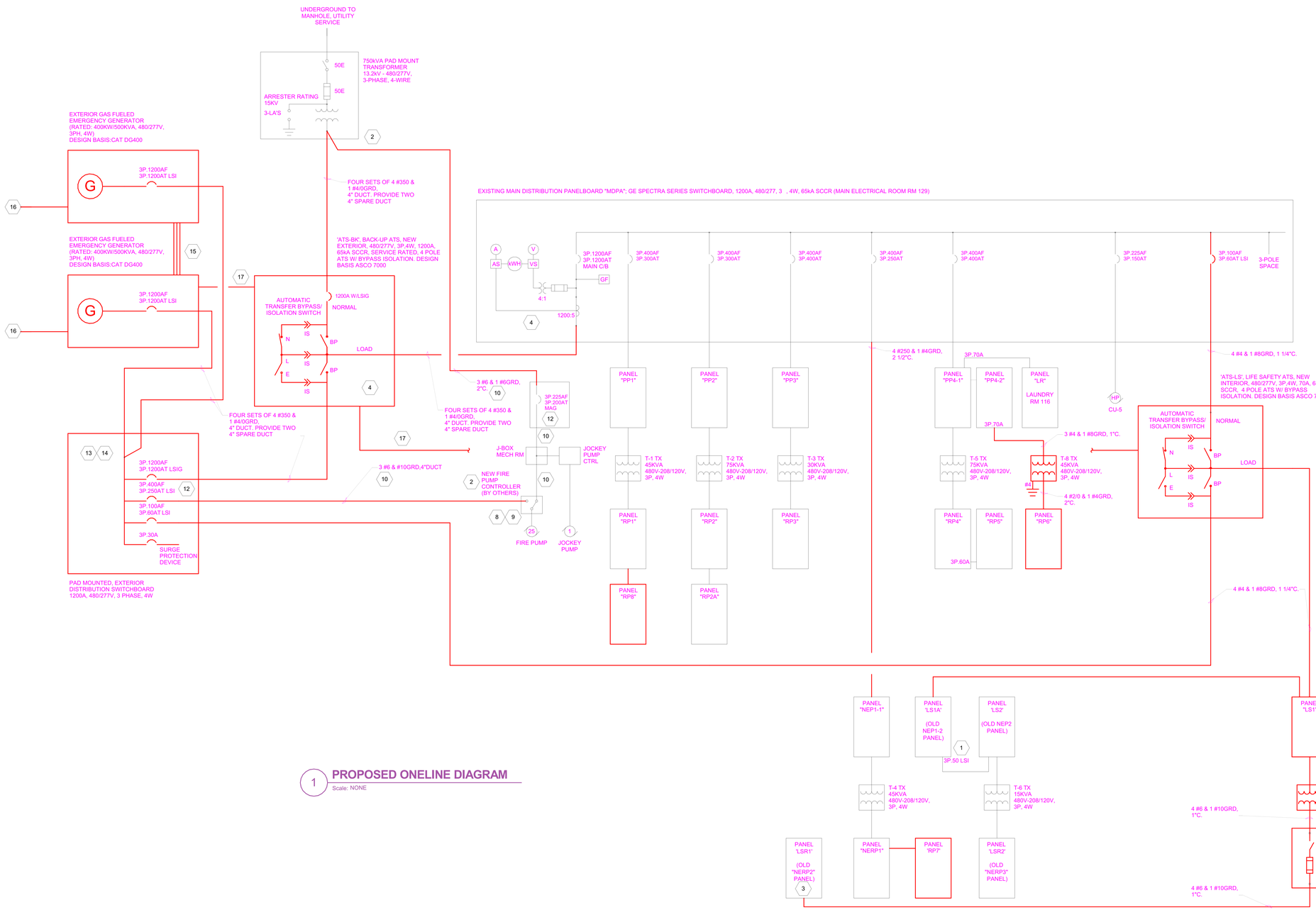
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
POWER - SALLYPORT ADDITION ROOF PLAN

Scale	USA Project No.
1/8" = 1'-0"	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: EP-105
Drawn By: CJD	Checked By: DEM

9/28/2026 10:57:41 AM



1 PROPOSED ONELINE DIAGRAM

Scale: NONE

GENERAL SHEET NOTES

1. REFER TO SITE PLAN E-100 FOR MORE INFORMATION.
2. REFER TO PANEL SCHEDULES FOR ADDITIONAL WIRE SIZES.
3. PROVIDE A POWER SYSTEM STUDY CONSISTING OF SHORT CIRCUIT, EQUIPMENT DUTY, COORDINATION, AND ARC FLASH HAZARDS ANALYSES FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL DATA NECESSARY FOR PROPER COMPLETION OF THE STUDIES.
4. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETELY COORDINATED EQUIPMENT. ALL EQUIPMENT MUST BE ADEQUATELY RATED FOR THE AVAILABLE FAULT CURRENTS AT THE INSTALLATION LOCATION. ENSURE POWER SYSTEM STUDY AND SHOP DRAWINGS FOR ELECTRICAL DISTRIBUTION EQUIPMENT ARE SUBMITTED AT THE SAME TIME FOR REVIEW BY THE ENGINEER OF RECORD.
5. PROVIDE A LABEL ON ALL SERVICE EQUIPMENT STATING THE MAXIMUM AVAILABLE FAULT CURRENT AS CALCULATED BY THE POWER SYSTEM STUDY. THE LABEL SHALL ALSO DISPLAY THE DATE THE CALCULATION WAS PERFORMED.

SHEET KEYNOTES

1. PROVIDE 3P.50A LSI BREAKER IN PANEL 'LS1A' AND CONNECT EXISTING FEED CONDUCTORS FROM PANEL 'LS2' (OLD NEP2 PANEL). UPDATE PANEL SCHEDULE.
2. PROVIDE NEW DUCT ROUTING FROM PAD MOUNT TRANSFORMER TO INTERCEPT EXISTING FIRE PUMP FEED CONDUIT. PROVIDE ADDITIONAL LUGS AS REQUIRED. WHERE ROUTED INSIDE THE BUILDING, THE DUCT SHALL BE 2-HOUR FIRE RATED BY ENCASING THE CONDUIT IN A MINIMUM OF 2" CONCRETE OR ANOTHER LISTED MEANS IN ALL AREAS OUTSIDE THE FIRE PUMP ROOM. PROVIDE ALL NEW CONDUCTORS.
3. PROVIDE NEW LIFE SAFETY FEED TO PANEL NERP2 AND RELABEL AS LSR1.
4. REMOVE EXISTING MAIN BONDING JUMPER AT MDPA. NEUTRAL BUS AT MDPA SHALL BE ISOLATED FROM GROUND. PROVIDE MAIN BONDING JUMPER AT 1200 AMP EXTERIOR ATS FOR UTILITY SOURCE.
5. PROVIDE GENERATOR START WIRING TO 1200 AMP EXTERIOR ATS, 70 AMP LIFE SAFETY ATS, AND FIRE PUMP CONTROLLER. LOSS OF NORMAL POWER SUPPLY BY ANY OF THE THREE (3) DEVICES SHALL START BOTH GENERATORS.
6. PROVIDE GENERATORS WITH ON-BOARD SYNCHRONIZATION CONTROLLER ACROSS GENERATOR BREAKER.
7. PROVIDE GENERATORS WITH LOAD SHEDDING CONTROLLER. CONFIGURE SUCH THAT 1200 AMP EXTERIOR ATS IS FORCED OFF EMERGENCY POWER IF GENERATOR LOAD EXCEEDS 90% OF RATED CAPACITY.
8. PROVIDE GENERATOR REMOTE START CIRCUIT WITH INTEGRITY MONITORING FOR BROKEN, DISCONNECTED, OR SHORTED WIRES. LOSS OF INTEGRITY SHALL START THE GENERATORS.
9. PROVIDE 2-HOUR FIRE RATED CONTROL WIRING CONDUIT BETWEEN FIRE PUMP CONTROLLER AND GENERATORS BY ENCASING THE CONDUIT IN A MINIMUM OF 2 IN CONCRETE OR ANOTHER LISTED MEANS.
10. PROVIDE 2-HOUR FIRE RATED DUCT BETWEEN FIRE PUMP CONTROLLER AND EXTERIOR 1200 AMP EMERGENCY SWITCHBOARD BY ENCASING THE CONDUIT IN A MINIMUM OF 2 IN CONCRETE OR ANOTHER LISTED MEANS IN ALL AREAS OUTSIDE THE FIRE PUMP ROOM.
11. PROVIDE A MINIMUM OF TWO (2) COPPER-CLAD STEEL 10 FT X 3/4" GROUND RODS AT EACH EMERGENCY GENERATOR. BOND TO GENERATOR CHASSIS WITH #6 BARE COPPER.
12. HANDLE SHALL BE LOCKABLE IN THE "ON" POSITION.
13. PROVIDE MAIN BONDING JUMPER AT 1200 AMP EXTERIOR SWITCHBOARD FOR GENERATOR SOURCE.
14. PROVIDE 120VAC POWER CIRCUIT FOR SPACE HEATER.
15. PROVIDE THREE 1" CONDUITS BETWEEN GENERATORS. PROVIDE 2 #10 FOR DC+/-, 2 #14 FOR START, AND 8 #14 FOR SPARE IN ONE CONDUIT. PROVIDE CAT6A CABLE FOR GENSET DATA LINK NETWORK IN THE ONE CONDUIT. ONE CONDUIT SPARE W/ PULL STRING.
16. PROVIDE 1" CONDUIT W/ BELDEN 9841 AND 2 #14 GENSET CONTROL TO ANNUNCIATOR PANEL IN CENTRAL CONTROL ROOM A247. PROVIDE 2 # 14 FOR EMERGENCY STOP BUTTONS FROM GENERATOR TO EXTERIOR MOUNTED E-STOP BUTTONS AND E-STOP BUTTONS MOUNTED IN CENTRAL CONTROL ROOM A247. PROVIDE CAT6A CABLE FROM GENERATOR CONTROLLERS TO BAS PANEL FOR MONITORING.
17. PROVIDE 1" CONDUIT WITH 6#14 FOR START SIGNAL AND SPARES BETWEEN ATS-LS, ATS-BK, AND GENERATORS.

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

PROPOSED ONELINE

Scale	USA Project No.
	R2024.0111.01
Drawing Date: 10.05.26	Drawing No. E-601
Drawn By: CJD	Checked By: DEM

9/28/2026 10:57:42 AM

Branch Panel: LS1

Location: MECHANICAL A125
Supply From:
Mounting: Surface
Enclosure Type: TYPE 1

Distribution Voltage: 480/277 Wye
Phase: 3
Wire: 4

AIC Rating: 65,000
Mains Rating: 125 A
Mains Type: MLO
Main Circuit Breaker Rating: 60 A

Notes: NEW PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1						4400 VA 7506 VA								2
3	LS1A	3	50 A	3-#6, 1-#6, 1-#10	1		5200 VA 4900 VA		3/4	3-#10, 1-#10, 1-#10	30 A	3	T-7 TX	4
5								3600 VA 4800 VA						6
7						0 VA								8
9	SURGE PROTECTION DEVICE	3	30 A	--			0 VA							10
11								0 VA						12
13														14
15														16
17														18
				Total Load:		11906 VA	10100 VA	8400 VA						
				Total Amps:		44 A	37 A	30 A						

Total Connected Load: 30406 W
Total Connected Amps: 37 A

Branch Panel: LS1A

Location: ELEC A119
Supply From: LS1
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 480/277 Wye
Phase: 3
Wire: 4

AIC Rating: 65,000
Mains Rating: 400 A
Mains Type:
Main Circuit Breaker Rating: 400 A

Notes: OLD NEP1-2 PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1														2
3														4
5														6
7														8
9														10
11														12
13														14
15														16
17														18
19						0 VA				--	20 A	1	LIGHTING	20
21	LIGHTING	1	20 A	--			0 VA 0 VA			--	20 A	1	LIGHTING	22
23	LIGHTING	1	20 A	--				0 VA 0 VA		--	20 A	1	LIGHTING	24
25	LIGHTING	1	20 A	--		0 VA 0 VA				--	20 A	1	LIGHTING	26
27	LIGHTING	1	20 A	--			0 VA 0 VA			--	20 A	1	LIGHTING	28
29	LIGHTING	1	20 A	--				0 VA 0 VA		--	20 A	1	LIGHTING	30
31	LIGHTING	1	20 A	--		0 VA 0 VA				--	20 A	1	LIGHTING	32
33	LIGHTING	1	20 A	--			0 VA 0 VA			--	20 A	1	LIGHTING	34
35	LIGHTING	1	20 A	--				0 VA 0 VA		--	20 A	1	LIGHTING	36
37						0 VA 4400 VA				--				38
39	SURGE PROTECTION DEVICE	3	30 A	--			0 VA 5200 VA			3-#6, 1-#6, 1-#10	50 A	3	LS2	40
41								0 VA 3600 VA						42
				Total Load:		4400 VA	5200 VA	3600 VA						
				Total Amps:		16 A	19 A	13 A						

Total Connected Load: 13200 W
Total Connected Amps: 16 A

Branch Panel: LS2

Location: ELEC EQUIPMENT ROOM B127
Supply From: LS1A
Mounting: Surface
Enclosure Type: 1

Distribution Voltage: 480/277 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 125 A
Mains Type: M.L.O.
Main Circuit Breaker Rating: 100 A

Notes: OLD NEP2 PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1						-- 1200 VA								2
3	Space (RELOCATED TO PP4-2	3	--	--			-- 1200 VA		3/4	3-#10, 1-#10, 1-#10	30 A	3	T6 TX Panel LSR2 (OLD NERP 3)	4
5								-- 1700 VA						6
7						-- --								8
9	Space (RELOCATED TO PP4-2)	3	--	--			-- --			--	--	3	Space (RELOCATED TO PP4-2)	10
11								-- --						12
13	LIGHTS RM 100, 102, HALL	1	20 A	--		800 VA 900 VA				--	20 A	1	LIGHTS RM 200, 203	14
15	LIGHTS RM 104	1	20 A	--			1500 VA 1000 VA			--	20 A	1	LIGHTS BATHRM, DAYLIGHTS	16
17	LIGHTS RM 103, CLASS RM 126	1	20 A	--				0 VA 1000 VA		--	20 A	1	LIGHTS 204,205,213,223	18
19	LIGHTS RM 115,117,127	1	20 A	--		600 VA 0 VA				--	20 A	1	LIGHTS ??	20
21	LIGHTS RM 107,110	1	20 A	--			1000 VA 500 VA			--	20 A	1	LIGHTS GYM EM LIGHTS	22
23	LIGHTS RM 121-126	1	20 A	--				900 VA 0 VA		--	20 A	1	LIGHTS ??	24
25	LIGHTS RM S-1	1	20 A	--		900 VA --								26
27	Spare	1	20 A	--			0 VA --			--	--	3	Space (RELOCATED TO PP4-2)	28
29	Spare	1	20 A	--				0 VA --						30
31						-- 0 VA								32
33	Space (RELOCATED TO PP4-1)	3	--	--			-- 0 VA			--	30 A	3	SURGE PROTECTION DEVICE	34
35								-- 0 VA						36
37														38
39														40
41														42
				Total Load:		4400 VA	5200 VA	3600 VA						
				Total Amps:		16 A	19 A	13 A						

Total Connected Load: 13200 W
Total Connected Amps: 16 A

Branch Panel: LSR1

Location: MDF A123
Supply From: T-7 TX
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 125 A
Mains Type: M.L.O.
Main Circuit Breaker Rating: 125 A

Notes: OLD NERP2 PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	N/E EXT. LGHT (FROM NERP1)	1	20 A	--		200 VA 600 VA				--	20 A	1	DOOR CONTROL RELAY	2
3	Spare	1	20 A	--			0 VA 600 VA			--	20 A	1	DOOR CONTROL RELAY	4
5	DOOR CNTRL RELAY PLC CAB	1	20 A	--				100 VA 600 VA		--	20 A	1	DOOR CONTROL RELAY	6
7	INTERCOM	1	20 A	--		600 VA 600 VA				--	20 A	1	DOOR CONTROL RELAY	8
9	FIRE ALARM	1	20 A	--			200 VA 600 VA			--	20 A	1	DOOR CONTROL RELAY	10
11	Spare	1	20 A	--				0 VA 600 VA		--	20 A	1	DOOR CONTROL RELAY	12
13	DOOR CONTROL CAB	1	20 A	--		600 VA 0 VA				--	20 A	1	Spare	14
15	Spare	1	20 A	--			0 VA 0 VA			--	20 A	1	SPARE	16
17	Spare	1	20 A	--				0 VA 0 VA		--	20 A	1	Spare	18
19	LIGHTING SALLYPORT	1	20 A	1-#10, 1-#10, 1-#10	3/4	407 VA 0 VA								20
21	ACCESS CNTRL PNL IDFA237A	1	20 A	1-#12, 1-#12, 1-#12	3/4		500 VA 0 VA			--	30 A	3	SURGE PROTECTION DEVICE	22
23	ACCESS CNTRL PNL IDFA237A	1	20 A	1-#12, 1-#12, 1-#12	3/4			500 VA 0 VA						24
25	EXTERIOR GATE NORTH (G2)	1	20 A	1-#10, 1-#10, 1-#10	3/4	1500 VA								26
27	EXTERIOR GATE NORTH (G9)	1	20 A	1-#10, 1-#10, 1-#10	3/4		1500 VA							28
29	EXTERIOR GATE NORTH (G3)	1	20 A	1-#10, 1-#10, 1-#10	3/4			1500 VA						30
31	EXTERIOR GATE WEST (G5)	1	20 A	1-#10, 1-#10, 1-#10	3/4	1500 VA								32
33	EXTERIOR GATE WEST (G6)	1	20 A	1-#10, 1-#10, 1-#10	3/4		1500 VA							34
35	EXTERIOR GATE WEST (G7)	1	20 A	1-#10, 1-#10, 1-#10	3/4			1500 VA						36
37	EXTERIOR GATE WEST (G8)	1	20 A	1-#10, 1-#10, 1-#10	3/4	1500 VA								38
39														40
41														42
				Total Load:		7506 VA	4900 VA	4800 VA						
				Total Amps:		63 A	41 A	40 A						

Total Connected Load: 17206 W
Total Connected Amps: 48 A

Branch Panel: LSR2

Location: ELEC EQUIPMENT ROOM B127
Supply From: T-6 TX
Mounting: Surface
Enclosure Type: 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 125 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 60 A

Notes: OLD NERP3 PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	Spare	1	20 A	--		0 VA 600 VA				--	20 A	1	DOOR CONTROL RELAY	2
3	DOOR CONTROL PLC	1	20 A	--			0 VA 600 VA			--	20 A	1	DOOR CONTROL RELAY	4
5	INTERCOM 127	1	20 A	--				0 VA 600 VA		--	20 A	1	DOOR CONTROL RELAY	6
7	Spare	1	20 A	--		0 VA 600 VA				--	20 A	1	DOOR CONTROL RELAY	8
9	FIRE ALARM PANEL	1	20 A	--			0 VA 600 VA			--	20 A	1	DOOR CONTROL RELAY	10
11	Spare	1	20 A	--				0 VA 600 VA		--	20 A	1	DOOR CONTROL RELAY	12
13	Spare	1	20 A	--		0 VA 0 VA				--	20 A	2	Spare	14
15	Spare	1	20 A	--			0 VA 0 VA							16
17	Spare	1	20 A	--				0 VA						18
19	LTS SITE	1	20 A	--		0 VA								20
21	CCTV CAMERA	1	20 A	--			0 VA							22
23	LTS SITE	1	20 A	--				0 VA 500 VA		1-#12, 1-#12, 1-#12	20 A	1	ACCESS CNTRL PNL IDFB115A	24
25						0 VA								26
27							0 VA			--	30 A	3	SURGE PROTECTION DEVICE	28
29								0 VA						30
				Total Load:		1200 VA	1200 VA	1700 VA						
				Total Amps:		10 A	10 A	14 A						

Total Connected Load: 4100 W
Total Connected Amps: 11 A

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. PROVID NEW LSI BREAKER AND CONNECT EXISTING CONDUCTORS FOR PANEL LS2.
2. PROVIDE NEW BREAKER SHOWN.

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Entech Project No. 7163.002

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RENOVATIONS AND ADDITION
TO THE
KEYSTONE REGIONAL YOUTH CENTER
FOR
THE COUNTY OF BERKS
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
PANEL SCHEDULES - LIFE SAFETY

Scale:
USA Project No. R2024.0111.01
Drawing Date 10.05.26
Drawing No. E-602
Drawn By CJD
Checked By DEM

9/28/2026 10:57:42 AM

Branch Panel: NEP1-1

Location: ELEC A119
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 480/277 Wye
Phase: 3
Wire: 4

AIC Rating: 65,000
Mains Rating: 400 A
Mains Type:
Main Circuit Breaker Rating: 400 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1						0 VA	0 VA										2
3	LIGHTNING PROTECTOR	3	60 A	--				0 VA	0 VA				--	100 A	3	Spare (OLD FEED TO NEP2)	4
5										0 VA	0 VA						6
7						1330 VA	1330 VA										8
9	F3-1	3	15 A	--				1330 VA	1330 VA				--	30 A	3	F2-1	10
11										1330 VA	1330 VA						12
13						2106 VA	0 VA										14
15	F1-1	3	15 A	--				2106 VA	0 VA				--	40 A	3	HEAT LOOP PUMPS	16
17										2106 VA	0 VA						18
19						500 VA	500 VA										20
21	GATE OPERATOR	3	20 A	--				500 VA	500 VA				--	20 A	3	GATE OPERATOR	22
23										500 VA	500 VA						24
25						0 VA	0 VA										26
27	EXISTING CIRCUIT	3	20 A	--				0 VA	0 VA				--	20 A	3	CP-1	28
29										0 VA	0 VA						30
31						0 VA	15000 VA										32
33	AHU-1	3	25 A	--				0 VA	15000 VA				--	70 A	3	TX T-4	34
35										0 VA	15000 VA						36
37						0 VA	721 VA										38
39	EJECTOR PUMP (FROM NEP1-2)	3	20 A	3-#12, 1#12	3/4			0 VA	721 VA			3/4	3-#12, 1#12	20 A	3	F4-1 (FROM NEP1-2)	40
41										0 VA	721 VA						42
				Total Load:		21487 VA		21487 VA		21487 VA							
				Total Amps:		78 A		78 A		78 A							

Total Connected Load: 64461 W
Total Connected Amps: 78 A

Branch Panel: PP4-2

Location: ELEC EQUIPMENT ROOM B127
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 480/277 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 400 A
Mains Type:
Main Circuit Breaker Rating: 300 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	LTS RM 127	1	20 A	--		0 VA	0 VA						--	20 A	1	LIGHTS RM 123, 124	2
3	LTS RM 204,205,213,215	1	20 A	--				0 VA	0 VA				--	20 A	1	LIGHTS RM 200, 203	4
5	LTS Q UNIT BTH, STAFF BTH,JAN	1	20 A	--						0 VA	0 VA		--	20 A	1	LIGHTS RM 203	6
7	LTS PARKING	1	20 A	--		0 VA	0 VA						--	20 A	1	LTS PRKNG S. FRONT 6,7,8,9,10	8
9									0 VA				--	20 A	1	LTS PARKING E. SIDE 1,2,3,4,5	10
11																	12
13						3000 VA	23646 VA										14
15	AHU-6 (FROM LS2)	3	30 A	3-#10, 1-#10	3/4			3000 VA	16885 VA			1 1/4	3-#4, 1-#4, 1-#8	70 A	3	T-8 TX (Panel RP6)	16
17										3000 VA	16155 VA						18
19						3900 VA											20
21	F10 RM 117 (FROM LS2)	3	15 A	3-#12, 1-#12	3/4			3900 VA									22
23										3900 VA							24
25						1000 VA											26
27	SEWAGE PUMP (FROM LS2)	3	15 A	3-#12, 1-#12	3/4			1000 VA									28
29										1000 VA							30
31						900 VA											32
33	F11 RM 117 (FROM LS2)	3	15 A	3-#12, 1-#12	3/4			900 VA									34
35										900 VA							36
37																	38
39																	40
41																	42
				Total Load:		32446 VA		25685 VA		24955 VA							
				Total Amps:		118 A		93 A		90 A							

Total Connected Load: 83086 W
Total Connected Amps: 100 A

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. PROVIDE NEW BREAKER SHOWN.
2. RELOCATED FROM LS1A (NEP1-2).

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RENOVATIONS AND ADDITION
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KEYSTONE REGIONAL YOUTH CENTER
FOR
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1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

PANEL SCHEDULES - 480/277V

Scale	USA Project No.
	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: E-603
Drawn By: CJD	Checked By: DEM

9/28/2026 10:57:43 AM

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. PROVIDE NEW BREAKER SHOWN.
2. RELOCATED FROM NERP2 (LSR1).
3. REMOVE 3 POLE BREAKER FOR FREEZER TRAILER.
4. REMOVE 3 POLE BREAKER FOR WASHER.

Branch Panel: NERP1

Location: ELEC A119
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 225 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 175 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1						8711 VA	0 VA							2
3	PANEL 'RP7'	3	100 A	3-#1, 1-#1, 1-#8	1 1/2		9800 VA	0 VA		--	30 A	3	SPARE	4
5								4143 VA	0 VA					6
7	SPARE	3	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	8
9							0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	10
11								0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	12
13	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	14
15	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	16
17	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	18
19	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	20
21	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	22
23	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	24
25	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	26
27	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	28
29	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	30
31	EXISTING CIRCUIT	3	60 A	--		0 VA	1100 VA							32
33							0 VA	1100 VA		2-#12, 1-#12, 1-#12	20 A	2	Receptacle IDF A123	34
35								0 VA	360 VA	--	20 A	1	REC TELE EQP RM123	36
37	Receptacle IDF A123	2	20 A	2-#12, 1-#12, 1-#12	3/4	1100 VA	360 VA			--	20 A	1	REC DATA EQP RM 123	38
39							1100 VA	100 VA		--	20 A	1	STAFF BREAK RM KEYWATCH	40
41									200 VA	--	20 A	1	RADIO ENTERTAINMENT SYSTEM	42
				Total Load:		11271 VA	12099 VA	4703 VA						
				Total Amps:		102 A	109 A	39 A						

Total Connected Load: 28070 W
Total Connected Amps: 78 A

Branch Panel: RP1

Location: ELECTRICAL A129
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 225 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 175 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1														2
3														4
5														6
7														8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27							11130 VA							28
29								8630 VA	1 1/4	3-#1, 1-#1, 1-#8	100 A	3	RP8	30
31						6960 VA								32
33														34
35														36
37														38
39														40
41														42
				Total Load:		6960 VA	11130 VA	8630 VA						
				Total Amps:		58 A	95 A	74 A						

Total Connected Load: 26720 W
Total Connected Amps: 74 A

Branch Panel: RP2A

Location: ELEC A119
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 225 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 175 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	2
3	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	4
5	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	6
7	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	8
9	Receptacle DAYROOM A217	1	20 A	1-#12, 1-#12, 1-#12	3/4		250 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	10
11	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	12
13	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	14
15	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	16
17	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	18
19	Receptacle STORAGE A201A	1	20 A	1-#12, 1-#12, 1-#12	3/4	540 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	20
21								0 VA		--	20 A	1	EXISTING CIRCUIT	22
23	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	24
25	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	26
27	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	28
29	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	30
31	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	32
33	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	34
35	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	36
37	EXISTING CIRCUIT	1	20 A	--		0 VA	2375 VA			2-#6, 1-#6, 1-#6	30 A	2	Receptacle LAUNDRY A203	38
39	EXISTING CIRCUIT	1	20 A	--				0 VA	2375 VA					40
41	Receptacle LAUNDRY A203	1	20 A	1-#10, 1-#10, 1-#10	3/4			600 VA	250 VA	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room A217, A204	42
				Total Load:		2915 VA	2625 VA	850 VA						
				Total Amps:		27 A	24 A	7 A						

Total Connected Load: 6390 W
Total Connected Amps: 18 A

Branch Panel: RP3

Location: MECHANICAL A120
Supply From:
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 125 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 100 A

Notes:

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	LTG CRAWL SPACE	1	20 A	--		500 VA	720 VA			--	20 A	1	LTG RM 221-226	2
3	LTG CRAWL SPACE	1	20 A	--			900 VA	360 VA		--	20 A	1	LTG RM 227-229	4
5	REC CRAWL SPACE	1	20 A	--				720 VA	720 VA	--	20 A	1	LTG RM 203-235	6
7	REC RM 120	1	20 A	--		900 VA	1080 VA			--	20 A	1	REC RMS 236 GFCI	8
9	REC RM 237	1	20 A	--			720 VA	864 VA		--	20 A	1	F-1	10
11	UH-2/UH-3/UH-4/UH-5	1	20 A	--				800 VA	1400 VA	--	20 A	1	LTG ATTIC	12
13	REC COND UNIT	1	20 A	--		180 VA	180 VA			--	20 A	1	REC YOUTH SHELTER KITCHEN	14
15	GRINDER PUMP CONTROL PANEL	1	20 A	--			200 VA	600 VA		--	20 A	1	YOUTH SHELTER DISHWASHER	16
17	EXISTING CIRCUIT	1	20 A	--				0 VA	1200 VA	--	20 A	1	YOUTH SHELTER MICROWAVE	18
19	Receptacle CLASSROOM A113	1	20 A	1-#12, 1-#12, 1-#12	3/4	250 VA	250 VA			1-#12, 1-#12, 1-#12	20 A	1	Receptacle ACTIVITY AREA A114	20
21	Receptacle LAUNDRY/ JAN A118	2	30 A	2-#10, 1-#10, 1-#10	3/4		2375 VA	600 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle LAUNDRY/ JA NA118	22
23								2375 VA	250 VA	1-#12, 1-#12, 1-#12	20 A	1	Receptacle VIDEO COURT A233	24
25	Receptacle LAUNDRY A234	1	20 A	1-#12, 1-#12, 1-#12	3/4	600 VA	2375 VA							26
27	Receptacle DAYROOM A236	1	20 A	1-#12, 1-#12, 1-#12	3/4		250 VA	2375 VA	3/4	2-#10, 1-#10, 1-#10	30 A	2	Receptacle LAUNDRY A234	28
29	REC SALLYPORT ROOF, MECH...	1	20 A	1-#12, 1-#12, 1-#12	3/4			360 VA	1100 VA					30
31	Receptacle IDF A237A	2	20 A	2-#12, 1-#12, 1-#12	3/4	1100 VA	1100 VA			2-#12, 1-#12, 1-#12	20 A	2	Receptacle IDF A237A	32
33							1100 VA	1100 VA						34
35	Receptacle IDF A237A	1	20 A	1-#12, 1-#12, 1-#12	3/4			360 VA	1100 VA	2-#12, 1-#12, 1-#12	20 A	2	Receptacle IDF A237A	36
37	Receptacle IDF A237A	1	20 A	1-#12, 1-#12, 1-#12	3/4	360 VA	360 VA			1-#12, 1-#12, 1-#12	20 A	1	Receptacle IDF A237A	38
39	Spare	1	20 A	--			0 VA	0 VA		--	20 A	1	Spare	40
41	Spare	1	20 A	--				0 VA	0 VA	--	20 A	1	Spare	42
				Total Load:		9955 VA	11444 VA	10385 VA						
				Total Amps:		83 A	96 A	87 A						

Total Connected Load: 31784 W
Total Connected Amps: 88 A

Branch Panel: RP4-1

Location: ELEC EQUIPMENT ROOM B127
Supply From:
Mounting: Surface
Enclosure Type: NEMA 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating: 10kA
Mains Rating: 225 A
Mains Type: MCB
Main Circuit Breaker Rating: 225 A

Notes: ** DENOTES GFCI BREAKER

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A	B	C	Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	2
3	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	4
5	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	6
7	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	8
9	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	10
11	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	12
13	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	14
15	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	16
17	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	18
19	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	20
21	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	22
23	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	24
25	EXISTING CIRCUIT	1	20 A	--		0 VA	0 VA			--	20 A	1	EXISTING CIRCUIT	26
27	EXISTING CIRCUIT	1	20 A	--			0 VA	0 VA		--	20 A	1	EXISTING CIRCUIT	28
29	EXISTING CIRCUIT	1	20 A	--				0 VA	0 VA	--	20 A	1	EXISTING CIRCUIT	30
31	EXISTING CIRCUIT	1	20 A	--		0 VA	600 VA							32
33	EXISTING CIRCUIT	1	20 A	--			0 VA	865 VA		1-#12, 1-#12, 1-#12	20 A	1	** RECEPT WASHER RM 116	34
35	EXISTING CIRCUIT	1	20 A	--				0 VA	865 VA	1-#12, 1-#12, 1-#12	20 A	1	** RECEPT DRYER RM 116	36
37	** RECEPT WASHER RM 116	1	20 A	1-#12, 1-#12, 1-#12	3/4	600 VA	3300 VA							38
39	Spare	1	20 A	--			0 VA	3560 VA		3-#4, 1-#4, 1-#10	60 A	3	RP5	40
41	Spare	1	20 A	--				0 VA	3270 VA					42
				Total Load:		4500 VA	4425 VA	4135 VA						
				Total Amps:		38 A	37 A	34 A						

Total Connected Load: 13060 W
Total Connected Amps: 36 A

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Entech Project No. 7163.002

USA Architects, Planners and Interior Designers, LTD.
N3: 21AC00116100 PA: AX001602L DE: SR0000564 MD: 17644
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RENOVATIONS AND ADDITION
TO THE
KEYSTONE REGIONAL YOUTH CENTER
FOR
THE COUNTY OF BERKS
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
PANEL SCHEDULES - 208/120V

Scale:
USA Project No. R2024.0111.01
Drawing Date: 10.05.26
Drawing No. E-604
Drawn By: CJD
Checked By: DEM

9/28/2026 10:57:45 AM

Branch Panel: RP5

Location: Space A308
Supply From: RP4-1
Mounting: Surface
Enclosure Type: 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 125 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 60 A

Notes: Existing Panel

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	ACC7	2	15 A	--		1000 VA	180 VA						--	20 A	1	REC RM 202	2
3								1000 VA	1200 VA				--	20 A	1	REC RM 200	4
5	LIGHT/REC ELEC PIT	1	20 A	--						280 VA	1200 VA		--	20 A	1	CUH 2 RM S-2	6
7	REC RM 100 101	1	20 A	--		540 VA	180 VA						--	20 A	1	REC ROOF ACC7	8
9	REC RM 103	1	20 A	--				360 VA	0 VA				--	20 A	1	Spare	10
11	REC RM 104	1	20 A	--						540 VA	500 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	12
13	EWC REC RM 104	1	20 A	--		300 VA	500 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	14
15	Spare	1	20 A	--				0 VA	500 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	16
17	Spare	1	20 A	--						0 VA	500 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	18
19	ELEV LITS REC	1	20 A	--		0 VA	500 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	20
21	EXISTING CIRCUIT	1	20 A	--				0 VA	500 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI-PURP RM B104	22
23	ELEVATOR LTS	1	20 A	--						0 VA	250 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Recept MULTI-PURP RM B104 TV	24
25	DRY DIRE PIPE SYSTEM B201	1	20 A	1-#12, 1-#12, 1-#12	3/4	100 VA	0 VA						--	20 A	1	Spare	26
27	Spare	1	20 A	--				0 VA	0 VA				--	20 A	1	Spare	28
29	Spare	1	20 A	--						0 VA	0 VA		--	20 A	1	Spare	30
				Total Load:		3300 VA		3560 VA		3270 VA							
				Total Amps:		28 A		30 A		27 A							

Total Connected Load: 10130 W
Total Connected Amps: 28 A

Branch Panel: RP6

Location: IDF B115A
Supply From: T-8 TX
Mounting: Surface
Enclosure Type: 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 225 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 175 A

Notes: NEW PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	Receptacle LAUNDRY B243	2	30 A	2-#10, 1-#10, 1-#10	3/4	2375 VA	2375 VA					3/4	2-#8, 1-#8, 1-#8	30 A	2	Receptacle LAUNDRY B222	2
3								2375 VA	2375 VA								4
5	Receptacle LAUNDRY B212	2	30 A	2-#8, 1-#8, 1-#8	3/4					2375 VA	2375 VA	3/4	2-#10, 1-#10, 1-#10	30 A	2	Receptacle LAUNDRY B233	6
7						2375 VA	2375 VA										8
9	Receptacle LAUNDRY B243	1	20 A	1-#12, 1-#12, 1-#12	3/4			180 VA	600 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle LAUNDRY B222	10
11	Receptacle LAUNDRY B212	1	20 A	1-#12, 1-#12, 1-#12	3/4					600 VA	600 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle LAUNDRY B233	12
13	Receptacle DAYROOM B236	1	20 A	1-#12, 1-#12, 1-#12	3/4	250 VA	250 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room B215, B221	14
15	REC VIDEO COURT/INTERVW...	1	20 A	1-#12, 1-#12, 1-#12	3/4			250 VA	250 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	REC VIDEO COURT/INTERVW...	16
17	Receptacle DAYROOM B205	1	20 A	1-#12, 1-#12, 1-#12	3/4					250 VA	250 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	REC VIDEO COURT/INTERVW...	18
19	REC VIDEO COURT/INTERVW...	1	20 A	1-#12, 1-#12, 1-#12	3/4	250 VA	250 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle DAYROOM B226	20
21	Receptacle I.U. OFFICE B120	1	20 A	1-#12, 1-#12, 1-#12	3/4			180 VA	250 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle CLASSROOM-2 B121-2	22
23	Receptacle CLASSROOM B122	1	20 A	1-#12, 1-#12, 1-#12	3/4					250 VA	250 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle TRAINING ROOM B124	24
25	Receptacle Room B126B, B125	1	20 A	1-#10, 1-#10, 1-#10	3/4	720 VA	720 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room B126A, B126	26
27	Receptacle Room B123, B124	1	20 A	1-#10, 1-#10, 1-#10	3/4			900 VA	720 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room B110, B108	28
29	Receptacle ACCOUNT CLERK B114	1	20 A	1-#12, 1-#12, 1-#12	3/4					180 VA	180 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle ACCOUNT CLERK B114	30
31	Receptacle Room B114A, B114	1	20 A	1-#12, 1-#12, 1-#12	3/4	720 VA	600 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle IDF B115A	32
33	Receptacle IDF B115A	1	20 A	1-#12, 1-#12, 1-#12	3/4			600 VA	600 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle IDF B115A	34
35	Receptacle IDF B115A	2	20 A	2-#12, 1-#12, 1-#12	3/4					1100 VA	1100 VA	3/4	2-#12, 1-#12, 1-#12	20 A	2	Receptacle IDF B115A	36
37						1100 VA	1100 VA										38
39	REC OPEN OFFICE AREA B108...	1	20 A	1-#12, 1-#12, 1-#12	3/4			360 VA	1665 VA			3/4	2-#10, 1-#10, 1-#10	30 A	2	HVAC CU-1 (HP-1)	40
41	Spare	1	20 A	--						0 VA	1665 VA						42
43	Receptacle TELE RM 127	1	20 A	1-#12, 1-#12, 1-#12	3/4	180 VA	0 VA						--	20 A	1	Spare	44
45	Receptacle DATA EQUIP RM 127	1	20 A	1-#12, 1-#12, 1-#12	3/4			180 VA	0 VA				--	20 A	1	Spare	46
47	CIRCUIT TRACE #17	1	20 A	1-#12, 1-#12, 1-#12	3/4					180 VA	0 VA		--	20 A	1	Spare	48
49	CIRCUIT TRACE #14/16	2	20 A	1-#12, 1-#12, 1-#12	3/4	500 VA	0 VA						--	20 A	1	Spare	50
51								500 VA									52
53	Spare	1	20 A	--						0 VA							54
				Total Load:		16140 VA		11985 VA		11355 VA							
				Total Amps:		135 A		101 A		95 A							

Total Connected Load: 39480 W
Total Connected Amps: 110 A

Branch Panel: RP7

Location: MECHANICAL A122
Supply From: NERP1
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 100 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 100 A

Notes: NEW PANEL

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1	REC INDOOR RECREATION TV...	1	20 A	1-#12, 1-#12, 1-#12	3/4	500 VA	540 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	REC INDOOR RECREATION A130	2
3	POWER POLE LOBBY A132	1	20 A	1-#12, 1-#12, 1-#12	3/4			500 VA	360 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room A131, A131A	4
5	REC EXTERIOR SALLYPORT	1	20 A	1-#12, 1-#12, 1-#12	3/4					180 VA	180 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	REC COPIER ADMISSIONS A273	6
7	Receptacle ADMISSIONS A273	1	20 A	1-#12, 1-#12, 1-#12	3/4	540 VA	180 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle ADMISSIONS A273	8
9	REC DESK ADMISSIONS A273	1	20 A	1-#12, 1-#12, 1-#12	3/4			360 VA	360 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room A275, A273	10
11	Receptacle TOILET A274	1	20 A	1-#12, 1-#12, 1-#12	3/4					180 VA	360 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	REC VEHICLE SALLYPORT A272	12
13	REC VEHICLE SALLYPORT A272	1	20 A	1-#12, 1-#12, 1-#12	3/4	540 VA	360 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	REC TREATMENT ROOM A246	14
15	REC TREATMENT ROOM A246	1	20 A	1-#12, 1-#12, 1-#12	3/4			540 VA	500 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle Room A257, A256	16
17	Receptacle I.U. OFFICE A258	1	20 A	1-#12, 1-#12, 1-#12	3/4					180 VA	360 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle DENTAL A255	18
19	Receptacle CORRIDOR A144 EWC	1	20 A	1-#12, 1-#12, 1-#12	3/4	360 VA	180 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	REC IND EDUC/ COUNSELING...	20
21	Receptacle MEDICAL OFFICE A268	1	20 A	1-#12, 1-#12, 1-#12	3/4			180 VA	250 VA			3/4	1-#12, 1-#12, 1-#12	20 A	1	Receptacle MULTI- PURPOSE A269	22
23	Receptacle MEDICAL ROOM A244	1	20 A	1-#12, 1-#12, 1-#12	3/4					360 VA	200 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	EF-1	24
25	EF-2	1	20 A	1-#12, 1-#12, 1-#12	3/4	200 VA	4680 VA										26
27	CU-2	2	30 A	2-#10, 1-#10, 1-#10	3/4			1665 VA	4680 VA			3/4	2-#6, 1-#6, 1-#10	55 A	2	RTU-1	28
29										1665 VA	500 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	Lighting PROPERTY STORAGE...	30
31	LIGHTING	1	20 A	1-#12, 1-#12, 1-#12	3/4	452 VA	180 VA					3/4	1-#12, 1-#12, 1-#12	20 A	1	REC CENTRAL CONTROL A247	32
33	UH-1 VEHICLE SALLYPORT A272	1	20 A	1-#12, 1-#12, 1-#12	3/4			500 VA	0 VA				--	20 A	1	Spare	34
35	Spare	1	20 A	--						0 VA	0 VA		--	20 A	1	Spare	36
37	Spare	1	20 A	--		0 VA	0 VA						--	20 A	1	Spare	38
39	Spare	1	20 A	--				0 VA	0 VA				--	20 A	1	Spare	40
41	Spare	1	20 A	--						0 VA	0 VA		--	20 A	1	Spare	42
				Total Load:		8711 VA		9800 VA		4143 VA							
				Total Amps:		78 A		88 A		35 A							

Total Connected Load: 22651 W
Total Connected Amps: 63 A

Branch Panel: RP8

Location: ELECTRICAL A129
Supply From: RP1
Mounting: Surface
Enclosure Type: Type 1

Distribution Voltage: 120/208 Wye
Phase: 3
Wire: 4

AIC Rating:
Mains Rating: 100 A
Mains Type: MAIN C/B
Main Circuit Breaker Rating: 100 A

Notes: New Panel

#	Load Name	Number of Poles	Rating	Wire Size	Con.	A		B		C		Con.	Wire Size	Rating	Number of Poles	Load Name	#
1						1440 VA	1440 VA										2
3	WALK-IN FRZER COND UNIT WEST	3	15 A	3-#12, 1-#12	3/4			1440 VA	1440 VA			3/4	3-#12, 1-#12	15 A	3	WALK-IN FRZER COND UNIT EAST	4
5										1440 VA	1440 VA						6
7	WALK-IN FRZER EVAP UNIT WEST	2	20 A	2-#12, 1-#12	3/4	1125 VA	1125 VA					3/4	2-#12, 1-#12	20 A	2	WALK-IN FRZER EVAP UNIT EAST	8
9								1125 VA	1125 VA								10
11	REC REACH-IN STRG A253 FRIG	1	20 A	1-#12, 1-#12, 1-#12	3/4					540 VA	540 VA	3/4	1-#12, 1-#12, 1-#12	20 A	1	REC REACH-IN STRG A253 FRIG	12
13	Spare	1	20 A	--		0 VA	3000 VA					1	2-#8, 1-#10	50 A	2	GENERATOR 1 NORTH	14
15	Spare	1	20 A	--				0 VA	3000 VA								16
17	Spare	1	20 A	--						0 VA	3000 VA	1	2-#8, 1-#10	50 A	2	GENERATOR 2 SOUTH	18
19	Spare	1	20 A	--		0 VA	3000 VA										20
21	Spare	1	20 A	--				0 VA	500 VA				2-#10, 1-#10	20 A	1	EXTERIOR DIST SWBD HEATER	22
23	Spare	1	20 A	--						0 VA	0 VA		--	20 A	1	Spare	24
25	Spare	1	20 A	--		0 VA	0 VA						--	20 A	1	Spare	26
27	Spare	1	20 A	--				0 VA	0 VA				--	20 A	1	Spare	28
29	Spare	1	20 A	--						0 VA	0 VA		--	20 A	1	Spare	30
31	Spare	1	20 A	--		0 VA	0 VA						--	20 A	1	Spare	32
33																	34
35																	36
37																	38
39																	40
41																	42
				Total Load:		11130 VA		8630 VA		6960 VA							
				Total Amps:		95 A		74 A		58 A							

Total Connected Load: 26720 W
Total Connected Amps: 74 A

GENERAL SHEET NOTES

1. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.

SHEET KEYNOTES

1. PROVIDE NEW BREAKER SHOWN.
2. PROVIDE PROVISION FOR PERMANENT LOCKABLE BREAKER.
3. RELOCATED FROM PANEL 'LSR2'

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Drawing Title
PANEL SCHEDULES - 208/120V

Scale	USA Project No. R2024.0111.01
Drawing Date 10.05.26	Drawing No. E-605
Drawn By CJD	Checked By DEM

9/28/2026 10:57:47 AM

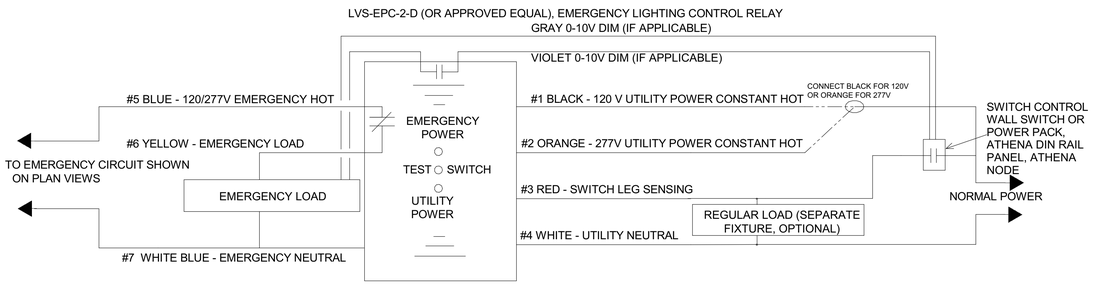
LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LUMENS	WATTAGE	CCT	CRI	MOUNTING	VOLTAGE	RMK.	DESCRIPTION
A4	NEWSTAR LIGHTING	55M-4-B-L2-40-80C-1C-7-LC3-UN-DM-AH	5,500	50	4000	80	W,C,S	120		CORRECTIONAL, 4' LED, CORNER CLAMSHELL, WHITE
A4E	NEWSTAR LIGHTING	55M-4-B-L2-40-80C-1C-7-LC3-UN-DM-AH	5,500	50	4000	80	W,C,S	120	1	CORRECTIONAL, 4' LED, CORNER CLAMSHELL, WHITE, ON EMERGENCY
A4NL	NEWSTAR LIGHTING	55M-4-B-L2-40-80C-1C-7-LC3-UN-DM-AH-LN	5,500	50	4000	80	W,C,S	120	6	CORRECTIONAL, 4' LED, CORNER CLAMSHELL, WHITE, W/LED NIGHT LIGHT
B1	NEWSTAR LIGHTING	47-R-14-A-A-L2-40-80-1-9-LC3-UN-DM	6,000	50	4000	80	C,R	277		CORRECTIONAL, 1X4' LED, SECURED CEILING, CONCEALED DROP HINGE,
B2	NEWSTAR LIGHTING	47-R-22-A-A-L2-40-80-1-9-LC3-UN-DM	3,125	25	4000	80	C,R	277		CORRECTIONAL, 2X2' LED, SECURED CEILING, CONCEALED DROP HINGE,
B2E	NEWSTAR LIGHTING	47-R-22-A-A-L2-40-80-1-9-LC3-UN-DM	3,125	25	4000	80	C,R	277	1	CORRECTIONAL, 2X2' LED, SECURED CEILING, CONCEALED DROP HINGE, ON EMERGENCY
B4	NEWSTAR LIGHTING	47-R-24-A-A-L2-40-80-1-9-LC3-UN-DM1	6,250	50	4000	80	C,R	277		CORRECTIONAL, 2X4' LED, SECURED CEILING, CONCEALED DROP HINGE,
B4E	NEWSTAR LIGHTING	47-R-24-A-A-L2-40-80-1-9-LC3-UN-DM1	6,250	50	4000	80	C,R	277	1	CORRECTIONAL, 2X4' LED, SECURED CEILING, CONCEALED DROP HINGE, ON EMERGENCY
C1	NEWSTAR LIGHTING	53M-14-C-L2-40-80C-1C-2-B-UN-DM	6,000	50	4000	80	C,S	277		CORRECTIONAL, 1X4' LED, SURFACE,
C1E	NEWSTAR LIGHTING	53M-14-C-L2-40-80C-1C-2-B-UN-DM	6,000	50	4000	80	C,S	277	1	CORRECTIONAL, 1X4' LED, SURFACE, ON EMERGENCY
C1H	NEWSTAR LIGHTING	53M-14-C-L3-40-80C-1C-2-B-UN-DM	8,625	75	4000	80	C,S	277		CORRECTIONAL, 1X4' LED, SURFACE, HIGH LUMEN OUTPUT
C1HE	NEWSTAR LIGHTING	53M-14-C-L3-40-80C-1C-2-B-UN-DM	8,625	75	4000	80	C,S	277	1	CORRECTIONAL, 1X4' LED, SURFACE, HIGH LUMEN OUTPUT, ON EMERGENCY
C2	NEWSTAR LIGHTING	53M-22-C-L2-40-80C-1C-2-B-UN-DM	3,125	25	4000	80	C,S	277		CORRECTIONAL, 2X2' LED, SURFACE,
C4	NEWSTAR LIGHTING	53M-24-C-L2-40-80C-1C-2-B-UN-DM1	6,250	50	4000	80	C,S	277		CORRECTIONAL, 2X4' LED, SURFACE,
C4E	NEWSTAR LIGHTING	53M-24-C-L2-40-80C-1C-2-B-UN-DM1	6,250	50	4000	80	C,S	277	1	CORRECTIONAL, 2X4' LED, SURFACE,
C4H	NEWSTAR LIGHTING	53M-24-C-L6-40-80C-1C-2-B-UN-DM1	18,000	150	4000	80	C,S	277		CORRECTIONAL, 2X4' LED, SURFACE, HIGH LUMEN OUTPUT, ON EMERGENCY
D4	NEWSTAR LIGHTING	53V-B-L2-40-80C-1C-7-LC3-UN-DM	6,000	50	4000	80	C,S	277		CORRECTIONAL, 15"X4' LED, SURFACE, WEDGE
EX	EXISTING LUMINAIRE								2	
F1	LITHONIA	CPX-1X4-AL07-80CRI-SWW7-SWL-MVOLT-NLTAIR2-APIR	2,450	18	4000	80	C,R	277		1'X4' LED, RECESSED FLAT PANEL W/ PHOTOCELL AND OCCUPANCY SENSOR
F2	LITHONIA	CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT-NLTAIR2-APIR	2,664	19	4000	80	C,R	277		2'X2' LED, RECESSED FLAT PANEL W/ PHOTOCELL AND OCCUPANCY SENSOR
F4	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-NLTAIR2-APIR	4,000	25	4000	80	C,R	277		2'X4' LED, RECESSED FLAT PANEL W/ PHOTOCELL AND OCCUPANCY SENSOR
G	LITHONIA	FEM-L48-4000LM-IMAFD-WD-MVOLT-GZ10-40K-80CRI - SBOR10P	4,000	24	4000	80	S	120/277		1'X4' LED, GASKETED VAPOR TIGHT W/OCCUPANCY SENSOR
H	MARK LIGHTING	S4WID-LLP-96-MSL8-80-40K-400LMF-I80-I40K-I300FT-SCT-MIN10-FLL-DC-MVOLT-WHTT-1EC-ZT	400D / 300I	5 /FT	4000	80	W	120/277	7	5"X4" LED, WALL MOUNT, DIRECT/INDIRECT LINEAR, 96' LONG
RL	RELOCATED LUMINAIRE									
S4	LITHONIA	CLX-L48-5000LM-SEF-WDL-MVOLT-GZ10-40K-80CRI-WH	5,000	32	4000	80	C	277		4' STRIP LIGHT, CEILING OR WALL MOUNT
T6	LITHONIA	WF6-AL019-SWW5-90CRI-MVOLT MW	1,000	10	4000K	90	C,R	UNV		FLAT WAFER, SHOWER LIGHT
V4	NEWSTAR LIGHTING	VIC-4-W-L2-40K-80C-1C-RWC-W-UN	5,100	50	4000	80	C,S	277		10"X4' VANDAL RESISTANCE, WHITE WRAP
V4E	NEWSTAR LIGHTING	VIC-4-W-L2-40K-80C-1C-RWC-W-UN	5,100	50	4000	80	C,S	277	1	10"X4' VANDAL RESISTANCE, WHITE WRAP, ON EMERGENCY
V4EC	NEWSTAR LIGHTING	VIC-4-W-L2-30K-80C-1C-RWC-W-UN-PC-OC	5,100	50	3000	80	C,S	277	1	10"X4' VANDAL RESISTANCE, WHITE WRAP, ON EMERGENCY, W/ PHOTOCELL AND OCCUPANCY SENSOR
V4H	NEWSTAR LIGHTING	VIC-4-W-L3-40K-80C-1C-RWC-W-UN-PC-OC	7,100	75	4000	80	C,S	277	3	10"X4' VANDAL RESISTANCE, WHITE WRAP, HIGH LUMEN, W/ PHOTOCELL AND OCCUPANCY SENSOR
V4HE	NEWSTAR LIGHTING	VIC-4-W-L3-40K-80C-1C-RWC-W-UN	7,100	75	4000	80	C,S	277	1	10"X4' VANDAL RESISTANCE, WHITE WRAP, HIGH LUMEN, ON EMERGENCY
V4V	NEWSTAR LIGHTING	VIC-4-W-L4-40K-80C-1C-RWC-W-UN	10,200	100	4000	80	C,S	277		10"X4' VANDAL RESISTANCE, WHITE WRAP, HIGHER LUMEN
V4VE	NEWSTAR LIGHTING	VIC-4-W-L4-40K-80C-1C-RWC-W-UN	10,200	100	4000	80	C,S	277	1	10"X4' VANDAL RESISTANCE, WHITE WRAP, HIGHER LUMEN, ON EMERGENCY
V4VH	NEWSTAR LIGHTING	VIC-4-W-L5-40K-80C-1C-RWC-W-UN-CU	15,860	120	4000	80	AC	277	4	10"X4' VANDAL RESISTANCE, WHITE WRAP, VERY HIGH LUMEN
V4VHE	NEWSTAR LIGHTING	VIC-4-W-L5-40K-80C-1C-RWC-W-UN-CU	15,860	120	4000	80	AC	277	1,4	10"X4' VANDAL RESISTANCE, WHITE WRAP, VERY HIGH LUMEN, ON EMERGENCY
WE	LITHONIA	WDGE3 LED-PP0-30K-80CRI-RFT-MVOLT-SRM-PIR1FC3V-DDBXD	6,000	41	3000	80	W,S	277	5	ARCHITECTURAL WALL SCONCE, PHOTOCELL AND OCC SENSOR, FORWARD THROW, ON EMERGENCY
X	NEWSTAR LIGHTING	620-SF-LED-277-GW-80C	-	5	GREEN	80	W,S	277	1	CORRECTIONAL, GREEN, LED EXIT SIGN, SINGLE FACE

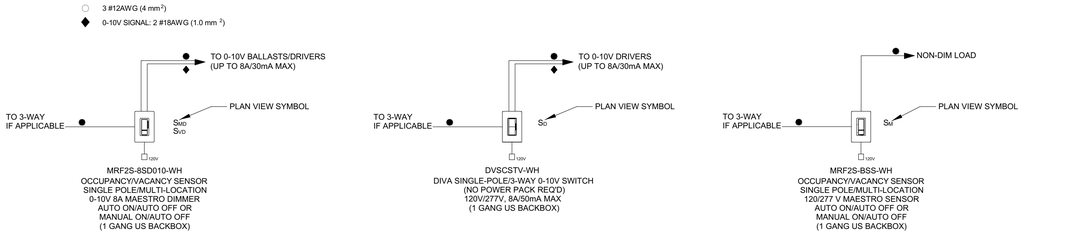
MOUNTING LEGEND		NOTES
C = CEILING	R = RECESSED	1.) ALL LUMINAIRES SHALL BE PROVIDED WITH A MINIMUM 5 YEAR WARRANTY.
S = SURFACE	P = PENDANT	2.) ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED TO BUILDING STRUCTURE ABOVE AS RECOMMENDED BY MANUFACTURER.
W = WALL	B = BOLLARD	
T = TRACK	AC= AIRCRAFT CABLE	

REMARKS

1. CONNECT TO LIFE SAFETY CIRCUIT SHOWN, LUMINAIRE SHALL BE ENERGIZED AS NOTED.
2. LUMINAIRE SHALL BE REMOVED FROM EXISTING CEILING AND RE-INSTALLED UPON NEW CEILING CONSTRUCTION.
3. LUMINAIRE SHALL BE CONNECT TO CIRCUIT SHOWN. CONTROLS ARE INTEGRAL TO LUMINAIRE.
4. 6-FT CORD PRE-WIRED WITH STRAIN RELIEF. EYE-BOLT ON BACK OF LUMINAIRE, ONE ON EACH END.
5. MOUNT AT 16'-0" ABOVE FINISHED GRADE.
6. CONNECT NIGHT LIGHT TO NIGHT LIGHT CIRCUIT.
7. PROVIDE 4' NORMAL/EMERGENCY SECTIONS AS SHOWN ON PLAN VIEW AND WIRE TO DIRECT TO LIFE SAFETY CIRCUIT. NORMAL/EMERGENCY SECTIONS SHALL BE ENERGIZED 24/7



EMERGENCY WIRING DIAGRAM - EMERGENCY LIGHTING CONTROL RELAY



TYPICAL AREA WITH IN-WALL OCCUPANCY SENSOR AND 0-10V DIMMING

TYPICAL AREA WITH ON/OFF AND 0-10V DIMMING

TYPICAL AREA WITH IN-WALL OCCUPANCY SENSOR

GENERAL DEMOLITION NOTES

1. THE FOLLOWING DEFINITIONS APPLY TO THE WORK:
   - A. REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED OR TO REMAIN THE OWNER'S PROPERTY.
   - B. REMOVE AND SALVAGE: ITEMS INDICATED TO BE REMOVED AND SALVAGED MUST BE COVERED, PROTECTED, AND RELOCATED TO THE OWNER'S DESIGNATED STORAGE AREA. IDENTIFY CONTENTS OF ALL REMOVED AND SALVAGED ITEMS.
   - C. REMOVE AND REINSTALL: REMOVE ITEMS INDICATED: CLEAN, SERVICE AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT THEM AGAINST DAMAGE. REINSTALL ITEMS IN THE SAME LOCATIONS OR IN LOCATIONS INDICATED.
   - D. EXISTING TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGED AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY THE OWNER'S REPRESENTATIVE, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.
2. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY ITEMS IDENTIFIED TO BE REMOVED. AT THE BEGINNING OF DEMOLITION WORK THE OWNER'S REPRESENTATIVE SHALL IDENTIFY ALL ITEMS TO BE SALVAGED.
3. DEMOLITION SHALL BE PERFORMED IN AN ORDERLY FASHION. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PROTECT EXISTING FACILITIES FROM DAMAGE DURING CONSTRUCTION.
4. PROTECT ALL ITEMS TO REMAIN IN SERVICE FROM DAMAGE DURING THE DEMOLITION OR REMOVAL PORTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL REVIEW ALL ELECTRICAL DEMOLITION WORK WITH THE OWNER PRIOR TO START OF DEMOLITION WORK.



1 **RECEPTACLE LABELING SAMPLE**
Scale: NONE

EQUIPMENT/DEVICE MOUNTING HEIGHT SCHEDULE

EQUIPMENT/DEVICE	CLEARANCE IN FRONT	MOUNTING HEIGHT	ACCEPTABLE MOUNTING AREA
ELECTRICAL DEVICES			
LUMINAIRE SWITCHES		OPERABLE PART NOT LESS THAN 42", NOT MORE THAN 48"	
RECEPTACLES		18" A.F.F. TO CENTER OF DEVICE	
TELECOM. OUTLETS		18" A.F.F. TO CENTER OF DEVICE	

NOTE:

INDIVIDUAL RECEPTACLE & TELECOMMUNICATION DATA OUTLET MOUNTING HEIGHT REQUIREMENTS SHALL BE COORDINATED WITH OWNER, EQUIPMENT, AND FURNITURE TO BE INSTALLED. THIS SHALL SUPERCEDE MOUNTING HEIGHTS LISTED WITHIN ABOVE TABLE.

LEGEND

LIGHTING

- A, S-ALZ#, PP1-3# — LUMINAIRE TYPE
  SWITCHING ZONE, IF NONE CONNECT TO ALL LUMINAIRES IN THE ROOM
  LUMINAIRE, TYPE AS INDICATED ON PLAN. REFER TO E7.1 FOR SCHEDULE CONNECT TO CIRCUITS SHOWN ON PLAN.
  LUTRON ZONE, IF APPLICABLE
- AE, NE-2, E,S-ALZ#, NE-1 — LUMINAIRE TYPE, E=EMERGENCY
  NORMAL/EMERGENCY LUMINAIRE, TYPE AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE REMARKS OR PLAN VIEW KEYED NOTES FOR WIRING/CONTROL INFORMATION
  LUTRON ZONE, IF APPLICABLE
  N/E CIRCUIT
- DOWNLIGHT. TYPE AS INDICATED ON PLANS. CONNECT TO CIRCUITS SHOWN ON PLAN.
- X, LS-# — WALL MOUNTED EXIT SIGN, TYPE AS INDICATED ON PLANS. CONNECT TO UNSWITCHED SOURCE OF LS CIRCUIT.
- $ — SINGLE POLE SWITCH.
- $3 — THREE WAY SWITCH
- $K — KEYED SWITCH
- $K3 — KEYED SWITCH
- $MO,# — IN-WALL, MOTION SENSOR W/ 0-10V DIMMING
  LUTRON: MRF2S-8SD010-WH, CONNECT 0-10V DIMMING WIRE TO ALL LOCAL LUMINAIRES IN ROOM OR AREA NOTED. REFER TO THIS DRAWING FOR MORE INFORMATION.
- $M,# — IN-WALL, ON/OFF W/ OCCUPANCY SENSOR
  LUTRON: MRF2S-8SS-WH, CONNECT TO LOCAL LUMINAIRES IN ROOM OR AREA NOTED. REFER TO THIS DRAWING FOR MORE INFORMATION.
- $D,# — IN-WALL, ON/OFF W/ 0-10V DIMMING
  LUTRON: DVSCSTV, CONNECT 0-10V DIMMING WIRE TO ALL LOCAL LUMINAIRES IN ROOM OR AREA NOTED. REFER TO THIS DRAWING FOR MORE INFORMATION.

SWITCH ID, CONNECT TO CORRESPONDING LUMINAIRES. BLANK CONNECT TO LOCAL LUMINAIRES IN THE SAME ROOM OR SAME AS LUMINAIRE TYPE. TYPICAL FOR ALL SWITCHES.

- CORNER MOUNTED WALL OR CEILING WIRELESS MOTION SENSOR, LUTRON:LRF2-OWLB-P-WH, PAIR TO LOCAL CONTROL MODULE OR CONTROL MODULES NOTED, MOUNT AT 8'-0" A.F.F.
- OS — CEILING MOUNTED WIRELESS MOTION SENSOR, LUTRON: LRF2-OCR2B-P-WH,PAIR TO LOCAL CONTROL MODULE OR CONTROL MODULES NOTED

POWER

- ELECTRICAL PANELBOARD
- J — NEW JUNCTION BOX, PROVIDE AS NOTED
- RP2A-3, RP — NEW 20A, 120VAC, DUPLEX RECEPTACLE, PROVIDE TYPED LABEL ON EACH RECEPTACLE COVERPLATE W/PANELBOARD NAME AND CIRCUIT NUMBER. SAMPLE 'RP4-23'. CLEAR LABEL W/ BLACK LETTER, 3/32" HIGH. CONNECT TO CIRCUIT SHOWN.

  NO DENOTE = NEW OUTLET AT 18",
  AC = NEW OUTLET, MOUNT 8" ABOVE COUNTER TOP
  ## = HEIGHT ABOVE FINISH FLOOR
  TV = MOUNTED AT TV HEIGHT
  GFI = GROUND FAULT CIRCUIT INTERRUPTER.
  USB = TAMPER-RESISTANT W/ USB A / C PORTS, MOUNT ABOVE COUNTER TOP. LEGRAND #R26USBACBK
  WP = WEATHER-PROOF WHILE-IN-USE, LOCKABLE ENCLOSURE, W/ GFCI WEATHER RESISTANT RECEPT, MOUNT AT 18" A.F.F.
- PP-2-3 H, NEMA #-##R, ## — NEW NEMA TYPE RECEPTACLE SHOWN, PROVIDE NEMA TYPE RECEPTACLE AS NOTED ON PLAN VIEW OR WIREMOLD DETAILS. PROVIDE TYPED LABEL ON EACH RECEPTACLE COVERPLATE W/PANELBOARD NAME AND CIRCUIT NUMBER. CLEAR LABEL W/ BLACK LETTER, 3/32" HIGH. CONNECT TO CIRCUIT SHOWN.
- # / # — REPRESENTS MECHANICAL OR PLUMBING EQUIPMENT PROVIDED BY OTHERS. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

DATA

- #/## — DATA OUTLET, MOUNTED AT 18" AFF. UNLESS OTHERWISE NOTED. PROVIDE SINGLE GANG J-BOX W/ QUAD PORT FACEPLATE, ONE SINGLE BLANK, 1" CONDUIT TO ABOVE CEILING SPACE WITH THREE PLENUM RATED CAT 6A CABLES NOTED FROM LOCATION TO DATA CLOSET; UNLESS OTHERWISE NOTED. PROVIDE CAT 6A RJ45 JACKS AND COVER PLATE. TERMINATE CAT 6A CABLING ON PATCH PANEL. CONTRACTOR SHALL TEST AND TERMINATE ON BOTH ENDS. STATION LABELS MUST MATCH PATCH PANEL. UNLESS NOTED OTHERWISE; PROVIDE QUANTITY OF THREE CAT 6A CABLES AT EACH LOCATION SHOWN ON PLAN VIEWS. REFER TO SPECIFICATIONS FOR MORE INFORMATION:

  NO DENOTE=NEW OUTLET AT MOUNTED 18",
  # = NUMBER OF OUTLETS
  ##" = HEIGHT ABOVE FINISH FLOOR
  AC = NEW OUTLET, MOUNT 8" ABOVE COUNTER TOP
  P = WALL PHONE, W/ ONE CAT 6A CABLE
  EX = EXISTING DROP, REPLACE WITH THREE CAT 6A CABLING
  TV = MOUNTED AT TV HEIGHT.
  VC = VIDEO COURT, MOUNT INSIDE SECURE VIDEO ENCLOSURE (PROVIDED BY OTHERS)
- WAP — WIRELESS ACCESS POINT (WAP), PROVIDE DOUBLE GANG MOUNTED BOX TO SOLID CEILING, ROUTE ONE PLENUM CAT 6A CABLE FROM LOCATION TO DATA CLOSET. TERMINATE TO ASSOCIATED WAP PATCH PANEL,

  NO DENOTE = COUNTY, WIRELESS ACCESS POINT
  SD = SCHOOL DISTRICT, WIRELESS ACCESS POINT
  MED = MEDICAL, WIRELESS ACCESS POINT

FIRE ALARM

- F — FIRE ALARM SYSTEM PULL STATION
- AM — FIRE ALARM SYSTEM ADDRESSABLE INTERFACE MODULE
- F V — FIRE ALARM SYSTEM VISUAL DEVICE
- F AV — FIRE ALARM SYSTEM AUDIO/VISUAL DEVICE

GENERAL ELECTRICAL NOTES

1. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER, 2#12 & 1#12 GRD., 3/4" CONDUIT, 1" CONDUIT UNDERGROUND (PVC) OR WITHIN FLOOR, UNLESS NOTED OTHERWISE. PROVIDE SEPARATE NEUTRALS AND SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. TERMINATE EACH GROUNDING CONDUCTOR ON A GROUNDING LUG, BUS, OR BUSHING. ALL BRANCH CIRCUIT WIRING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL COORDINATE ACTUAL CIRCUIT ROUTING WITH OTHER TRADES AND BUILDING CONSTRUCTION. ALL NEW EMERGENCY WIRING FOR LUMINAIRES AND EXIT SIGNS SHALL BE 2 #10 & 1 #10 GRD., 3/4" CONDUIT. EXPOSED CONDUITS SHALL BE SEALED WITH PICK RESISTANT SEALANT WHERE NOTED.
2. SEAL ALL CONDUIT PENETRATIONS THROUGH WALLS WITH APPROPRIATE SEALANT. PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH A FIRE RATED SEALANT THAT IS EQUAL OR BETTER THAN THE FIRE RATED MATERIAL THROUGH WHICH IT PASSES. PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED WATER-TIGHT.
3. ALL NEW WIRING SHALL BE ROUTED CONCEALED WITHIN WALLS OR CEILING SPACE IN NEWLY CONSTRUCTED AREA. ELECTRICAL & MECHANICAL ROOMS SHALL BE EXPOSED (UNLESS NOTED OTHERWISE). PROVIDE PULL BOXES AT LOCATIONS NEEDED, AND ADEQUATELY SIZED AS REQUIRED FOR THE EQUIPMENT SERVED.
4. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT/DEVICE REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED EQUIPMENT & TERMINATIONS TO EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
5. COORDINATE ALL POWER OUTAGES WITH THE OWNER PRIOR TO START OF WORK. PROVIDE TEMPORARY POWER FOR BUILDING SERVICE, CRITICAL LOADS, LIGHTING AND MISCELLANEOUS POWER REQUIREMENTS FOR THE CONSTRUCTION AREA. PROVIDE GROUND FAULT PROTECTION FOR TEMPORARY POWER. TEMPORARY FEEDER AND BRANCH CIRCUIT CONDUIT & WIRING SHALL BE PROVIDED TO KEEP CRITICAL LOADS OPERATIONAL DURING CONSTRUCTION. TEMPORARY CONDUIT & WIRING SHALL MATCH EXISTING CONDUIT & WIRING CURRENTLY SERVING CRITICAL LOADS IN ACCORDANCE WITH NEC REQUIREMENTS.
6. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED, AND SHALL MEET THE REQUIREMENTS OF BOTH THE NATIONAL ELECTRICAL CODE (NEC EDITION YEAR IN PLACE AT THE TIME OF THE DRAWING'S ISSUANCE, ARTICLE 250), AND THE EQUIPMENT/SYSTEM MANUFACTURER'S REQUIREMENTS FOR TYPES, SIZES, AND QUANTITIES OF EQUIPMENT GROUNDING CONDUCTORS, EXCEPT WHERE SPECIFIC TYPES, LARGER SIZES, OR MORE CONDUCTORS THAN REQUIRED BY NEC ARE INDICATED. .
7. THE INSTALLATION OF LIGHTING LUMINAIRES SHALL BE COORDINATED WITH THE ARCHITECT AND LUMINAIRE MANUFACTURER'S REQUIREMENTS PRIOR TO INSTALLATION. LUMINAIRE LOCATIONS AS DESIGNATED ON THE LIGHTING PLANS ARE DIAGRAMMATIC. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC DIMENSIONS AND LUMINAIRE FINAL LOCATIONS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MOUNTING AND SUPPORT HARDWARE FOR A COMPLETE AND WORKING INSTALLATION .
8. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK, NOTIFY THE ENGINEER OF ANY SIGNIFICANT CHANGES IN DIMENSIONS AND CONDITIONS.
9. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT, AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS MAY BE NECESSARY TO COMPLETE THE SCOPE OF THE WORK DEFINED IN THE CONTRACT DOCUMENTS.
10. FABRICATE AND INSTALL ALL WORK IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INTERNATIONAL BUILDING CODE (IBC), AMERICANS WITH DISABILITIES ACT (ADA), NECA STANDARD OF INSTALLATION, OSHA, ALL APPLICABLE STATE AND LOCAL CODES, GENERAL CONDITIONS AND SUPPLEMENTAL TERMS OF THE CONTRACT. ALL EQUIPMENT SHALL BE UNDERWRITERS LABORATORIES (U.L.) LISTED FOR ITS APPLICATION WHERE SUCH ITEMS ARE REQUIRED.
11. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATION WITH OTHER TRADES, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY AND SECURITY WHILE ON SITE.
12. PROTECT EXISTING PROPERTY DURING CONSTRUCTION. REPAIR OR REPLACE, WITHOUT ADDITIONAL CHARGE TO THE OWNER, ANY EXISTING WORK DAMAGED DURING THE COURSE OF CONSTRUCTION.
13. THE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY, IN A GENERAL WAY, THE SCOPE OF THE WORK. THEY ARE NOT INTENDED TO ILLUSTRATE ALL CONDITIONS WHICH MAY BE ENCOUNTERED AT THE SITE.
14. REFER TO ARCHITECTURAL BUILDING PLANS FOR PROPER DIMENSIONS.
15. PUSH-ON WIRE CONNECTORS, OTHER THAN FOR LUMINAIRE DISCONNECTS, SHALL NOT BE ALLOWED.
16. ALL GENERAL USE RECEPTACLES SHALL BE INSTALLED AT 18 INCHES ABOVE FINISHED FLOOR AND SHALL BE RATED 20A, 125V, NEMA 5-20R, U.L. LISTED, UNLESS NOTED OTHERWISE. COORDINATE LOCATION OF RECEPTACLES WITH OTHER DEVICES AND TELECOMMUNICATIONS OUTLETS IN ROOM. SPECIFIC EQUIPMENT & DEVICE RECEPTACLE MOUNTING HEIGHTS WITH EQUIPMENT & DEVICES TO BE INSTALLED. (EXAMPLE: PROJECTORS AND AUDIO/VISUAL EQUIPMENT)
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING ASSOCIATED WITH THE INSTALLATION AND REMOVAL OF ELECTRICAL EQUIPMENT. PROVIDE PATCHING & PAINTING AS REQUIRED TO ROUTE CONDUIT THROUGH FINISHED AREAS. PATCHING & PAINTING SHALL MATCH ADJACENT SURFACES
18. CIRCUIT BREAKERS PROVIDED WITHIN EXISTING PANELBOARDS SHALL BE COMPATIBLE WITH PANELBOARD AND SHALL HAVE THE INTERRUPTING CAPACITY TO MEET THE AVAILABLE FAULT CURRENTS OF THE EXISTING EQUIPMENT.
19. RECEPTACLE LABELING: ALL RECEPTACLES SHALL BE LABELED WITH SELF-ADHESIVE CLEAR LABELS WITH 3/32" BLACK LETTERING ON THE FRONT COVERPLATE OF THE RECEPTACLE. RECEPTACLE LABELING SHALL IDENTIFY PANEL NAME AND CIRCUIT NUMBER FROM WHERE IT IS SERVED (EXAMPLE: RPG2-13).
20. PROVIDE A POWER SYSTEM STUDY CONSISTING OF SHORT CIRCUIT, EQUIPMENT DUTY, COORDINATION, AND ARC FLASH HAZARDS ANALYSES FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL DATA NECESSARY FOR PROPER COMPLETION OF THE STUDIES.
21. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETELY COORDINATED EQUIPMENT. ALL EQUIPMENT MUST BE ADEQUATELY RATED FOR THE AVAILABLE FAULT CURRENTS AT THE INSTALLATION LOCATION. ENSURE POWER SYSTEM STUDY AND SHOP DRAWINGS FOR ELECTRICAL DISTRIBUTION EQUIPMENT ARE SUBMITTED AT THE SAME TIME FOR REVIEW BY THE ENGINEER OF RECORD.
22. PROVIDE A LABEL ON ALL SERVICE EQUIPMENT STATING THE MAXIMUM AVAILABLE FAULT CURRENT AS CALCULATED BY THE POWER SYSTEM STUDY. THE LABEL SHALL ALSO DISPLAY THE DATE THE CALCULATION WAS PERFORMED.
23. ALL EXPOSED SURFACE MOUNTED CONDUIT (POWER AND DATA) INSTALLED IN EXISTING AREAS OF THE BUILDING WHERE DETENTION AND SHELTER OCCUPANTS HAVE ACCESS SHALL BE RIGID GALVANIZED STEEL (RGS) W/ THREADED FITTINGS. CAULK BETWEEN WALL AND CONDUIT BODY, FITTINGS, AND SUPPORTS WITH PICK RESISTANT SECURITY SEALANT. ALL RACEWAYS SHALL BE CONCEALED IN NEW CONSTRUCTION.
24. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
25. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT DESIGNATIONS, SCHEDULES, AND ASSOCIATED ELECTRICAL POWER REQUIREMENTS.
26. CONTR

SYMBOLS, NOTES, AND ABBREVIATIONS FOR ELECTRONIC SECURITY

ELECTRONIC SECURITY SYSTEM SYMBOLS:

(ALL SYMBOLS ARE TYPICAL UNLESS NOTED OTHERWISE; NOT ALL SYMBOLS USED.)

MOUNTING HEIGHT	SYMBOLS	DESCRIPTION
COOR. WITH DOOR HARDWARE SCHEDULE	EXISTING D x NEW D x	CONTROLLED AND MONITORED DOOR. COORDINATE WITH DOOR HARDWARE SCHEDULE. SUBSCRIPT "X" IS AS FOLLOWS: EXISTING: E = EXISTING CONTROLLED DOOR TO BE INTEGRATED WITH NEW PLC BASED CONTROL SYSTEM. ER = EXISTING CONTROLLED DOOR WITH ELECTRONIC LOCK. RECONNECT DOOR LOCK TO EXISTING CABLES NW = EXISTING CONTROLLED DOOR WITH ELECTRONIC LOCK. PROVIDE NEW CABLE FROM THE LOCAL EQUIPMENT ROOM AND CONNECT TO THE EXISTING LOCK NEW: R = EXISTING CONTROLLED DOOR WITH EXISTING CABLING. PROVIDE NEW ELECTRONIC LOCK TO REPLACE BROKEN OR MISSING LOCK N = NEW ELECTRONICALLY CONTROLLED LOCK IN A NEW LOCATION. PROVIDE ALL NEW HARDWARE, CABLING, AND PATHWAYS TO THE LOCAL EQUIPMENT ROOM
COOR. WITH DOOR HARDWARE SCHEDULE	G x	EXISTING CONTROLLED AND MONITORED GATE. NEW GATE OPERATOR AND HARDWARE SHALL BE PROVIDED AS DESCRIBED IN THE GATE HARDWARE SCHEDULE. PROVIDE NEW CABLNIG TO THE GATE OPERATOR AND INTEGRATE TO THE ACCESS CONTROL SYSTEM.SUBSCRIPT "X" IS AS FOLLOWS: N = NEW
COOR. WITH DOOR HARDWARE SCHEDULE		NEW DOOR POSITION SWITCH (DPS). COORDINATE WITH DOOR HARDWARE SCHEDULE.
COOR. WITH DOOR HARDWARE SCHEDULE		NEW DELAYED EGRESS. COORDINATE WITH DOOR HARDWARE SCHEDULE.
IN DOOR	WL	NEW WIRELESS LOCK WITH BUILT IN CARD READER. PROVIDE INTEGRATION TO THE ACCESS CONTROL SYSTEM THROUGH WIRELESS GATEWAY.
36"-48" AFF. TOP, FLUSH MOUNT	CR x	NEW CARD READER IN NEW LOCATION. PROVIDE ALL NEW HARDWARE, CABLING, AND PATHWAYS TO THE LOCAL EQUIPMENT ROOM. SUBSCRIPT "X" DENOTES SPECIAL FUNCTIONS AS FOLLOWS: WP = WEATHERPROOF
CEILING	WGW	NEW WIRELESS GATEWAY FOR WIRELESS LOCKS AND READERS.
36"-48" AFF. TOP, FLUSH MOUNT	EXISTING IC x NEW IC x	INTERCOM SUBSTATION SUBSCRIPT "X" IS AS FOLLOWS: EXISTING: E = EXISTING INTERCOM STATION TO REMAIN NW = EXISTING INTERCOM STATION TO REMAIN. PROVIDE NEW CABLE FROM THE LOCAL EQUIPMENT ROOM AND CONNECT TO THE EXISTING STATION. NEW: R = REPLACE EXISTING INTERCOM STATION WITH NEW. REUSE EXISTING CABLING. N = NEW INTERCOM STATION IN A NEW LOCATION. PROVIDE ALL NEW HARDWARE, CABLING, AND PATHWAYS TO THE LOCAL EQUIPMENT ROOM.
WALL	P x	PUBLIC ADDRESS SPEAKER SUBSCRIPT "X" IS AS FOLLOWS: N = NEW SPEAKER IN NEW LOCATION. PROVIDE ALL NEW HARDWARE, CABLING, AND PATHWAYS TO THE LOCAL EQUIPMENT ROOM. R = REPLACE EXISTING SPEAKER WITH NEW. PROVIDE NEW CABLING IN EXISTING PATHWAY.
WALL		NEW DURESS BUTTON
CLG INTERIOR: 12" BFC UON	xx	NEW CEILING MOUNTED FIXED CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
EXTERIOR: 18" BELOW ROOF LINE	xx	NEW WALL MOUNTED FIXED CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
POLE	xx	NEW POLE MOUNTED FIXED CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
CORNER	xx	NEW CORNER MOUNTED FIXED CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
WALL	xx	NEW WALL MOUNTED 180/360 CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
CLG	xx	NEW CEILING MOUNTED 360 CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
CORNER	xx	NEW CORNER MOUNTED MULTI-IMAGER CAMERA. REFER TO THE SUBSCRIPT DEFINITIONS BELOW.
SUBSCRIPTS DEFINITIONS FOR ALL CAMERA SYMBOLS		CAMERA SUBSCRIPT "XX" DENOTES CAMERA NUMBER, ADDITIONAL CAMERA SUBSCRIPTS DENOTE SPECIAL FUNCTION AS FOLLOWS: WP = WEATHER PROOF F = FUTURE CAMERA LOCATION. PROVIDE CATEGORY CABLE INSTALLED FROM THE LOCAL EQUIPMENT ROOM PATCH PANEL TO CAMERA LOCATION. PROVIDE A MINIMUM OF 20' OF SLACK ON THE CABLE AT CAMERA END
		INTERLOCKED DOORS
DESK	SDS	NEW WATCH TOUR DOCKING STATION
WALL		NEW WATCH TOUR TOUCH POINT
WALL	ACP	NEW ACCESS CONTROL PANEL
WALL	ICP	EXISTING INTERCOM EQUIPMENT RACK
WALL	PLC	EXISTING PLC ENCLOSURE WITH EXISTING DOOR LOCK RELAYS TO REMAIN

ELECTRONIC SECURITY SYSTEM SYMBOLS:

(ALL SYMBOLS ARE TYPICAL UNLESS NOTED OTHERWISE; NOT ALL SYMBOLS USED.)

MOUNTING HEIGHT	SYMBOLS	DESCRIPTION
WALL	xx	NEW EQUIPMENT RACK SUBSCRIPT "X" IS AS FOLLOWS: ES = ELECTRONIC SECURITY SYSTEMS RACK IT = TELE/DATA RACK BR = YOUTH BEDROOM RADIO SYSTEM RACK
WALL	xx	NEW WALL EQUIPMENT RACK SUBSCRIPT "X" IS AS FOLLOWS: ES = ELECTRONIC SECURITY SYSTEMS RACK IT = TELE/DATA RACK

ABBREVIATIONS:

ACP	- ACCESS CONTROL PANEL	HDMI	- HIGH DEFINITION MULTIMEDIA INTERFACE	SES	- SECURITY ELECTRONIC SYSTEMS CONTRACTOR
ACS	- ACCESS CONTROL SYSTEM	HT	- HEIGHT	SMF	- SINGLE MODE FIBER
AFC	- ABOVE FINISHED CEILING	IDF	- INTERMEDIATE DISTRIBUTION FRAME	TC	- TELECOMMUNICATION SYSTEMS
AFF	- ABOVE FINISHED FLOOR	IP	- INTERNET PROTOCOL	TEL	- TELEPHONE
AFG	- ABOVE FINISHED GRADE	I/O	- INPUT/OUTPUT	TMH-X	- MAN HOLE FOR TELEPHONE/ COMMUNICATIONS SAFETY SYSTEMS; X - DENOTES A SUBSCRIPT
AMT	- ASSET MANAGEMENT TRANSCEIVER	LAN	- LOCAL AREA NETWORK	TYP	- TYPICAL
APPROX.	- APPROXIMATE	LED	- LIGHT EMITTING DIODE	UON	- UNLESS OTHERWISE NOTED
BFC	- BELOW FINISHED CEILING	LCD	- LIQUID CRYSTAL DISPLAY	UPS	- UNINTERRUPTABLE POWER SUPPLY
C	- CONDUIT	LPS	- LOCK POWER SUPPLY	UTP	- UNSHIELDED TWISTED PAIR
CCTV	- CLOSED CUIRCUIT TELEVISION	MDF	- MAIN DISTRIBUTION FRAME	VA	- VEHICLE ACCESS GATE
CLG	- CEILING	MH	- MAN HOLE	VAC	- VOLTS ALTERNATING CURRENT
CPU	- CENTRAL PROCESSING UNIT	MMF	- MULTIMODE FIBER	VGA	- VIDEO GRAPHICS ARRAY
DDC	- DIRECT DIGITAL CONTROL	N/A	- NOT APPLICABLE	VPN	- VIRTUAL PRIVATE NETWORK
DHWC	- DOOR HARDWARE CONTRACTOR	NIC	- NOT IN CONTRACT	VSIN	- VIDEO SURVEILLANCE/CCTV, INTERCOM AND PAGING SYSTEMS POLE. LABEL N - DENOTES AN IDENTIFICATION NUMBER.
DP	- DISPLAYPORT (DIGITAL VIDEO)	NTSC	- NATIONAL TELEVISION SYSTEM COMMITEE	VSS	- VIDEO SURVEILLANCE SYSTEM
DPS	- DOOR POSITION SWITCH	OSP	- OUTSIDE PLANT	W/	- WITH
E	- EXISTING TO REMAIN	PA	- PUBLIC ADDRESS SYSTEM	WAN	- WIDE AREA NETWORK
EC	- ELECTRICAL CONTRACTOR	PBX	- PRIVATE BRANCH EXCHANGE	WS	- WORK STATION, TYPICAL FOR DATA COMMUNICATION
EPN	- EXPANSION PORT NETWORK	POE	- POWER OVER ETHERNET		
FACP	- FIRE ALARM CONTROL PANEL	PRT	- PRINTER		
FAM	- FIRE ALARM MONITORING SYSTEM	PTZ	- PAN/TILT/ZOOM		
FOPP	- FIBER OPTIC PATCH PANEL	RF	- RADIO FREQUENCY		
FURN	- FURNITURE				

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL WORK SHOWN AND/OR DESCRIBED IN THE CONTRACT DOCUMENTS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPROVED COORDINATION DRAWINGS DEVELOPED BY THE CONTRACTOR PER DIVISION 1 REQUIREMENTS. THE COORDINATION DRAWINGS SHALL IDENTIFY RELATIONSHIPS BETWEEN UTILITIES, INFRASTRUCTURE, WORK OF OTHER TRADES, STRUCTURES, GRADING AND SITE COORDINATES.
3. THE CONTRACTOR SHALL PROVIDE QUALITY CONTROL, USING APPROVED CERTIFICATION METHODS, PRIOR TO REQUESTING ACCEPTANCE BY THE OWNER.
4. PROVIDE ALL CONDUIT WHETHER IN USE OR SPARE, UNLESS SPECIFICALLY NOTED AS "FUTURE" OR "NOT IN CONTRACT." REFER TO SYSTEM DRAWINGS AND CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ALL CONDUITS SHALL BE MINIMUM 3/4" DIAMETER UNLESS OTHERWISE NOTED OR REQUIRED BY CODE IN ORDER TO CONTAIN THE QUANTITIES AND SIZES OF CABLING. ALL CONDUIT BENDING SHALL HAVE A MINIMUM OF "6X CONDUIT DIAMETER" RADIUS. COORDINATE AND PROVIDE ALL REQUIRED INFRASTRUCTURE TO MEET NEC REQUIREMENTS.
5. COORDINATE AND PROVIDE INFRASTRUCTURE FOR ALL SYSTEMS AS REQUIRED. REFER TO FLOOR PLANS DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS.
6. STAGING AREAS FOR UTILITIES AND OTHER CONSTRUCTION MATERIALS SHALL BE COORDINATED AS SPECIFIED BY THE OWNER AND AS REQUIRED BY SITE CONDITIONS.
7. TYPICALLY, THE SITE WORK SHOWN ON THESE TECHNOLOGY CONTRACT DRAWINGS REFLECTS COORDINATION WITH RELATED TRADE REQUIREMENTS. THE RELATIONSHIP OF THESE ELEMENTS TO THE SITE AND GRID ARE PROPORTIONAL ONLY AND SHALL NOT BE CONSTRUED TO PERMIT MEASURED TAKE-OFFS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL ELECTRONIC SECURITY DOOR LOCKING HARDWARE INCLUDED IN THIS PROJECT WITH THE HARDWARE SUPPLIER AND GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE TECHNOLOGY CONTRACTOR TO PROVIDE ALL REQUIRED INFRASTRUCTURE NOT SUPPLIED BY AND A PART OF THE DOOR HARDWARE SCHEDULE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL INFRASTRUCTURE REQUIREMENTS FOR INFRASTRUCTURE AND SYSTEMS PROVIDED.
10. ACCESS PANELS IN WALLS AND CEILINGS FOR PURPOSES OF MAINTENANCE AND ADJUSTMENT OF EQUIPMENT SHALL BE PROVIDED, AS REQUIRED, IN ACCORDANCE WITH SPECIFICATIONS.
11. ALL OUTLETS SHALL BE INSTALLED AT 18" ABOVE FINISHED FLOOR TO MATCH ELECTRICAL RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED.
12. THE TELE/DATA BACKBOXES SHALL BE GALVANIZED STEEL WITH MOUNTING HOLES AND CONDUIT KNOCKOUT OPENINGS ON TOP, BOTTOM, AND SIDES, AND WITH COVER SCREWS. THE BOXES S HALL BE A MINIMUM 4"X2"X 2" DEEP BACKBOX WITH MUDRING.
13. THE AUDIO/VIDEO BACKBOXES SHALL BE GALVANIZED STEEL WITH MOUNTING HOLES AND CONDUIT KNOCKOUT OPENINGS ON TOP, BOTTOM, AND SIDES, AND WITH COVER SCREWS. THE BOXES SHALL BE A MINIMUM OF 4" SQUARE BY 2-5/8" DEEP OR AS REQUIRED.
14. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED BACKBOXES AND TRIM RINGS.

GROUNDING AND SURGE PROTECTION:

1. PROVIDE GROUNDING BUS IN EACH EQUIPMENT ROOM AND IN EACH CONSOLE. ALL EQUIPMENT GROUNDS SHALL BE CONNECTED IN A STAR CONFIGURATION TO THE MAIN BUILDING GROUND SYSTEM WITH CODE COMPLIANT COPPER GROUNDING CONDUCTORS NO SMALLER THAN #4 AWG. PROVIDE GROUNDING AND LIGHTNING PROTECTION FOR DEVICES INSTALLED OUTDOORS. COORDINATE WITH THE ELECTRICAL CONTRACTOR.

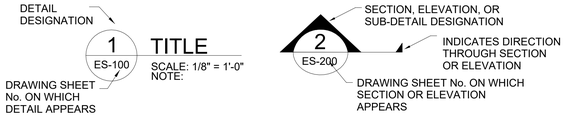
DEFINITIONS:

1. THE SCOPES OF WORK FOR THIS PROJECT SHALL BE BROKEN DOWN INTO THREE TYPES OF TASKS - FURNISH, INSTALL, AND CONFIGURE. FOR THESE PURPOSES, THE TASKS SHALL BE DEFINED AS FOLLOWS:
   - A. FURNISH - PURCHASE AND SUPPLY THE NOTED ITEM, INCLUDING ALL REQUIRED POWER SUPPLIES AND OTHER ACCESSORIES REQUIRED FOR FULL FUNCTIONALITY AND AS RECOMMENDED BY THE MANUFACTURER.
   - B. INSTALL - PHYSICALLY FIX THE NOTED ITEM INTO PLACE ACCORDING TO THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S RECOMMENDATIONS. THIS SHALL INCLUDE MOUNTING, FASTENING, WIRING/CABLING, POWERING, PHYSICAL ADJUSTING, CLEANING, FINISHING, AND PARTICIPATING IN TESTING.
   - C. CONFIGURE - PROGRAM, INTEGRATE, TEST, AND ADJUST THE ITEM AS REQUIRED BY THE CONTRACT DOCUMENTS, THE BASIS OF DESIGN, AND THE MANUFACTURER'S RECOMMENDATIONS TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
   - D. WHERE A SINGLE ENTITY IS RESPONSIBLE FOR ALL OF THESE TASKS, THE TASKS SHALL BE GROUPED TO BE REFERENCED AS "PROVIDE." REFER TO THE SPECIFICATIONS FOR ADDITIONAL DETAILS.

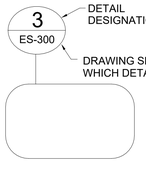
GENERALIZED DESCRIPTION OF WORK:

1. THE CONTRACTOR SHALL PROVIDE ALL INFRASTRUCTURE REQUIRED FOR ALL ITEMS AS SHOWN ON AND DESCRIBED BY THE CONTRACT DOCUMENTS. INFRASTRUCTURE SHALL INCLUDE BUT NOT BE LIMITED TO CONDUIT, JUNCTION BOXES, BACK BOXES, CABLE TRAY, J-HOOKS, PENETRATIONS, AND ALL REQUIRED ACCESSORIES. THE CONTRACTOR SHALL BE FAMILIAR WITH THE MANUFACTURERS' INSTALLATION MANUALS FOR EACH ITEM SO AS TO ENSURE THAT ALL APPROPRIATE INFRASTRUCTURE IS PROVIDED.
2. REFER TO THE SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS. REFER TO THE DIVISION 26 SPECIFICATIONS FOR DETAILS AND REQUIREMENTS FOR CONDUITS, PENETRATIONS, AND BOXES.
3. THE OWNER AND THE DESIGN PROFESSIONAL SHALL INSPECT THE COMPLETED INSTALLATIONS FOR COMPLETE FUNCTIONALITY AND WORKMANSHIP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATION OF ANY ISSUES DISCOVERED AS THEY PERTAIN TO WORK PERFORMED BY THE CONTRACTOR.

DETAIL IDENTIFICATION LABELS:



DETAIL AND DIAGRAM SYMBOLS:



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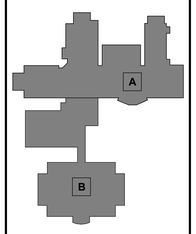

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

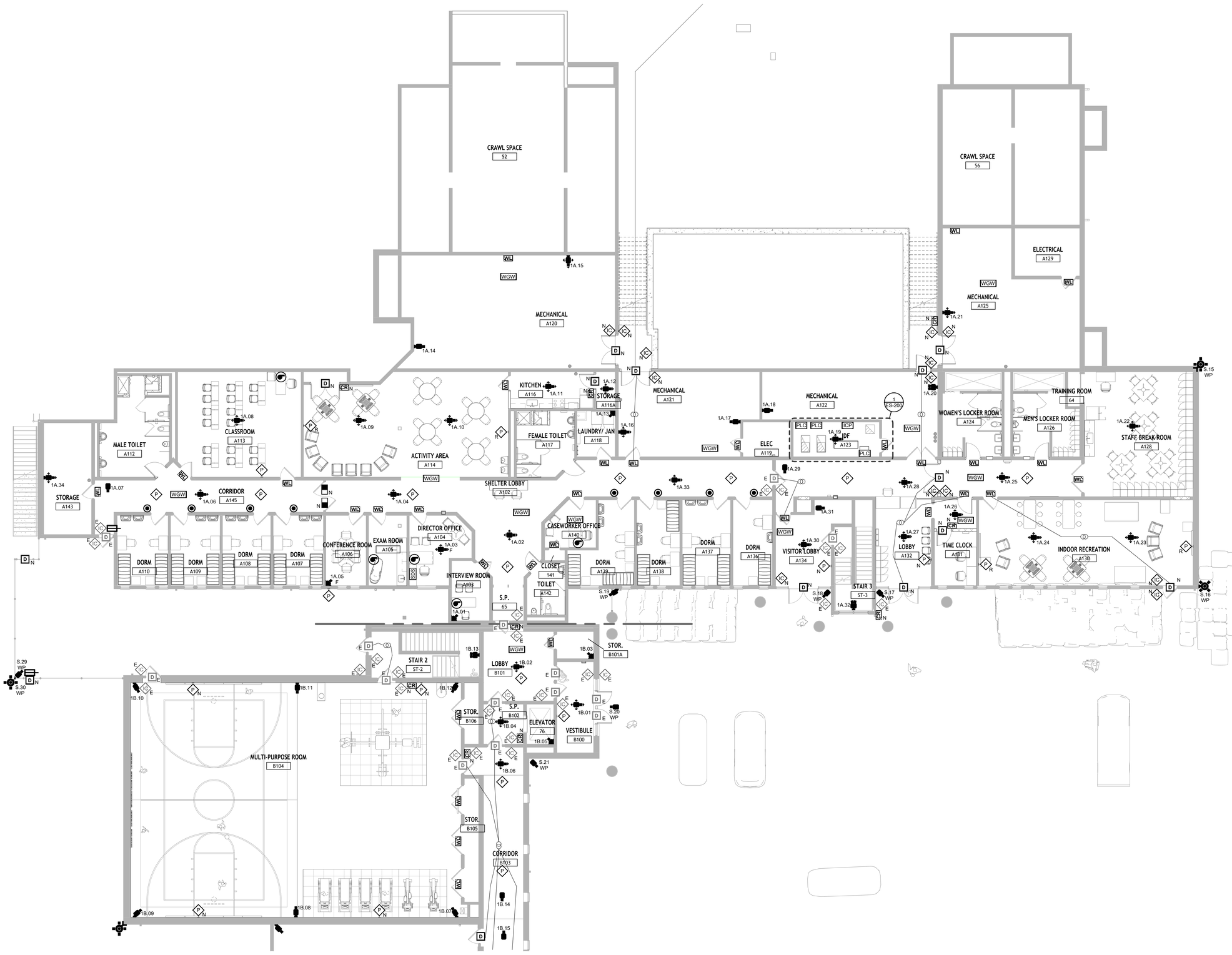
SYMBOLS, NOTES, AND ABBREVIATIONS

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-001
Drawn By: LAH	Checked By: JMD

10/2/2026 12:34:48 PM

SHEET NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE LOCATIONS WITH EXISTING FIELD CONDITIONS.
2. CONTRACTOR SHALL PROVIDE EQUIPMENT AND QUANTITIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. CONTRACTOR SHALL REFER TO "E" SERIES DRAWINGS FOR ELECTRICAL AND UPS REQUIREMENTS.



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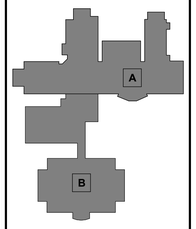

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LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

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FIRST FLOOR PLAN - AREA A

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-100
Drawn By: LAH	Checked By: JMD

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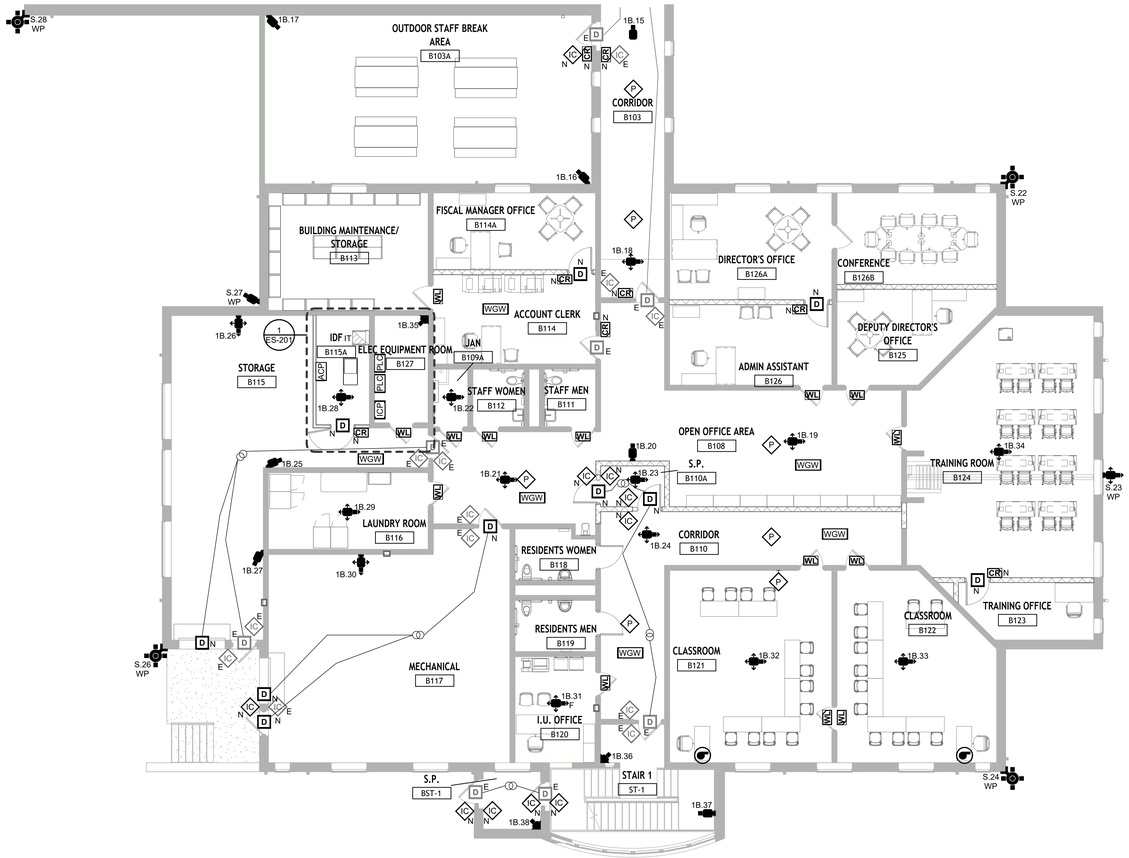
SHEET NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE LOCATIONS WITH EXISTING FIELD CONDITIONS.
2. CONTRACTOR SHALL PROVIDE EQUIPMENT AND QUANTITIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. CONTRACTOR SHALL REFER TO "E" SERIES DRAWINGS FOR ELECTRICAL AND UPS REQUIREMENTS.



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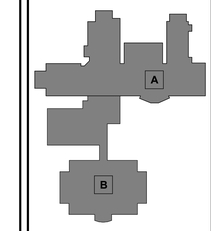

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	10.05.26	ISSUED FOR BID

Drawing Title

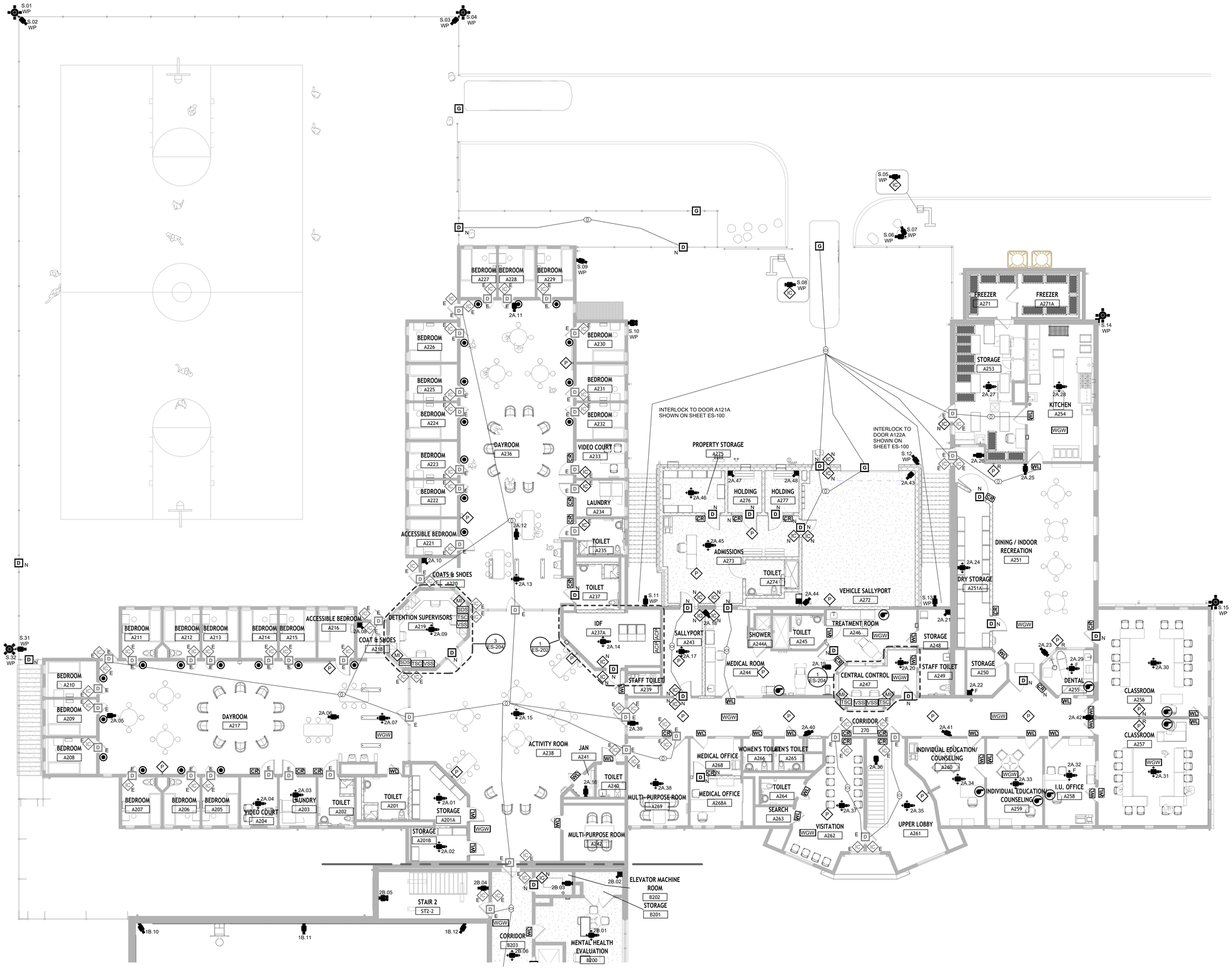
FIRST FLOOR PLAN - AREA B

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-101
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:26 PM

SHEET NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE LOCATIONS WITH EXISTING FIELD CONDITIONS.
2. CONTRACTOR SHALL PROVIDE EQUIPMENT AND QUANTITIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. CONTRACTOR SHALL REFER TO "E" SERIES DRAWINGS FOR ELECTRICAL AND UPS REQUIREMENTS.



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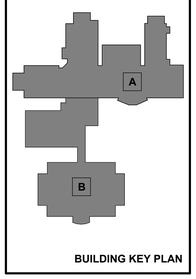

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Drawing Title

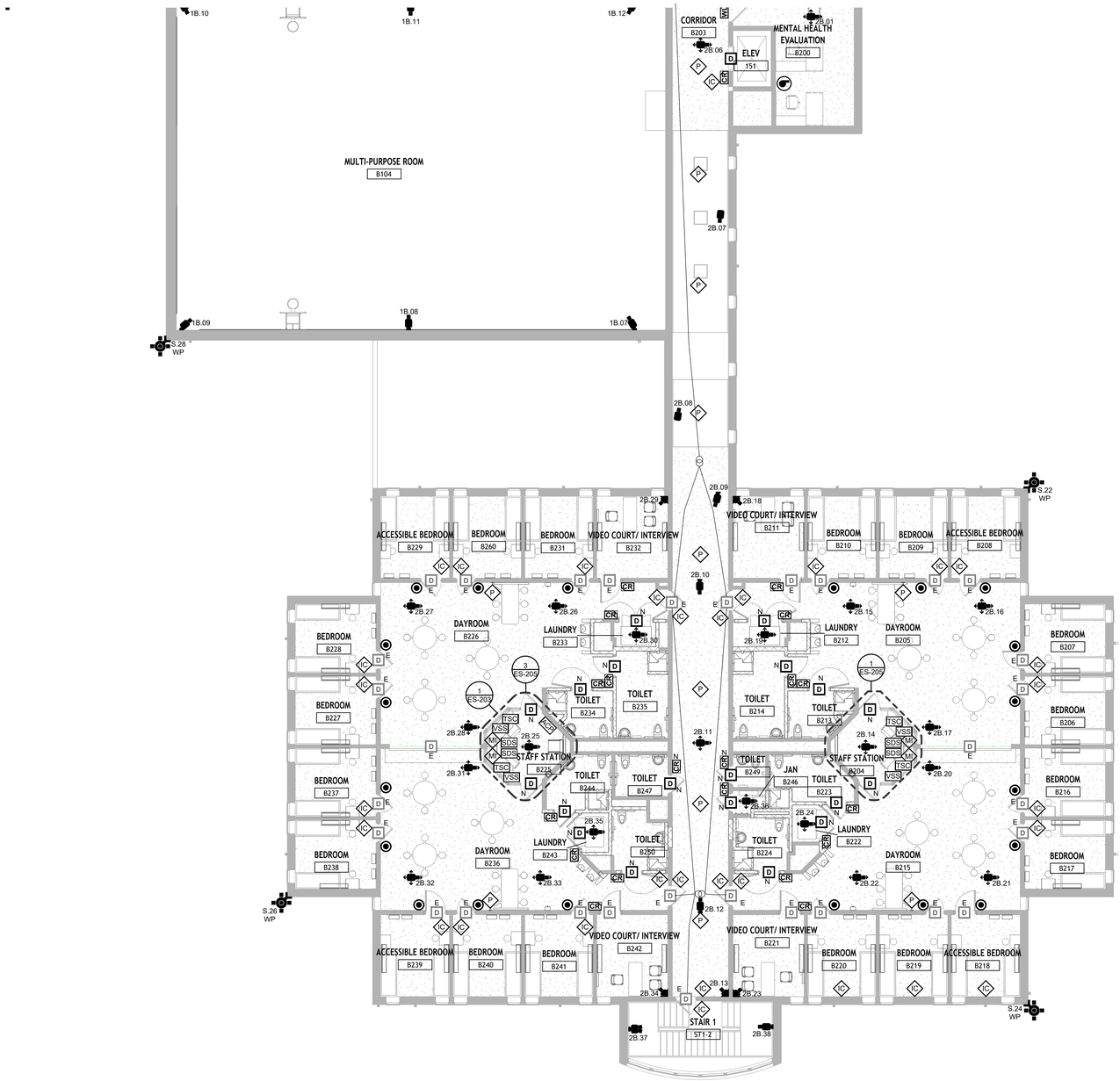
SECOND FLOOR PLAN - AREA A

Scale	USA Project No.
1/8" = 1'-0"	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-102
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:31 PM

SHEET NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE LOCATIONS WITH EXISTING FIELD CONDITIONS.
2. CONTRACTOR SHALL PROVIDE EQUIPMENT AND QUANTITIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. CONTRACTOR SHALL REFER TO "E" SERIES DRAWINGS FOR ELECTRICAL AND UPS REQUIREMENTS.



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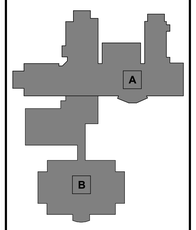

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RENOVATIONS AND ADDITION

TO THE

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THE COUNTY OF BERKS

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Drawing Title

SECOND FLOOR PLAN - AREA B

Scale: 1/8" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-103
Drawn By: LAH	Checked By: JMD

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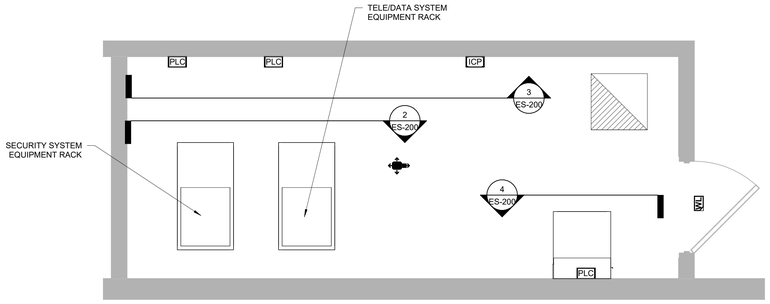
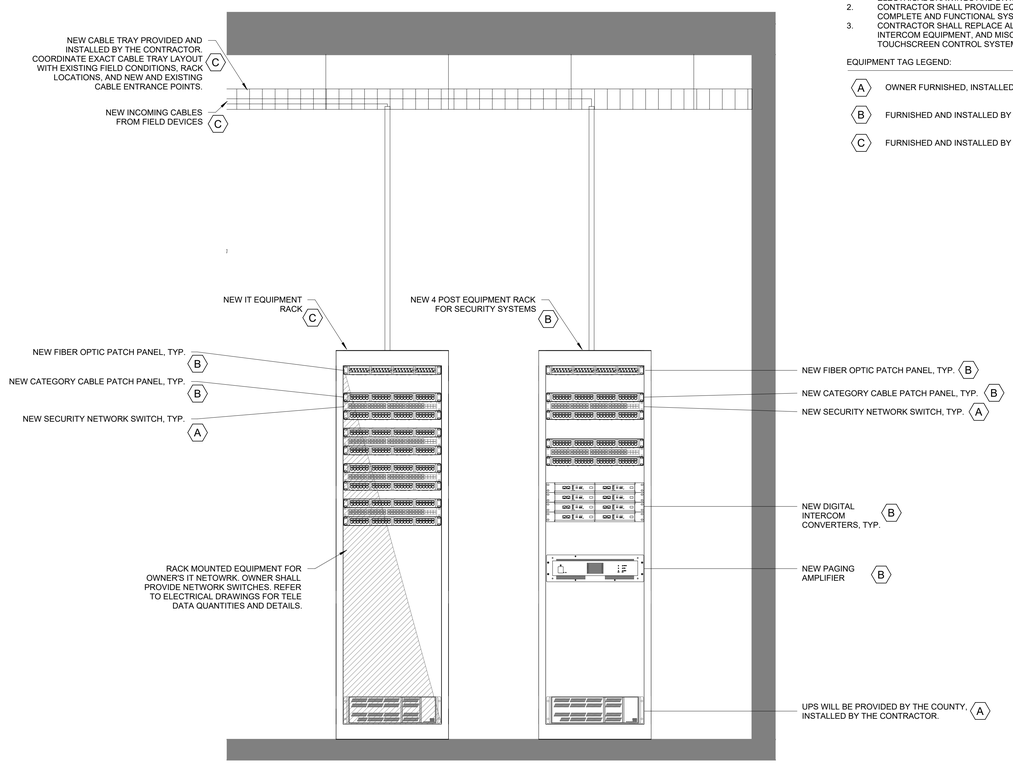


1 FIRST FLOOR - AREA A - IDF A123
SCALE: 1/2" = 1'-0"



2 IDF A123 EQUIPMENT RACK ELEVATION
SCALE: 1" = 1'-0"

SHEET NOTES:

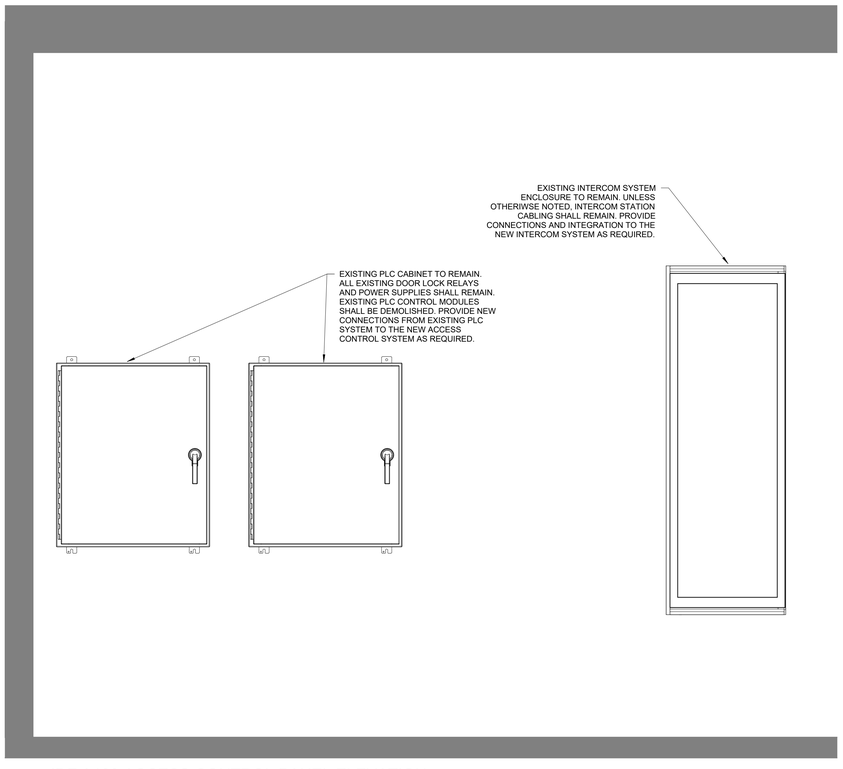
1. UNINTERRUPTIBLE POWER SUPPLIES (UPS) UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26 AND DIVISION 28 SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE EQUIPMENT AND QUANTITIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. CONTRACTOR SHALL REPLACE ALL EXISTING RELAYS, PLC, I/O, DOOR POWER SUPPLIES, INTERCOM EQUIPMENT, AND MISCELLANEOUS RELATED SYSTEMS TO UPGRADE TO NEW TOUCHSCREEN CONTROL SYSTEMS.

EQUIPMENT TAG LEGEND:

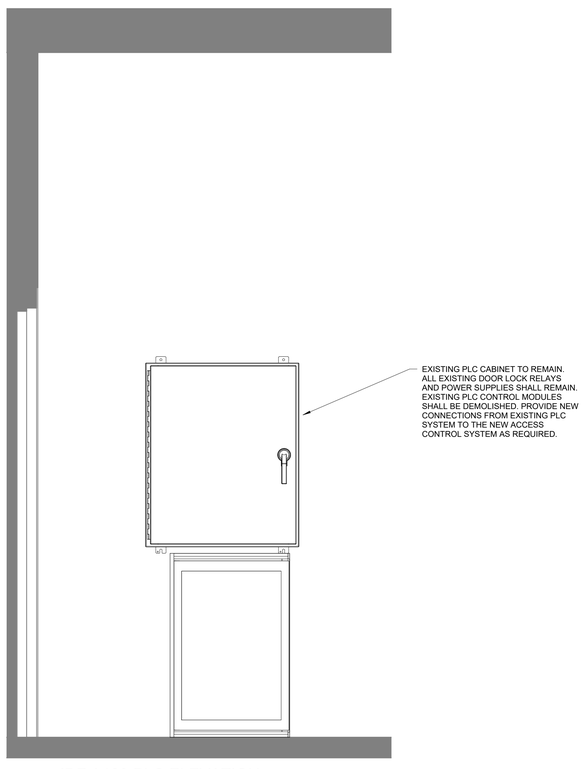
A OWNER FURNISHED, INSTALLED BY COUNTY'S SECURITY VENDOR

B FURNISHED AND INSTALLED BY COUNTY'S SECURITY VENDOR

C FURNISHED AND INSTALLED BY CONTRACTOR



3 IDF A123 ACCESS CONTROL PANEL ELEVATION
SCALE: 1" = 1'-0"



4 IDF A123 PLC ELEVATION
SCALE: 1" = 1'-0"

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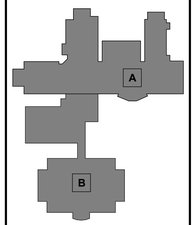

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

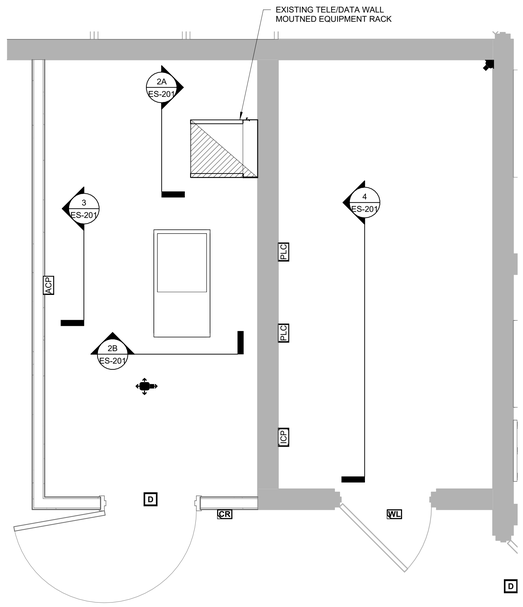
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

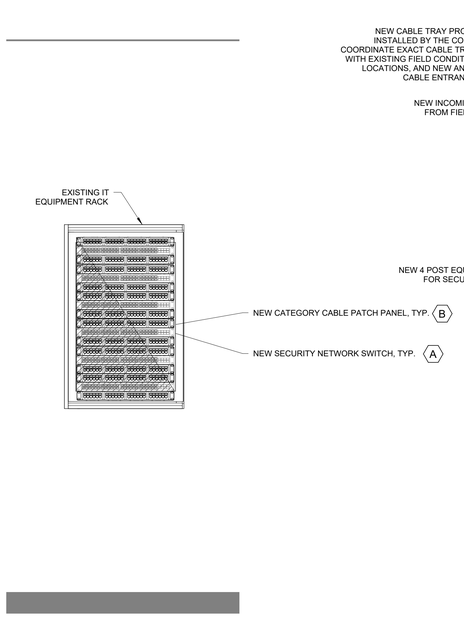
ENLARGED IDF A123 EQUIPMENT PLAN

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-200
Drawn By: LAH	Checked By: JMD

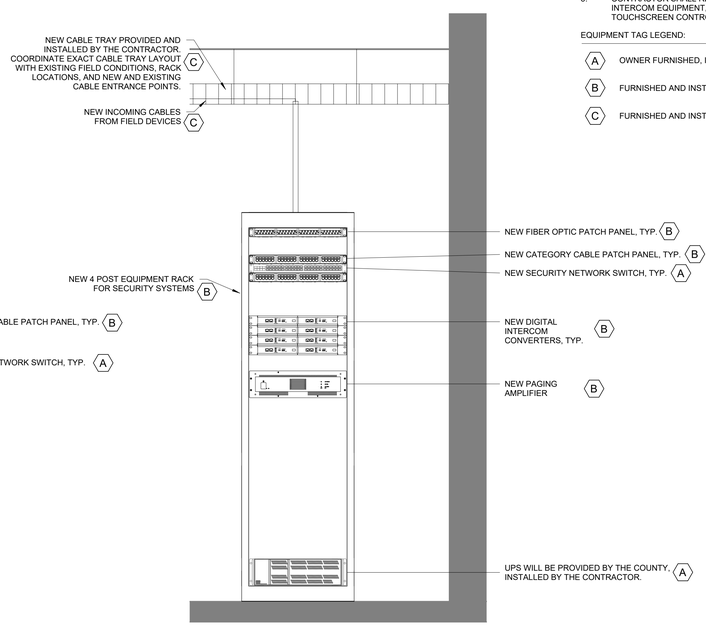
10/2/2026 12:35:36 PM



1 FIRST FLOOR - AREA B - IDF B115A / ELEC B127
SCALE: 1/2" = 1'-0"



2A IDF B115A EQUIPMENT EXISTING RACK ELEVATION
SCALE: 1" = 1'-0"



2B IDF B115A EQUIPMENT RACK ELEVATION
SCALE: 1" = 1'-0"

SHEET NOTES:

1. UNINTERRUPTIBLE POWER SUPPLIES (UPS) UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26 AND DIVISION 28 SPECIFICATIONS.
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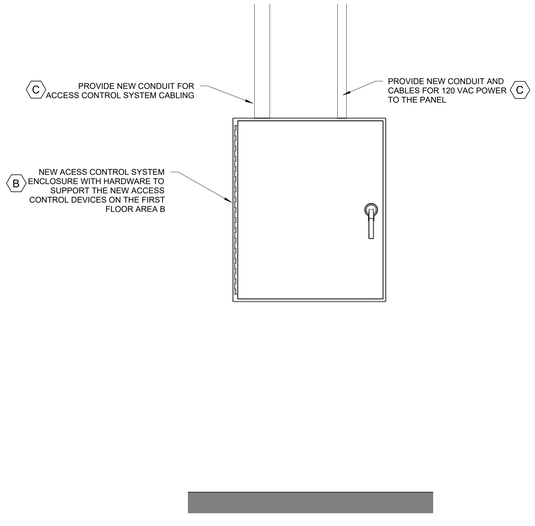
EQUIPMENT TAG LEGEND:

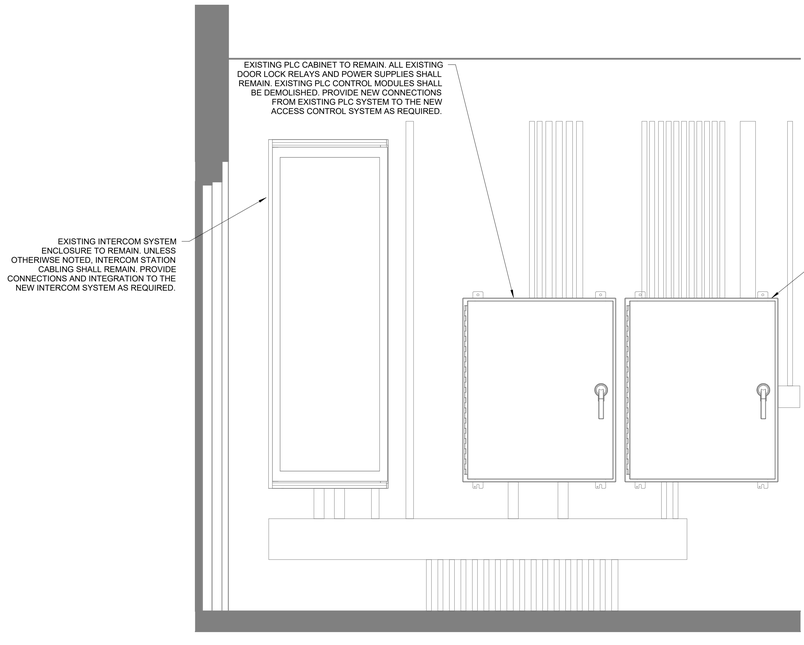
A OWNER FURNISHED, INSTALLED BY COUNTY'S SECURITY VENDOR

B FURNISHED AND INSTALLED BY COUNTY'S SECURITY VENDOR

C FURNISHED AND INSTALLED BY CONTRACTOR



3 IDF B115A ACCESS CONTROL PANEL ELEVATION
SCALE: 1" = 1'-0"



4 IDF B127 EQUIPMENT CABINETS ELEVATION
SCALE: 1" = 1'-0"

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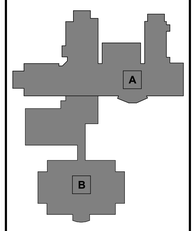

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION
TO THE
KEYSTONE REGIONAL YOUTH CENTER
FOR
THE COUNTY OF BERKS
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
ENLARGED IDF B115A / ELEC B127 EQUIPMENT PLAN

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-201
Drawn By: LAH	Checked By: JMD

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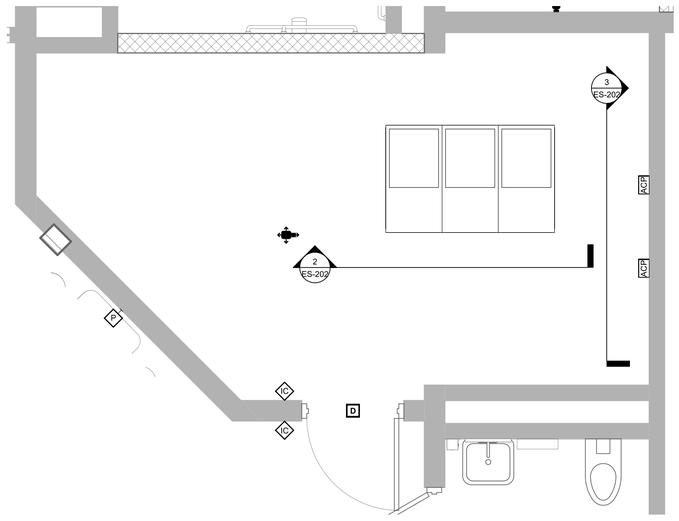

1 SECOND FLOOR - AREA A - IDF A237A
SCALE: 1/2" = 1'-0"

SHEET NOTES:

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EQUIPMENT TAG LEGEND:

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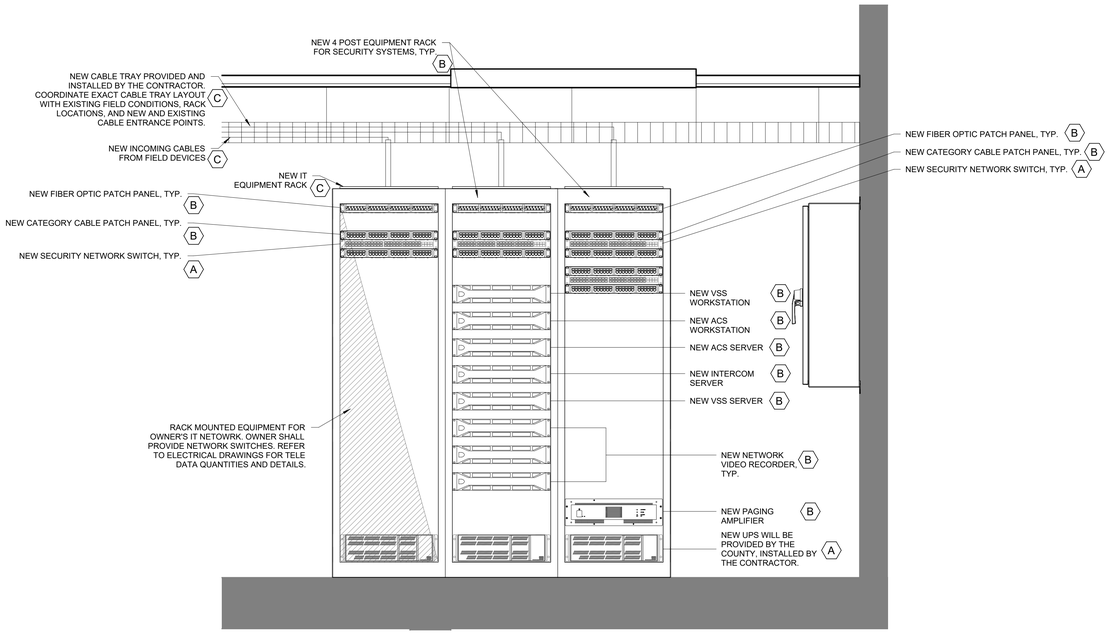
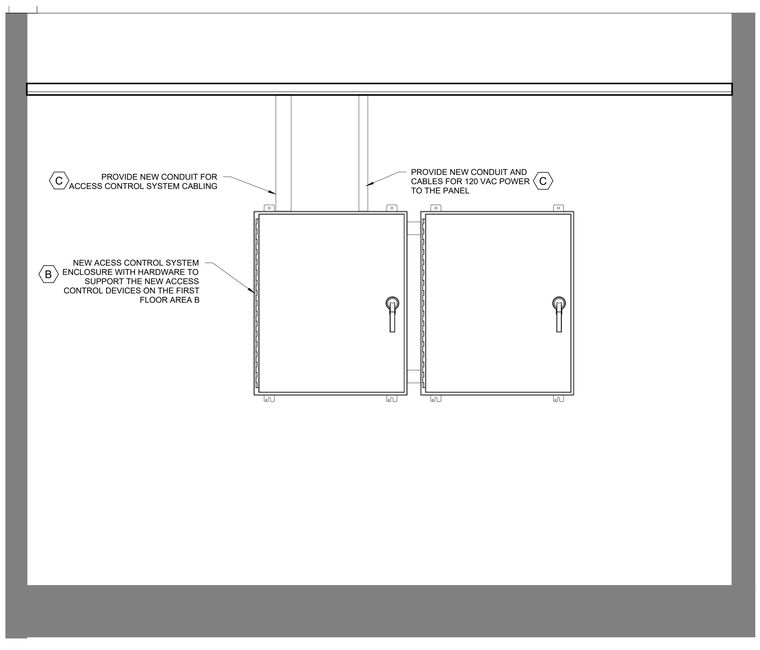
- (B) FURNISHED AND INSTALLED BY COUNTY'S SECURITY VENDOR
- (C) FURNISHED AND INSTALLED BY CONTRACTOR



2 IDF A237A EQUIPMENT RACK ELEVATION
SCALE: 1" = 1'-0"



3 IDF A237A ACCESS CONTROL PANEL ELEVATION
SCALE: 1" = 1'-0"

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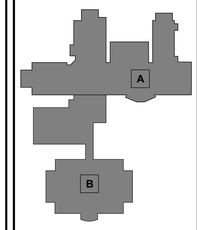

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RENOVATIONS AND ADDITION
TO THE
KEYSTONE REGIONAL YOUTH CENTER
FOR
THE COUNTY OF BERKS
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
ENLARGED IDF A237A EQUIPMENT PLAN

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-202
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:40 PM

SHEET NOTES:

1. UNINTERRUPTIBLE POWER SUPPLIES (UPS) UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26 AND DIVISION 28 SPECIFICATIONS.
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EQUIPMENT TAG LEGEND:

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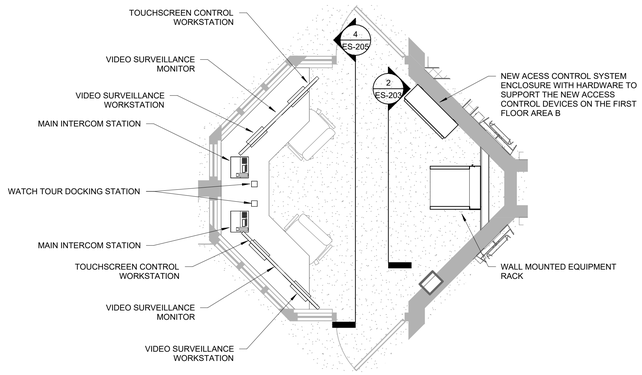
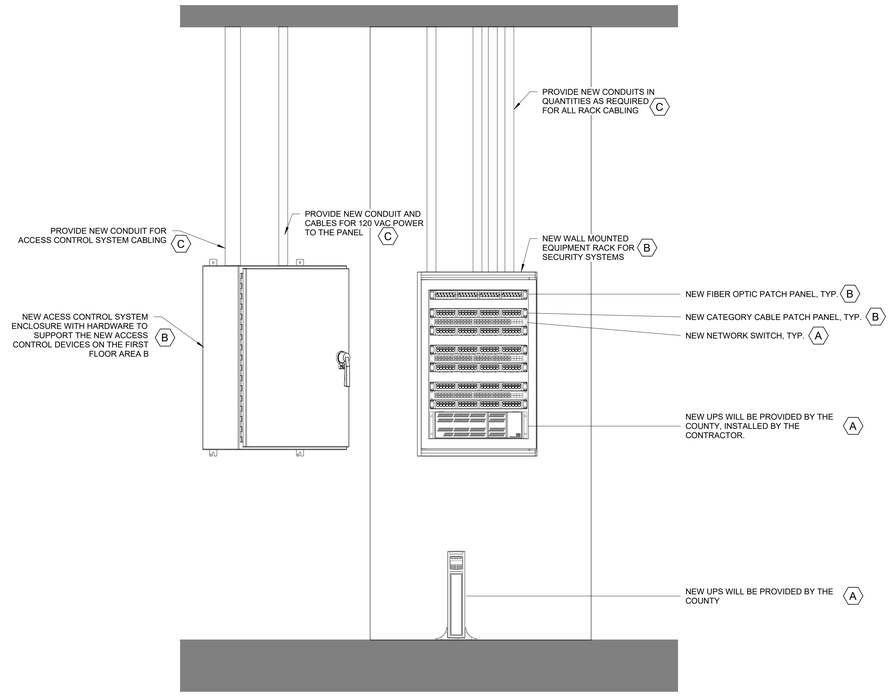
- (B) FURNISHED AND INSTALLED BY COUNTY'S SECURITY VENDOR
- (C) FURNISHED AND INSTALLED BY CONTRACTOR



1 SECOND FLOOR - AREA B - STAFF STATION B225 - RACK
SCALE: 3/8" = 1'-0"



2 STAFF STATION B225 EQUIPMENT RACK ELEVATION
SCALE: 1" = 1'-0"

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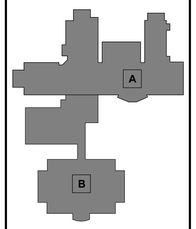

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

ENLARGED STAFF STATION B225 EQUIPMENT PLAN

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-203
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:41 PM

SHEET NOTES:

1. UNINTERRUPTIBLE POWER SUPPLIES (UPS) UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26 AND DIVISION 28 SPECIFICATIONS.
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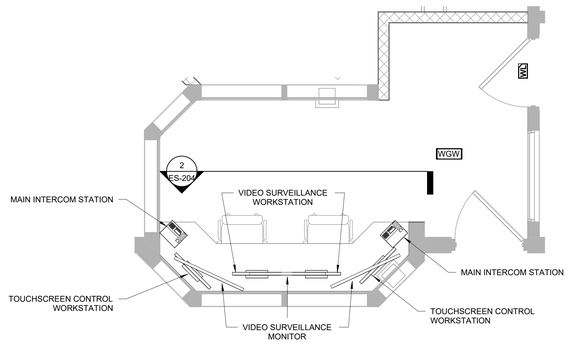
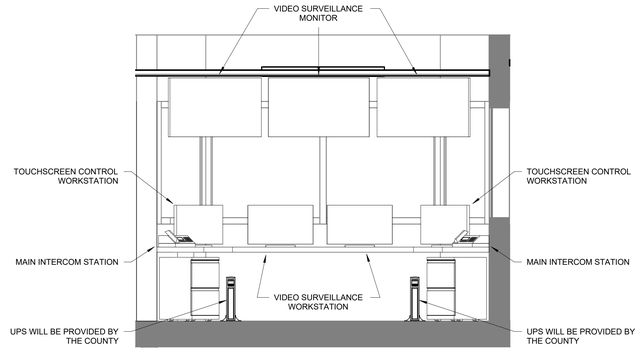
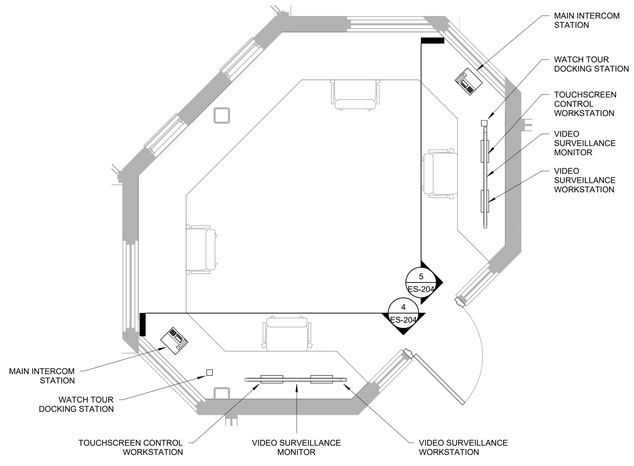


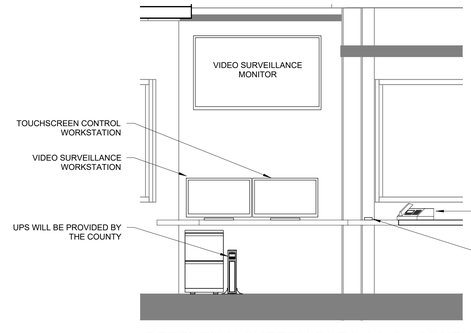
1 SECOND FLOOR - AREA A - CENTERAL CONTROL A247
SCALE: 3/8" = 1'-0"



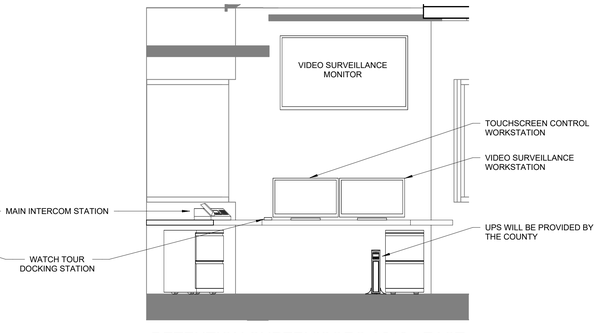
2 CENTRAL CONTROL A247 CONSOLE ELEVATION
SCALE: 1/2" = 1'-0"



3 SECOND FLOOR - AREA A - DETENTION SUPERVISORS A219
SCALE: 3/8" = 1'-0"



4 DETENTION SUPERVISORS A219 - SOUTH CONSOLE ELEVATION
SCALE: 1/2" = 1'-0"



5 DETENTION SUPERVISORS A219 - EAST CONSOLE ELEVATION
SCALE: 1/2" = 1'-0"

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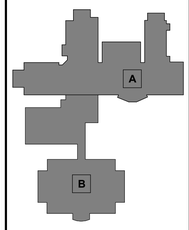

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

ENLARGED CONTROL ROOM PLANS 1 OF 2

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-204
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:42 PM

SHEET NOTES:

1. UNINTERRUPTIBLE POWER SUPPLIES (UPS) UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26 AND DIVISION 28 SPECIFICATIONS.
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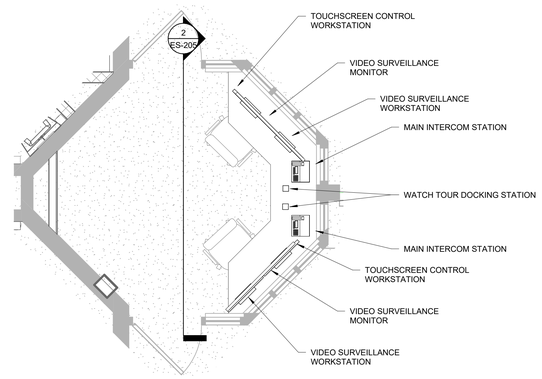
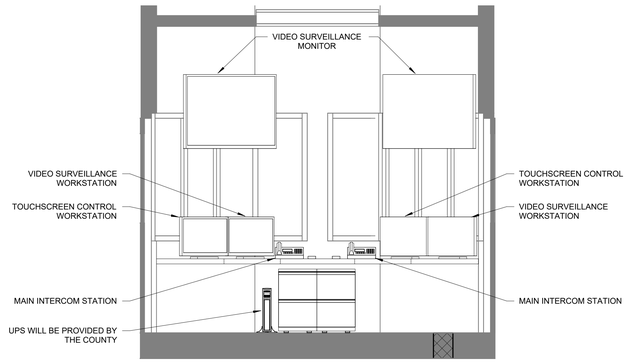
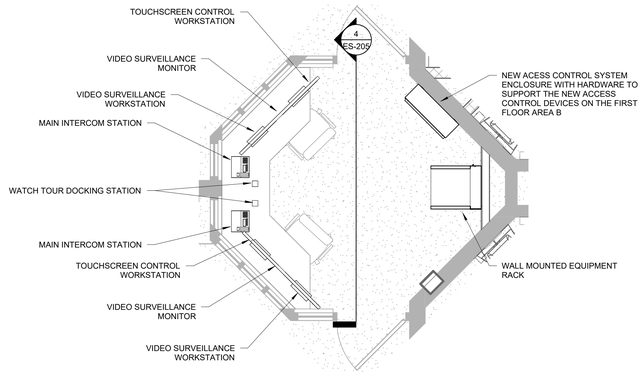


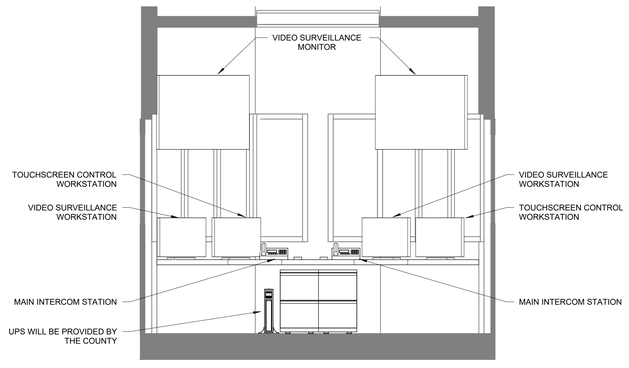
1 SECOND FLOOR - AREA B - STAFF STATION B204
SCALE: 3/8" = 1'-0"



2 STAFF STATION B204 CONSOLE ELEVATION
SCALE: 1/2" = 1'-0"



3 SECOND FLOOR - AREA B - STAFF STATION B225
SCALE: 3/8" = 1'-0"



4 STAFF STATION B225 CONSOLE ELEVATION
SCALE: 1/2" = 1'-0"

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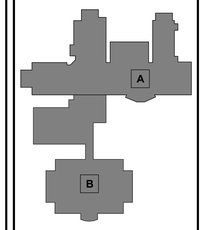

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RENOVATIONS AND ADDITION

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KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

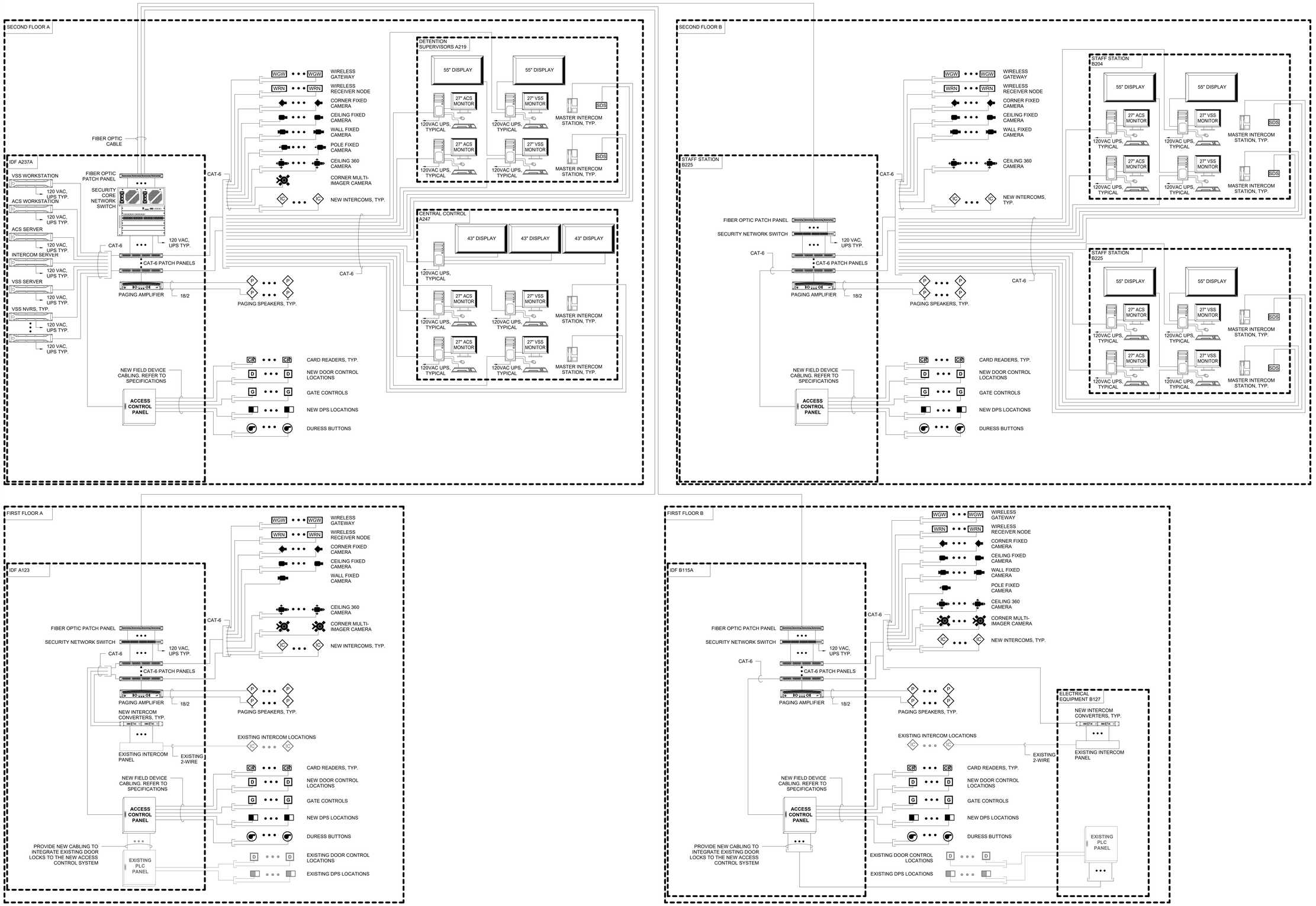
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

ENLARGED CONTROL ROOM PLANS 2 OF 2

Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-205
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:44 PM



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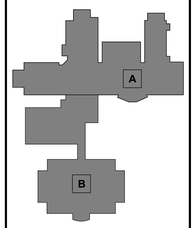

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION

TO THE

KEYSTONE REGIONAL YOUTH CENTER

FOR

THE COUNTY OF BERKS

1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

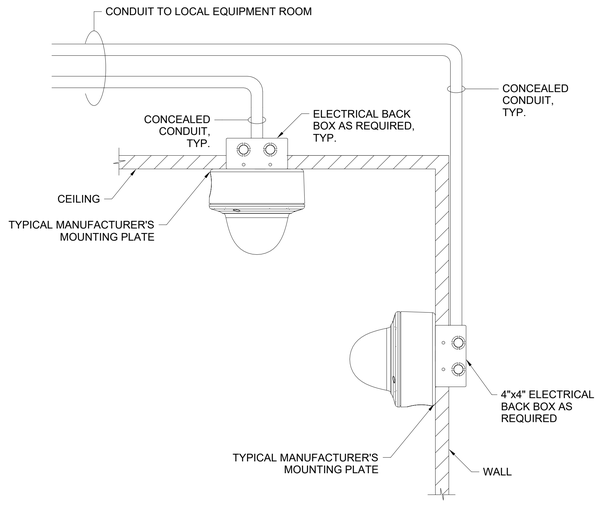
No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title

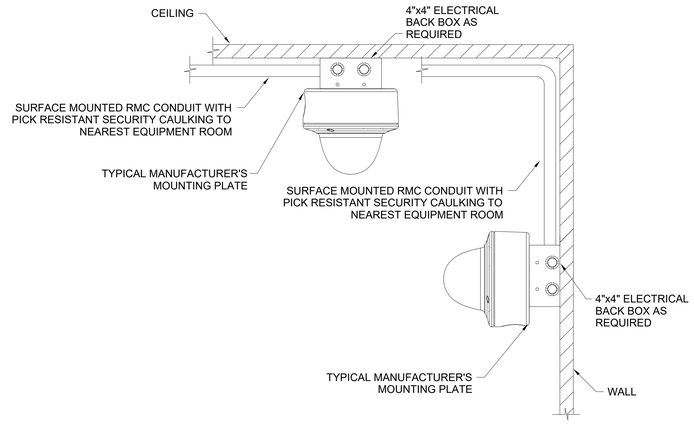
RISER DIAGRAM

Scale: 3/32" = 1'-0"	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-400
Drawn By: LAH	Checked By: JMD

10/2/2026 12:35:45 PM



1 TYPICAL CEILING AND WALL MOUNTED DOME CAMERA DETAILS - RECESS MOUNTED
SCALE: 1/8" = 1'-0"



2 TYPICAL CEILING AND WALL MOUNTED FDOME CAMERA DETAILS - SURFACE MOUNTED
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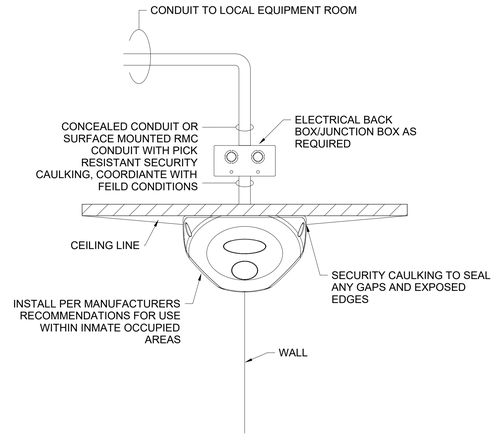

3 TYPICAL INTERIOR CORNER MOUNTED FIXED CAMERA DETAIL
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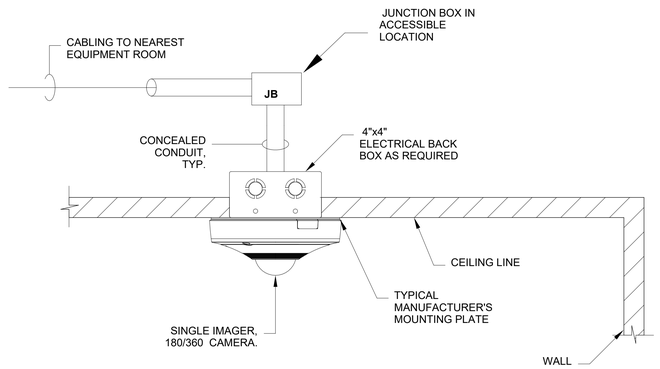
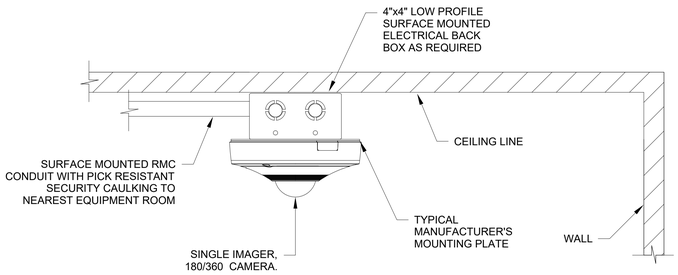


4 TYPICAL CEILING MOUNTED 360 CAMERA DETAIL - RECESS MOUNTED
SCALE: 3/8" = 1'-0"



5 TYPICAL CEILING MOUNTED 360 CAMERA DETAIL - DURFACE MOUNTED
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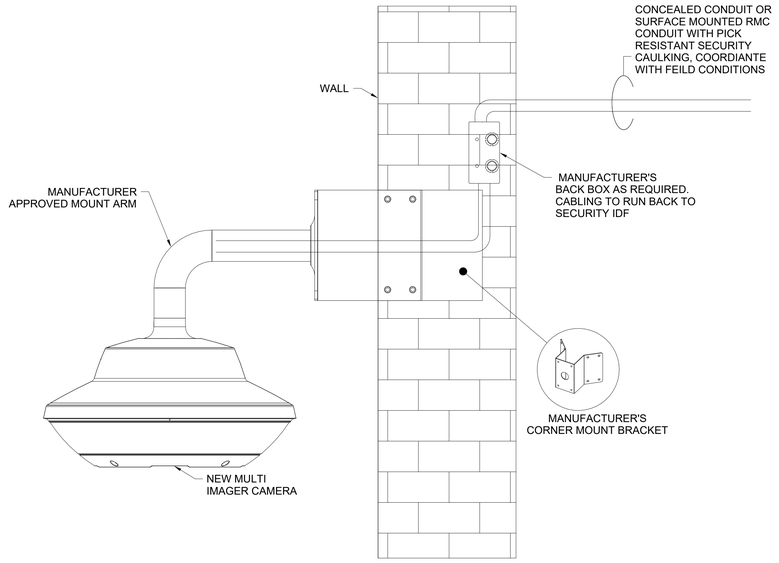

6 TYPICAL CORNER MOUNTED MULTI-IMAGER CAMERA DETAIL
SCALE: 1/8" = 1'-0"

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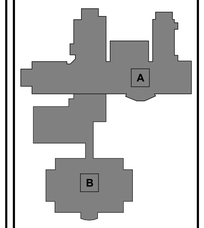

BUILDING KEY PLAN

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RENOVATIONS AND ADDITION
TO THE
KEYSTONE REGIONAL YOUTH CENTER
FOR
THE COUNTY OF BERKS
1261 COUNTY WELFARE ROAD
LEESPORT, PA 19533

No.	Date	Issue or Revision
	10.05.26	ISSUED FOR BID

Drawing Title
INSTALLATION DETAILS

Scale: As indicated	USA Project No.: R2024.0111.01
Drawing Date: 10.05.26	Drawing No.: ES-500
Drawn By: LAH / Checked By: JMD	

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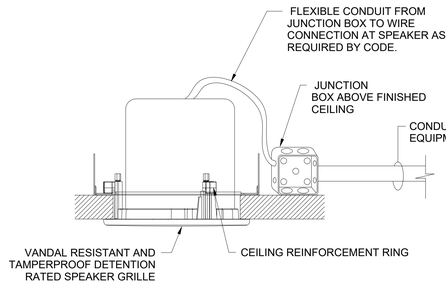
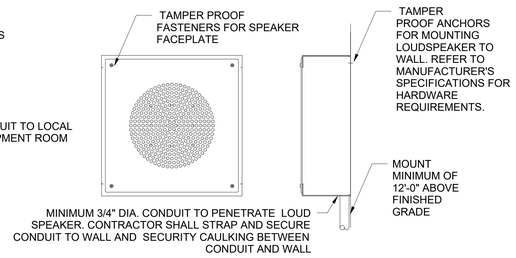
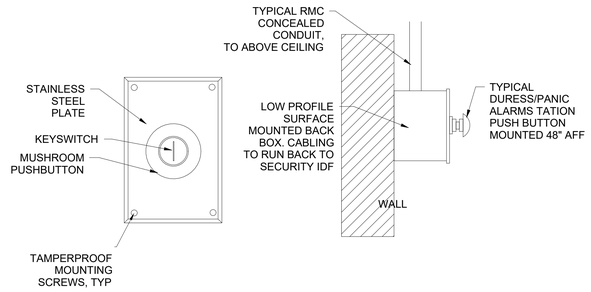


A. FLUSH CEILING MOUNTED SPEAKER

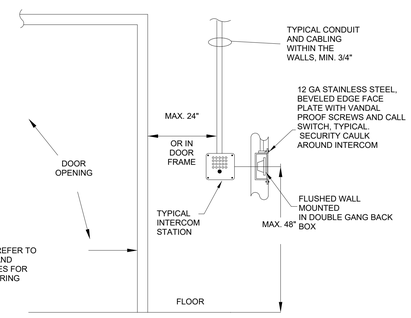


B. WALL MOUNTED VANDAL RESISTANT LOUDSPEAKER

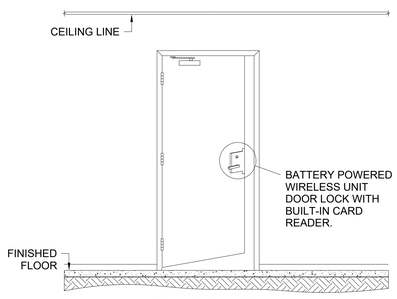
1 TYPICAL CEILING AND WALL MOUNTED PAGING SPEAKER DETAILS
SCALE: NTS



2 TYPICAL WALL MOUNTED DURESS BUTTON DETAILS
SCALE: NTS

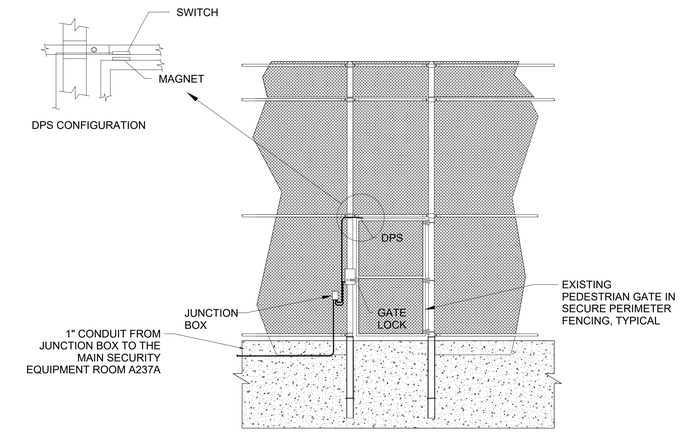


3 TYPICAL INTERCOM DETAILS
SCALE: NTS

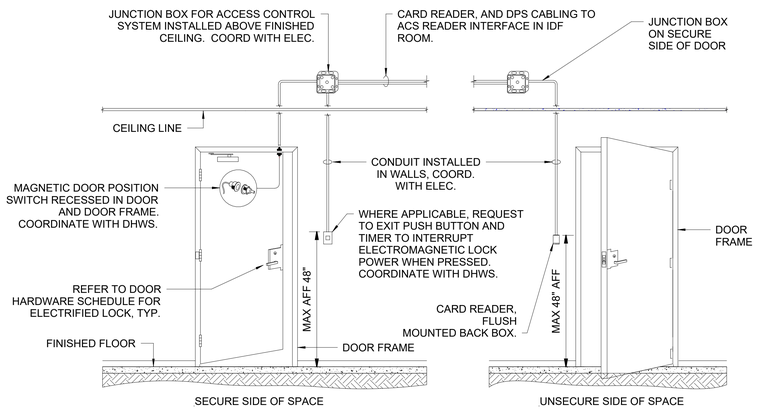


CORRIDOR SIDE DOOR

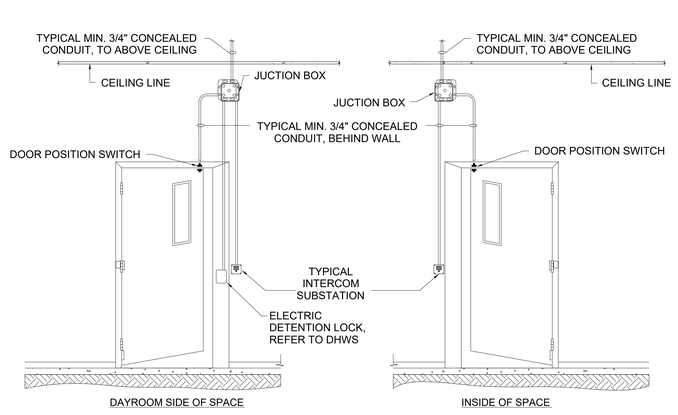
4 TYPICAL WIRELESS LOCK DOOR DETAIL
SCALE: 1/2" = 1'-0"



5 TYPICAL PEDESTRIAN SWING GATE DETAIL
SCALE: NTS



7 ACCESS CONTROLLED DOOR DETAIL
SCALE: NTS



DAYROOM SIDE OF SPACE

INSIDE OF SPACE

8 TYPICAL NEW DETENTION DOOR DETAIL
SCALE: NTS

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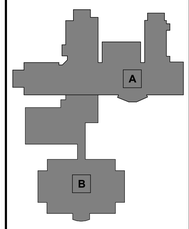

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Scale	USA Project No.
As indicated	R2024.0111.01
Drawing Date: 10.05.26	Drawing No. ES-501
Drawn By: LAH	Checked By: JMD

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