



314 BELL STREET SOUTH
 3 STOREY LOW RISE APARTMENT BUILDING ADDITION
 (4 UNIT ADDITION)

SITE LIGHTING & PHOTOMETRIC PLAN

DRAWING LIST

✓	E-000	:	ELECTRICAL COVER PAGE, DRAWING LIST & LEGEND
✓	E-100	:	ELECTRICAL SCHEDULES
✓	E-200	:	ELECTRICAL LIGHTING LAYOUT LEVEL 1 & 2
✓	E-201	:	ELECTRICAL LIGHTING LAYOUT LEVEL 3 & ROOF
✓	E-202	:	ELECTRICAL PHOTOMETRIC PLAN SITE LIGHTING

LEGEND

LIGHTING

- 1a(2)
 Ⓐ LIGHTING FIXTURE, "A" INDICATES THE TYPE, "1" THE CIRCUIT, "a" THE ASSOCIATED SWITCH, (2) THE PANEL BOARD
- ⒶH WALL MOUNTED LIGHTING FIXTURE TYPE "A"

GENERAL NOTES:

A. UNITS FOR PHOTOMETRIC CALCULATION ARE FOOT-CANDLES.

DRAWING NOTES:

- ① DOWNLIGHT RECESSED IN SOFFIT.
- ② PROVIDE PHOTOCELL TO CONTROL LIGHTING FIXTURES AFFIXED WITH 'pc'.
- ③ LIGHTING FIXTURE TO BE CONTROLLED BY TENANTS SWITCH.



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THESE DOCUMENTS SHOULD NOT BE USED FOR
 CONSTRUCTION

No	DATE	REVISION	BY	PEO
1	2021-07-30	ISSUED FOR SITE-PLAN APPROVAL	AW	100194762
0	2021-07-13	ISSUED FOR COORDINATION	JC	

PROJECT
**314 BELL ST
 EXTERIOR LIGHTING DESIGN**

DRAWING TITLE
**ELECTRICAL
 COVER PAGE, DRAWING LIST &
 LEGEND**

DRAWING D.UCHACZ	DESIGN J.CICHOCKI	VERIFICATION A.WADDELL
BPA PROJECT No 8021-033	DRAWING No E-000	
SCALE AS SHOWN		



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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	REFERENCE IMAGE	LIGHT SOURCE				VOLT.	WATT.	DIMM.	FINISH	MOUNTING	NOTES
			TYPE	LUMENS	CRI	CCT						
A	EXTERIOR WALL SCONCE L = 10", W = 10.5", H = 7.5" EQUAL TO: TECH LIGHTING ASH 8 SERIES		LED	1,189	80 +	3000 K	120 VAC	18	ELV	BY ARCH	EXTERIOR WALL SURFACE	- POWDER COAT FINISHES - STAINLESS STEEL MOUNTING HARDWARE - IMPACT-RESISTANT, UV STABILIZED ACRYLIC LENSING - IP65 RATED - BUG RATING: B1-U0-G0, DARK SKY COMPLIANT
B	EXTERIOR WALL SCONCE L = 4", W = 5", H = 13" EQUAL TO: TECH LIGHTING PEAK SINGLE SERIES		LED	392	90 +	3000 K	120 VAC	15	ELV	BY ARCH	EXTERIOR WALL SURFACE	- POWDER COAT FINISHES - STAINLESS STEEL MOUNTING HARDWARE - IMPACT-RESISTANT, UV STABILIZED ACRYLIC LENSING - IP65 RATED - DARK SKY COMPLIANT
C	EXTERIOR WALL PACK L = 10", W = 10.5", H = 7.5" EQUAL TO: ECLIPSE LIVERPOOL 2 SERIES		LED	1,500	80 +	3000 K	120 VAC	14	0-10V	BY ARCH	EXTERIOR WALL SURFACE	- LED FULL CUTOFF, DARK SKY COMPLIANT - WEDGE SHAPED FORM FACTOR - DIRECT LIGHT ONLY - WIDER SPREAD DISTRIBUTION - PRISMATIC POLYCARBONATE LENS - INTEGRAL MOTION SENSOR FOR BI-LEVEL DIMMING (OCCUPIED = 80%, UNOCCUPIED = 20%)
D	EXTERIOR RECESSED DOWNLIGHT 2" DIA, < 3" DEEP EQUAL TO: LITELINE LUNA SERIES		LED	560	80 +	3000 K	120 VAC	7	ELV	BY ARCH	RECESSED (EXT SOFFIT)	
E	EXTERIOR WALL SCONCE L = 3", W = 6", H = 4" EQUAL TO: TECH LIGHTING KRYSEN SINGLE SERIES		LED	200	90 +	3000 K	120 VAC	13	N/A	BY ARCH	EXTERIOR WALL SURFACE	- POWDER COAT FINISHES - STAINLESS STEEL MOUNTING HARDWARE - IMPACT-RESISTANT, UV STABILIZED ACRYLIC LENSING - IP66 RATED - BUG RATING: B0-U3-G1, DARK SKY COMPLIANT

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PROJECT
**314 BELL ST
EXTERIOR LIGHTING DESIGN**

DRAWING TITLE
**ELECTRICAL
SCHEDULES**

DRAWING D.UCHACZ	DESIGN J.CICHOCKI	VERIFICATION A.WADDELL
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BPA PROJECT No 8021-033	DRAWING No E-100
SCALE AS SHOWN	



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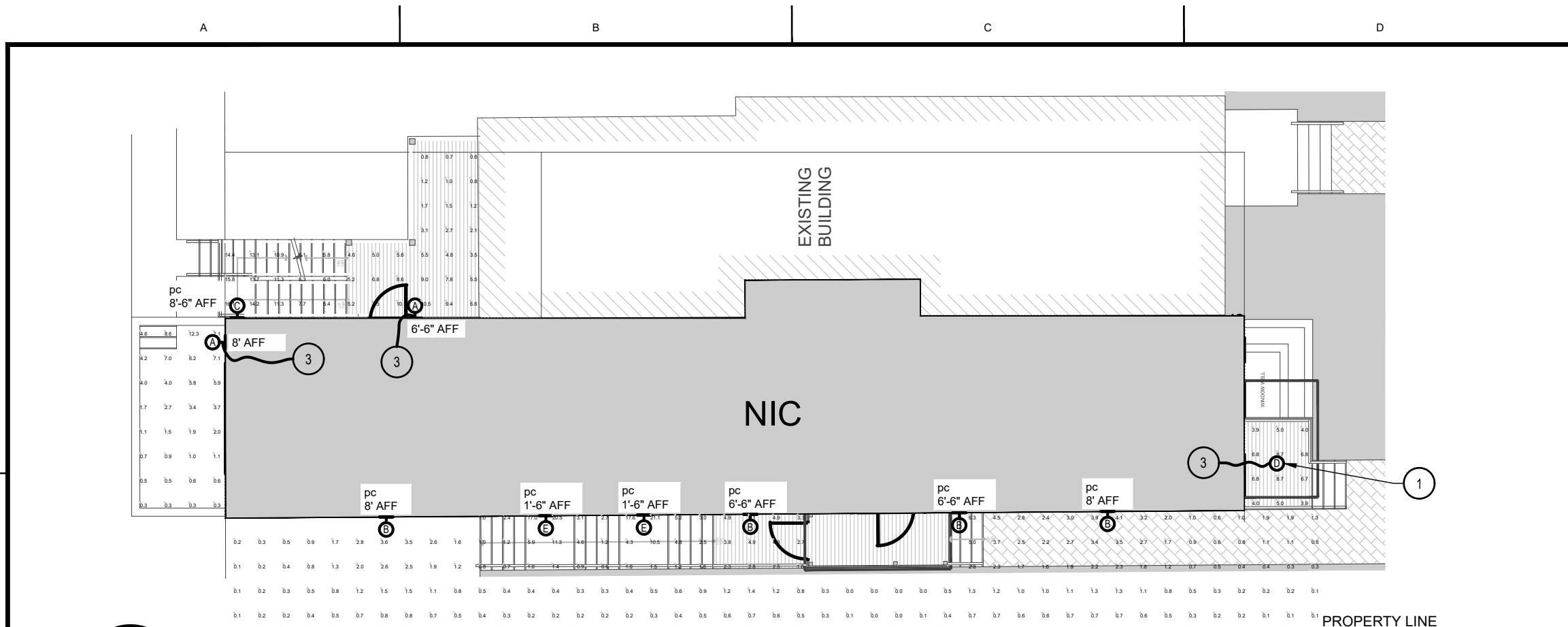
PROJECT
**314 BELL ST
EXTERIOR LIGHTING DESIGN**

DRAWING TITLE
**ELECTRICAL
LIGHTING LAYOUT
LEVEL 1 AND LEVEL 2**

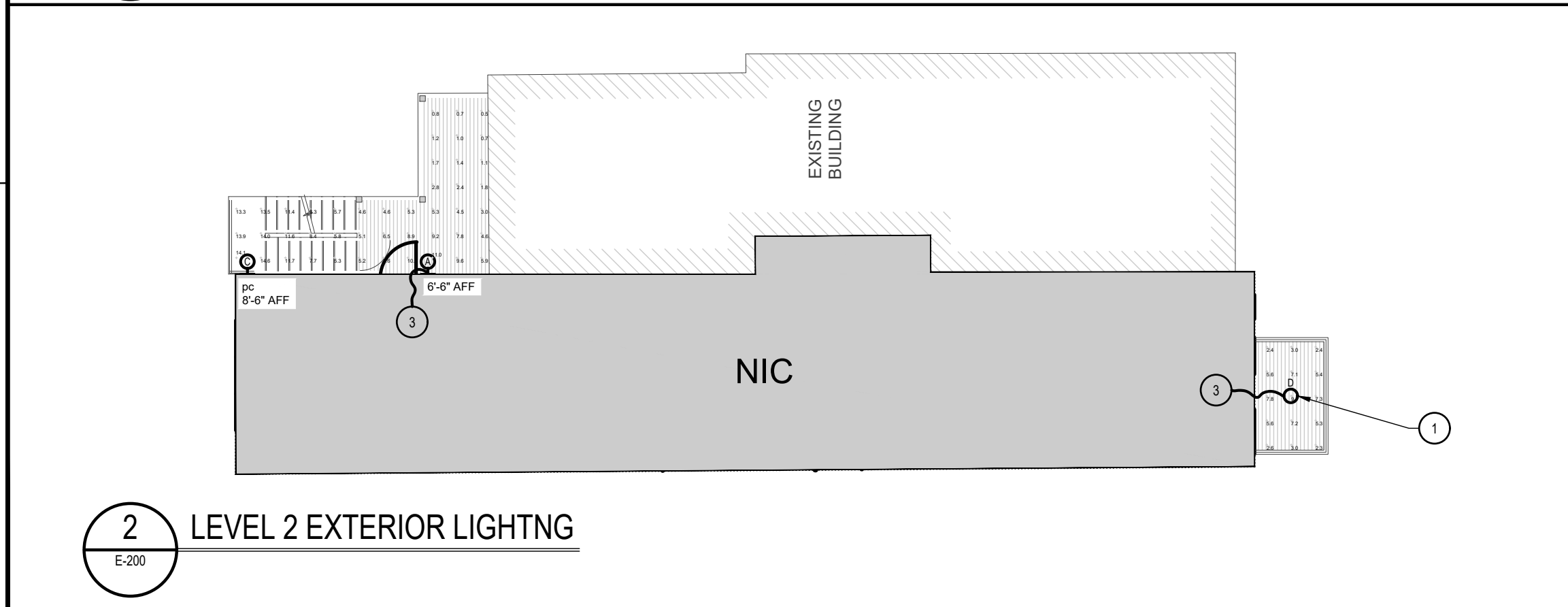
DRAWING	DESIGN	VERIFICATION
D.UCHACZ	J.CICHOCKI	A.WADDELL

BPA PROJECT No 8021-033	DRAWING No E-200
SCALE AS SHOWN	

FILE: 8021-033-E2-1-0-01-00.DWG



1
LEVEL 1 EXTERIOR LIGHTNG
E-200



2
LEVEL 2 EXTERIOR LIGHTNG
E-200



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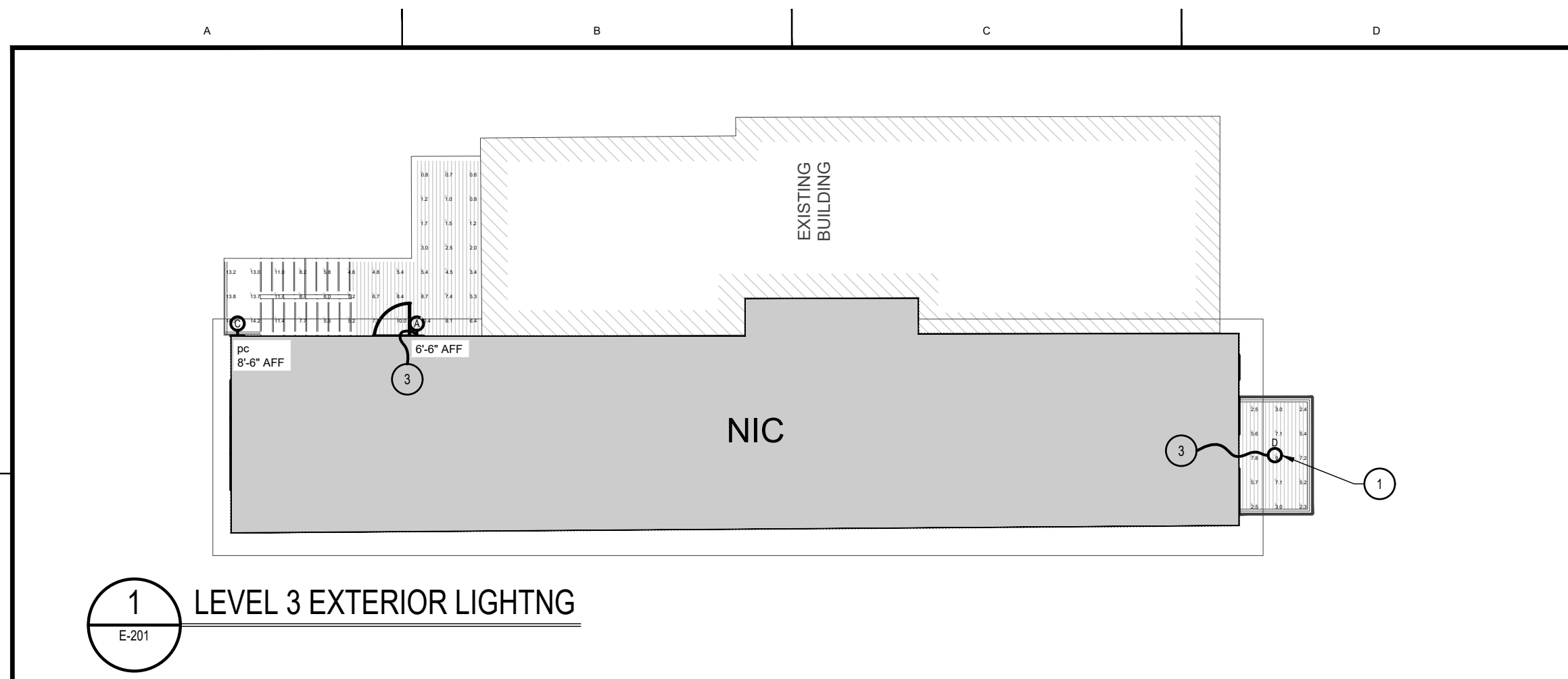
PROJECT
**314 BELL ST
EXTERIOR LIGHTING DESIGN**

DRAWING TITLE
**ELECTRICAL
LIGHTING LAYOUT
LEVEL 3 AND ROOF**

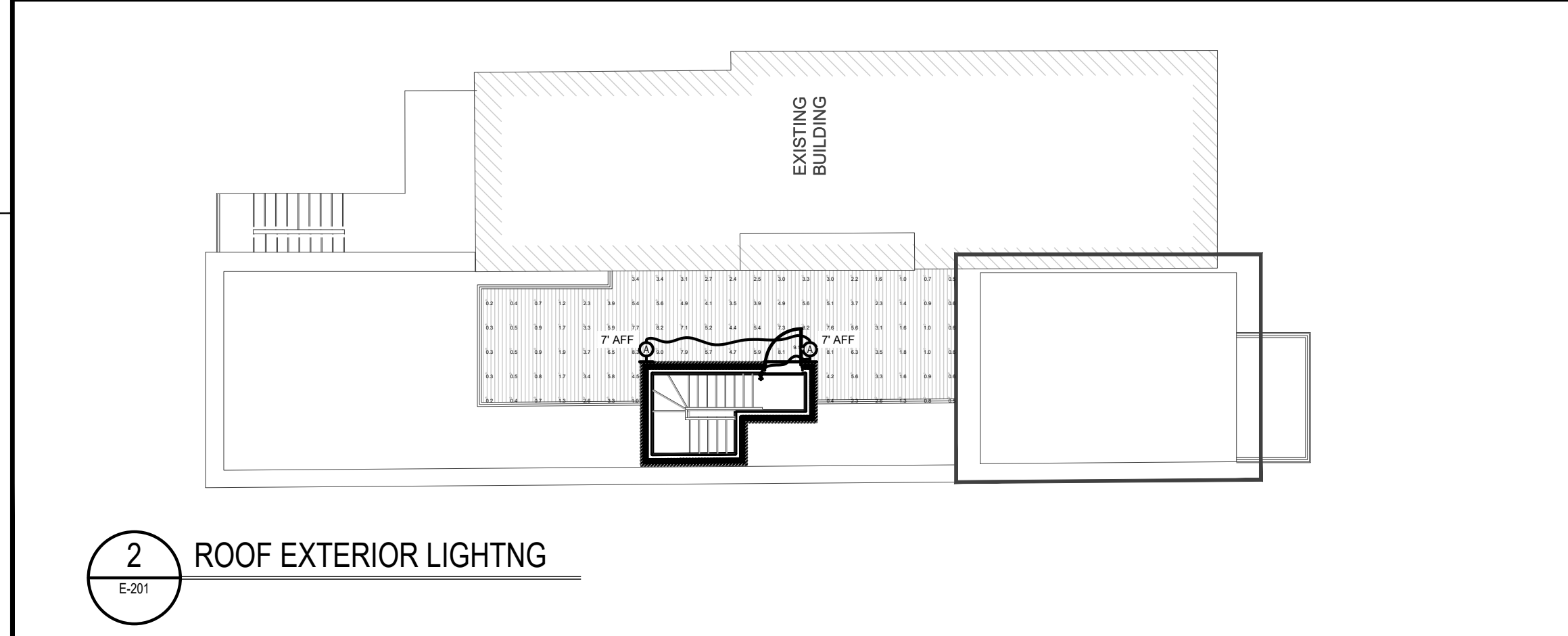
DRAWING	DESIGN	VERIFICATION
D.UCHACZ	J.CICHOCKI	A.WADDELL

BPA PROJECT No 8021-033	DRAWING No E-201
SCALE AS SHOWN	

FILE: 8021-033-E2-1-0-03-00.DWG



1 LEVEL 3 EXTERIOR LIGHTNG
E-201



2 ROOF EXTERIOR LIGHTNG
E-201



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Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
1ST FLOOR DECK_Planar	Illuminance	Fc	6.68	16.1	0.6	11.13	26.83
1ST FLOOR PORCH_Planar	Illuminance	Fc	5.86	8.7	3.9	1.50	2.23
2ND FLOOR DECK_Planar	Illuminance	Fc	6.54	14.6	0.5	13.08	29.20
2ND FLOOR PORCH_Planar	Illuminance	Fc	5.11	9.7	2.3	2.22	4.22
3RD FLOOR DECK_Planar	Illuminance	Fc	6.51	14.3	0.6	10.85	23.83
3RD FLOOR PORCH_Planar	Illuminance	Fc	5.09	9.6	2.3	2.21	4.17
BASEMENT	Illuminance	Fc	3.18	12.3	0.3	10.60	41.00
PROPERTY LINE	Illuminance	Fc	0.30	0.5	0.0	N.A.	N.A.
SOUTH ELEVATION_Planar	Illuminance	Fc	1.86	21.1	0.0	N.A.	N.A.
TERRACE_Planar	Illuminance	Fc	3.23	9.1	0.2	16.15	45.50

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**ELECTRICAL
PHOTOMETRIC LIGHTING
CALCULATION SUMMARY**

DRAWING	DESIGN	VERIFICATION
D.UCHACZ	J.CICHOCKI	A.WADDELL

BPA PROJECT No 8021-033	DRAWING No E-202
SCALE AS SHOWN	