

Attachment L

## **Revised Lighting Plan**

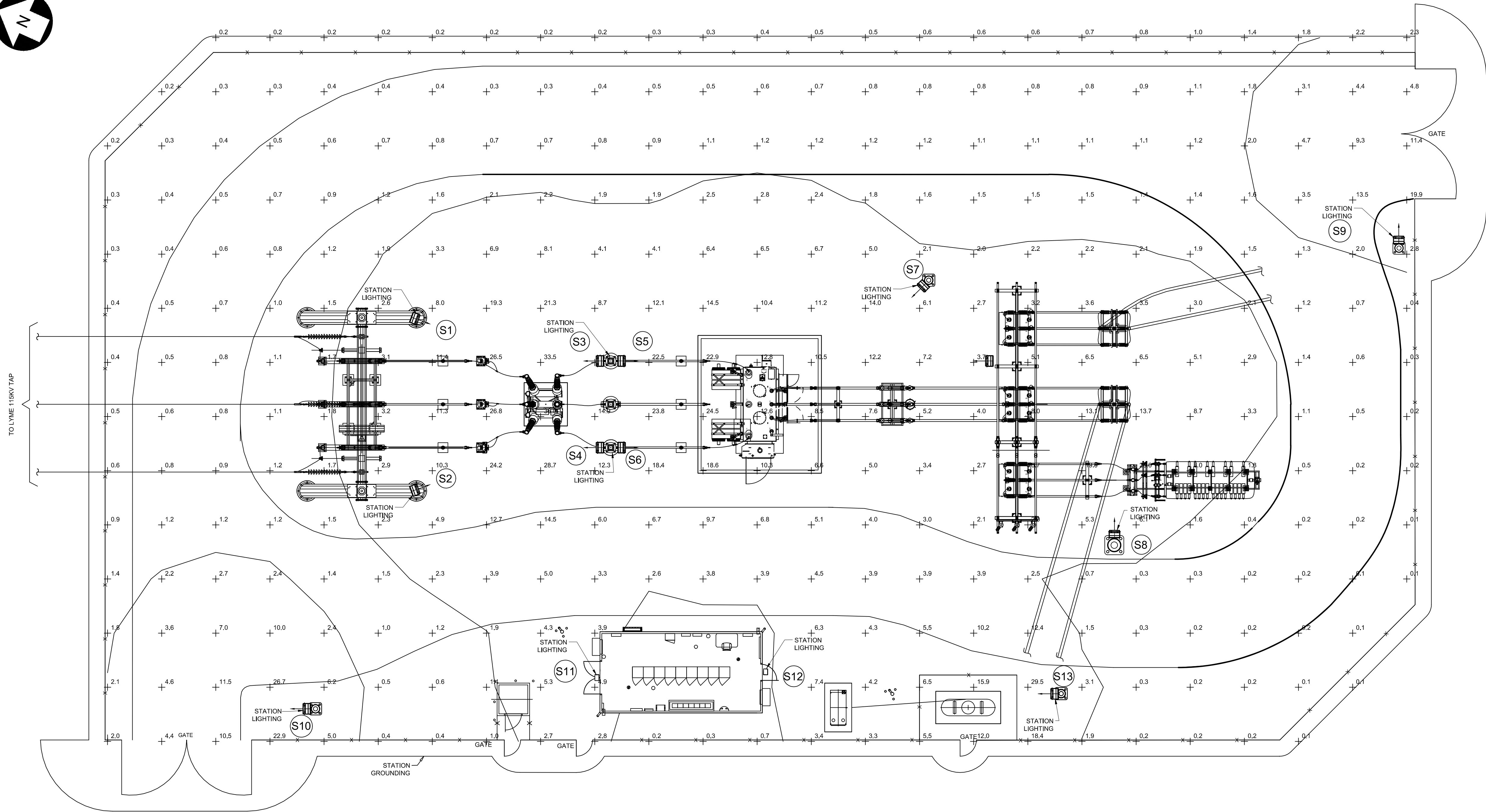
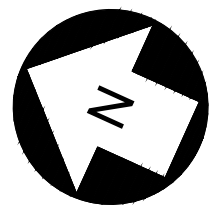
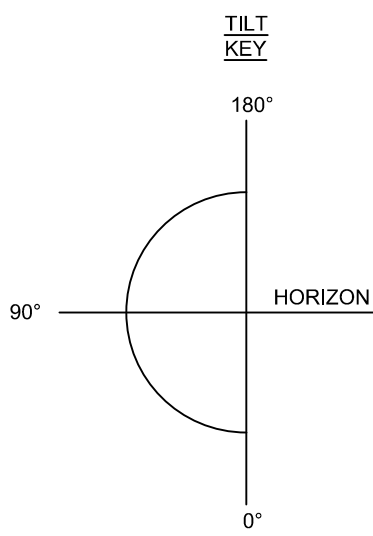


TABLE 1 - LIGHTING FIXTURE SCHEDULE								
FIXTURE						LAMP	PHOTO-ELECTRIC CONTROL	
TYPE	WATTAGE	LIGHT SOURCE	VOLTAGE	WEIGHT (LBS)	LUMENS	NEMA CLASS	MANUFACTURER (GE) ITEM #	MANUFACTURER ITEM #
A1	25W	LED	120V	9.5	2,900	N/A	GE EVOLVE EWA5011A3730N	N/A
A3	150W	LED	120V	26	18,800	7X6	GE EVOLVE EFH101AA76740 W/ TOP & SIDE VISOR TSDKBZ-EFH	N/A
A5	297W	LED	120V	26	37,800	7X6	GE EVOLVE EFH101EE76740 W/ TOP & SIDE VISOR TSDKBZ-EFH	N/A

FIXTURE SCHEDULE				
LIGHT NO.	TYPE	TILT ANGLE	WATTAGE	VOLTAGE
S1	A3	75°	150W	120VAC
S2	A3	75°	150W	120VAC
S3	A3	60°	150W	120VAC
S4	A3	60°	150W	120VAC
S5	A3	60°	150W	120VAC
S6	A3	60°	150W	120VAC
S7	A3	75°	150W	120VAC
S8	A5	75°	297W	120VAC
S9	A3	45°	150W	120VAC
S10	A3	45°	150W	120VAC
S11	A1	0°	25W	120VAC
S12	A1	0°	25W	120VAC
S13	A3	45°	150W	120VAC



AVERAGE = 4.5 F.C.  
MAX = 36.0 F.C.  
MIN = 0.1 F.C.

- NOTES:
- STATION LIGHTING IS COMPRISED OF (2) 25W, (10) 150W, AND (1) 297 W, 120V AC LED FLOODLIGHTS.
  - LIGHT FIXTURES TO BE MOUNTED ON INDICATED STRUCTURES 15' ABOVE FINISHED GRADE. THE FIXTURES SHALL BE AIMED AS SHOWN ON THE DRAWING AND HAVE A TILT ANGLE BASED ON THE FIXTURE SCHEDULE.
  - YARD CONTOURS ARE 2.0 FT CANDLES (F.C.) FOR THIS STATION. 2 FT CANDLES IS THE EQUIVALENT OF 22 LUMENS PER SQUARE METER.
  - FLOODLIGHTS INSTALLED WITH TOP AND SIDE VISORS ACHIEVE FULL CUTOFF REQUIREMENT (0 F.C.) ABOVE FIXTURE.



**PRELIMINARY**  
NOT FOR CONSTRUCTION

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

**aes**

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Salt Lake City, UT 84106-2749  
(801) 579-3500



249 Western Avenue  
Augusta, ME 04330

PE STAMP:



KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
1	08/05/2021	ISSUED FOR PERMIT
2	09/10/2021	ISSUED FOR PERMIT
3	01/21/2022	ISSUED FOR PERMIT

PROJECT TITLE:

**RIVERSIDE SOLAR  
COLLECTION  
SUBSTATION  
115KV-34.5KV**

PROJECT LOCATION:

**TOWNS OF LYME &  
BROWNVILLE  
JEFFERSON CO., NY**

SHEET TITLE & DESCRIPTION:

**GENERAL  
ARRANGEMENT**

**LIGHTING PLAN**

PROJ  
NUM: 422208

DEN: D. FARRELL

DWN: D. FARRELL

CHK: C. PASCALE

APV: C. PASCALE

DATE: 04/15/2021

SCALE AT 22" x 34":



3/32" = 1'-0"

SHEET NO:

HV-P.13.01

REV:

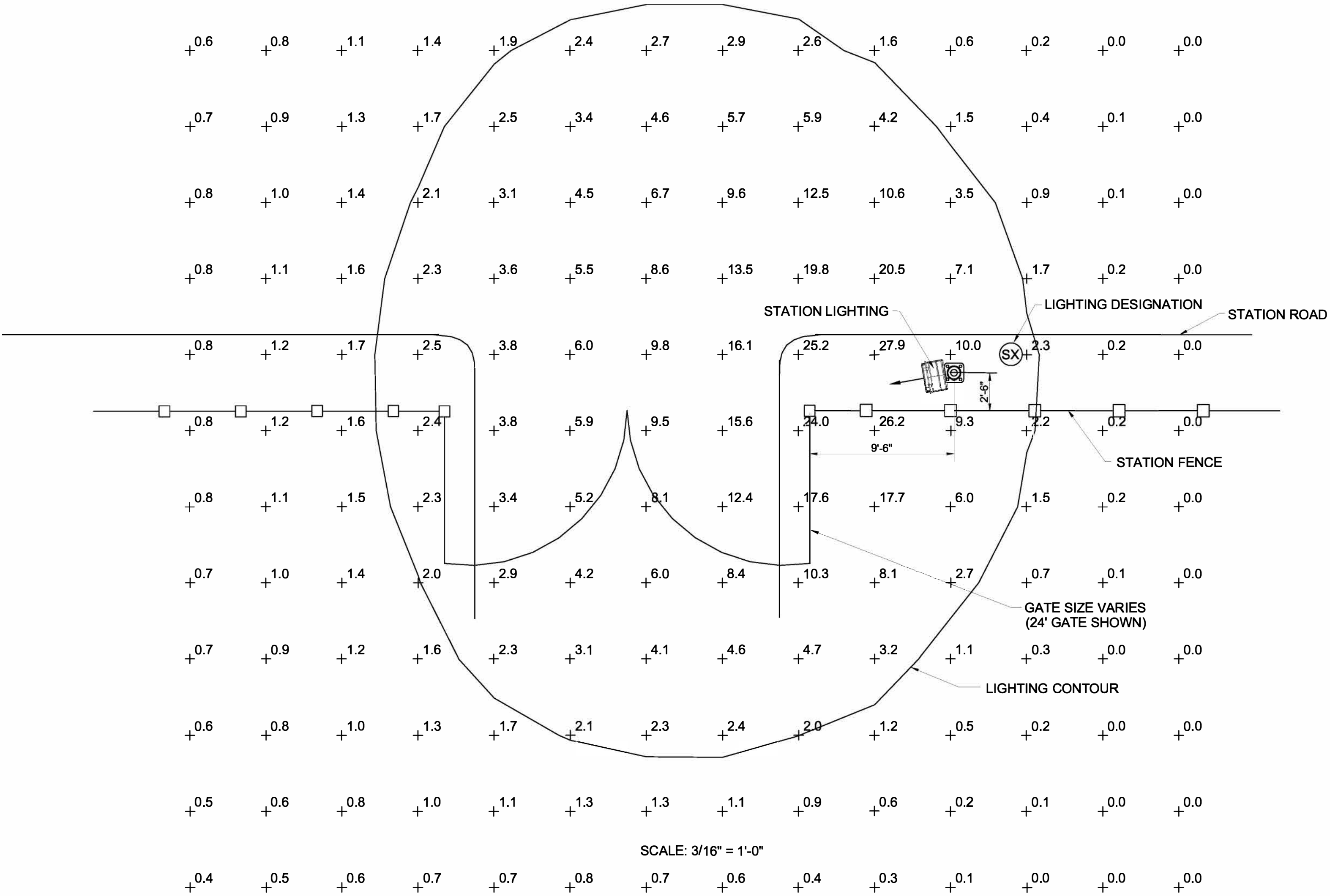
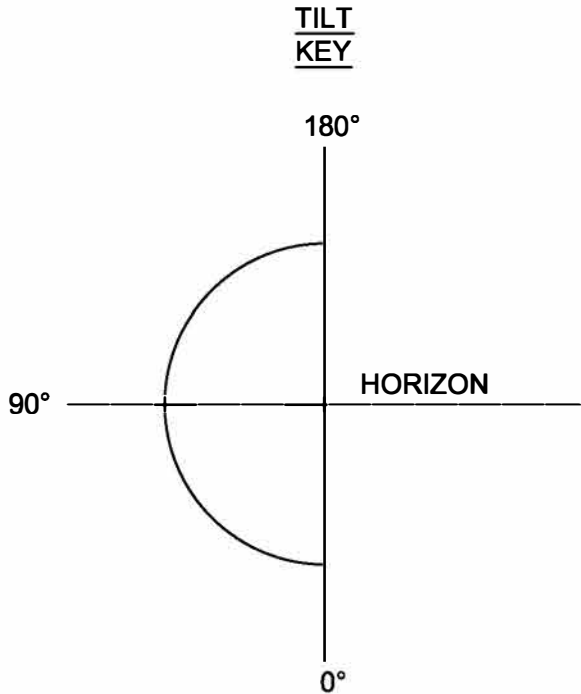
3

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C:\Users\aes\OneDrive\Documents\AES\Projects\2024\08\08.03\_GATE\_LIGHTING.DWG

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

TABLE 1 - LIGHTING FIXTURE SCHEDULE (NOTE 2)									
FIXTURE								LAMP	PHOTO-ELECTRIC CONTROL
TYPE	WATTAGE	LIGHT SOURCE	VOLTAGE	WEIGHT (LBS)	LUMENS	NEMA CLASS	TILT ANGLE	MANUFACTURER (GE) ITEM #	MANUFACTURER ITEM #
A3	150W	LED	120V	26	18,800	7X6	60°	GE EVOLVE EFH101AA76740 W/ TOP & SIDE VISOR TSDKBZ-EFH	N/A



- NOTES:
- ENTRANCE GATE LIGHTING IS COMPRISED OF (1) 150W, 120V AC LED FLOODLIGHT PER GATE. THIS GATE DETAIL IS APPLICABLE TO ALL PV YARD AND O&M YARD GATES. (12) PV YARD GATES AND (1) O&M YARD GATE. A TOTAL OF (13) FIXTURES ARE REQUIRED.
  - LIGHT FIXTURES TO BE MOUNTED ON INDICATED STRUCTURES 15' ABOVE FINISHED GRADE. THE FIXTURES SHALL BE AIMED AS SHOWN ON THIS DRAWING AND HAVE A TILT ANGLE BASED ON THE FIXTURE SCHEDULE.
  - LIGHTING CONTOUR IS 2 FT CANDLES (F.C.) AVERAGE FOR THIS YARD.
  - FLOODLIGHTS INSTALLED WITH TOP AND SIDE VISORS ACHIEVE FULL CUTOFF REQUIREMENT (0 F.C.) ABOVE FIXTURE.
  - GATE LIGHTS SHALL BE CAPABLE OF MANUAL SHUT-OFF.



PRELIMINARY  
NOT FOR CONSTRUCTION

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Augusta, ME 04330

PE STAMP:



KEY PLAN:

REVISIONS:

NO.	DATE	DESCRIPTION
1	08/05/2021	ISSUED FOR PERMIT
2	09/10/2021	ISSUED FOR PERMIT
3	01/21/2022	ISSUED FOR PERMIT
4	02/03/2022	ISSUED FOR PERMIT

PROJECT TITLE:

RIVERSIDE SOLAR  
PROJECT

PROJECT LOCATION:

TOWNS OF LYME AND  
BROWNVILLE, NY

SHEET TITLE & DESCRIPTION:

PV ENTRANCE GATE  
LIGHTING

LIGHTING DETAIL

PROJ NUM:	422208
DES:	D. FARRELL
DWN:	D. FARRELL
CHK:	C. PASCALE
APV:	C. PASCALE
DATE:	05/21/21
SCALE AT 22" x 34": 0 2' 4' 8' 12' 3/16" = 1'-0"	
SHEET NO:	PV-C.08.03
REV:	4