GENERAL NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

STANDARD ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMP
A	AMPERE (AMP)	KVAR	KILOVOLT AMPS REACTIVE
AL	ALUMINUM	LA	LIGHTNING ARRESTOR
ARCH	ARCHITECT / ARCHITECTURAL	LTG	LIGHTING
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW VOLTAGE
CB	CIRCUIT BREAKER	MATV	MASTER ANTENNA TELEVISION
C	CONDUIT	MCA	MINIMUM CIRCUIT AMPS
CCTV	CLOSED CIRCUIT TELEVISION	MCB	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL
CT	CURRENT TRANSFORMER	MECH	MECHANICAL
CU	COPPER	MH	METAL HALIDE
DN	DOWN	MLO	MAIN LUGS ONLY
EMERG	EMERGENCY	MV	MERCURY VAPOR
EMT	ELECTRIC METALLIC TUBING	MTS	MANUAL TRANSFER SWITCH
EP	EXPLOSION PROOF	NIC	NOT IN CONTRACT
EPO	EMERGENCY POWER OFF	NL	NIGHT LIGHT CIRCUIT
EWC	ELECTRIC WATER COOLER	PA	PUBLIC ADDRESS
FA	FIRE ALARM	PE	PHOTO ELECTRIC CELL
FLA	FULL LOAD AMPS	PF	POWER FACTOR
FLUOR	FLUORESCENT	PNL	PANELBOARD
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	PVC	POLYVINYL CHLORIDE CONDUIT
		PWR	POWER
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	SDP	SUB-DISTRIBUTION PANEL
		STR	STARTER
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	SV	SOLENOID VALVE
		SW	SWITCH
GFP	GROUND FAULT PROTECTION	TD	TIME DELAY
GFI	GROUND FAULT INTERRUPTER	TP	TAMPERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELEPHONE TERMINAL BOARD
		TTC	TELEPHONE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT	TV	TELEVISION
GRD	GROUND	TYP	TYPICAL
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UPS	UNINTERRUPTABLE POWER SUPPLY
HV	HIGH VOLTAGE		
HZ	HERTZ	V	VOLTAGE
IG	ISOLATED GROUND	VA	VOLT AMPERES
INC	INCANDESCENT	VP	VAPOR PROOF
JB	JUNCTION BOX	W	WATTS
KW	KILOWATT	WP	WEATHER PROOF
KWH	KILOWATT HOUR	XFMR	TRANSFORMER
KV	KILOVOLT	XFSW	TRANSFER SWITCH

EQUIPMENT

- ELECTRICAL EQUIPMENT
- PANELBOARD: SURFACE, RECESSED
- CABINET: SURFACE, RECESSED
- TRANSFORMER
- GROUND ROD, IN TEST WELL
- GROUND PAD
- EQUIPMENT WITH DERIVED GROUND
- VOLTMETER, AMMETER
- SELECTOR SWITCH: VOLTMETER, AMMETER
- METER: KILOWATT HOUR, POWER FACTOR
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER
- CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS

ELECTRICAL EQUIPMENT DESIGNATION

E 4 LRC - 01 - 1A - A

POWER TYPE:
- BLANK - NORMAL POWER
- E - EMERGENCY POWER
- U - UNINTERRUPTIBLE POWER

VOLTAGE:
- 2 - 208Y/120V
- 4 - 480Y/277V
- 5 - 4160Y/2400V
- 15 - 12470Y/7200V

EQUIPMENT:
- D - MAIN DISTRIBUTION PANEL
- S - SUB DISTRIBUTION PANEL
- B - BUSWAY
- M - MOTOR CONTROL CENTER
- A - AUTOMATIC TRANSFER SWITCH
- P - POWER PANEL
- L - LIGHTING PANEL
- T - TRANSFORMER
- U - UPS
- LRC - LIGHTING RELAY CONTROL PANEL

BUILDING LEVEL:
- 00 - BASEMENT
- 01 - FIRST LEVEL
- 02 - SECOND LEVEL
- 03 - THIRD LEVEL
- 04 - FOURTH LEVEL
- ETC.

GRID LOCATION:
- 1A - NEAR INTERSECTION OF GRID LINES 1 AND A

IDENTIFIER:
- A - FIRST IN SERIES OF EQUIPMENT
- B - SECOND IN SERIES OF EQUIPMENT
- ETC.

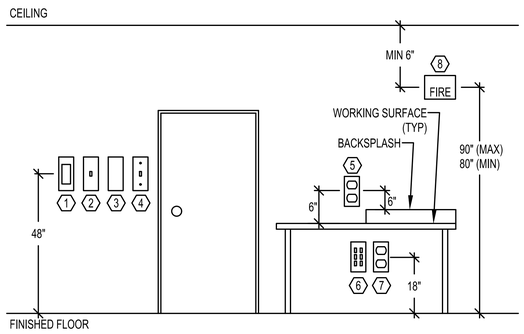
DESIGNATION SYMBOLS

- 123 — EQUIPMENT DESIGNATOR SEE SCHEDULE.
- (E) (X) — EXISTING TO REMAIN, EXISTING TO BE REMOVED
- (R) (F) — EXISTING TO BE RELOCATED, FUTURE
- (N) (C) — NEW, CONNECT TO
- (1) — NOTE

TELECOMMUNICATIONS ALTERNATE

- WALL SINGLE VOICE JACK OUTLET. MOUNT 44" AFF UON
- WALL QUAD JACK OUTLET-2 VOICE JACKS, 2 CAPPED DATA JACKS SPARE: FLUSH, SURFACE. MOUNT 18" AFF UON
- WALL QUAD JACK OUTLET-2 VOICE JACKS, 2 DATA JACKS: FLUSH, SURFACE. MOUNT 18" AFF UON
- WALL QUAD JACK OUTLET-2 VOICE JACKS, 1 DATA JACK, 1 CAPPED SPARE: FLUSH, SURFACE. MOUNT 18" AFF UON
- WALL QUAD JACK OUTLET-2 CAPPED VOICE JACKS SPARE, 2 DATA JACKS: FLUSH, SURFACE. MOUNT 18" AFF UON
- WALL QUAD JACK OUTLET-1 VOICE JACK, 1 DATA JACK, 1 CAPPED VOICE SPARE, 1 CAPPED DATA SPARE: FLUSH, SURFACE. MOUNT 18" AFF UON

DEVICE MOUNTING HEIGHTS



GENERAL NOTES:

A. LOCATE ALL FIRE ALARM DEVICES PER CODE.

B. LOCATE ALL ACCESSIBLE SWITCHES PER ADA GUIDELINES.

C. FIELD COORDINATE ALL ABOVE COUNTER DEVICES WITH MILLWORK CONTRACTOR.

D. IF APPLICABLE, TELCOM CONSULTANTS DRAWINGS TAKE PRECEDENCE OVER THIS DETAIL FOR TELCOM DEVICES.

NOTES:

1. FIRE ALARM PULL STATION
2. LIGHT SWITCH
3. CARD READER
4. WALL PHONE
5. ABOVE COUNTER DEVICE MAINTAIN A CONSISTENT HEIGHT THROUGHOUT SPACE
6. TELECOM OUTLET
7. RECEPTACLE
8. FIRE ALARM STROBE

LIGHTING

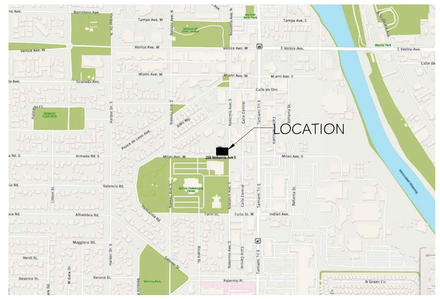
- CEILING LUMINAIRE: SURFACE, RECESSED
- CEILING LUMINAIRE: PENDANT MOUNTED
- CEILING LUMINAIRE: PENDANT LINEAR
- WALL LUMINAIRE: SURFACE, RECESSED
- WALL WASHER: SURFACE, RECESSED
- TRACK WITH HEADS LOCATED
- FLUORESCENT LUMINAIRE: SURFACE, RECESSED
- FLUORESCENT LUMINAIRE: WALL MOUNTED
- FLUORESCENT LUMINAIRE: BARE LAMP
- POLE LIGHT: LUMINAIRES AS SHOWN
- DESIGNATES LIGHT ON EMERGENCY CIRCUIT
- EXIT LIGHT: CEILING, WALL (ARROWS AS SHOWN)
- BOLLARD
- EMERGENCY BATTERY LIGHT: HEADS AS SHOWN
- $ $_2$ — WALL SWITCH: 1 POLE, 2 POLE
- $_3$ $_4$ — WALL SWITCH: 3 WAY, 4 WAY
- $_K$ $_M$ — WALL SWITCH: KEY LOCK, MOMENTARY
- $_{LV}$ $_P$ — WALL SWITCH: LOW VOLTAGE, PILOT
- $_T$ $_D$ — WALL SWITCH: TIMER, MANUAL DIMMER
- A — DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)
- NL — DESIGNATES NIGHT LIGHT CIRCUIT
- PEH PE — PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED
- OS$_X$ OS$_X$ — OCCUPANCY SENSOR: CEILING OR WALL MOUNTED "X" DESIGNATES DEVICE TYPE: S: IN COMBINATION WITH WALL SWITCH U: ULTRASONIC R: INFRARED UR: DUAL TECHNOLOGY, ULTRASONIC/INFRARED

POWER

- WALL RECEPTACLE: SINGLE, DUPLEX
- WALL RECEPTACLE: EMERGENCY, 4-PLEX
- WALL RECEPTACLE: ISOLATED GROUND
- CEILING RECEPTACLE: DUPLEX
- FIRE RATED FLOOR POKE-THRU
- CONNECTION TO EQUIPMENT PROVIDED BY OTHERS
- DENOTES RECEPTACLE ABOVE COUNTER
- SPECIAL PURPOSE OUTLET AS NOTED, EMERGENCY
- JUNCTION BOX
- FLUSH IN-FLOOR OUTLET: DUPLEX, COMBINATION
- PEDESTAL OUTLET: POWER, SIGNAL, COMBINATION
- SURFACE OUTLET STRIP: DIMENSION AS SHOWN
- TELEPOWER POLE, POWER, COMBINATION
- CLOCK HANGER RECEPTACLE
- 60A 45F F — DISCONNECT SWITCH: FUSED, NON-FUSED
- $ $_{QL}$ — MOTOR STARTER: MANUAL, MAGNETIC, COMBINATION
- MOTOR CONNECTION
- C R S — CONTACTOR, RELAY, SOLENOID
- PUSH BUTTON STATION
- WIRING CONCEALED IN CEILING OR WALL
- WIRING CONCEALED IN FLOOR OR UNDERGROUND
- INDICATES INSULATED GREEN GROUND WIRE
- HOME RUN DESTINATION SHOWN
- CONDUIT ELL: UP, DN.

ONE-LINE

- CIRCUIT BREAKER
- SWITCH, FUSED SWITCH
- BUSS
- AUTOMATIC SWITCH
- METER
- XXX XX — PANEL
- FEEDER CALLOUT
- XXX — FAULT CURRENT CALLOUT
- G — GENERATOR



PROJECT LOCATION

LEGAL INFORMATION

ADDRESS:	256 NOKOMIS AVE S, VENICE, FL 34285
PROPERTY ID:	0408120060
ZONING:	ST1 - SOUTH TRAIL: SUBAREA 1
CONSTRUCTION CLASSIFICATION:	TYPE VB
FLOOD ZONE:	X
MAXIMUM ALLOWABLE HEIGHT :	35'-0"

PROJECT SUMMARY

NEW 3 STORY MULTI USE BUILDING

OFFICE SPACE AREA 1ST FLOOR SUMMARY

UNIT A	2,152 S.F.
UNIT B	1,049 S.F.

LIVABLE AREA 2ND FLOOR SUMMARY (INSIDE WALLS)

RESIDENTIAL UNIT 201	1,676 S.F.
RESIDENTIAL UNIT 202	1,598 S.F.
RESIDENTIAL UNIT 203	1,468 S.F.
RESIDENTIAL UNIT 204	1,443 S.F.

LIVABLE AREA 3RD FLOOR SUMMARY (INSIDE WALLS)

RESIDENTIAL UNIT 301	2,704 S.F.
RESIDENTIAL UNIT 302	2,057 S.F.
RESIDENTIAL UNIT 303	1,443 S.F.

LOT:	16,500 S.F.
MAX ALLOWED LOT COVERAGE 75%	12,375 S.F.
(16,500 X 75) / 100 = 12,375	
PROPOSED BUILDING COVERAGE	6,646 S.F.

PARKING

1 PROFESSIONAL OFFICE 1,049 SF

MINIMUM REQUIRED MIN. 2.5 PER 1000 SF

$\frac{(1,049) \times 2.5}{1000} = 2.6 = 3$

1 PROFESSIONAL OFFICE 2,152 SF

MINIMUM REQUIRED 2.5 PER 1000 SF

$\frac{(2,152) \times 2.5}{1000} = 5.38$

9 TOTAL PARKING SPACES PROVIDED FOR PROFESSIONALS

RESIDENTIAL UNITS

ONE 2-CAR + SIX 1-CAR GARAGES FOR 7 RESIDENTIAL UNITS
4 GUEST PARKING SPACES PROVIDED

ELECTRICAL DRAWING LIST

SHEET #	SHEET NAME
E001	ELECTRICAL - SYMBOLS, LEGEND AND ABBREVIATIONS
E010	LIGHTING - SITE PLAN
E011	LIGHTING - SITE PHOTOMETRIC CALCULATIONS
E101	LIGHTING - ELEVATION PLANS
E102	LIGHTING - ELEVATION PLANS
E110	LIGHTING - RENDERING IMAGES
E111	LIGHTING - RENDERING IMAGES
E112	LIGHTING - RENDERING IMAGES

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

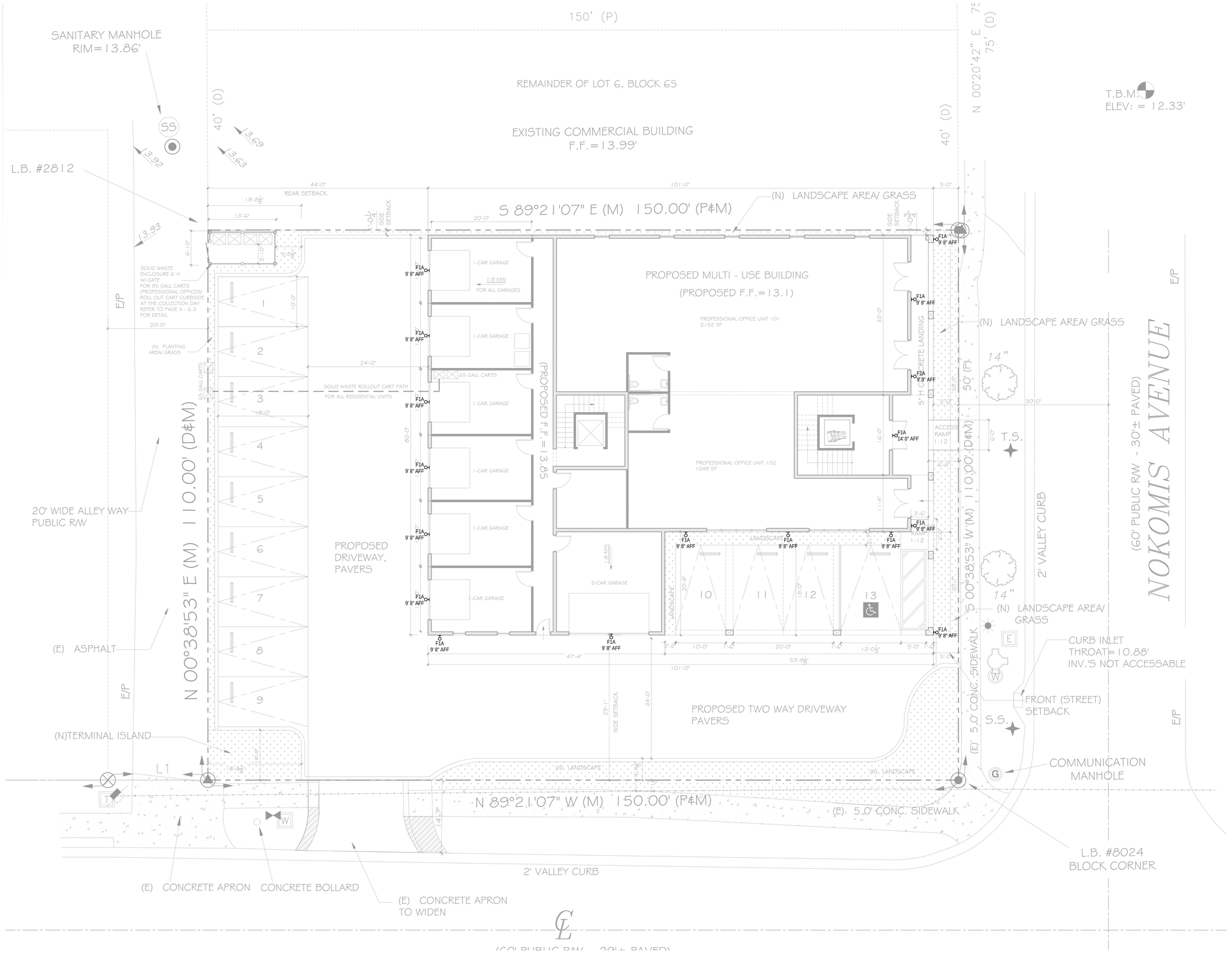
Checked By:

Date:

Project Number:

Sheet Title:
ELECTRICAL - LEGENDS, SYMBOLS, AND ABBREVIATIONS

Sheet Number:
E001



1 E010 LIGHTING - SITE PLAN
SCALE: 1/4" = 1'

GENERAL NOTES:

A. ALL EXTERIOR LIGHTING SHALL BE AUTOMATICALLY CONTROLLED BY A COMBINATION OF A PHOTOCELL AND AN ASTRONOMICAL TIME SWITCH, CAPABLE OF TURNING OFF LIGHTS WHEN DAYLIGHT IS PRESENT OR DURING NON-OCCUPIED HOURS (8:00 AM TO 5:00 PM), IN ACCORDANCE WITH FBC ENERGY CONSERVATION §C405.2.5 AND ASHRAE 90.1 §9.4.1.4.

B. AUTOMATIC CONTROLS SHALL BE CONFIGURED TO REDUCE LIGHTING POWER BY AT LEAST 30% DURING OFF-PEAK HOURS SUCH AS MIDNIGHT TO 6 A.M., OR WHEN THE SPACE IS VACANT. (FBC §C405.2.6; ASHRAE 90.1 §9.4.1.1.2)

C. EXTERIOR LIGHTING POWER DENSITY (LPD) SHALL NOT EXCEED THE MAXIMUM VALUES LISTED IN FBC TABLE C405.5.2(2). (FBC §C405.5.2; ASHRAE 90.1 TABLE 9.4.2-2)

D. LUMINAIRES INSTALLED FOR EXTERIOR APPLICATIONS SHALL BE FULL CUTOFF OR SHIELDED TO MINIMIZE LIGHT TRESPASS AND GLARE ONTO ADJACENT PROPERTIES AND THE NIGHT SKY.

E. THESE DRAWINGS ARE PROVIDED FOR LIGHTING LAYOUT AND ILLUMINANCE MODELING PURPOSES ONLY. LIGHT LEVEL CALCULATIONS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, IESNA RECOMMENDATIONS, AND LOCAL JURISDICTIONAL REQUIREMENTS.

F. FIXTURE LOCATIONS, ORIENTATIONS, AND MOUNTING HEIGHTS SHOWN ARE INTENDED FOR PHOTOMETRIC MODELING AND MAY NOT REFLECT FINAL ELECTRICAL CONSTRUCTION CONDITIONS.

G. FINAL CIRCUITING, CONDUIT ROUTING, WIRING METHODS, SWITCHING ARRANGEMENTS, AND ELECTRICAL COMPONENT COORDINATION SHALL BE PER THE APPROVED ELECTRICAL PERMIT DRAWINGS AND DETAILS.

H. CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS, MOUNTING DETAILS, CONTROL DEVICES, AND POWER REQUIREMENTS PRIOR TO ROUGH-IN AND INSTALLATION.

I. ALL LIGHT FIXTURES SHALL OPERATE IN A BI-LEVEL MODE: LIGHT OUTPUT SHALL BE AUTOMATICALLY DIMMED TO 50% DURING PERIODS OF NO OCCUPANCY AND SHALL INCREASE TO FULL OUTPUT UPON OCCUPANT OR VEHICLE DETECTION. AFTER A SET TIMEOUT PERIOD, FIXTURES SHALL RETURN TO THE DIMMED STATE. FIXTURE CONTROLS SHALL BE PROGRAMMED TO COMPLY WITH ALL APPLICABLE ENERGY AND LIGHTING CODES INCLUDING LOCAL ORDINANCES.

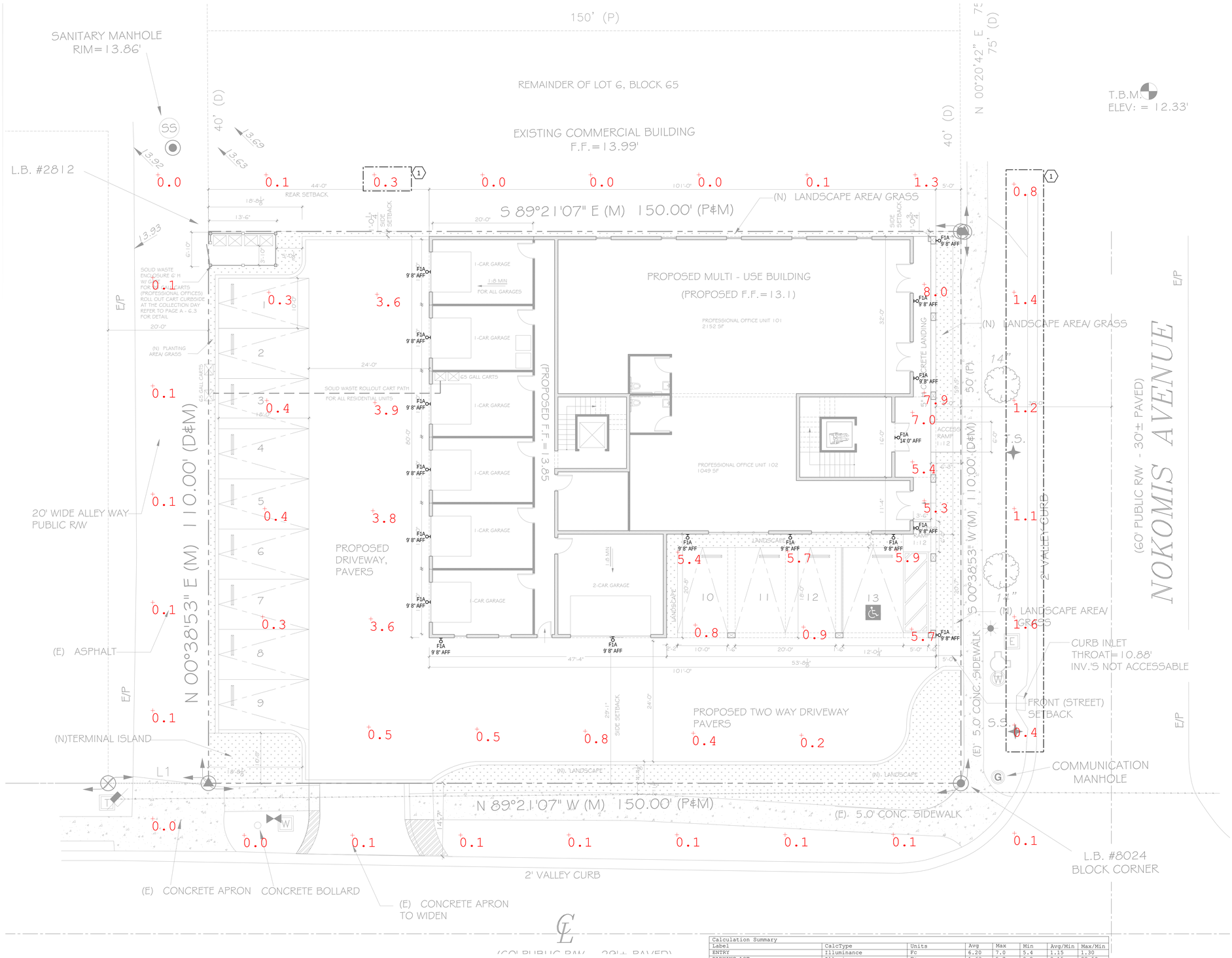
J. PROFESSIONAL UNITS HOURS OF OPERATIONS 8AM-5PM.

LIGHT FIXTURE SPECIFICATIONS:

FIXTURE: F1A
MANUFACTURER: EURI LIGHTING
MODEL: EFL-130W-MD
LUMENS: 1200 LUMENS
COLOR TEMPERATURE: 3000K
INPUT VOLTAGE: 120VAC
POWER CONSUMPTION: 12.5W
CONTROLS: INTEGRAL DUSK-TO-DAWN SENSOR WITH TIME-SWITCH OVERRIDE AND AUTOMATIC TRANSITION FROM DIMMED TO FULL BRIGHTNESS UPON MOTION DETECTION

KISEL Engineers

Date:
Project Title:
Stamp:
Rev # Date:
Drawn By:
Checked By:
Date:
Project Number:
Sheet Title: LIGHTING - SITE PLAN
Sheet Number: E010



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ENTRY	Illuminance	Fc	6.20	7.0	5.4	1.15	1.30
PARKING LOT	Illuminance	Fc	1.63	5.7	0.2	8.15	28.50
SITE PERIMETER	Illuminance	Fc	0.34	1.6	0.0	N.A.	N.A.
UNDER COVER PARKING	Illuminance	Fc	5.67	5.9	5.4	1.05	1.09
WALKWAYS	Illuminance	Fc	7.07	8.0	5.3	1.33	1.51

1 / E011 LIGHTING - SITE PHOTOMETRIC CALCULATIONS
SCALE: 1/4" = 1'

GENERAL NOTES:

A. THIS SHEET IS TO REFLECT PHOTOMETRIC CALCULATIONS ONLY.

B. EXTERIOR LIGHTING POWER DENSITY (LPD) SHALL NOT EXCEED THE MAXIMUM VALUES LISTED IN FBC TABLE C405.5.2(2). (FBC §C405.5.2; ASHRAE 90.1 TABLE 9.4.2-2)

C. LUMINAIRES INSTALLED FOR EXTERIOR APPLICATIONS SHALL BE FULL CUTOFF OR SHIELDED TO MINIMIZE LIGHT TRESPASS AND GLARE ONTO ADJACENT PROPERTIES AND THE NIGHT SKY.

D. THESE DRAWINGS ARE PROVIDED FOR LIGHTING LAYOUT AND ILLUMINANCE MODELING PURPOSES ONLY. LIGHT LEVEL CALCULATIONS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, IESNA RECOMMENDATIONS, AND LOCAL JURISDICTIONAL REQUIREMENTS.

E. ALL LIGHT FIXTURES SHALL OPERATE IN A BI-LEVEL MODE: LIGHT OUTPUT SHALL BE AUTOMATICALLY DIMMED TO 50% DURING PERIODS OF NO OCCUPANCY AND SHALL INCREASE TO FULL OUTPUT UPON OCCUPANT OR VEHICLE DETECTION. AFTER A SET TIMEOUT PERIOD, FIXTURES SHALL RETURN TO THE DIMMED STATE. FIXTURE CONTROLS SHALL BE PROGRAMMED TO COMPLY WITH ALL APPLICABLE ENERGY AND LIGHTING CODES INCLUDING LOCAL ORDINANCES.

F. ALL EXTERIOR LIGHTING SHALL BE AUTOMATICALLY CONTROLLED BY A COMBINATION OF A PHOTOCELL AND AN ASTRONOMICAL TIME SWITCH, CAPABLE OF TURNING OFF LIGHTS WHEN DAYLIGHT IS PRESENT OR DURING NON-OCCUPIED HOURS (8:00 AM TO 5:00 PM), IN ACCORDANCE WITH FBC ENERGY CONSERVATION §C405.2.5 AND ASHRAE 90.1 §9.4.1.4.

KEY NOTES:

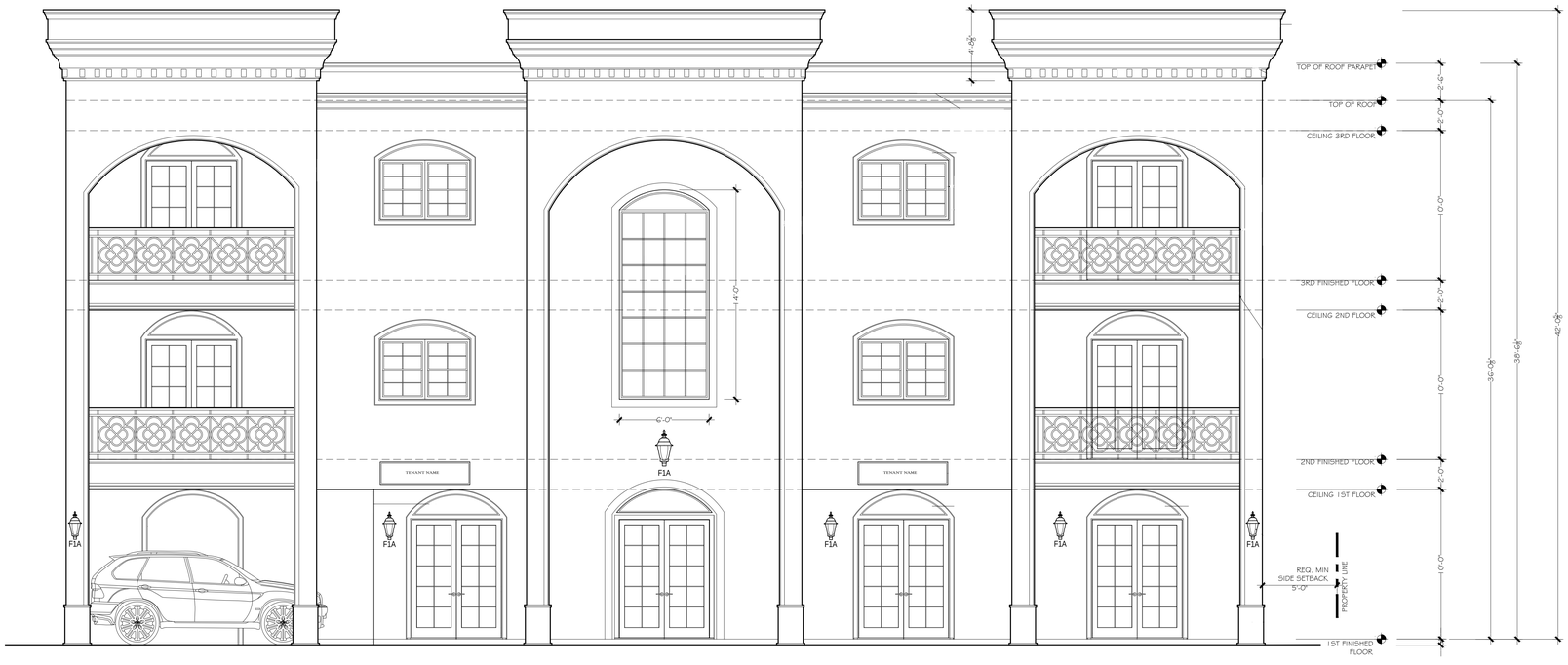
1. LIGHT LEVELS WITHIN 10 FT OF SITE PERIMETER EXCEED TYPICAL LIMITS DUE TO REQUIRED ILLUMINATION OF EGRESS PATHS AND EXTERIOR EXITS. FIXTURES SHALL BE CONTROLLED VIA PHOTOCELL AND ASTRONOMICAL TIME SWITCH PER FBC §C405.2.5 AND ASHRAE 90.1 §9.4.1.4, TURNING OFF DURING DAYLIGHT/NON-OCCUPIED HOURS (8:00 AM–5:00 PM). FIXTURES SHALL DIM TO 50% OUTPUT WHEN UNOCCUPIED.

LIGHT FIXTURE SPECIFICATIONS:

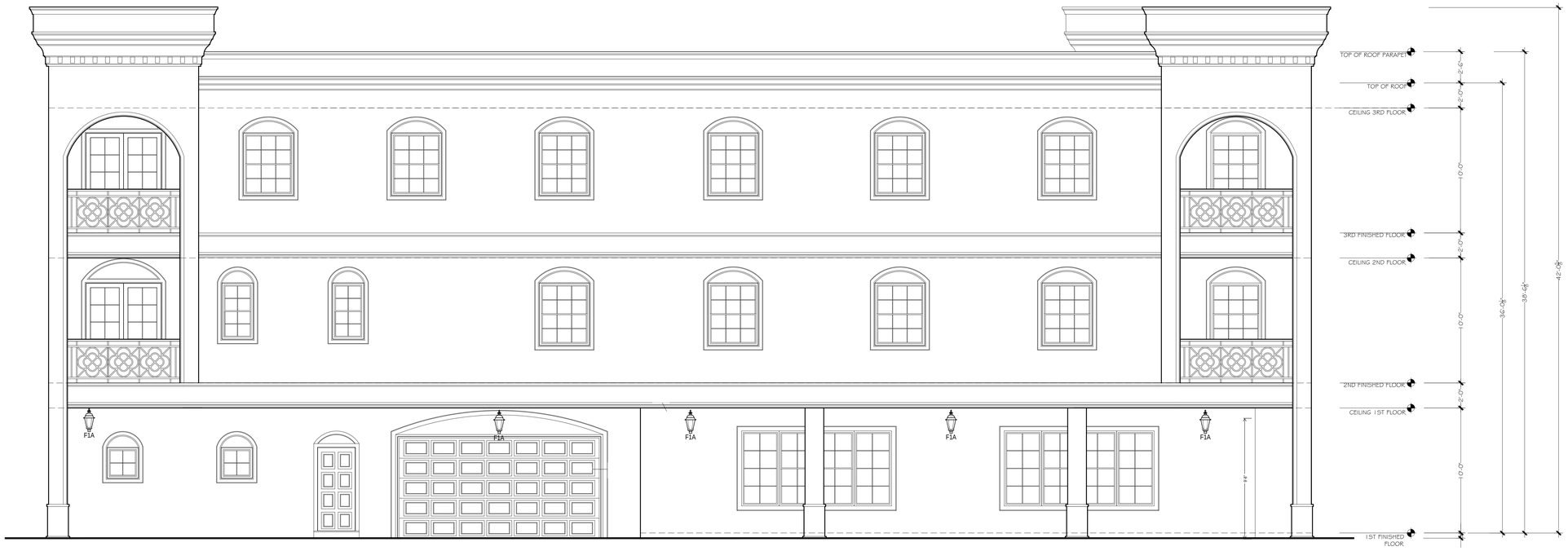
FIXTURE: F1A
MANUFACTURER: EURI LIGHTING
MODEL: EFL-130W-MD
LUMENS: 1200 LUMENS
COLOR TEMPERATURE: 3000K
INPUT VOLTAGE: 120VAC
POWER CONSUMPTION: 12.5W
CONTROLS: INTEGRAL DUSK-TO-DAWN SENSOR WITH TIME-SWITCH OVERRIDE AND AUTOMATIC TRANSITION FROM DIMMED TO FULL BRIGHTNESS UPON MOTION DETECTION

KISEL Engineers

Client:
Project Title:
Stamp:
Rev # | Date:
Drawn By:
Checked By:
Date:
Project Number:
Sheet Title: LIGHTING - SITE PHOTOMETRIC CALCULATIONS
Sheet Number: E011



1 / E101 LIGHTING FRONT EAST ELEVATION
SCALE: 1/4" = 1'



2 / E101 LIGHTING SOUTH SIDE ELEVATION
SCALE: 1/4" = 1'

GENERAL NOTES:

A. ALL EXTERIOR LIGHTING SHALL BE AUTOMATICALLY CONTROLLED BY A COMBINATION OF A PHOTOCELL AND AN ASTRONOMICAL TIME SWITCH CAPABLE OF TURNING OFF LIGHTS WHEN DAYLIGHT IS PRESENT OR DURING NON-OCCUPIED HOURS (8:00 AM TO 5:00 PM), IN ACCORDANCE WITH FBC ENERGY CONSERVATION §C405.2.5 AND ASHRAE 90.1 §9.4.1.4.

B. AUTOMATIC CONTROLS SHALL BE CONFIGURED TO REDUCE LIGHTING POWER BY AT LEAST 30% DURING OFF-PEAK HOURS SUCH AS MIDNIGHT TO 6 A.M., OR WHEN THE SPACE IS VACANT. (FBC §C405.2.6; ASHRAE 90.1 §9.4.1.1.2)

C. EXTERIOR LIGHTING POWER DENSITY (LPD) SHALL NOT EXCEED THE MAXIMUM VALUES LISTED IN FBC TABLE C405.5.2(2). (FBC §C405.5.2; ASHRAE 90.1 TABLE 9.4.2-2)

D. LUMINAIRES INSTALLED FOR EXTERIOR APPLICATIONS SHALL BE FULL CUTOFF OR SHIELDED TO MINIMIZE LIGHT TRESPASS AND GLARE ONTO ADJACENT PROPERTIES AND THE NIGHT SKY.

E. THESE DRAWINGS ARE PROVIDED FOR LIGHTING LAYOUT AND ILLUMINANCE MODELING PURPOSES ONLY. LIGHT LEVEL CALCULATIONS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, IESNA RECOMMENDATIONS, AND LOCAL JURISDICTIONAL REQUIREMENTS.

F. FIXTURE LOCATIONS, ORIENTATIONS, AND MOUNTING HEIGHTS SHOWN ARE INTENDED FOR PHOTOMETRIC MODELING AND MAY NOT REFLECT FINAL ELECTRICAL CONSTRUCTION CONDITIONS.

G. FINAL CIRCUITING, CONDUIT ROUTING, WIRING METHODS, SWITCHING ARRANGEMENTS, AND ELECTRICAL COMPONENT COORDINATION SHALL BE PER THE APPROVED ELECTRICAL PERMIT DRAWINGS AND DETAILS.

H. CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS, MOUNTING DETAILS, CONTROL DEVICES, AND POWER REQUIREMENTS PRIOR TO ROUGH-IN AND INSTALLATION.

I. ALL LIGHT FIXTURES SHALL OPERATE IN A BI-LEVEL MODE: LIGHT OUTPUT SHALL BE AUTOMATICALLY DIMMED TO 50% DURING PERIODS OF NO OCCUPANCY AND SHALL INCREASE TO FULL OUTPUT UPON OCCUPANT OR VEHICLE DETECTION. AFTER A SET TIMEOUT PERIOD, FIXTURES SHALL RETURN TO THE DIMMED STATE. FIXTURE CONTROLS SHALL BE PROGRAMMED TO COMPLY WITH ALL APPLICABLE ENERGY AND LIGHTING CODES INCLUDING LOCAL ORDINANCES.

LIGHT FIXTURE SPECIFICATIONS:

FIXTURE: F1A
MANUFACTURER: EURI LIGHTING
MODEL: EFL-130W-MD
LUMENS: 1200 LUMENS
COLOR TEMPERATURE: 3000K
INPUT VOLTAGE: 120VAC
POWER CONSUMPTION: 12.5W
CONTROLS: INTEGRAL DUSK-TO-DAWN SENSOR WITH TIME-SWITCH OVERRIDE AND AUTOMATIC TRANSITION FROM DIMMED TO FULL BRIGHTNESS UPON MOTION DETECTION

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

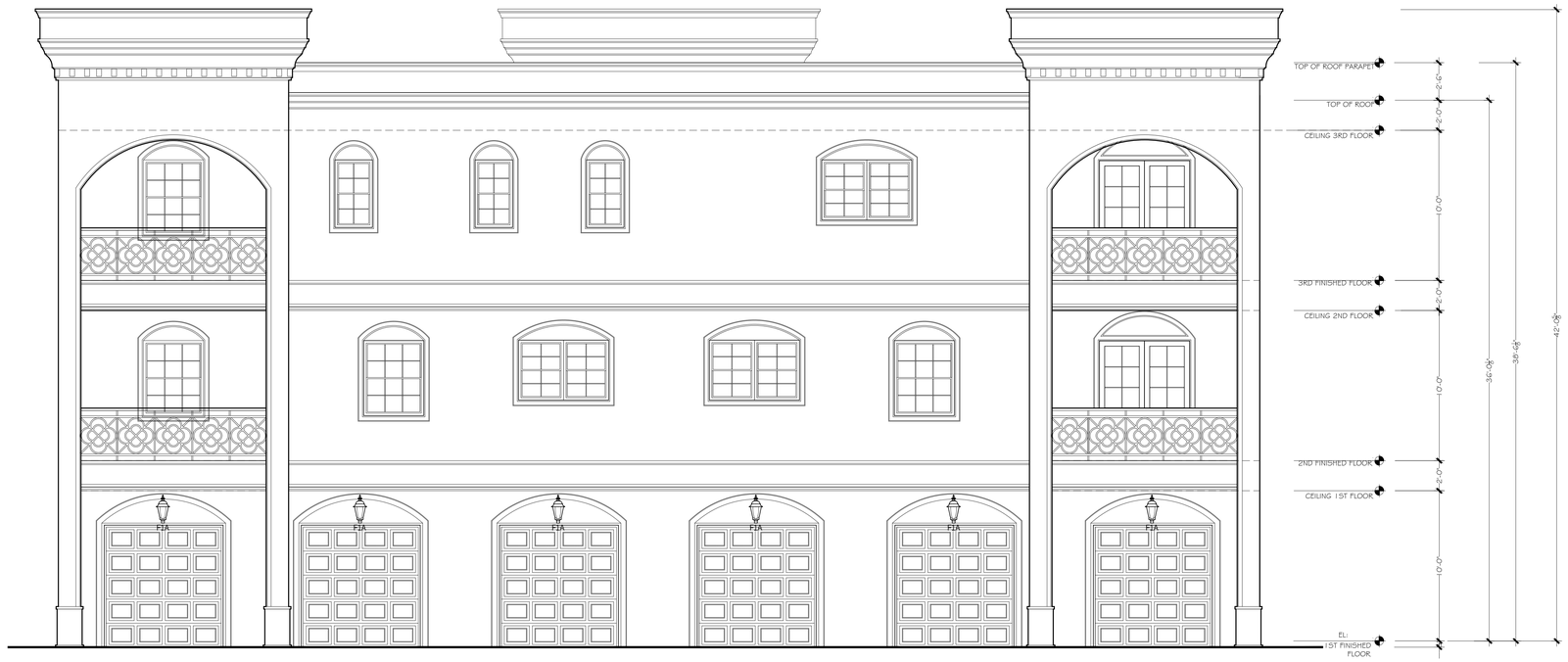
Checked By:

Date:

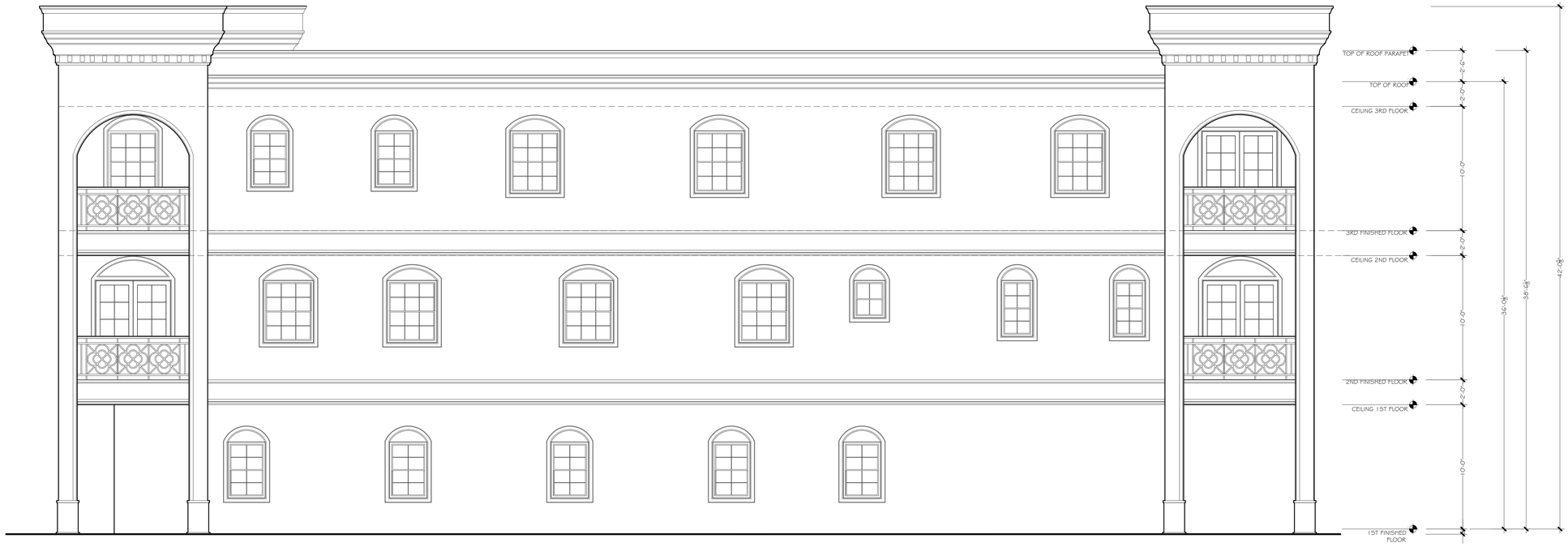
Project Number:

Sheet Title:
LIGHTING - ELEVATION PLANS

Sheet Number:
E101



1 / E102 LIGHTING REAR WEST ELEVATION
SCALE: 1/4" = 1'



2 / E102 LIGHTING NORTH SIDE ELEVATION
SCALE: 1/4" = 1'

GENERAL NOTES:

A. ALL EXTERIOR LIGHTING SHALL BE AUTOMATICALLY CONTROLLED BY A COMBINATION OF A PHOTOCELL AND AN ASTRONOMICAL TIME SWITCH CAPABLE OF TURNING OFF LIGHTS WHEN DAYLIGHT IS PRESENT OR DURING NON-OCCUPIED HOURS (8:00 AM TO 5:00 PM), IN ACCORDANCE WITH FBC ENERGY CONSERVATION §C405.2.5 AND ASHRAE 90.1 §9.4.1.4.

B. AUTOMATIC CONTROLS SHALL BE CONFIGURED TO REDUCE LIGHTING POWER BY AT LEAST 30% DURING OFF-PEAK HOURS SUCH AS MIDNIGHT TO 6 A.M., OR WHEN THE SPACE IS VACANT. (FBC §C405.2.6; ASHRAE 90.1 §9.4.1.1.2)

C. EXTERIOR LIGHTING POWER DENSITY (LPD) SHALL NOT EXCEED THE MAXIMUM VALUES LISTED IN FBC TABLE C405.5.2(2). (FBC §C405.5.2; ASHRAE 90.1 TABLE 9.4.2-2)

D. LUMINAIRES INSTALLED FOR EXTERIOR APPLICATIONS SHALL BE FULL CUTOFF OR SHIELDED TO MINIMIZE LIGHT TRESPASS AND GLARE ONTO ADJACENT PROPERTIES AND THE NIGHT SKY.

E. THESE DRAWINGS ARE PROVIDED FOR LIGHTING LAYOUT AND ILLUMINANCE MODELING PURPOSES ONLY. LIGHT LEVEL CALCULATIONS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, IESNA RECOMMENDATIONS, AND LOCAL JURISDICTIONAL REQUIREMENTS.

F. FIXTURE LOCATIONS, ORIENTATIONS, AND MOUNTING HEIGHTS SHOWN ARE INTENDED FOR PHOTOMETRIC MODELING AND MAY NOT REFLECT FINAL ELECTRICAL CONSTRUCTION CONDITIONS.

G. FINAL CIRCUITING, CONDUIT ROUTING, WIRING METHODS, SWITCHING ARRANGEMENTS, AND ELECTRICAL COMPONENT COORDINATION SHALL BE PER THE APPROVED ELECTRICAL PERMIT DRAWINGS AND DETAILS.

H. CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS, MOUNTING DETAILS, CONTROL DEVICES, AND POWER REQUIREMENTS PRIOR TO ROUGH-IN AND INSTALLATION.

I. ALL LIGHT FIXTURES SHALL OPERATE IN A BI-LEVEL MODE: LIGHT OUTPUT SHALL BE AUTOMATICALLY DIMMED TO 50% DURING PERIODS OF NO OCCUPANCY AND SHALL INCREASE TO FULL OUTPUT UPON OCCUPANT OR VEHICLE DETECTION. AFTER A SET TIMEOUT PERIOD, FIXTURES SHALL RETURN TO THE DIMMED STATE. FIXTURE CONTROLS SHALL BE PROGRAMMED TO COMPLY WITH ALL APPLICABLE ENERGY AND LIGHTING CODES INCLUDING LOCAL ORDINANCES.

LIGHT FIXTURE SPECIFICATIONS:

FIXTURE: F1A
MANUFACTURER: EURI LIGHTING
MODEL: EFL-130W-MD
LUMENS: 1200 LUMENS
COLOR TEMPERATURE: 3000K
INPUT VOLTAGE: 120VAC
POWER CONSUMPTION: 12.5W
CONTROLS: INTEGRAL DUSK-TO-DAWN SENSOR WITH TIME-SWITCH OVERRIDE AND AUTOMATIC TRANSITION FROM DIMMED TO FULL BRIGHTNESS UPON MOTION DETECTION

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

Checked By:

Date:

Project Number:

Sheet Title:
LIGHTING - ELEVATION PLANS

Sheet Number:
E102

GENERAL NOTES:

A.NOT USED

1 E110 LIGHTING FRONT EAST ELEVATION
SCALE: 1/4" = 1'

2 E110 LIGHTING REAR WEST ELEVATION
SCALE: 1/4" = 1'

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

Checked By:

Date:

Project Number:

Sheet Title:

LIGHTING - RENDERING IMAGES

Sheet Number:

E110

GENERAL NOTES:

A.NOT USED

1 E111 LIGHTING SOUTH SIDE ELEVATION
SCALE: 1/4" = 1'

2 E111 LIGHTING NORTH SIDE ELEVATION
SCALE: 1/4" = 1'

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

Checked By:

Date:

Project Number:

Sheet Title:

LIGHTING - RENDERING IMAGES

Sheet Number:

E111

GENERAL NOTES:

A.NOT USED

1 / E111 LIGHTING STREET RENDERING
SCALE: 1/8" = 1'

2 / E111 LIGHTING STREET RENDERING
SCALE: 1/8" = 1'

KISEL Engineers

Client:

Project Title:

Stamp:

Rev #	Date:

Drawn By:

Checked By:

Date:

Project Number:

Sheet Title:

LIGHTING - RENDERING IMAGES

Sheet Number:

E112