




No.	DATE	SAMPLE PLAN REVISION
0	5-08	ORIGINAL SHEET

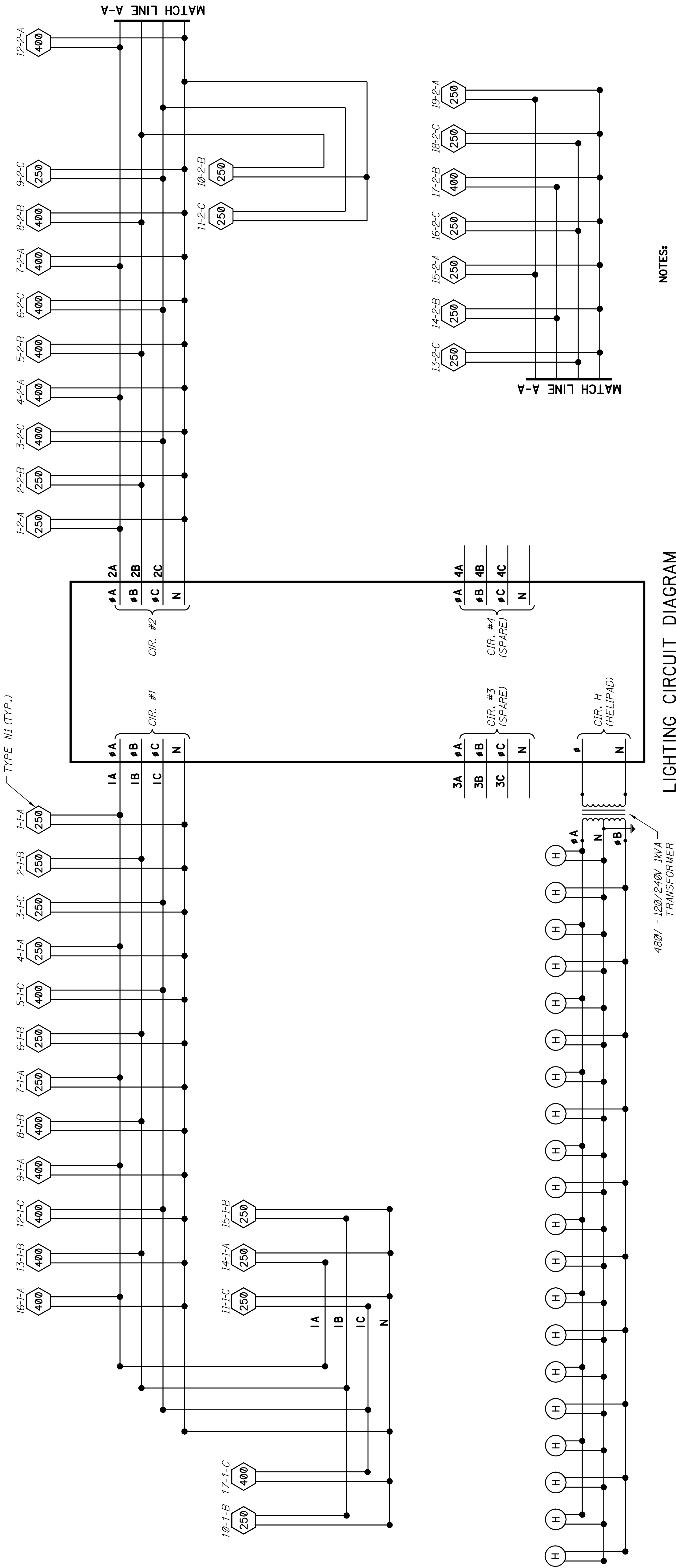
	BY	DATE
MADE	XXX	XX-XX-XX
TRACED	XXX	XX-XX-XX
CHECKED	XXX	XX-XX-XX
SUPERVISED	X.XXXX	

PANEL DESIGNATION		LOCATION:	TMC Building, Electrical and Mechanical Room	MAIN:				100A, 3-POLE, 480 VAC			
OL		PANEL TYPE:	18-POLE, 60Hz with Ground Bus	BUS/FRAME SIZE:				100A Frame			
(OUTDOOR LIGHTING)		PANEL ENCLOSURE:	NEMA-1	PANEL MOUNTING:				Surface			
		VOLTAGE:	480/277 VAC, 3*, 4-WIRE WITH SOLID NEUTRAL	BRANCH CB RATING:				1-Pole, 277 VAC, 65K AIC			
BKR #	LOAD DESCRIPTION	CIR LOAD kW	CIR. BREAKER		LOAD (kW)		CIR. BREAKER		CIR LOAD kW	LOAD DESCRIPTION	BKR #
			AMPS	POLE	φ A	φ B	φ C	AMPS	POLE		
1	LIGHTING CIRCUIT 1		20	1	4,455			20	1		2
3	Entrance and Exit Ramp, Inner and	6.295	20	1		4,455		20	1		4
5	Outer Circle, North East Drive Lot		20	1			4,455	20	1	LIGHTING CIRCUIT 2 Southeast Lot, Southwest Lot, Garage Area	6
7	Spare	0	20	1	0			20	1	0	8
9	Spare	0	20	1		0		20	1	0	10
11	Spare	0	20	1			0	20	1	0	12
13	HELIPAD LIGHTING (FATO & TOFL)	0.300	20	1	0.150					(SPACE)	14
15			20	1		0.150				(SPACE)	16
17	(SPACE)			1						(SPACE)	18
TOTAL CONNECTED LOAD (EACH PHASE):					4.605	4.605	4.455	REMARKS:			
TOTAL CONNECTED LOAD (kW):					13.665						

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**NOTES:**

1. 3-PHASE, 4-WIRE, 480V/277V PANELBOARD CAT. # FN18181C SQUARE D (INTERIOR ONLY) IN NEWA1 PANELBOARDS. THE PANELBOARD SHALL BE FURNISHED WITH A 3-POLE 100A MAIN BREAKER AND (14) 1-POLE 20A, 277V 65 KAIC EDB TYPE BOLT-ON SQUARE D CIRCUIT BREAKERS. ALL BREAKERS SHALL BE UL LISTED.
2. LUG ON ALL BRANCH CIRCUIT BREAKERS SHALL BE CAPABLE OF ACCEPTING THE WIRE USED FOR LIGHTING CIRCUITS.

**LEGEND**  
250 W, 277, HPS LUMINAIRE

## (H) HELIPAD LIGHTING

## LEGEND

ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY

**ROADWAY NAME**

**PROJECT DESCRIPTION**

**CONTRACT NO.**

# ROADWAY LIGHTING WIRING DIAGRAM AND LIGHTING SCHEDULE-1-

NAME OF CONSULTANT

ADDRESS  
CERTIFICATE OF AUTHORIZATION NO. XXXXXXXXXX

SCALE: NONE

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**JOHN DOE**  
NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. XXXXXXXXXXXXXXX

NEW JERSEY PRO

SAMPLE PLAN SHEET NO.38 OF 69