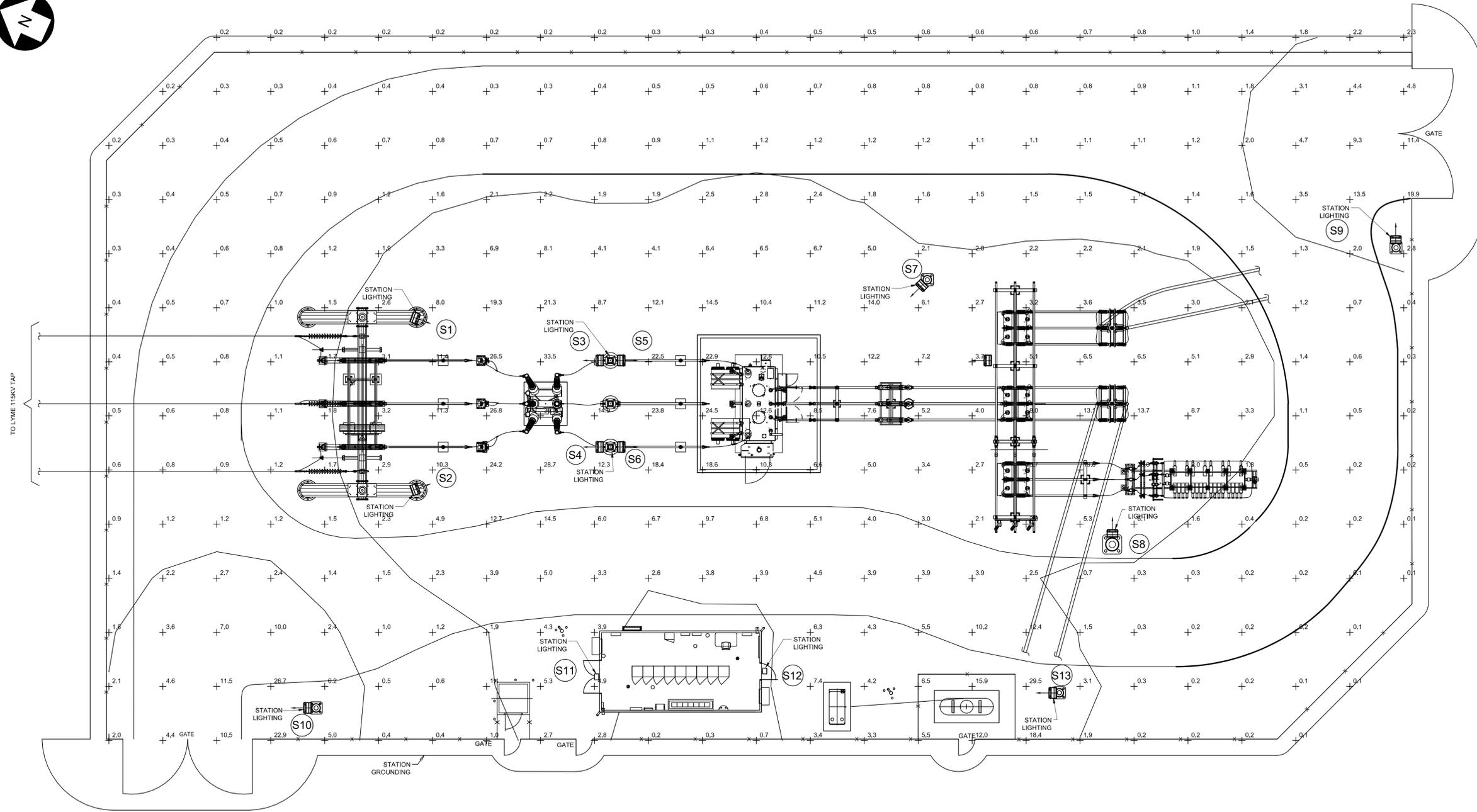


Attachment L

**Revised Lighting Plan**

AES Titleblock 2/23/24 V2.01019



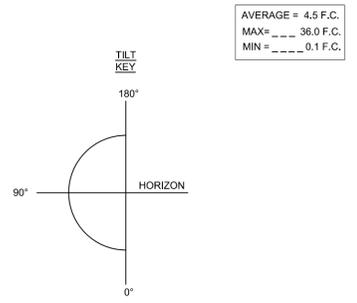
TO LYME 115KV TAP

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	EWS011A3730N		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



- 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**  
2180 South 1300 East, Suite 600  
Salt Lake City, UT 84106-2749  
(801) 679-3500

**TRC**  
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**

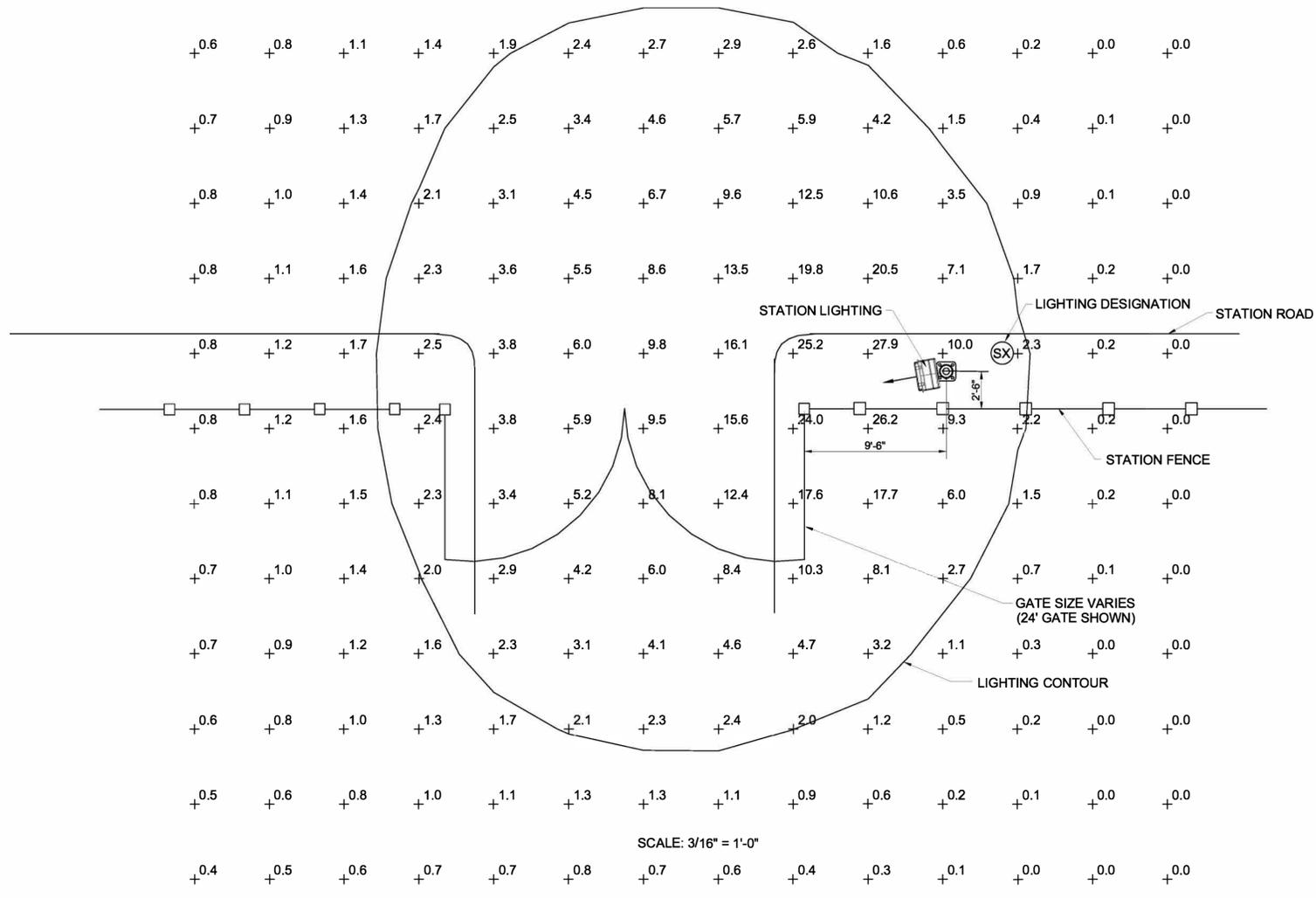
SHEET TITLE & DESCRIPTION:

**GENERAL  
ARRANGEMENT**

**LIGHTING PLAN**

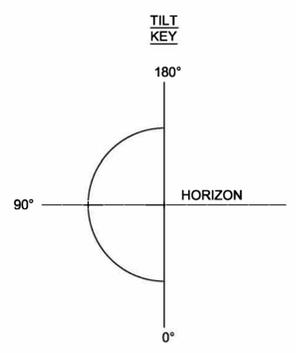
PROJ NUM: 422208  
DES: D. FARRELL  
DWN: D. FARRELL  
CHK: C. PASCALE  
APV: C. PASCALE  
DATE: 04/15/2021  
SCALE AT 22" x 34":  
0 4' 8' 16' 24'  
**3/32" = 1'-0"**  
SHEET NO: HV-P.13.01 REV: 3

AES Timbalah 2/20/21 1:32 PM C:\Users\jpascale\OneDrive\Documents\AES Timbalah\2021\05\03\GATE LIGHTING.DWG



SCALE: 3/16" = 1'-0"

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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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