



**1 ELECTRICAL SITE PLAN**  
SCALE: 1" = 40'-0"

**GENERAL NOTES**

- A. REFER TO SHEET E000 FOR ELECTRICAL SYMBOLS & ABBREVIATIONS.
- B. REFER TO SHEET E700 FOR BUILDING SINGLE LINE DIAGRAMS.
- C. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL FOR EXACT DEVICE LOCATIONS, MOUNTINGS, AND MOUNTING HEIGHTS. REFER TO OTHER TRADES FOR EXACT EQUIPMENT LOCATION.
- D. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. ROUT CONDUIT TO MINIMIZE PENETRATIONS BETWEEN OCCUPIED SPACES.
- E. PROVIDE PULL BOXES AS REQUIRED BY CODE OR AS NECESSARY TO PULL CONDUCTORS AND WIRING. NO MORE THAN 360 DEGREES OF BENDS SHALL BE ALLOWED BETWEEN PULL POINTS.
- F. EACH SINGLE-PHASE BRANCH CIRCUIT SHALL BE PROVIDED WITH DEDICATED NEUTRALS. NO SHARED NEUTRALS SHALL BE ALLOWED.
- G. OBTAIN WRITTEN PERMISSION FROM OWNER OR OWNER'S REPRESENTATIVE OF ALL SYSTEMS REQUIRED TO BE SHUT-OFF INCLUDE WITHIN THE PERMISSION THE EXPECTED DURATION OF THE SHUTDOWN AND ALL AREAS WHICH MAY BE AFFECTED, INCLUDING AREAS BEYOND THE SCOPE OF WORK INDICATED. A MINIMUM OF ONE WEEK (SEVEN DAYS) IN ADVANCE. SCHEDULE OF SHUTDOWNS SHALL BE MADE TO MINIMIZE THE AFFECTED AREA AND ANY INCONVENIENCES TO THE OWNER.
- H. CONNECTIONS SHOWING ONLY CIRCUIT NUMBERS ON THIS SHEET SHALL BE CIRCUITED AS FOLLOWS, UNLESS OTHERWISE NOTED:  

PANEL	CATEGORY
B1L2	277V NORMAL POWER
- I. MINIMUM CONDUCTOR SIZE FOR SITE LIGHTING CIRCUITS SHALL BE #10 CU. WHERE LIGHTING IS IN EXCESS OF 400' FROM PANEL B1L2 A REMOTE LOAD CENTER SHALL BE USED TO ALLEVIATE VOLTAGE DROP CONCERNS.

**Please add general notes confirming the following:**

- All exterior lighting shall be concealed or shielded. Light fixtures shall be full cutoff as defined by the Illuminating Engineers Society of North America (IESNA).
- Upward lighting for architectural, landscape, or decorative purposes shall have at least 90% of the total distribution pattern within the profile of the illuminated structure or feature. Light fixtures used to illuminate flags, statues, or any other objects mounted on a pole, pedestal, or platform, shall use a narrow cone of light that does not extend beyond the illuminated object.
- No lighting shall make it difficult for pilots to distinguish airport lights from others, result in glare in the eyes of the pilots using an aviation facility, impair visibility in the vicinity of an aviation facility or, in any way create a hazard or endanger the landing, take-off, or maneuvering of aircrafts intending to use an aviation facility.

THIS SQUARE APPEARS 1/2"x1/2" ON FULL SIZE SHEETS

12.19.2025 L/F PROJ. NO. 23052  
 PROJ. ARCHITECT DRAWN BY: AEI

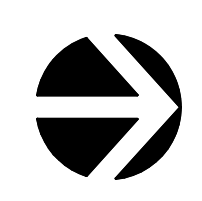
SET ISSUE DATES	
DATE	ISSUE
03.19.2025	100% SCHEMATIC DESIGN
07.03.2025	50% DESIGN DEVELOPMENT
08.22.2025	100% DESIGN DEVELOPMENT
11.14.2025	50% CONSTRUCTION DOCUMENTS
12.19.2025	BID SET

REVISIONS		
NO.	DATE	DESCRIPTION
1	03.24.2026	ASI 01

**BID SET**

**ELECTRICAL SITE PLAN**

**E121**





### FOUNTAIN VALLEY SCHOOL ACADEMIC CENTER

6155 FOUNTAIN VALLEY SCHOOL RD  
COLORADO SPRINGS, CO 80911

**CIVIL ENGINEERING**  
MARTINMARTIN ENGINEERING  
12400 WEST COLFAX AVE, LAKEWOOD, CO 80215  
970.256.4722

**LANDSCAPE ARCHITECTURE**  
SURROUNDINGS STUDIO  
1611 PASSEO DE PERALTA, SANTA FE, NM 87501  
505.862.8454

**STRUCTURAL ENGINEERING**  
K&A ENGINEERS & BUILDERS  
1717 WASHINGTON AVE, LOVELAND, CO 80537  
303.384.9910

**MEP ENGINEERING**  
AEI AFFILIATED ENGINEERS  
999 NEW ST SUITE 1001N, DENVER, CO 80202  
720.580.8510

**LABORATORY DESIGN**  
RESEARCH FACILITIES DESIGN  
3905 5TH AVE, SUITE 400, SAN DIEGO, CA 92103  
619.297.0159

THIS SQUARE APPEARS 1/2"X1/2"  
ON FULL SIZE SHEETS

12.19.2025 L/F PROJ NO: 23052  
PROJ. ARCHITECT DRAWN BY: AEI

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12.19.2025	BID SET

REVISIONS		
NO.	DATE	DESCRIPTION
1	03.24.2026	ASI 01

BID SET

ELECTRICAL  
PASEO  
ENLARGED PLAN

# E122

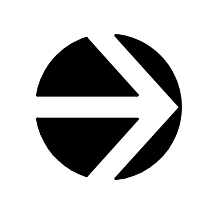
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PANEL	CATEGORY
B1L2	277V NORMAL POWER
- MINIMUM CONDUCTOR SIZE FOR SITE LIGHTING CIRCUITS SHALL BE #10 CU, WHERE LIGHTING IS IN EXCESS OF 400' FROM PANEL B1L2 A REMOTE LOAD CENTER SHALL BE USED TO ALLEVIATE VOLTAGE DROP CONCERNS.



1 ELECTRICAL SITE PLAN PASEO  
SCALE: 1/8" = 1'-0"



**LUMINAIRE SCHEDULE**

TYPE APPLICATION	LUMINAIRE DESCRIPTION	BASIS OF DESIGN MODEL NUMBER	PRE-APPROVED ALTERNATES	LIGHT ENGINE DELIVERED LUMENS CCT, CRI	DRIVER/ POWER SUPPLY	ENERGY	MOUNTING STYLE, INSTALLATION REMARKS
<b>C - CEILING MOUNTED, RECESSED, ETC.; CE - EXTERIOR CEILING MOUNTED</b>							
<b>C1</b> Storage	LED recessed 2X4 architectural center lensed troffer.	HE WILLIAMS - AT1 TROFFER SERIES AT1-2-140-8-35-P-DIM1-UNV	Mark Lighting - VHSPR Series Day Bright - Clear Appear	4000 lm 3500 K, 80 CRI	Universal 0-10V MIN 1%	35 w	Recessed - Grid
<b>C1A</b> Storage	LED recessed 2X4 architectural center lensed troffer.	HE WILLIAMS - AT1 TROFFER SERIES AT1-2-140-8-35-P-DIM1-UNV	Mark Lighting - VHSPR Series Day Bright - Clear Appear	3000 lm 3500 K, 80 CRI	Universal 0-10V MIN 1%	30 w	Recessed - Grid
<b>C2</b> CAW	LED surface adjustable multihead with 3 individual heads. *Provide with one (1) 60-degree head and two (2) 30-degree heads with ***black hexcell louvre. **Confirm finish with architect prior to final order and installation. ***Provide with linear spread lens and softening lens. Luminaire shall not be larger than 4.85-inches wide, 12.5-inches long, and 6.13-inches tall.	3G - 3 HEAD MADISON MINI ADJUSTABLE 3G-SM3M5-15-H95-27K-40D-UNV-DIM-***	Or pre-approved alternate.	1500 lm/head 2700 K, 90 CRI	Universal 0-10V Min 1%	42.3 W	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>C2A</b> Library Stacks	LED surface adjustable multihead with 3 individual heads. *Provide with one (3) 40-degree heads with ***black hexcell louvre. **Confirm finish with architect prior to final order and installation. ***Provide with linear spread lens and softening lens. Luminaire shall not be larger than 4.85-inches wide, 12.5-inches long, and 6.13-inches tall.	3G - 3 HEAD MADISON MINI ADJUSTABLE 3G-SM3M5-15-H95-27K-40D-UNV-DIM-***	Or pre-approved alternate.	1500 lm/head 2700 K, 90 CRI	Universal 0-10V Min 1%	42.3 W	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>C3</b> Restroom	LED 3-inch recessed linear with 3-inch regressed lambertian lensing. Provide with field adjustable end length.	LUMENWERX - VIA 3 PERIMETER SERIES V3PERD-HLO-SW-90CRI-500LMF-27K-FT*IN-UNV-D1-1C-DMF-W-NA-TE	Puridental - Bpro3 Perimeter Coronet - PG2 Series	500 lm/ft 2700 K, 90 CRI	UNIVERSAL 0-10V Min 1%	5 w/ft	Recessed - Gyp Ceiling
<b>C4</b> Restroom	LED 3-inch recessed linear slot light.	LUMENWERX - VIA 3 RECESSED SERIES VIA3R-D-HLO-GH-SW-90CRI-500LMF-27K-FT*IN-UNV-D1-1C-NA-DMF-W-NA-NA	Prudential - Bpro 3 Series Coronet - LSR3 Series	500 lm/ft 2700 K, 90 CRI	UNIVERSAL 0-10V Min 1%	5 w/ft	Recessed - Gyp Ceiling
<b>C5</b> Library Stacks	LED recessed mount square housing with an adjustable head with 1 individual head. Provide with one (1) 40-degree head with ***black hexcell louvre. **Confirm finish with architect prior to final order and installation. ***Provide with linear spread lens and softening lens.	3G - 1 HEAD MADISON MINI ADJUSTABLE 3G-RC1M5-15-H95-27K-40D-UNV-DIM-***	Or pre-approved alternate.	1500 lm/head 2700 K, 90 CRI	Universal 0-10V MIN 1%	14.1 w	Recessed Mount in Specialty Ceiling
<b>C5A</b> Library Stacks	LED surface mount square housing with an adjustable head with 1 individual head. Provide with one (1) 40-degree head with ***black hexcell louvre. **Confirm finish with architect prior to final order and installation. ***Provide with linear spread lens and softening lens. Luminaire shall not be larger than 4.85-inches wide, 4.85-inches long, and 6.13-inches tall.	3G - 1 HEAD MADISON MINI ADJUSTABLE 3G-SM1M5-15-H95-27K-40D-UNV-DIM-***	Or pre-approved alternate.	1500 lm/head 2700 K, 90 CRI	Universal 0-10V MIN 1%	14.1 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>C6A</b> Library Stacks	LED surface adjustable multihead with 2 individual heads. *Provide with two (2) 40-degree heads. **Confirm finish with architect prior to final order and installation. ***Provide with linear spread lens and softening lens. Luminaire shall not be larger than 4.85-inches wide, 8.65-inches long, and 6.13-inches tall.	3G - 2 HEAD MADISON MINI ADJUSTABLE 3G-SM2M5-15-H95-27K-40D-UNV-DIM-***	Or pre-approved alternate.	1500 lm/head 2700 K, 90 CRI	Universal 0-10V Min 1%	28.2 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>D - DOWNLIGHT</b>							
<b>D1</b> Corridors	LED 2-inch recessed rectangular multi-cell downlight with oval beam distribution. Oval distribution shall be minimally 40-degree by 80-degrees with the wider distribution perpendicular to the fixture housing. Fixture housing shall have a maximum overall height of 3.75-inches above finished ceiling. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A.	IGUZZINI - LASER BLADE ILB10-TL-IC-027-TW-UNV-02+*	Or pre-approved alternate.	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Recessed - Special Ceiling System Trimless installation.
<b>D1A</b> Corridors	LED 2-inch surface mounted rectangular multi-cell downlight with oval beam distribution. Oval distribution shall be minimally 80-degree by 40-degrees with the wider distribution parallel to the fixture housing. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A. Luminaire shall not be larger than 1.5-inches wide, 11-inches long, and 4.63-inches tall.	IGUZZINI - LASER BLADE 3654-S-F-DF-LB10-027-LW-N-REM-02+*	Or pre-approved alternate.	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>D2</b> Level 1 Library	LED 2-inch recessed rectangular multi-cell downlight with a 50-degree distribution. Fixture housing shall have a maximum overall height of 3.75-inches above finished ceiling. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A.	IGUZZINI - LASER BLADE ILB10-TL-IC-027-WF-UNV-02+*	Or pre-approved alternate.	1600 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Recessed - Special Ceiling System
<b>D2A</b> Level 1 Library	LED 2-inch surface mounted rectangular multi-cell surface mounted downlight downlight with a 50-degree distribution. Fixture housing shall have a maximum overall height of 3.75-inches above finished ceiling. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A. Luminaire shall not be larger than 1.5-inches wide, 11-inches long, and 4.63-inches tall.	IGUZZINI - LASER BLADE 3654-S-F-DF-LB10-027-WF-N-REM-02+*	Or pre-approved alternate.	1600 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>D3</b> Reception, Library	LED 2-inch recessed rectangular multi-cell downlight with a 30-degree distribution. Fixture housing shall have a maximum overall height of 3.75-inches above finished ceiling. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A.	IGUZZINI - LASER BLADE ILB10-TL-IC-027-FL-UNV-02+*	Or pre-approved alternate.	1600 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Recessed - Special Ceiling System
<b>D3A</b> Reception, Library	LED 2-inch surface mounted rectangular multi-cell surface mounted downlight downlight with a 30-degree distribution. Fixture housing shall have a maximum overall height of 3.75-inches above finished ceiling. *Provide remote driver box and quantities as required. Locate on as built provided to the owner. Fixture shall be the same manufacturer as D1-D3A. Luminaire shall not be larger than 1.5-inches wide, 11-inches long, and 4.63-inches tall.	IGUZZINI - LASER BLADE 3654-S-F-DF-LB10-027-FL-N-REM-02+*	Or pre-approved alternate.	1600 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>D4</b> Classroom, Lab	LED 4-inch diameter recessed downlight with 50-degree distribution. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole. Provide with enough lead that the driver and the quick disconnect come below the ceiling for ease of maintenance. *Provide mounting hardware as required by installation location. Fixture housing shall have a maximum height of 3.5-inches above ceiling.	LUMENWERX - AERA SHALOW 4 SERIES ASH4RR-TRMD-FSSPC-FSSPC-SDL-SW-50DEG-NA-90CRI-27K-UNV-20W-D1-NIC-NA	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Recessed - Flanged Trim
<b>D5</b> Seating Niche	LED 2-inch diameter recessed wall wash. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole. Provide with enough lead that the driver and the quick disconnect come below the ceiling for ease of maintenance. *Provide mounting hardware as required by installation location.	LUMENWERX - AERA 2 SERIES WALL WASHER AE2RRRW-TLMW-SW-IC-UNV-10W-D1-NA + AE2RRRW-SW-10W-WW-2STP-90CRI-27K-TLMW-WW-FSSPC-NA-NA	Focal Point - ID+ 2.5 Series USAI - Little Two Series	500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	10 w	Recessed - Wood Millwork
<b>D6</b> Classroom, Labs	LED 4-inch diameter recessed wall wash. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole. Provide with enough lead that the driver and the quick disconnect come below the ceiling for ease of maintenance. *Provide mounting hardware as required by installation location.	LUMENWERX - AERA 4 SERIES WALL WASHER ASH4RRW-TRM-FSSPC-FSSPC-SDL-SW-WW-90CRI-27K-UNV-14W-D1-NIC	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	700 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Recessed - Flanged Trim
<b>D7</b> Collab Humanities	LED 2-inch square recessed wall washer. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole.	LUMENWERX - AERA 2 SQUARE SERIES AE2RRRW-TLMW-SW-IC-UNV-10W-D1-NA + AE2RRRW-SW-10W-WW-2STP-90CRI-27K-TLMW-WW-FSSPC-NA-NA	Focal Point - ID+ 2.5 Series USAI - Little Two Series	500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	10 w	Recessed - Special Ceiling System
<b>D8</b> Restroom, Vestibule, Corridor, etc.	LED 4-inch diameter recessed downlight with 50-degree distribution. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole. Provide with enough lead that the driver and the quick disconnect come below the ceiling for ease of maintenance. *Provide mounting hardware as required by installation location.	LUMENWERX - AERA 4 SERIES AE4RR-TLMP-SW-IC-UNV-14W-D1 + AE4RRB-SW-14W-50DEG-2STP-90CRI-27K-NA-TLMP-LSDL-FSSPC-NA-NA	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Recessed Mud-in - Gyp Ceiling
<b>D9</b> Conference	LED 4-inch diameter recessed downlight wall wash. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole.	LUMENWERX - AERA 4 SERIES AE4RRRW-TLMP-SW-IC-UNV-20W-D1 + AE4RRRW-SW-20W-WW-2STP-90CRI-27K-TLMP-WW-FSSPC-NA-NA	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	1000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Recessed - Gyp Ceiling
<b>D10</b> Large Classroom	LED 4-inch diameter cylinder downlight wall wash. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole.	LUMENWERX - AERA 4 WALL WASH SERIES AE4RRRW-TLMW-SW-IC-UNV-14W-D1 + AE4RRRW-SW-14W-WW-2STP-90CRI-27K-NA-TLMW-WW-FSSPC-NA-NA	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	1000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>D11</b> Exterior Canopies	LED 4-inch diameter cylinder downlight with 50-degree distribution. Provide with quick disconnect driver on the line-voltage side for ease of maintenance. Driver shall be able to fit through the aperture hole. Provide with enough lead that the driver and the quick disconnect come below the ceiling for ease of maintenance. *Provide mounting hardware as required by installation location.	LUMENWERX - AERA 4 SURFACE SERIES	Focal Point - ID+ 3.5 Series USAI - Bevel 2.2 Series	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	14 w	Surface Mount in Architectural Detail of wood CLT Ceiling Fixtures shall be installed in an architectural pocket milled into the CLT system. Coordinate detailing with architect, structural engineer, and CLT manufacturer prior to final order and installation.
<b>M - INTEGRATED MILLWORK, ACCENT, OR ASYMMETRIC; ME - EXTERIOR INTEGRATED MILLWORK</b>							
<b>M1</b> CAW, corridors	LED 1-inch recessed extruded strip luminaire. Fixture shall be recessed into wood structural beam. *Confirm finish with owner prior to final order and installation. Luminaire shall be no more than 1-inch wide and 1-inch deep. Fixture shall have angled lensing for slight asymmetric distribution.	LUMEN TRUSS - 5450 SERIES CA545X-MNO-DOS-PL100-K27-AID-FHX-**-QO-**-P010	KLUS - HR-Slim Series QTL - Micro 5 Kicker Series	100 lm/ft 2700 K, 90 CRI	Universal 0-10V MIN 1%	2 w/ft	Recessed - Millwork
<b>M2</b> Library Ceiling	LED 1-inch recessed extruded strip luminaire with a curved 45-degree distribution. Fixture shall be surface mounted to glulam wood structural beam. *Confirm finish with owner prior to final order and installation. Luminaire shall be no more than 1-inch wide and 1-inch deep. Fixture shall have angled lensing for slight asymmetric distribution.	LUMEN TRUSS - 5450 SERIES CA545X-MNC-DOS-PL750-K27-AID-FHX-**-QO-**-P010	KLUS - HR-Slim Series QTL - Micro 5 Kicker Series	500 lm/ft 2700 K, 90 CRI	Universal 0-10V MIN 1%	7.5 w/ft	Surface Mounted to Glulam Beam
<b>M3</b> Interior Stair	LED 1-inch integrated puck lights into handrail. Driver shall be remote in an accessible location. Mark on as built and provided to owner. Pucks shall be 3-feet 0-inches on center. Provide quantity of drivers as required. *Confirm handrail properties prior to submittal. **Confirm finish with architect. Fixture shall be IP66 rated minimum.	KLIK USA - LEDPod 40 SERIES LP40-27K-A-700-*	Or pre-approved alternate.	160 lm/puck 2700 K, 90 CRI	Universal 0-10V MIN 1%	2.6 W	Recessed - Interior Handrail Coordinate installation with handrail manufacturer.
<b>M3A</b> Exterior Stair	LED 1-inch integrated puck lights into handrail. Luminaire shall have asymmetric distribution. Driver shall be remote in an accessible location. Mark on as built and provided to owner. Pucks shall be 2-feet 0-inches on center. Provide quantity of drivers as required. *Confirm handrail properties prior to submittal. **Confirm finish with architect. Provide NEMA 4 rated enclosure minimum. Luminaires shall be IP66 rated minimum, enclosure shall be IP67 rated minimum, and driver shall be IP66 rated minimum.	KLIK USA - LEDPod 40 SERIES LP40-27K-A-700-*	Or pre-approved alternate.	160 lm/puck 2700 K, 90 CRI	Universal 0-10V MIN 1%	2.6 W	Recessed - Exterior Handrail
<b>M3B</b> Exterior Stair	LED 1-inch integrated puck lights into handrail. Luminaire shall have symmetric distribution. Driver shall be remote in an accessible location. Mark on as built and provided to owner. Pucks shall be 2-feet 0-inches on center. Provide quantity of drivers as required. *Confirm handrail properties prior to submittal. **Confirm finish with architect. Provide NEMA 4 rated enclosure minimum. Luminaires shall be IP66 rated minimum, enclosure shall be IP67 rated minimum, and driver shall be IP66 rated minimum.	KLIK USA - LEDPod 40 SERIES LP40-27K-S-700-*	Or pre-approved alternate.	160 lm/puck 2700 K, 90 CRI	Universal 0-10V MIN 1%	2.6 W	Recessed - Handrail
<b>M4</b> Teacher Work Room	LED 2-inch undercabinet linear light. *Provide lengths per plans. **Provide jumber cables as required.	LUMENWERX - CAB CAB-VV-90CRI-W-UNV-RDB-SUR-W-TOC-*	Juno - UPS Series Halo - HUS0M Series	355 lm/ft 2700 K, 90 CRI	Universal	6 w/ft	Surface - under cabinet.
<b>S - SUSPENDED</b>							
<b>S1</b> CAW	LED 3-inch nominal width direct cylinder. *Confirm finish with architect prior to final order and installation. **Confirm suspension length requirements prior to final order. Cylinder shall have a maximum overall height of 8-inches.	LUMENWERX - AERA 3 CYLINDER AE3CYP-D-8-CFF-BVL-CFF-SDL-SW-50DEG-2STP-90CRI-27K-NA-UNV-20W-D1-1C-FLR-CFF-BPC**IN-NA	Focal Point - ID+ 3.5 Series	2000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Suspended Fixture lens to be flush with bottom of acoustic baffle.
<b>S2</b> Classroom, Lab	LED 3-inch nominal width soft square suspended indirect-direct linear. The luminaire shall have soft profile edges and shall be less than an inch different between the height and width of the luminaire profile. Luminaire shall have separate switching of the direct and indirect light engines. *Lengths shall be confirmed from architectural RCPs. **Confirm finish with architect prior to final order and installation.	LUMENWERX - UBIK SUSPENDED UBIP-DI-HLO-WIO2-SW-90-500-1000-27-FT-UNV-D1-2C-NA-ACS-CF**BE-NA	Or pre-approved alternate.	500 dir/1000 ind 2700 K, 90 CRI	Universal 0-10V MIN 1%	22 w/ft	Suspended Fixture shall have a suspension of 18-inches from top of luminaire to finished ceiling. Minimum suspension height shall be 7-foot 8-inches from bottom of luminaire to finished floor.
<b>S4</b> Large Office	LED decorative pendant. Exact pendant is TBD. Hold \$4000 allowance.	TBD					Suspended
<b>S3</b> Library Stair	LED 3-inch nominal width direct cylinder with 35-degree distribution. *Confirm finish with architect prior to final order and installation. **Confirm suspension length requirements prior to final order. Cylinder shall have a maximum overall height of 8-inches.	LUMENWERX - AERA 3 CYLINDER AE3CYP-D-8-CFF-BVL-CFF-SDL-SW-50DEG-2STP-90CRI-27K-NA-UNV-20W-D1-1C-FLR-CFF-BPC**IN-NA	Focal Point - ID+ 3.5 Series	2000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Suspended Fixture lens to be flush with bottom of acoustic baffle.
<b>S5</b> Office, Workroom	LED 3-inch nominal width soft square suspended indirect-direct linear. The luminaire shall have soft profile edges and shall be less than an inch different between the height and width of the luminaire profile. Luminaire shall have separate switching of the direct and indirect light engines. *Lengths shall be confirmed from architectural RCPs. **Confirm finish with architect prior to final order and installation.	LUMENWERX - UBIK SUSPENDED UBIP-DI-HLO-WIO2-SW-90-500-500-27-FT-UNV-D1-2C-NA-ACS-CF**BE-NA	Or pre-approved alternate.	500 dir/500 ind 2700 K, 90 CRI	Universal 0-10V MIN 1%	22 w/ft	Suspended Fixture shall have a suspension of 18-inches from top of luminaire to finished ceiling. Minimum suspension height shall be 7-foot 8-inches from bottom of luminaire to finished floor.
<b>S7</b> Office	LED round suspended indirect-direct decorative pendant.	HILLIARD VASA CHANDELIER	No Alternates Accepted	1000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	30 w	Suspended
<b>S8</b> Stairwell	LED decorative round chandelier. *Confirm finish with architect.	ARRHUAS EMMET ROUND CHANDELIER 54-INCH	No Alternates Accepted	400 lm/bulb 2700 K, 90 CRI	120 V E12 Screw	40 w	Provide 24-inch suspension. Suspended
<b>S9</b> Office	LED decorative linear pendant. *Confirm finish with architect.	VISUAL COMFORT & CO. REMI 60-INCH LINEAR PENDANT	No Alternates Accepted	7000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	50 w	Mounting height to be coordinated with architect and lighting designer. Suspended
<b>S10</b> Reception	LED linear suspended decorative clay pendant. *Confirm finish with architect. Provide with brass canopy.	NPAGE STUDIO COLLECTION - FUNNEL LIGHT PENDANT SMALL-	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E26 Med Screw	40 w/lamp	Mounting height to be coordinated with architect and lighting designer. Suspended
<b>S10A</b> Reception	LED linear suspended decorative clay pendant. *Confirm finish with architect. Provide with brass canopy.	NPAGE STUDIO COLLECTION - FUNNEL LIGHT PENDANT Medium-	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E26 Med Screw	40 w/lamp	Suspended
<b>S10B</b> Reception	LED linear suspended decorative clay pendant. *Confirm finish with architect. Provide with brass canopy.	NPAGE STUDIO COLLECTION - FUNNEL LIGHT PENDANT XL-	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E26 Med Screw	40 w/lamp	Suspended
<b>S10C</b> Reception	LED linear suspended decorative clay pendant. *Confirm finish with architect. Provide with brass canopy.	NPAGE STUDIO COLLECTION - FUNNEL LIGHT PENDANT 3XL-	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E12 Candel Base	40 w/lamp	Suspended
<b>S10D</b> Reception	LED linear suspended decorative clay pendant. *Confirm finish with architect. Provide with brass canopy.	NPAGE STUDIO COLLECTION - FUNNEL LIGHT PENDANT TALL CONE-	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E26 Med Screw	40 w/lamp	Suspended
<b>S11</b> Library Stacks	LED suspended decorative pendant.	TROY LIGHTING - VISHAL CHANDELIER F2338-BPG	No Alternates Accepted	600 lm/lamp 2700 K, 90 CRI	120 V E26 Med Screw	10 w/lamp	Suspended
<b>S12</b> Conference	LED linear suspended decorative pendant.	ROLL & HILL ENDLESS STRAIGHT - 5 UNITS	No Alternates Accepted	7800 lm 2700 K, 90 CRI	120 V 0-10V MIN 1%	180 w	Suspended
<b>S14</b> STEM Stair	LED vertical linear decorative pendant. *Confirm finish and cone orientation with architect.	MATTER MADE LEGATO STRINGS - 6 CONES	Or pre-approved alternate.	580 lm/cone 2700 K, 90 CRI	120 V 0-10V MIN 1%	3.6 W/cone	Suspended
<b>S15</b> Group Study	LED shaded linear suspended decorative pendant. *Confirm finish with architect.	ARRHAUS RHODES LINEAR CHANDELIER - 6 LIGHT	Or pre-approved alternate.	400 lm 2700 K, 90 CRI	120 V E12 Screw	60 w	Mounting height to be coordinated with architect and lighting designer. Suspended

Notes:  
1. SEE SHEET E901A FOR LUMINAIRE SCHEDULE NOTES.

March 13, 2026



**FOUNTAIN VALLEY SCHOOL ACADEMIC CENTER**

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COLORADO SPRINGS, CO 80911

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720.580.8510

**LABORATORY DESIGN**  
RESEARCH FACILITIES DESIGN  
3905 5TH AVE, SUITE 400, SAN DIEGO, CA 92103  
619.297.1159

THIS SQUARE APPEARS 1/2" X 1/2" ON FULL SIZE SHEETS

12.19.2025 L/F PROJ NO. 23052  
PROJ. ARCHITECT DRAWN BY: AEI

DATE	ISSUE
03.19.2025	100% SCHEMATIC DESIGN
07.03.2025	50% DESIGN DEVELOPMENT
08.22.2025	100% DESIGN DEVELOPMENT
11.14.2025	50% CONSTRUCTION DOCUMENTS
12.19.2025	BID SET

NO.	DATE	DESCRIPTION
1	03.24.2026	AS1 01

**BID SET**

**ELECTRICAL SCHEDULES**

**E900A**

**LUMINAIRE SCHEDULE**

TYPE APPLICATION	LUMINAIRE DESCRIPTION	BASIS OF DESIGN MODEL NUMBER	PRE-APPROVED ALTERNATES	LIGHT ENGINE DELIVERED LUMENS CCT, CRI	DRIVER/ POWER SUPPLY	ENERGY	MOUNTING STYLE, INSTALLATION REMARKS
<b>F - TABLE LAMP, FLOOR LAMP</b>							
F1 Library	LED Table Lamp	ARTEMIDE - ALFA 002601DA	Or pre-approved alternate.	700 lm 2700 K, 80 CRI	120 V E14 Screw	12 W	
FE1 STEM Terrace	LED exterior bollard with 360 deg distribution. *Confirm finish with landscape architect prior to final order and installation.	ARCLUCE - MIKO Bollard T095338X	Or pre-approved alternate.	1800 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 W	Stake Mounted
<b>T - TRACK</b>							
T1 CAW	LED 2-inch adjustable magnetic track head. Fixture shall be compatible with Type T2 track. *Confirm finish with architect prior to order and installation.	LUMENWERX - PIVOT TRACK RECESSED PIV/DT-2.65IN-SW-FLD-95CRI-700LM-27K-SDB-CF#-FH-CF#-USC	MP lighting - L225 Series BASO - Milne Spot 32 Series	700 lm 2700 K, 95 CRI	Low Voltage	10 W	Magnetic Track
T2 CAW	Low Voltage surface mounted track mounted in recessed architectural pocket. Coordinate with structural beam manufacturer and architect on size of pocket. *Provide length as shown in architectural rcp's, plans, and details. **Confirm finish with architect prior to order and installation.	LUMENWERX - PIVOT TRACK SURFACE PIV/SLIN-FIT-IN-NA-UNV-RD1-USC-1C1CCUD-NA-DRC-CF#*-NA	MP lighting - Single Circuit Track BASO - Milne Series	NA NA	Universal 0-10V MIN 1%	6 wft	Surface in Architectural Channel Recessed in wood structural beam in architectural slot.
<b>W - WALL MOUNTED DECORATIVE, ACCENT, OR ASYMMETRIC; WE - EXTERIOR WALL MOUNTED</b>							
W1 Library	LED Adjustable cylinder with 60-degree flood distribution. *Confirm finish with architect prior to order and installation.	LUMENWERX - AERA 3 FLEX CYLINDER AEXFXCYS-D-4.5IN-CF#-BVL-CF#-CL-SW-60DEG-2STP-90CRI-27K-NA-UNV-14W-D1-FLR-CF#	Ecoense - RISE F080 Baso - Spot 2.0	1500 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 w	Surface
W2 Collab, Focus	LED decorative wall mount.	SCOTT LAMP COMPANY - MODEL 6599 6599	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V E26 Med Screw	40 w/lamp	Surface
W3 Corridors	LED custom length artlight. Exact lengths shall be determined once art is selected. Installation shall have no visible wiring. Installation shall neat. *Provide lengths as indicated on architectural RCP's, Plans, and Elevations. **Confirm finish with architect prior to final order and installation. Luminaire shall have an R9 value of greater than 60. Luminaire shall be available continuous up to 60-inches.	REVELITE - ART LIGHT AL1*-R-H27	Or pre-approved alternate.	470 lmft 2700 K, 90 CRI	Universal 0-10V MIN 1%	5 wft	Surface to Wall. Luminaire shall be mounted so that light source is above ADA height restrictions.
W6 Corridors	LED custom decorative punched copper metal wall sconce.	ISAC MAXWELL - CUSTOM DESIGNED WALL SCONCE	No Alternates Accepted	600 lm 2700 K, 90 CRI	120 V Phase Dim	40 w/lamp	Surface
W7 Exterior Seating	LED linear recessed step lights. Fixture shall have reclinaire form factor with no more than a U1 per IES standards. *Confirm finish with architect prior to final order and installation.	BEGA - WALL LUMINAIRE B33053-K27-CUS*	Hess - STI Series Targetti - Zedje Line Series	230 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	6 W	Recessed Wall
W7a Terrace	LED linear recessed step lights. Fixture shall have reclinaire form factor with no more than a U1 per IES standards. *Confirm finish with architect prior to final order and installation.	BEGA - WALL LUMINAIRE B33053-K27-CUS*	Hess - STI Series Targetti - Zedje Line Series	230 lm 2700 K, 90 CRI	120 V Universal 0-10V MIN 1%	6 W	Recessed Wall
W8 Ramp	LED wall mounted step light.	BEGA - WALL LUMINAIRE B33053-K27-CUS*	Hess - STI Series Targetti - Zedje Line Series	230 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	6 W	Recessed Wall
WE1 Portal	LED decorative wall sconce. Exact sconce is TBD. Hold \$1500 allowance.						
<b>X - EMERGENCY LIGHTING EQUIPMENT; XE - EXTERIOR EMERGENCY EQUIPMENT; -X - SUFFIX INDICATING UL924-COMPLIANT EMERGENCY BATTERY OUR TRANSFER DEVICE</b>							
X1 Varies	LED universal mount edge lit exit sign. *Provide mounting as indicated on plans. **Provide single/double face as indicated on plans. ***Provide arrows as indicated on plans. ****Confirm finish with architect prior to final order and installation. Provide with mirror insert.	DUAL-LITE - LES Series LES-**-R-**-**A-M	Lithonia - EDG-EDGR Series Emerlight - Prestige Series	Red on Mirror	Universal	5 w	Varies
X2 Varies	LED round lens industrial strip light. Provide with chain hanger kit.	COLUMBIA LIGHTING - MPS STRIPLIGHT MPS-4-35-HL-CW-ED1U-C59h	Lithonia - CLX Series Metalex - SNX Series	5000 3500 K, 90 CRI	Universal 0-10V MIN 1%	50 w	Suspended
X3 Varies	LED vaporite strip light with IP65 rating. Fixture shall have ribbed frosted polycarbonate lensing. Fixture shall be surface mounted to wall.	COLUMBIA LIGHTING - LXM VAPORITTE STRIPLIGHT LXM-4-35-HL-RFP-ED1-U	Lithonia - CSVT Series Fall Safe - VRYT1 Series	5000 3500 K, 90 CRI	Universal 0-10V MIN 1%	50 w	Surface to Wall.
X4 Varies	LED back of house outdoor wall mounted wall pack. Fixture shall have type 4 wide distribution.	BEACON - VPW1 Viper Wall VPW-2-48L-20-35K8-4W-UNV-DBT	Lithonia WDG Series McGraw Edison - Gekko Series	3000 lm 2700 K, 90 CRI	Universal 0-10V MIN 1%	20 W	Wall mount.
<b>PE - EXTERIOR POLE</b>							
L1 Site	LED exterior 12-foot pedestrian pole with arm mount lantern style type II area light. Fixture shall have a U0 in accordance with IES standards. *Confirm finish with landscape architect prior to final order and installation.	LUMCA - LIO SERIES LIO-M-SM-A-05-18LED05-277-L3-30K-C80-**-DIMBOX-LF6-CF80-LIO-24*	Or pre-approved alternate.	3000 lm 3000 K, 90 CRI	Universal 0-10V MIN 1%	30 W	12-foot Round Steel Pole Arm Mount Lantern Style
L1A Site	LED exterior 20-foot pedestrian pole with arm mount lantern style type III area light. Fixture shall have a U0 in accordance with IES standards. *Confirm finish with landscape architect prior to final order and installation.	LUMCA - LIO SERIES LIO-M-SM-A-05-24LED05-277-L3-30K-C80-**-DIMBOX-LF6-CF80-LIO-24*	Or pre-approved alternate.	4500 lm 3000 K, 90 CRI	Universal 0-10V MIN 1%	40 W	20-foot Round Steel Pole Arm Mount Lantern Style
L1B Site	LED exterior 12-foot pedestrian pole with arm mount lantern style type IV area light. Fixture shall have a U0 in accordance with IES standards. *Confirm finish with landscape architect prior to final order and installation.	LUMCA - LIO SERIES LIO-M-SM-A-05-18LED05-277-L4-30K-C80-**-DIMBOX-LF6-CF80-LIO-24*	Or pre-approved alternate.	3000 lm 3000 K, 90 CRI	Universal 0-10V MIN 1%	30 W	12-foot Round Steel Pole Arm Mount Lantern Style
L1C Passo	LED exterior 12-foot pedestrian pole with double arm mount lantern style type II area light. Fixture shall have a U0 in accordance with IES standards. *Confirm finish with landscape architect prior to final order and installation.	LUMCA - LIO SERIES LIO-M-SM-A-05-18LED05-277-L2B-30K-C80-**-DIMBOX-LF6-CF80-LIO-24*	Or pre-approved alternate.	3000 lm 3000 K, 90 CRI	Universal 0-10V MIN 1%	30 W	12-foot Round Steel Pole Arm Mount Lantern Style
L2 Site	LED exterior bollard with asymmetric wide beam distribution. *Confirm finish with landscape architect prior to final order and installation.	BEGA - BOLLARD WIDE SPREAD B99058-K27-BLK-AWB	Or pre-approved alternate.	1300 lumens 3000 K, 90 CRI	Universal 0-10V MIN 1%	15 W	Bollard

- Notes:
- REFER TO SPECIFICATION SECTION 28 50 00 FOR ADDITIONAL REQUIREMENTS.
  - VERIFY ALL LUMINAIRE MOUNTING LOCATIONS WITH ARCHITECTURAL, REFLECTED CEILING PLANS, ELEVATIONS, DETAILS, ETC. PRIOR TO ROUGH-IN.
  - VOLTAGE INDICATES INTENDED SUPPLY VOLTAGE. PROVIDE UNIVERSAL (120/277V) INPUT WHERE AVAILABLE AND STEP-DOWN TRANSFORMATION AS REQUIRED.
  - ALL LUMINAIRES ARE TO BE SUPPLIED WITH 0-10V DIMMABLE LED DRIVERS UNLESS OTHERWISE INDICATED. WHERE DIMMING IS NOT INDICATED, CAP PURPLE AND GRAY CONTROL WIRES FOR FUTURE USE.
  - DIMMING RANGE SHALL BE 100%-1% OR LOWER RANGE AS SPECIFIED. WHERE CUSTOM OUTPUT DRIVERS ARE USED, MINIMUM RANGE MUST BE BASED ON OUTPUT SPECIFIED.
  - ALL FINISHES TO BE CONFIRMED IN SUBMITTAL PROCESS. WHERE FINISH IS INDICATED AS "TBD" OR "XXX", SUBMIT SAMPLES OF ALL STANDARD OPTIONS FOR SELECTION BY THE ARCHITECT. WHERE A PREMIUM FINISH IS INDICATED INCLUDE NEXT TIER FINISH SAMPLES.
  - CEILING TRIMS, RUN LENGTHS, OR ANY ACCESSORY NOMENCLATURE ENTERED AS "XX" ARE TO BE VERIFIED AND COORDINATED BY THE CONTRACTOR.
  - IN THE EVENT OF A DISCREPANCY WRITTEN REQUIREMENTS SHALL SUPERCEDE CATALOG NOMENCLATURE.
  - COMPLETE PART NUMBERS ARE NOT GIVEN FOR THE LISTED ALTERNATES. IT IS THE RESPONSIBILITY OF THE BIDDER TO INCLUDE ALL OPTIONS AND ACCESSORIES TO MATCH THE BASIS OF DESIGN.
  - WRITTEN DISCREPTIONS SUPERCEDE PART NUMBER.

ARCHITECTS INC.

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March 13, 2026

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 720.580.8510

**LABORATORY DESIGN**  
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 619.297.0159

THIS SQUARE APPEARS 1/2"X1/2" ON FULL SIZE SHEETS

12.19.2025 L/F PROJ NO. 23052  
 PROJ. ARCHITECT DRAWN BY: AEI

DATE	ISSUE
03.19.2025	100% SCHEMATIC DESIGN
07.03.2025	50% DESIGN DEVELOPMENT
08.22.2025	100% DESIGN DEVELOPMENT
11.14.2025	50% CONSTRUCTION DOCUMENTS
12.19.2025	BID SET

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1	03.24.2026	ASI 01

**BID SET**

**ELECTRICAL SCHEDULES**

**E901A**