

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 001

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 07/08/2016

Contract Date:

Reason Code: 05 A/E Scope

Discipline Code: 03 Electrical

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

Drawings: E0001, E0201.A, E0201.B, E0202.A, E0701, and E0702.

St. Louis
Baltimore
Boston
Buffalo
Calgary
Chicago
Houston
Los Angeles
Mumbai
New York
Phoenix
San Francisco
Shanghai
Toronto
Vancouver
Victoria
Washington DC

Architect's Supplemental Instructions

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Description:

DRAWINGS

1. E0001 – Electrical Site Plan
 - A. Delete 12 Type EJ fixtures.
 - B. Relocate and replace five (5) Type EF36 bollards with five (5) Type EL bollards equipped with integral receptacles. Provide two 120 volt branch circuits to serve the receptacles.
 - C. Replace three (3) Type EG5 pole mounted lights with three (3) Type EG5R fixtures to add receptacles to the fixtures. Provide one 120 volt branch circuit to serve receptacles.
 - D. Add general note “J” to adjust exterior lighting dimming levels once lights are installed and operational.
 - E. Revise keyed note “L18” to clarify desired location of remote drivers.
 - F. Add keyed notes “L34”, “L35”, and “L39” identifying the panel and circuit to connect the site receptacles.
 - G. Revise tag indicating “(8)EH,2,eh” to read “(9)EH,2,eh”, matching the number of Type EH fixtures shown.
 - H. Add one (1) Type EE fixture and revise spacing of Type EE fixtures to match current mullion configuration.
 - I. Add one (1) Type EH recessed wall light with black finish.
2. E0201.A – Level 01 Area A Floor Plan – Lighting
 - A. Revise general notes “E” and “I”.
 - B. Add two (2) Type CB wall mounted lights and two (2) switches in elevator pit.
3. E0201.B – Level 01 Area B Floor Plan – Lighting
 - A. Add keyed note “L38” to require Type RC fixtures in Lecture Hall be equipped with .1% dimming drivers.
 - B. Replace one RA4 fixture with one RB4 fixture to match drywall ceiling in room 160C.
 - C. Replace one RA6/RA7C fixture with one RB6/RB7C fixture to match drywall ceiling in room C153.

Architect's Supplemental Instructions

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4. E0202.A – Level 02 Area A Floor Plan – Lighting
 - A. Replace one RA8 fixture with one RB8 fixture to match drywall ceiling in Stair 2-2.
 - B. Replace one RA6/RA9C fixture with one RB6/RB9C fixture to match drywall ceiling in Corridor C270.
5. E0701 – Light Fixture Schedule
 - A. Revise fixture Types EG3 and EG5 to include a 5" aluminum pole.
 - B. Add fixture Type EG5R, adding a receptacle to the Type EG5 pole.
 - C. Delete fixture Type EJ.
 - D. Add fixture Type EL, Bega bollard with integral receptacle.
 - E. Add fixture Types RB7C and RB9C.
6. E0702 – Light Fixture Schedule
 - A. Revise fixture Types RR4X4 and RR6X8 to be compatible with a drywall ceiling.

Please submit an itemized proposal for changes in contract Sum and Contract Time for proposed modifications to the Contract Documents described herein:

Issued by Architect:

Kelvin Patel, Cannon Design

Accepted by Contractor:

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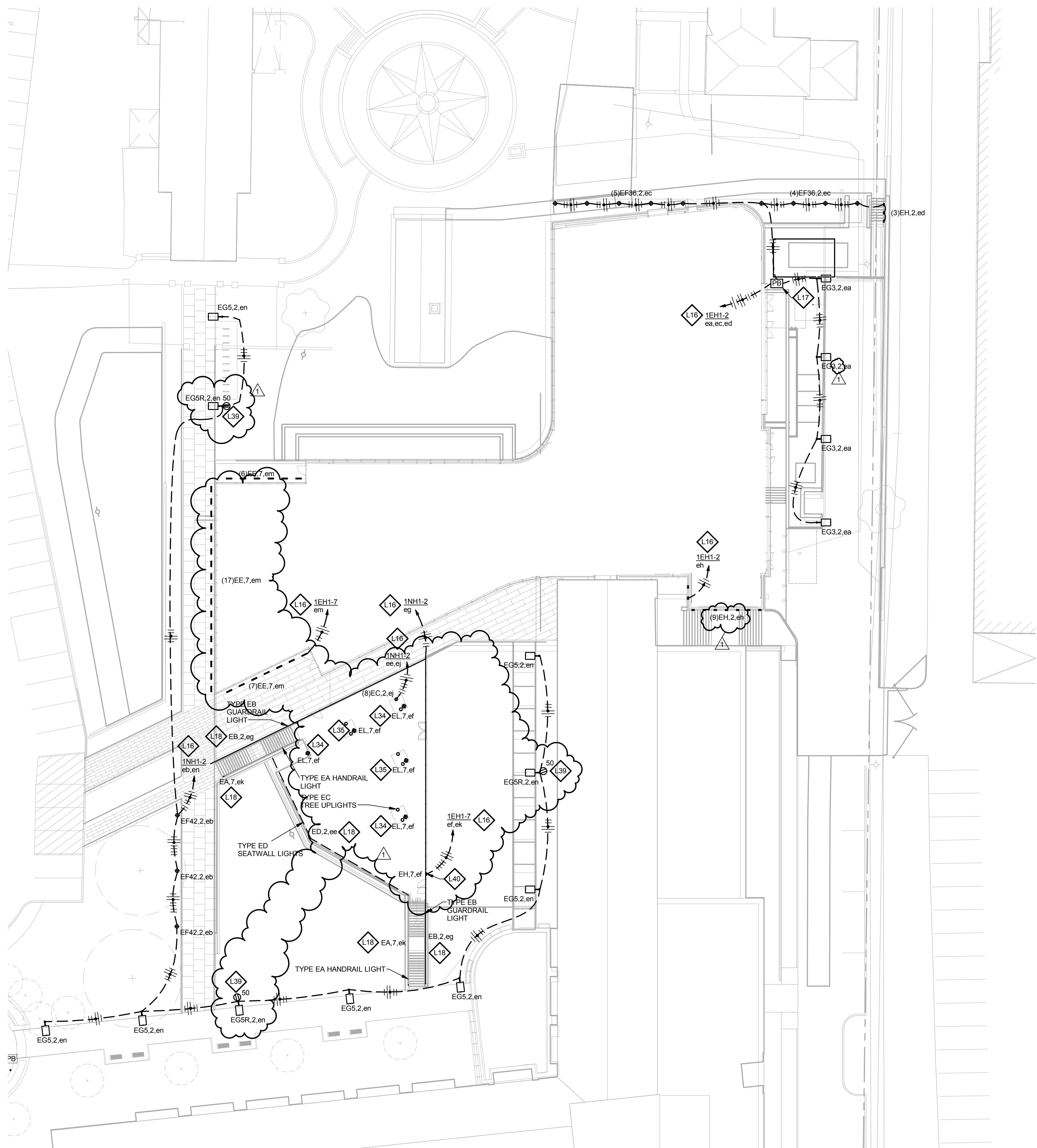
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St. Louis, MO 63104
314.588.0600

GENERAL NOTES:

- A. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
- B. CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- C. PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- D. WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH-IN. EXPOSED CONDUIT SHALL BE ROUTED THRU TO STRUCTURE.
- E. MINIMUM 0-10V CONTROL WIRE SIZE SHALL BE #18 (#16 FOR RUNS LONGER THAN 400').
- F. ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A-1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 M-LT-WIRE-BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- G. SHADED FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL 1EH1 UNLESS OTHERWISE NOTED.
- H. FIXTURES NOTED WITH "NL" ARE UN-SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- I. ALL EXTERIOR LIGHTING SHALL BE CONNECTED TO THE BUILDING AUTOMATION LIGHTING CONTROL SYSTEM.
- J. CONTRACTOR AND LIGHTING CONTROL SYSTEM PROGRAMMER SHALL ADJUST EXTERIOR LIGHTING DIMMING LEVELS. COORDINATE AND ATTEND MEETING WITH ARCHITECT AND ENGINEER AFTER DARK, AT A MUTUALLY AGREED UPON TIME, TO MAKE ADJUSTMENTS.

➤ KEYED NOTES

- L16 ROUTE CIRCUIT(S) VIA LIGHTING CONTROL SYSTEM. FOR EACH DIMMABLE SWITCH LEG, PROVIDE BOTH POWER AND CONTROL WIRING TO FIXTURES.
- L17 PROVIDE QUAZITE 22,500 LB. RATED, POLYMER CONCRETE 13"x24"x18"D HANDHOLE (PG-224) AND SEC COVER WITH PG-324B (600) OR AFF. PROVIDE EQUI.
- L18 LOCATE REMOTE DRIVERS WITHIN BUILDING ABOVE ACCESSIBLE CEILING OR IN ELECTRICAL CLOSET. COORDINATE LOCATION WITH ENGINEER PRIOR TO ROUGH-IN. WIRING SHALL NOT EXCEED MANUFACTURER'S RECOMMENDED DISTANCE LIMITATION.
- L34 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1N1.CIRCUIT 46.
- L35 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1N1.CIRCUIT 48.
- L39 CONNECT LIGHTING POLE GFCI RECEPTACLE TO PANEL 1N1.CIRCUIT 50.
- L40 PROVIDE BLACK FINISH ON TYPE EH AT THIS LOCATION. LOCATE 24" AFF.



3 ELECTRICAL SITE PLAN

1" = 20'-0"

1	ASI-001	08 JULY 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

ELECTRICAL SITE PLAN

Project No.: 04561.01 Checked by:

E0001

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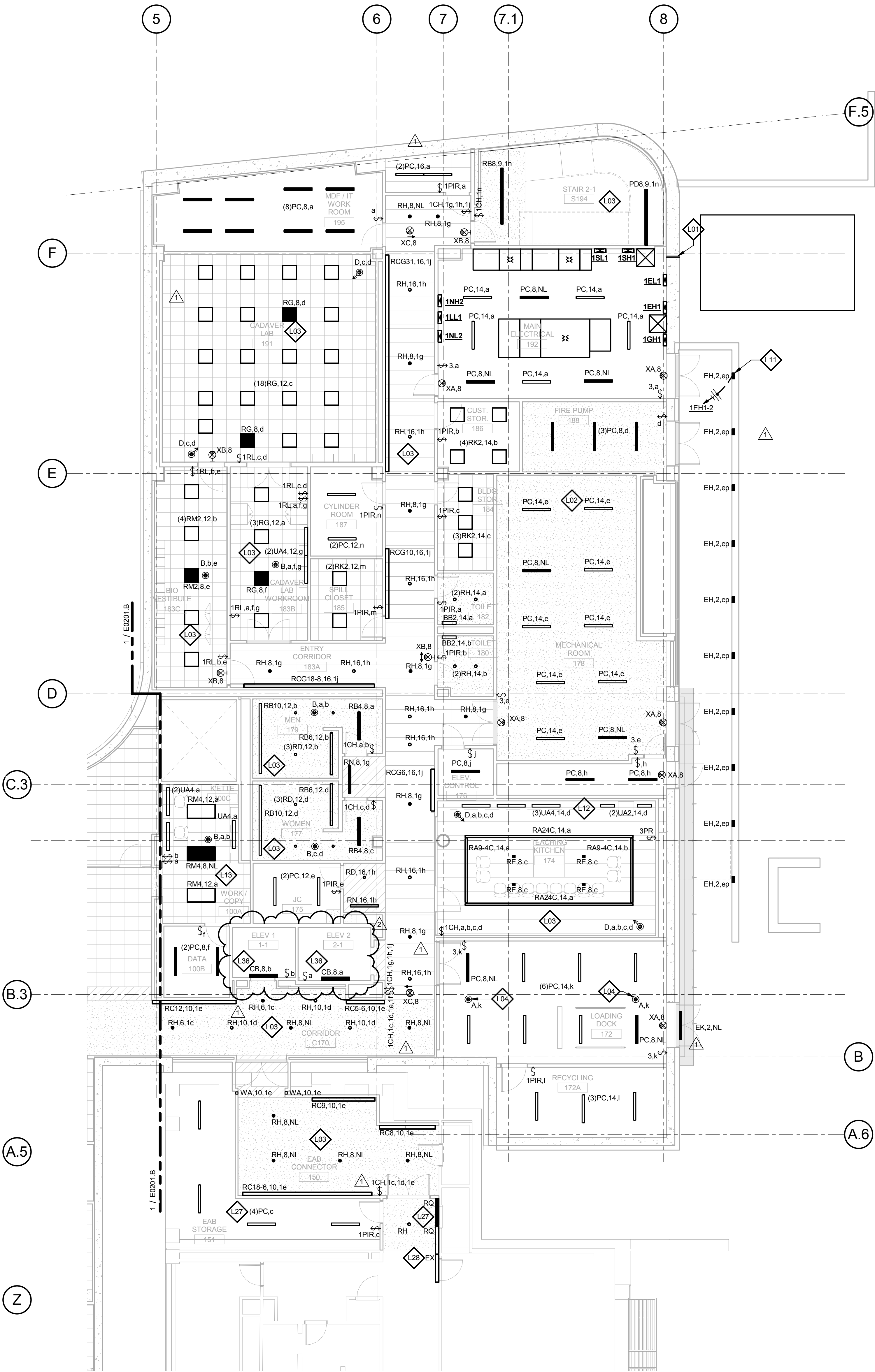
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- B. CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- C. PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- D. WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH-IN. EXPOSED CONDUIT SHALL BE ROUTED TO STRUCTURE.
- E. MINIMUM 0-10V CONTROL WIRE SIZE SHALL BE #18 (#16 FOR RUNS LONGER THAN 400'). DO NOT MIX 0-10V LOW VOLTAGE AND LINE VOLTAGE WIRING UNLESS APPROVED BY CONTROL'S MANUFACTURER.
- F. ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A-1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- G. SHADED FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL 1EH1.
- H. FIXTURES NOTED WITH "NL" ARE UN-SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- I. WHERE A SWITCH WITH A "D" IS CALLED OUT, PROVIDE LUTRON DIVA 0-10V WALLBOX DIMMER WITH INTEGRAL RELAY. COORDINATE DIMMER VOLTAGE WITH CIRCUIT. WHERE A "3D" IS CALLED OUT, CONFIGURE DIMMER FOR 3-WAY DIMMING.
- J. CONNECT NON-EMERGENCY 277V LIGHTING ON THIS FLOOR TO PANEL 1NH1. CONNECT SHADES TO NEAREST 120V PANEL.

KEYED NOTES

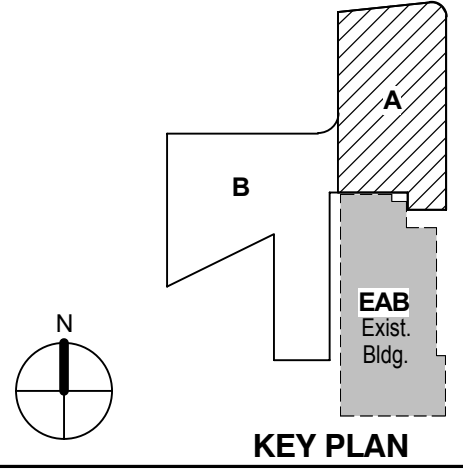
- L01** PROVIDE CONDUIT SLEEVE(S) IN FOUNDATION WALL FOR WATER TIGHT SEAL OF ELECTRICAL SITE LIGHTING CONDUIT(S).
- L02** COORDINATE LOCATION OF PENDANT MOUNTED LIGHTS WITH OTHER TRADES, TO AVOID PIPING, DUCTWORK, AND OTHER EQUIPMENT.
- L03** THE LIGHTING CONTROLS IN THIS ROOM ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
- L04** PROVIDE PENDENT MOUNTED OCCUPANCY SENSORS MOUNTED AT SAME ELEVATION AS LIGHTS, AND WITH A CLEAR UNOBSTRUCTED VIEW OF THE AREA.
- L11** MOUNT STEP LIGHTS 2" AFF.
- L12** COORDINATE EXACT LOCATION OF ALL UNDERCABINET LIGHTS WITH CABINETS, COUNTER EQUIPMENT, AND ARCHITECT/ENGINEER. CONNECT TO STAND ALONE OCCUPANCY SENSOR OR BUILDING LIGHTING CONTROL SYSTEM SERVING ROOM.
- L13** PROVIDE SQUARE-D AUTOMATIC LOAD CONTROL RELAY (OR APPROVED EQUAL) TO CONTROL SWITCHED LIFE SAFETY LIGHTS IN THIS ROOM. CONFIGURE RELAY TO ENSURE LIGHTS ENERGIZE UPON LOSS OF NORMAL POWER. PROVIDE DIMMING RELAY WHERE A DIMMER CONTROLS THE LIGHTS.
- L27** CONNECT NEW LIGHTING IN EAB TO EXISTING CIRCUIT SERVING EAB LIGHTING.
- L28** MODIFY EXTEND EXISTING LIGHT FIXTURE TO PROVIDE A CONTINUOUS LINE OF LIGHT.
- L36** COORDINATE LOCATION OF ELEVATOR PIT LIGHTS AND SWITCHES WITH OTHER EQUIPMENT IN ELEVATOR PIT.



LEVEL 01 - AREA A - LIGHTING PLAN

1/8" = 1'-0"

2	ASI-001	08 JULY 2016
1	ADDENDUM 2-2	19 APRIL 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date



KEY PLAN

LEVEL 01 AREA A FLOOR PLAN - LIGHTING

Project No.: 04561.01 Checked by:

E0201.A

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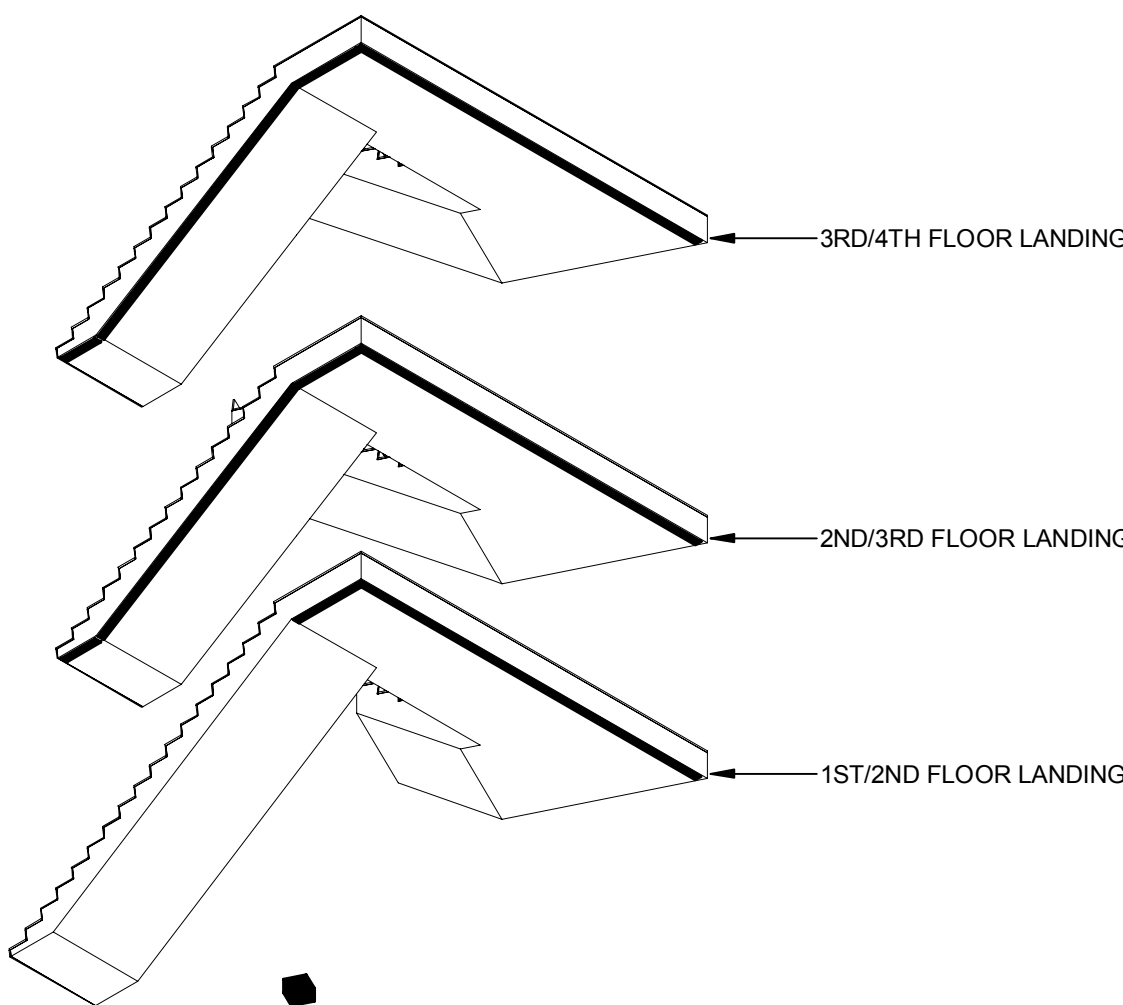
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- PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH-IN. EXPOSED CONDUIT SHALL BE ROUTED TIGHT TO STRUCTURE.
- MINIMUM 0-10V CONTROL WIRE SIZE SHALL BE #18 (#16 FOR RUNS LONGER THAN 400') DO NOT MIX 0-10V LOW VOLTAGE AND LINE VOLTAGE WIRING UNLESS APPROVED BY CONTROLS MANUFACTURER.
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A-1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- SHADED FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL 1EH1.
- FIXTURES NOTED WITH "NL" ARE UN-SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- WHERE A SWITCH WITH A "D" IS CALLED OUT, PROVIDE LUTRON DVA 0-10V WALLBOX DIMMER WITH INTEGRAL RELAY. COORDINATE DIMMER VOLTAGE WITH CIRCUIT. WHERE A "3D" IS CALLED OUT, CONFIGURE DIMMER FOR 3-WAY DIMMING.
- CONNECT NON-EMERGENCY 277V LIGHTING ON THIS FLOOR TO PANEL 1NH1. CONNECT SHADES TO NEAREST 120V PANEL.

KEYED NOTES

- THE LIGHTING CONTROLS IN THIS ROOM ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
- PROVIDE SQUARE-D AUTOMATIC LOAD CONTROL RELAY (OR APPROVED EQUAL) TO CONTROL SWITCHED LIFE SAFETY LIGHTS IN THIS ROOM. CONFIGURE RELAY TO ENSURE LIGHTS ENERGIZE UPON LOSS OF NORMAL POWER. PROVIDE DIMMING RELAY WHERE A DIMMER CONTROLS THE LIGHTS.
- OWNER FURNISHED. CONTRACTOR INSTALLED EXAM LIGHTS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DETAILS FOR MOUNTING STRUCTURE.
- PROVIDE 120 VOLT CIRCUIT FOR MOTORIZED SHADES. COORDINATE WIRING REQUIREMENTS AND LOCATIONS WITH SHADE VENDOR.
- PROVIDE MOTORIZED SHADE SYSTEM CONTROL KEYPAD AND CONFIGURE TO OPERATE MOTORIZED SHADES. REFER TO APPROVED SHOP DRAWINGS FOR SYSTEM WIRING.
- REFER TO SHEET A0501.B FOR STAIR DETAILS. LOCATE REMOTE DRIVERS FOR STAIRWELL FIXTURES IN AN ACCESSIBLE LOCATION. COORDINATE REMOTING DETAILS WITH MANUFACTURER.

ALL DIMENSIONS ARE UNDER THE DIRECTION OF THE ENGINEER.

LECTURE HALL TYPE RC FIXTURES SHALL BE EQUIPPED WITH .1% DIMMING DRIVERS.



REFER TO ARCHITECTURAL STAIR SECTIONS FOR FIXTURE MOUNTING.

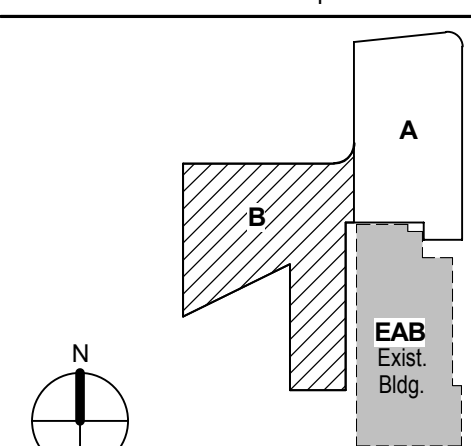
2 STAIRWELL LIGHTING CONCEPT

1 LEVEL 01 - AREA B - LIGHTING PLAN

1/8" = 1'-0"

3	ASH-001	08 JULY 2016
2	ADDENDUM 2-2	19 APRIL 2016
1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016

No.	Description	Date
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Drawing Title:

LEVEL 01 AREA B FLOOR PLAN - LIGHTING

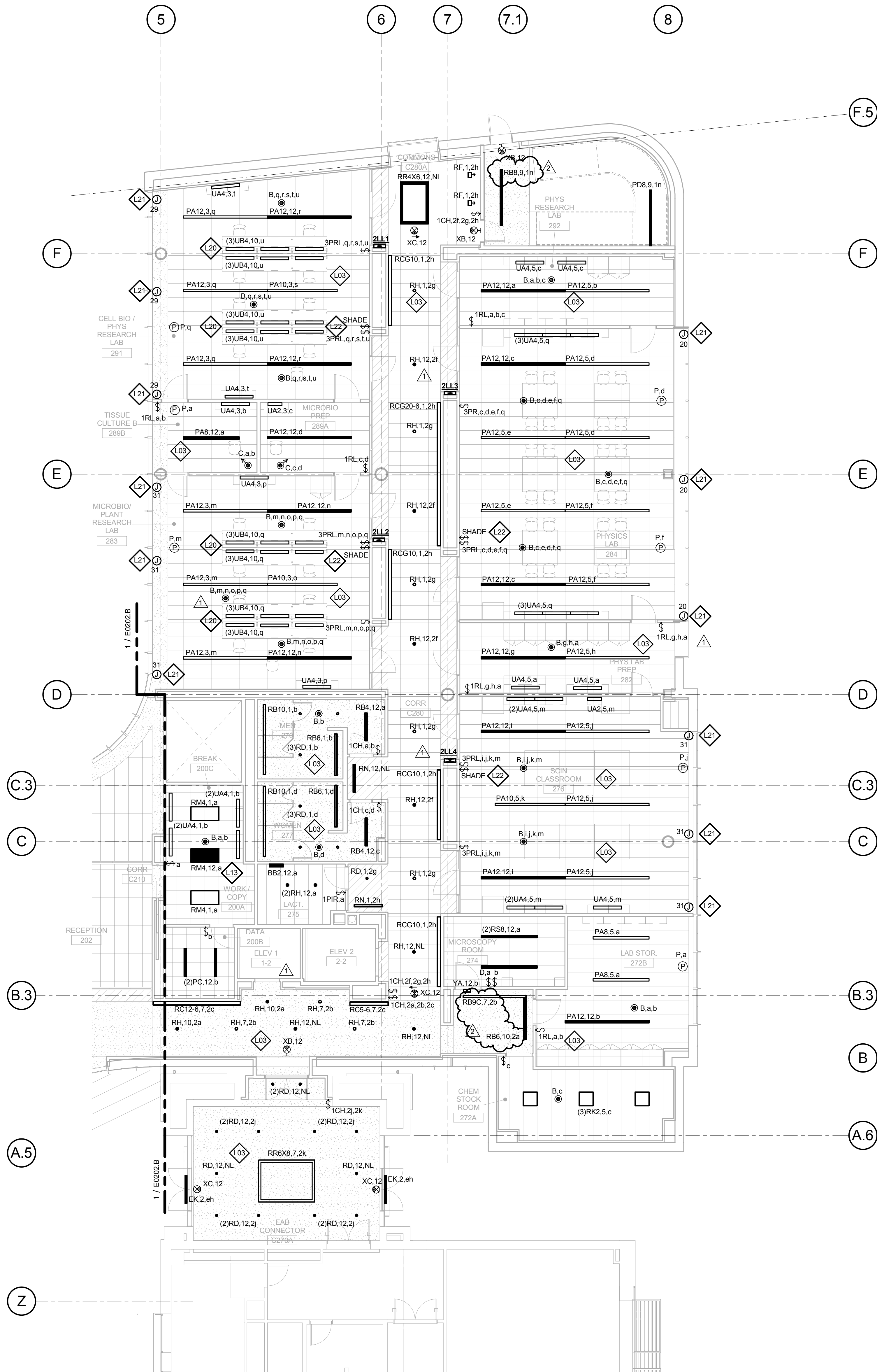
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1 LEVEL 02 - AREA A - LIGHTING PLAN
1/8" = 1'-0"

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- WHERE A SWITCH WITH A "D" IS CALLED OUT, PROVIDE LUTRON DIVA 0-10V WALLBOX DIMMER WITH INTEGRAL RELAY. COORDINATE DIMMER VOLTAGE WITH CIRCUIT. WHERE A "3D" IS CALLED OUT, CONFIGURE DIMMER FOR 3-WAY DIMMING.
- CONNECT NON-EMERGENCY 277V LIGHTING ON THIS FLOOR TO PANEL 2NH1. CONNECT SHADES TO 120V PANEL SERVING LAB.

KEYED NOTES

- L03** THE LIGHTING CONTROLS IN THIS ROOM ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
- L13** PROVIDE SQUARE-D AUTOMATIC LOAD CONTROL RELAY (OR APPROVED EQUAL) TO CONTROL SWITCHED LIFE SAFETY LIGHTS IN THIS ROOM. CONFIGURE RELAY TO ENSURE LIGHTS ENERGIZE UPON LOSS OF NORMAL POWER. PROVIDE DIMMING RELAY WHERE A DIMMER CONTROLS THE LIGHTS.
- L20** CONNECT 120 VOLT, TYPE UB4, MAGNETICALLY MOUNTED UNDERCABINET LIGHTING TO DEDICATED LIGHTING CIRCUIT IN OVERHEAD CARRIER. ROUTE CIRCUIT VIA LIGHTING CONTROL SYSTEM. COORDINATE REMOTE DRIVER LOCATION WITH FURNITURE. PROVIDE ONE REMOTE DRIVER PER MOVABLE TABLE.
- L21** PROVIDE 120 VOLT CIRCUIT FOR MOTORIZED SHADES. COORDINATE WIRING REQUIREMENTS AND LOCATIONS WITH SHADE VENDOR.
- L22** PROVIDE MOTORIZED SHADE SYSTEM CONTROL KEYPAD AND CONFIGURE TO OPERATE MOTORIZED SHADES. REFER TO APPROVED SHOP DRAWINGS FOR SYSTEM WIRING.

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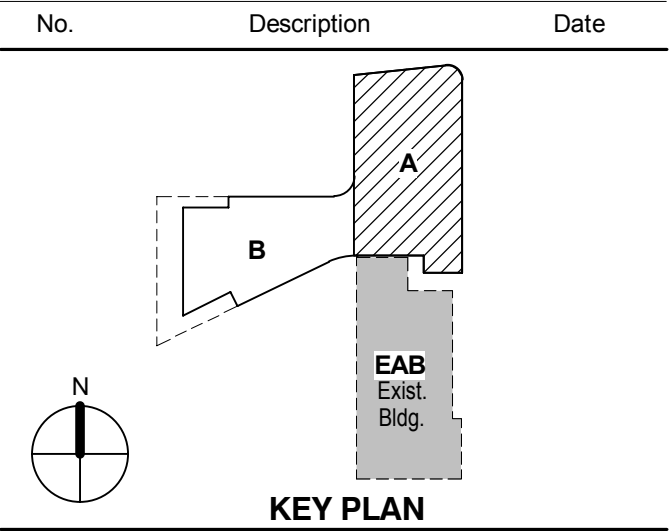
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2	ASI-001	06 JULY 2016
1	ADDENDUM 2-2	19 APRIL 2016
1	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016



Drawing Title:

**LEVEL 02 AREA A FLOOR
PLAN - LIGHTING**

Project No.: 04561.01 Checked by:

E0202.A

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LIGHTING FIXTURE SCHEDULE 1 OF 3													
TYPE (I)	GENERAL DESCRIPTION, ACCESSORIES, AND APPLICATION	LIGHT SOURCE DATA				DRIVER/BALLAST			FIXTURE VOLTAGE	INPUT POWER	MANUFACTURER AND CATALOG NUMBER SERIES (V)	NOTES (VI)	
		TYPE (II)	QTY X WATTS/ LAMP	LAMP CODE / LED MODULE	LED DELIVERED LUMENS	LED L70 RATED LIFE	CONTROL TYPE (III)	DIMMING ENABLED TO					
BA2	WALL MOUNTED, 4.75" WIDE X 5.5" DEEP X 2' LONG, 3000K LINEAR LED FIXTURE WITH DIRECT DISTRIBUTION, FLUSH OPAL LENS, AND REMOTE DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,000	50,000	0-10V DIM	10%	277	0 W 9 W	AXIS BBWDL2-B3-MF-500-80-30-SO-LENGTH-FINISH -277-D-1-REMOTE Pinnacle, MARK, FINELITE	2.4,11	
BA3-8	WALL MOUNTED, 4.75" WIDE X 5.5" DEEP X 3'-8" LONG, 3000K LINEAR LED FIXTURE WITH DIRECT DISTRIBUTION, FLUSH OPAL LENS, AND REMOTE DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,875	50,000	0-10V DIM	10%	277	16 W	AXIS BBWDL2-B3-MF-500-80-30-SO-LENGTH-FINISH -277-D-1-REMOTE Pinnacle, MARK, FINELITE	2.4,11	
BA13-6	WALL MOUNTED, 4.75" WIDE X 5.5" DEEP X 13'-6" LONG, 3000K LINEAR LED FIXTURE WITH DIRECT DISTRIBUTION, FLUSH OPAL LENS, AND REMOTE DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	6,750	50,000	0-10V DIM	10%	277	58 W	AXIS BBWDL2-B3-MF-500-80-30-SO-LENGTH-FINISH -277-D-1-REMOTE Pinnacle, MARK, FINELITE	2.4,11	
BA20	WALL MOUNTED, 4.75" WIDE X 5.5" DEEP X 20' LONG, 3000K LINEAR LED FIXTURE WITH DIRECT DISTRIBUTION, FLUSH OPAL LENS, AND REMOTE DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	10,000	50,000	0-10V DIM	10%	277	86 W	AXIS BBWDL2-B3-MF-500-80-30-SO-LENGTH-FINISH -277-D-1-REMOTE Pinnacle, MARK, FINELITE	2.4,11	
BB2	WALL MOUNTED, DECORATIVE LED SCONE WITH ACRYLIC SHADES AND INTEGRAL 0-10V DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,200	50,000	0-10V DIM	10%	277	20 W	TECH LIGHTING 700BCALD-Y-FINISH-LED830-277 WAC BRINK	1	
BC15	WALL MOUNTED, 4.75" WIDE X 5.5" DEEP X 15' LONG, 3000K LINEAR LED FIXTURE WITH INDIRECT/DIRECT DISTRIBUTION, FLUSH OPAL LENS, AND REMOTE DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	15,000	50,000	0-10V DIM	10%	277	133 W	AXIS BBWDL2-B3-MF-400UP-640DOWN-80-30-SO-LENGTH-FINISH-277-D-1-REMOTE Pinnacle, MARK, PRUDENTIAL	2.4	
CA	CEILING SURFACE MOUNTED, LOW PROFILE 1.5" WIDE X 3" TALL, 4" LONG LED LUMINAIRE WITH ACRYLIC LENS AND INTEGRAL 0-10V DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,600	50,000+	0-10V DIM	1%	277	18 W	AXIS SCS-B4-400-80-30-4-FINISH-277-D1%-1-S BIRCHWOOD KELSEY, LUMENWERX VIA 1.5	1	
CB	CEILING SURFACE MOUNTED, 4" LONG, VAPORTIGHT ENCLOSED AND GASKETED, WET LOCATION RATED, 3,500K LED LUMINAIRE WITH INTEGRAL DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,728	60,000+	0-10V DIM	10%	277	61 W	LITHONIA FEM4LED-4L-IMAFSL-SD-WLF COOPER, HUBBELL		
EA	1.5" DIAMETER, STAINLESS STEEL, 3,000K LED HANDRAIL WITH ASYMMETRIC DISTRIBUTION AND REMOTE CLASS II DIMMING DRIVER(S).	LED	NA	FURNISHED WITH FIXTURE	205 LM/FT	50,000	0-10V DIM	10%	277	78 W	COLE LRL-LED-SS-1.5-ASYM30-277-0-10V-REMOTE 10 LIGHTING, INTENSE	1.8,12, 16	
EB	EPOXY POTTED, IP67, 3,000K LED TAPE LIGHT, MOUNTED WITHIN ALUMINUM CHANNEL, WITH 60 DEGREE OPTICS, 45 DEGREE MOUNTING CLIPS, AND REMOTE CLASS II DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	360 LM/FT	50,000	0-10V DIM	10%	277	200 W	LEDLINEAR VARIOLED-FLEX-HYDRA LD10 IN 003 CHANNEL WITH 60 DEGREE LENS, 45 DEGREE CLIPS, 0-10V REMOTE DRIVER	4.7,12	
EC	POWVER PIPE MOUNTED, IP68, 3,000K LED SPOTLIGHT, WITH FLOOD DISTRIBUTION, SOFT FOCUS LENS, HONEYCOMB BAFFLE, FLUSH CAP, AND PIPE MOUNTED DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,300	50,000	0-10V DIM	10%	277	18 W	BK LIGHTING DELED-X31-F12-11-C-PPII LUMASCAPE LS452LED	1,10	
ED	EPOXY POTTED, IP67, 3,000K LED TAPE LIGHT, MOUNTED WITHIN ALUMINUM CHANNEL, WITH 60 DEGREE OPTICS, 45 DEGREE MOUNTING CLIPS, AND REMOTE CLASS II DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	142 LM/FT	50,000	0-10V DIM	10%	277	365 W	LEDLINEAR VARIOLED-FLEX-HYDRA LD5 IN 003 CHANNEL WITH 60 DEGREE LENS, 45 DEGREE CLIPS, 0-10V REMOTE DRIVER BILTON LIGHTING	4.7,12	
EE	INGROUND, 2' LONG, IP68, WALK OVER RATED, 3,000K LED UPLIGHT, WITH ALUMINUM OPTICAL CHAMBER, PVC BLOCKOUT HOUSING, DIRECT VIEW OPTICS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE		75,000	0-10V DIM	10%	277	10 W	LUMENPULSE LUMENFACADE LOID-100/277-24-30K-DIM-ASL	1	
EF36	36" TALL, 4" DIAMETER, 4,000K LED CAST ALUMINUM BOLLARD WITH TYPE III DISTRIBUTION, AND INTEGRAL DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,944	100,000+	0-10V DIM	10%	277	34 W	CREE PWY-EDG-3M-P3-02-E-UL-COLOR-525-40K	1,12	
EF42	42" TALL, 4" DIAMETER, 4,000K LED CAST ALUMINUM BOLLARD WITH TYPE III DISTRIBUTION, AND INTEGRAL DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,944	100,000+	0-10V DIM	10%	277	34 W	CREE PWY-EDG-3M-P4-02-E-UL-COLOR-525-40K	1,12	
EG3	CUSTOM ARM MOUNTED, 3,500K LED LUMINAIRE WITH TYPE II OPTICS, AND INTEGRAL DIMMING DRIVER. GROUND OR WALL MOUNTED WITH STRAIGHT ALUMINUM POLE WITH CONCRETE BASE.	LED	NA	FURNISHED WITH FIXTURE	4,800	50,000	0-10V DIM	10%	277	66 W	STERNBERG GALLERY 1A-1970-F-GTSR-SV1-4ARC35T5-F/EZ/62PM-MO D550P-12/CM-RAL HEAD AND ARM WITH RSA126500-D1-SL900-5-RAL_COLOR_POLE	1,12	
EG5	SAME AS TYPE EG3 BUT WITH TYPE 5 OPTICS.	LED	NA	FURNISHED WITH FIXTURE	4,800	50,000	0-10V DIM	10%	277	66 W	STERNBERG GALLERY 1A-1970-F-GTSR-SV1-4ARC35T5-F/EZ/62PM-MO D550P-12/CM-RAL HEAD AND ARM WITH RSA126500-D1-SL900-5-RAL_COLOR_POLE	1,12	
EG5R	SAME AS TYPE EG5 BUT WITH GFCl DUPLEX RECEPTACLE.	LED	NA	FURNISHED WITH FIXTURE	4,800	50,000	0-10V DIM	10%	277	66 W	STERNBERG GALLERY 1A-1970-F-GTSR-SV1-4ARC35T5-F/EZ/62PM-MO D550P-12/CM-RAL HEAD AND ARM WITH RSA126500-D1-SL900-5-RAL_COLOR_GF-1PIU C_POLE	1,12	
EH	RECESSED 4" WIDE X 5" DEEP X 2' LONG, 3,000K LED STRIP LIGHT WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,000	50,000	0-10V DIM	10%	277	11 W	PERFORMANCE IN LIGHT 074684-COR	1	
EK	MULTI-ARM MOUNTED, 2.5" TALL, 3.5" WIDE, 4' LONG, 3000K LED SCONE WITH INTEGRAL DRIVER, UL LISTED FOR WET LOCATIONS.	LED	NA	FURNISHED WITH FIXTURE	2,400	50,000	0-10V DIM	10%	277	28 W	ALIGHT 01-34-LS300-277-N-MOUNTING-FINISH-0-10V-DIM-Q	1.8	
EL	40" TALL, 7.5" DIAMETER, MARINE GRADE DIE-CAST ALUMINUM LED BOLLARD WITH 360 DEGREE DISTRIBUTION AND INTEGRAL 0-10V DIMMING DRIVER. EQUIPPED WITH GFCl AND KELSEY LOCK.	LED	NA	FURNISHED WITH FIXTURE	1,600	50,000	0-10V DIM	10%	277	25 W	BEGA 99856-99626-RAL_COLOR	2.9	
PA4	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 4' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 40% UP / 60% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,000	60,000+	0-10V DIM	10%	277	52 W	AXIS BBLED2-B3-SL-500-B3-MF-750-80-30-SO-LENGT H-FINISH-277-D-1-GRID PRUDENTIAL, MARK	1.5	
PA6	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 6' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 40% UP / 60% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	7,500	60,000+	0-10V DIM	10%	277	78 W	AXIS BBLED2-B3-SL-500-B3-MF-750-80-30-SO-LENGT H-FINISH-277-D-1-GRID PRUDENTIAL, MARK	1.5	
PA8	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 8' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 40% UP / 60% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	10,000	60,000+	0-10V DIM	10%	277	104 W	AXIS BBLED2-B3-SL-500-B3-MF-750-80-30-SO-LENGT H-FINISH-277-D-1-GRID PRUDENTIAL, MARK	1.5	
PA10	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 10' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 40% UP / 60% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	12,500	60,000+	0-10V DIM	10%	277	130 W	AXIS BBLED2-B3-SL-500-B3-MF-750-80-30-SO-LENGT H-FINISH-277-D-1-GRID PRUDENTIAL, MARK	1.5	
PA12	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 12' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 40% UP / 60% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	15,000	60,000+	0-10V DIM	10%	277	156 W	AXIS BBLED2-B3-SL-500-B3-MF-750-80-30-SO-LENGT H-FINISH-277-D-1-GRID PRUDENTIAL, MARK	1.5	
PB26-6	AIRCRAFT CABLE MOUNTED, 4" WIDE X 5" TALL X 26'-6" LONG, 3,000K LED DIRECT PENDANT, HIGH OUTPUT, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	16,900	100,000+	0-10V DIM	1%	277	249 W	FINELITE HP4D-26-6"-HO-3000K-277-FM-SC-C4-1%DIM AXIS, PINNACLE, PRUDENTIAL	2.8	
PC	CHAIN MOUNTED, 3,500K LED STRIPLIGHT, WITH DIFFUSING LENS AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,000	50,000	0-10V DIM	10%	277	38 W	LITHONIA ZL1N-L48-5000LM-FST-277-35K-80CRI-WH-HC36 COOPER, COLUMBIA		
PD8	AIRCRAFT CABLE SUSPENDED, 4" WIDE X 5.5" TALL X 8' LONG, 3,000K LED LINEAR PENDANT, WITH ASYMMETRIC 60% UP / 40% DOWN DISTRIBUTION AND INTEGRAL DIMMING DRIVER. END MOUNTED ON ONE SIDE.	LED	NA	FURNISHED WITH FIXTURE	8,000	50,000	0-10V DIM	10%	277	71 W	AXIS BBLED2-B3-SL-1000-B3-MF-750-80-35-SO-LENGT H-FINISH-277-D1-GRID-ENDMTD PRUDENTIAL, MARK	1.8,11	
RA2	RECESSED 4" WIDE X 5" DEEP X 2' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,278	50,000+	0-10V DIM	10%	277	19 W	FINELITE HP-4R-2"-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA3	RECESSED 4" WIDE X 5" DEEP X 3' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	1,920	50,000+	0-10V DIM	10%	277	28 W	FINELITE HP-4R-3"-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA4	RECESSED 4" WIDE X 5" DEEP X 4' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,556	50,000+	0-10V DIM	10%	277	37 W	FINELITE HP-4R-4"-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA6	RECESSED 4" WIDE X 5" DEEP X 6' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,834	50,000+	0-10V DIM	10%	277	56 W	FINELITE HP-4R-6"-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA6-8C	RECESSED 4" WIDE X 5" DEEP X 6'-8" LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,260	50,000+	0-10V DIM	10%	277	63 W	FINELITE HP-4R-6'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK	11,15	
RA6C	RECESSED 4" WIDE X 5" DEEP X 6' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	3,834	50,000+	0-10V DIM	10%	277	56 W	FINELITE HP-4R-6"-HO-3000K-277V-SC-GRID-DIM-CORNER AXIS, PINNACLE, MARK	11,15	
RA8	RECESSED 4" WIDE X 5" DEEP X 8' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,112	50,000+	0-10V DIM	10%	277	74 W	FINELITE HP-4R-8"-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA9-4C	RECESSED 4" WIDE X 5" DEEP X 9'-4" LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	5,962	50,000+	0-10V DIM	10%	277	87 W	FINELITE HP-4R-9'-4"-HO-3000K-277V-SC-GRID-DIM-CORNER AXIS, PINNACLE, MARK	11,15	

LIGHTING FIXTURE SCHEDULE 2 OF 3													
TYPE (I)	GENERAL DESCRIPTION, ACCESSORIES, AND APPLICATION	LIGHT SOURCE DATA				DRIVER/BALLAST		FIXTURE VOLTAGE	INPUT POWER	MANUFACTURER AND CATALOG NUMBER SERIES (V)	NOTES (VI)		
		TYPE (II)	QTY X WATTS/ LAMP	LAMP CODE / LED MODULE	LED DELIVERED LUMENS	LED L70 RATED LIFE	CONTROL TYPE (III)					DIMMING ENABLED TO	
RA10	RECESSED 4" WIDE X 5" DEEP X 10' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	6,390	50,000+	0-10V DIM	10%	277	94 W	FINELITE HP-4R-10'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA12	RECESSED 4" WIDE X 5" DEEP X 12' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	7,668	50,000+	0-10V DIM	10%	277	112 W	FINELITE HP-4R-12'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA12C	RECESSED 4" WIDE X 5" DEEP X 12' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	7,668	50,000+	0-10V DIM	10%	277	112 W	FINELITE HP-4R-12'-HO-3000K-277V-SC-GRID-DIM-CORNER AXIS, PINNACLE, MARK	11,15	
RA16	RECESSED 4" WIDE X 5" DEEP X 16' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	10,224	50,000+	0-10V DIM	10%	277	150 W	FINELITE HP-4R-16'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA18	RECESSED 4" WIDE X 5" DEEP X 18' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	11,502	50,000+	0-10V DIM	10%	277	168 W	FINELITE HP-4R-18'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA24	RECESSED 4" WIDE X 5" DEEP X 24' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	15,336	50,000+	0-10V DIM	10%	277	224 W	FINELITE HP-4R-24'-HO-3000K-277V-SC-GRID-DIM AXIS, PINNACLE, MARK		
RA24C	RECESSED 4" WIDE X 5" DEEP X 24' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, GRID CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	15,336	50,000+	0-10V DIM	10%	277	224 W	FINELITE HP-4R-24'-HO-3000K-277V-SC-GRID-DIM-CORNER AXIS, PINNACLE, MARK	11,15	
RB4	RECESSED 4" WIDE X 5" DEEP X 4' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,556	50,000+	0-10V DIM	10%	277	37 W	FINELITE HP-4R-4'-HO-3000K-277V-SC-SF-DIM AXIS, PINNACLE, MARK	3	
RB6	RECESSED 4" WIDE X 5" DEEP X 6' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,834	50,000+	0-10V DIM	10%	277	56 W	FINELITE HP-4R-6'-HO-3000K-277V-SC-SF-DIM AXIS, PINNACLE, MARK	3	
RB7C	RECESSED 4" WIDE X 5" DEEP X 7' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	2,310	50,000+	0-10V DIM	10%	277	65 W	FINELITE HP-4R-7'-HO-3000K-277V-SC-SF-DIM-CORNER	11,15	
RB8	RECESSED 4" WIDE X 5" DEEP X 8' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,120	50,000+	0-10V DIM	10%	277	75 W	FINELITE HP-4R-8'-HO-3000K-277V-SC-SF-DIM AXIS, PINNACLE, MARK	3	
RB9C	RECESSED 4" WIDE X 5" DEEP X 9' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER. REFER TO PLANS FOR CORNER CONFIGURATION.	LED	NA	FURNISHED WITH FIXTURE	5,650	50,000+	0-10V DIM	10%	277	94 W	FINELITE HP-4R-9'-HO-3000K-277V-SC-SF-DIM-CORNER	11,15	
RB10	RECESSED 4" WIDE X 5" DEEP X 10' LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	6,390	50,000+	0-10V DIM	10%	277	94 W	FINELITE HP-4R-10'-HO-3000K-277V-SC-SF-DIM AXIS, PINNACLE, MARK	3	
RB17	RECESSED 4" WIDE X 5" DEEP X 17'-6" LONG, 3,000K LED DIRECT LUMINAIRE, HIGH OUTPUT, SPACKLE FLANGE FOR DRYWALL CEILING, FLUSH DIFFUSING LENS, AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	11,182	50,000+	0-10V DIM	10%	277	172 W	FINELITE HP-4R-17'-6"-HO-3000K-277V-SC-SF-DIM AXIS, PINNACLE, MARK	3	
RC4-7	RECESSED 6" APERTURE, 4'-7" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,000	60,000	0-10V DIM	10%	277	34 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-4'-7"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC5	RECESSED 6" APERTURE, 5' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,180	60,000	0-10V DIM	10%	277	38 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-5'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC5-6	RECESSED 6" APERTURE, 5'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,398	60,000	0-10V DIM	10%	277	41 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-5'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC6	RECESSED 6" APERTURE, 6' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,616	60,000	0-10V DIM	10%	277	45 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-6'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC7	RECESSED 6" APERTURE, 7' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,052	60,000	0-10V DIM	10%	277	53 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-7'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC8	RECESSED 6" APERTURE, 8' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,488	60,000	0-10V DIM	10%	277	60 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-8'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC9	RECESSED 6" APERTURE, 9' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	3,924	60,000	0-10V DIM	10%	277	68 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-9'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC10	RECESSED 6" APERTURE, 10' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,360	60,000	0-10V DIM	10%	277	75 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-10'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC10-6	RECESSED 6" APERTURE, 10'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,578	60,000	0-10V DIM	10%	277	79 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-10'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC12	RECESSED 6" APERTURE, 12' LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,232	60,000	0-10V DIM	10%	277	90 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-12'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC12-6	RECESSED 6" APERTURE, 12'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,450	60,000	0-10V DIM	10%	277	94 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-12'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC15-6	RECESSED 6" APERTURE, 15'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	6,758	60,000	0-10V DIM	10%	277	116 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-15'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC18-6	RECESSED 6" APERTURE, 18'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	8,066	60,000	0-10V DIM	10%	277	139 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-18'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC34-3	RECESSED 6" APERTURE, 34'-3" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	14,900	60,000	0-10V DIM	10%	277	257 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-34'-3"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC34-6	RECESSED 6" APERTURE, 34'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	15,000	60,000	0-10V DIM	10%	277	259 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-34'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC43-6	RECESSED 6" APERTURE, 43'-6" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	18,966	60,000	0-10V DIM	10%	277	326 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-43'-6"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC45-8	RECESSED 6" APERTURE, 43'-8" LONG, 3,000K LED WALL GRAZER, WITH MUD TRIM AND INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	20,000	60,000	0-10V DIM	10%	277	343 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-43'-8"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RC66	RECESSED 6" APERTURE, 6'-3" LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	2,726	60,000	0-10V DIM	10%	277	47 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-6'-3"-N-REC/PR/GFW-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG9-9	RECESSED 6" APERTURE, 9'-9" LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,251	60,000	0-10V DIM	10%	277	73 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-9'-9"-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG10	RECESSED 6" APERTURE, 10' LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,362	60,000	0-10V DIM	10%	277	75 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-10'-N-REC/PR/GFW-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG10-6	RECESSED 6" APERTURE, 10'-6" LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	4,580	60,000	0-10V DIM	10%	277	79 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-10'-6"-N-REC/PR/GFW-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG12	RECESSED 6" APERTURE, 12' LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	5,232	60,000	0-10V DIM	10%	277	90 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-12'-N-REC/PR/GFW-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG15	RECESSED 6" APERTURE, 15' LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	6,540	60,000	0-10V DIM	10%	277	105 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-15'-N-REC/PR/GMR-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG18-8	RECESSED 6" APERTURE, 18'-8" LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	8,142	60,000	0-10V DIM	10%	277	139 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-18'-8"-N-REC/PR/GFW-OP-WH PINNACLE, PRUDENTIAL	3,6,15	
RCG20-6	RECESSED 6" APERTURE, 20'-6" LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	8,938	60,000	0-10V DIM	10%	277	154 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-20'-6"-N-REC/PR/GFW-OP-WH	3,6,15	
RCG31	RECESSED 6" APERTURE, 31' LONG, 3,000K LED WALL GRAZER, GRID FLANGED, WITH INTEGRAL DIMMING DRIVER.	LED	NA	FURNISHED WITH FIXTURE	13,516	60,000	0-10V DIM	10%	277	233 W	GAMMALUX GPRG6B-1SOLED30-277-ZTV-31'-N-REC/PR/GFW-OP-WH	3,6,15	

THE SEAL(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.

DESIGNATION METHOD (I)

FIRST CHARACTER DESIGNATES MOUNTING OR TYPE.

SECOND CHARACTER IS SEQUENTIAL LETTERING TO IDENTIFY DIFFERENT FIXTURE SERIES FOR SIMILAR MOUNTING TYPES.

NUMBERED SUFFIX DIFFERENTIATES SPECIAL VARIATIONS OF SIMILAR FIXTURES USED IN THE PROJECT.

MOUNTING OR TYPE

S = WALL BRACKET OR WALL SURFACE

C = COVE OR NICHE MOUNTED

E = EXTERIOR

P = PENDANT

R = RECESSED IN CEILING

S = SURFACE CEILING MOUNTED

T = TRACK

U = UNDERCABINET

W = W ALL RECESSED

X = EXIT

Y = BATTERY

Z = SPECIAL

LAMP CODE (II)

C = FLUORESCENT/STRAIGHT

I = INCANDESCENT

M = METAL HALIDE

P = COMPACT FLUORESCENT

LED = LIGHT EMITTING DIODE

CONTROL TYPE (III)

ON/OFF = SINGLE-LEVEL ON/OFF CONTROL

2 CKT = TWO ELECTRICAL FEEDS SERVING LUMINAIRE

STESTE DIM = 100% OUTPUT, REDUCED OUTPUT, AND OFF

10V - 10V = 10% TO 100% DIMMING CONTROL

DAL DIM = DIGITALLY ADDRESSABLE LIGHTING INTERFACE

2-WIRE, POWERLINE, FORWARD PHASE DIMMING

2-WIRE, POWERLINE, REVERSE PHASE DIMMING

3-WIRE, HOT + NEUTRAL + DIMMED HOT

WATTS = REFER TO GENERAL DESCRIPTION FOR DETAILS

WATTS PER FIXTURE (IV)

TOTAL INPUT WATTS PER FIXTURE

ENCLOSING

LAMP AND BALLASTS

GENERAL NOTES

A CONTRACTOR

- ### KEYED NOTES

- 1 COORDINATE STANDARD COLOR FINISH WITH ARCHITECT.
- 2 COORDINATE CUSTOM COLOR FINISH WITH ARCHITECT.
- 3 DRIVER SHALL BE ACCESSIBLE AND REMOVABLE THROUGH CEILING OPENING.
- 4 PROVIDE REMOTE BALLAST(S)/DRIVER(S) LOCATED IN AN ACCESSIBLE LOCATION.
- 5 PENDANT LENGTHS VARY. BOTTOM OF FIXTURE TO BE A 8'-0" AFF.
- 6 REFER TO ARCHITECTURAL PLANS FOR COVE LENGTHS. FIXTURE LENGTHS INDICATED ARE APPROXIMATE. PROVIDE FIXTURE QUANTITIES AND LENGTHS AS REQUIRED FOR FIXTURES TO RUN CONTINUOUS ALONG ENTIRE LENGTH OF COVE.
- 7 CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS LOW VOLTAGE AND LINE VOLTAGE LIGHTING, ACCESSORIES, AND HARDWARE TO SUPPORT, POWER, AND CONTROL FIXTURES. PROVIDE SPECIFIC INSTALLATION AND AS RECOMMENDED BY THE MANUFACTURER. SEE PLANS FOR LENGTHS, LAYOUTS AND CIRCUITING.
- 8 REFER TO ELECTRICAL PLANS, ARCHITECTURAL PLANS AND SECTIONS FOR MOUNTING INFORMATION.
- 9 FINISH-COLOR CHIPS SHALL BE FURNISHED WITH SHOP DRAWINGS FOR SELECTION AND APPROVAL BY OWNER/ARCHITECT/ENGINEER.
- 10 PROVIDE FIXTURE EQUIPPED WITH HONEYCOMB LOUVER AND SNOOT.
- 11 MANUFACTURER SHALL SUPPLY TWO SETS OF CUSTOM SHOP DRAWINGS. FIRST, CONCEPT DRAWINGS WILL BE SUBMITTED FOR APPROVAL BY ARCHITECT/ENGINEER. SECOND, ONE DETAILED SET OF SHOP DRAWINGS SHALL BE SUBMITTED FOR FINAL REVIEW. DETAILED SHOP DRAWING SHALL INCLUDE PROJECT SPECIFIC SCHEMATIC DRAWINGS.
- 12 SUBMIT POINT BY POINT CALCULATION SHOWING MAINTAINED LIGHT LEVELS ON THE GROUND FOR ALL PAVED SURFACES. POINTS SHALL BE SPACED A MAXIMUM OF 10' O.C. LIGHT LEVELS SHALL NOT FALL BELOW .25 FC.
- 13 PROVIDE FIXTURE LENGTHS AND QUANTITIES AS REQUIRED FOR A CONTINUOUS INSTALLATION FROM WALL TO WALL. LOCATE START/END OF FIXTURES WITHIN 6" OF WALL. 
- 14 COORDINATE INSTALLATION OF NEW FIXTURES WITH MANUFACTURER AND EXISTING FIXTURES, TO ACHIEVE A SEAMLESS CONTINUATION OF THE EXISTING COVE.
- 15 REFER TO PLANS FOR FIXTURE LENGTHS AND CONFIGURATIONS.
- 16 REFER TO ARCHITECTURAL PLANS AND DETAILS FOR FIXTURE CONFIGURATIONS.
- 17 COORDINATE ALL MOUNTING AND POWER REQUIREMENTS WITH OWNER.
- 18 PROVIDE "RF" RADIO FREQUENCY FILTER TO FIXTURES IN SIMULATION LAB. 



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LIGHT FIXTURE SCHEDULE

Project No.: 04561.01

Checked by:

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