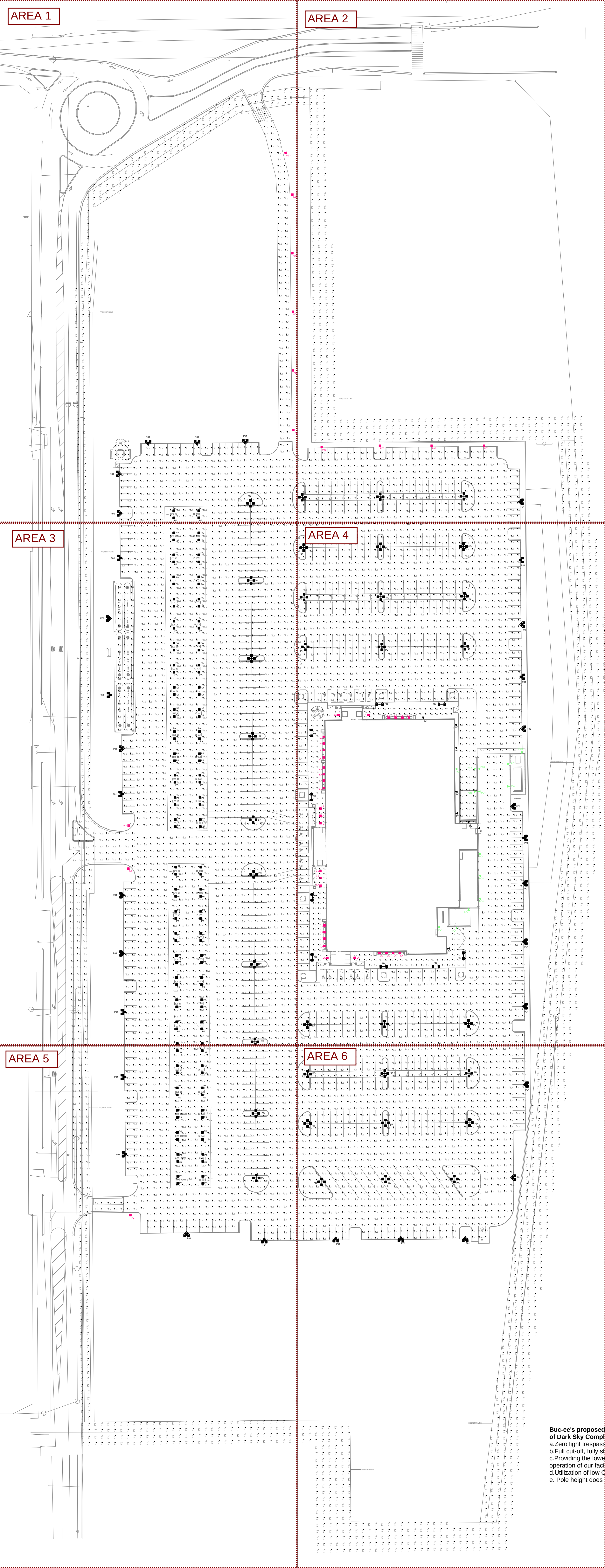
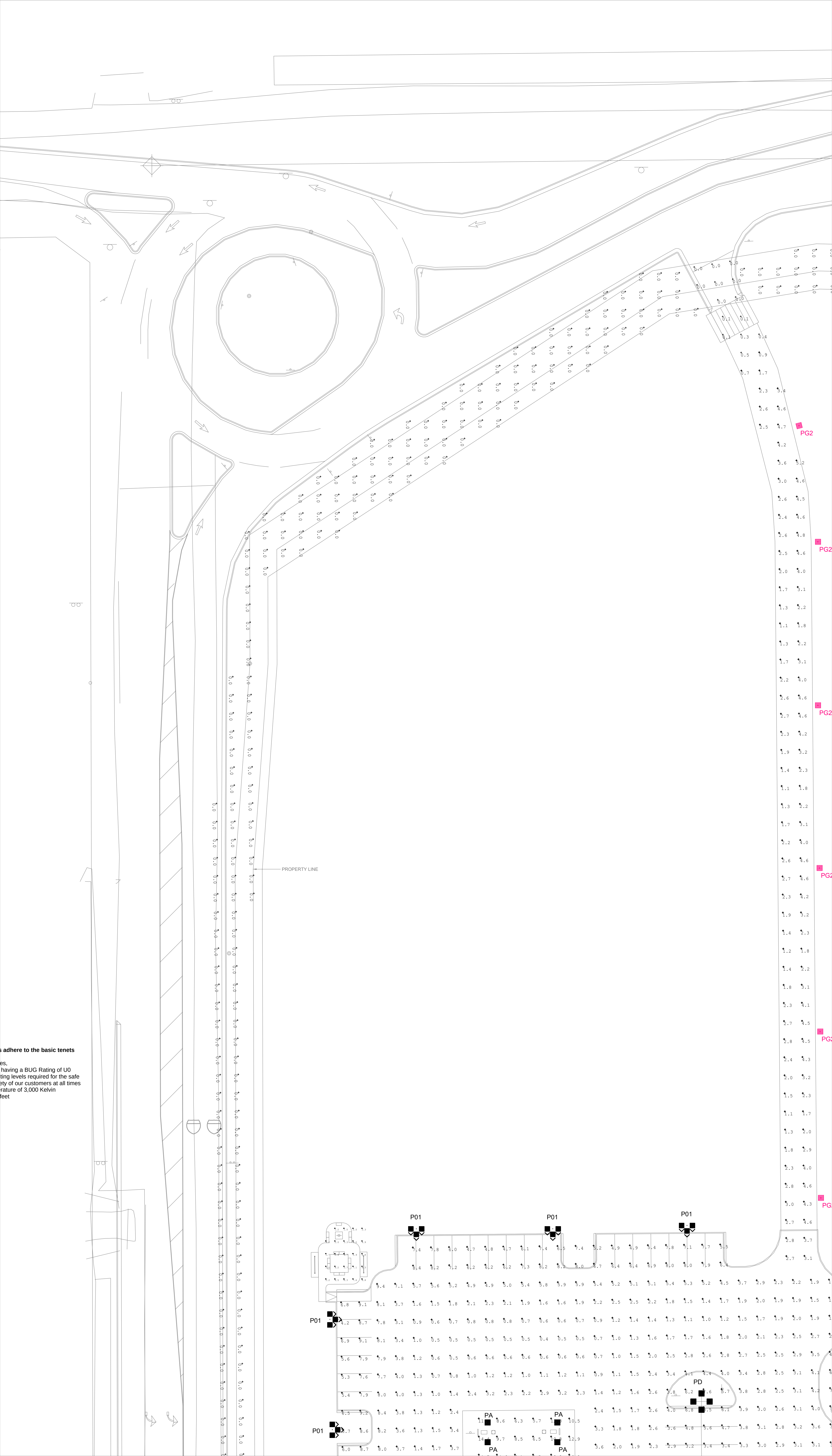


OVERALL PLAN



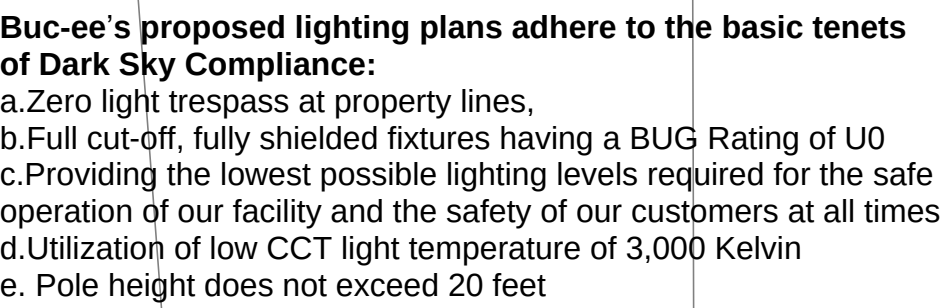
Buc-ee's proposed lighting plans adhere to the basic tenets of Dark Sky Compliance:

- a. Zero light trespass at property lines,
- b. Full cut-off, fully shielded fixtures having a BUG Rating of U0
- c. Providing the lowest possible lighting levels required for the safe operation of our facility and the safety of our customers at all times
- d. Utilization of low CCT light temperature of 3,000 Kelvin
- e. Pole height does not exceed 20 feet



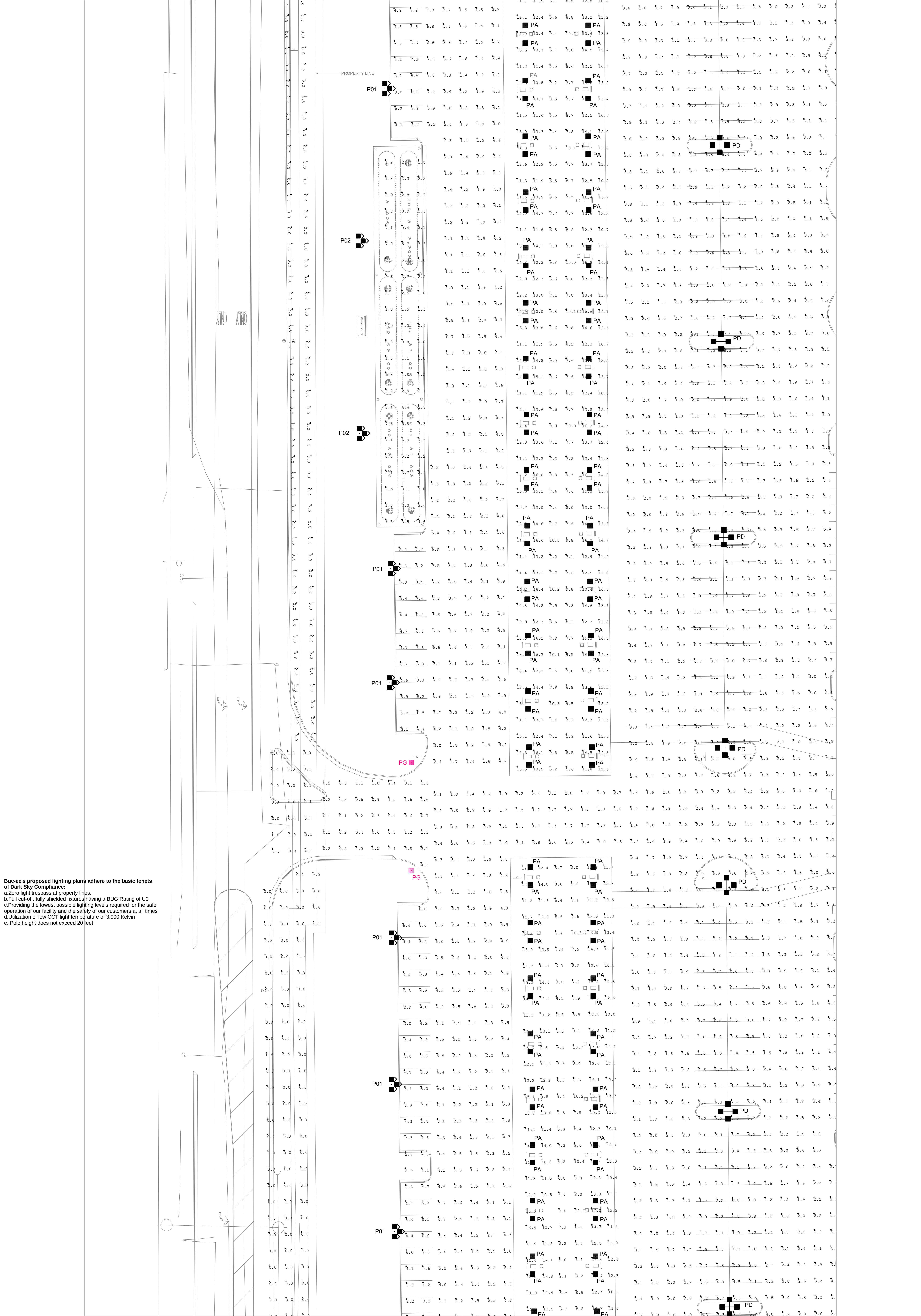
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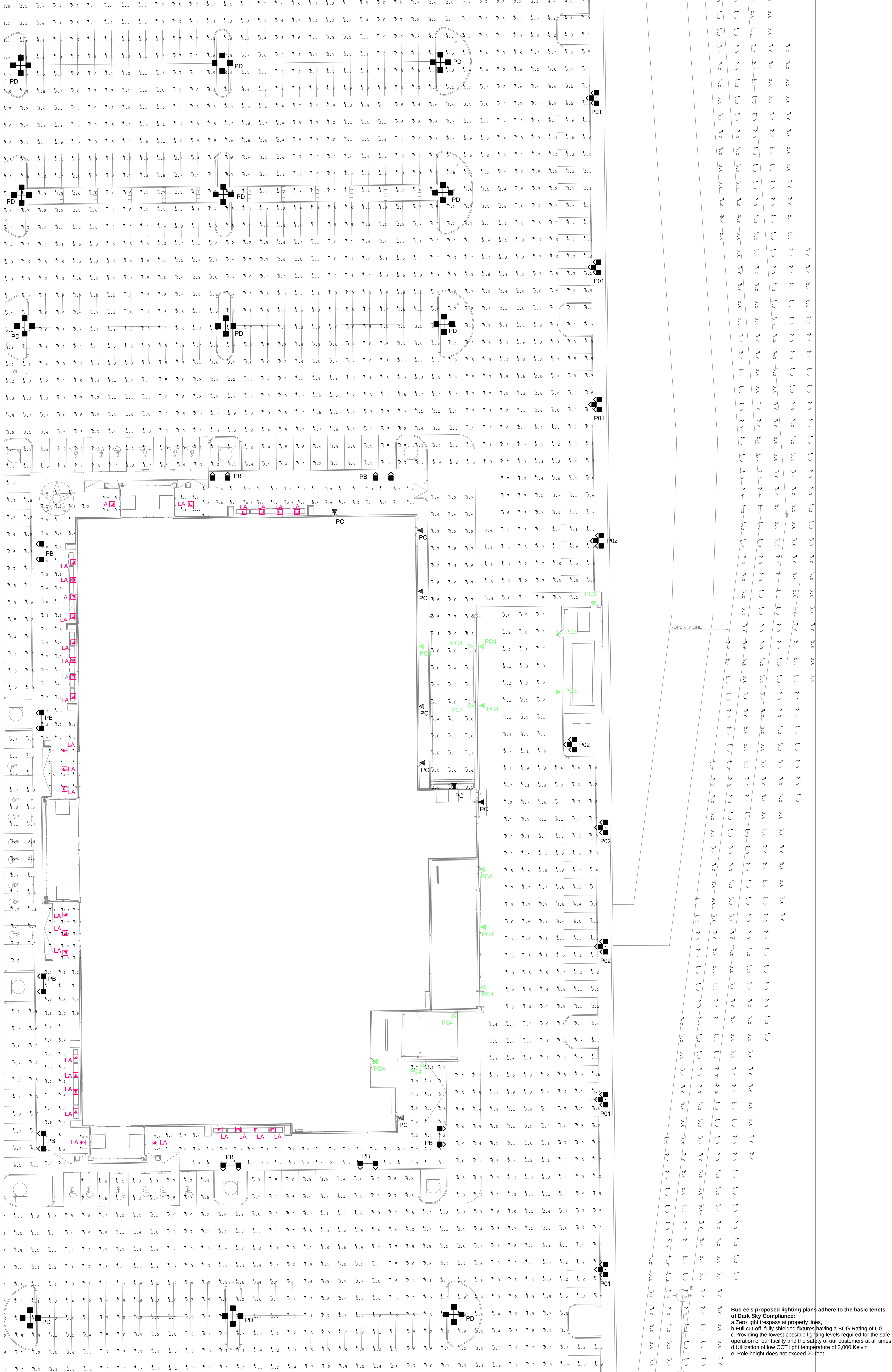
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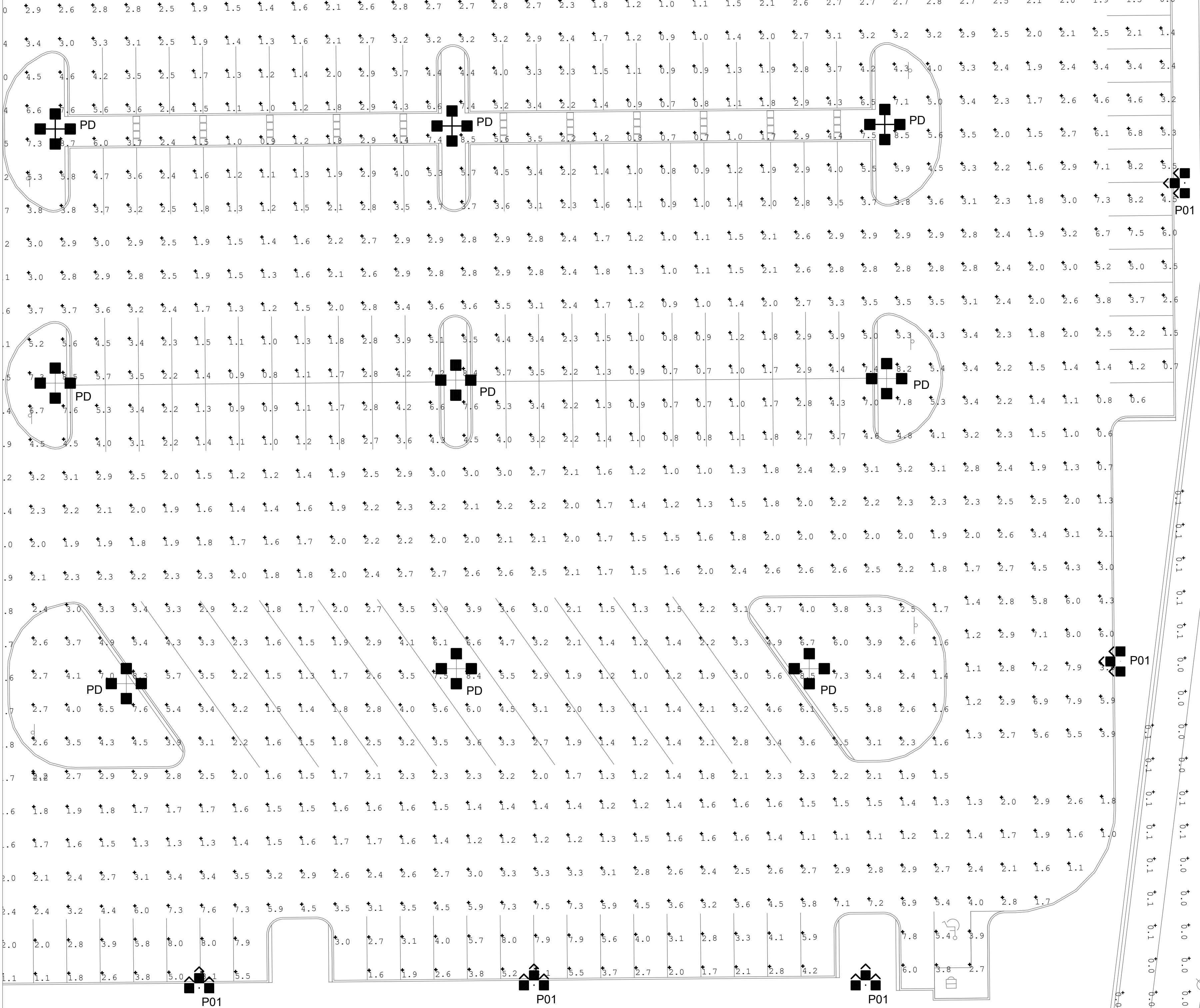
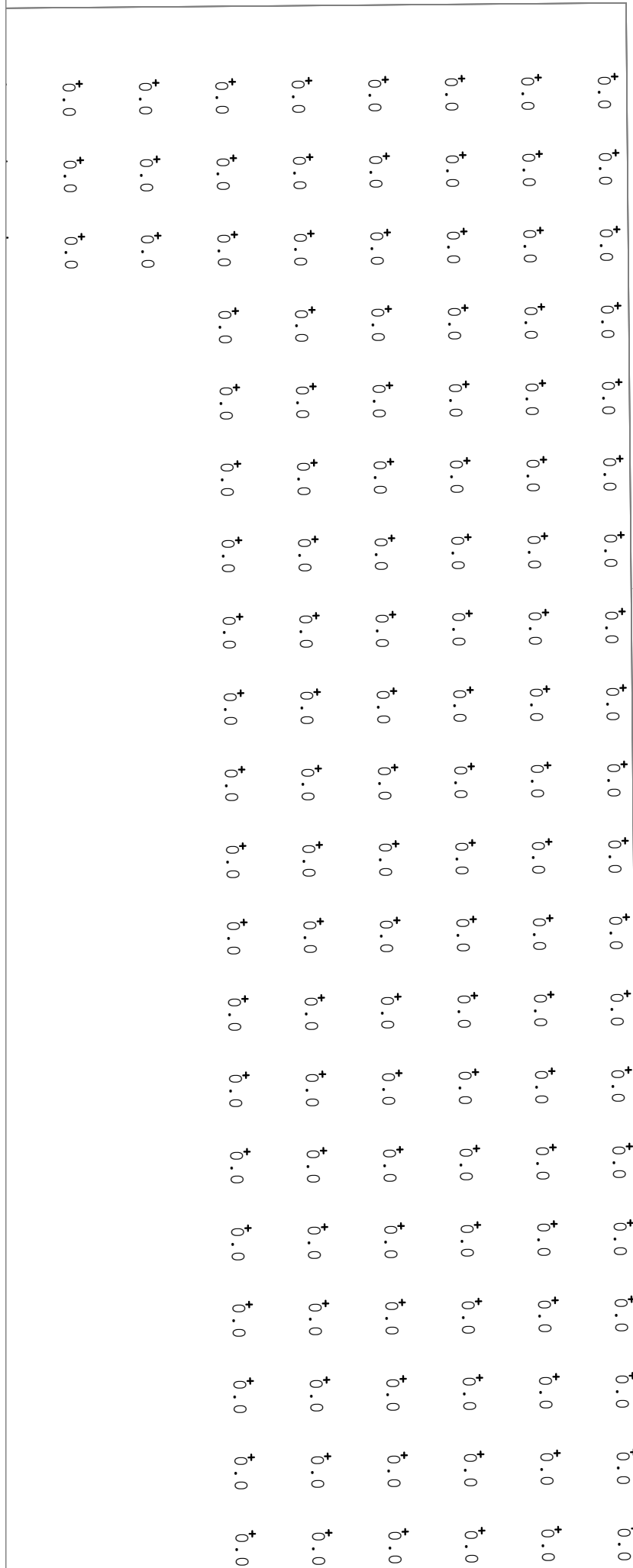




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| Luminaire Schedule                                                                |     |       |                |                               |     |       |                  |                 |             |                 |                   |
|-----------------------------------------------------------------------------------|-----|-------|----------------|-------------------------------|-----|-------|------------------|-----------------|-------------|-----------------|-------------------|
| Symbol                                                                            | Qty | Label | Arrangement    | Description                   | Tag | LLF   | Luminaire Lumens | Luminaire Watts | Total Watts | Mounting Height | Color Temperature |
|  | 4   | P03   | SINGLE         | MRM-LED-09L-SIL-2-30-70CRI-IL | P03 | 0.850 | 5990             | 62              | 248         | 20              | 3000              |
|  | 3   | PG    | SINGLE         | MRM-LED-07L-SIL-2-30-70CRI-IL | PG  | 0.850 | 4594             | 48              | 144         | 20              | 3000              |
|  | 6   | PG2   | SINGLE         | MRM-LED-12L-SIL-2-30-70CRI-IL | PG2 | 0.850 | 7984             | 85              | 510         | 20              | 3000              |
|  | 26  | P01   | D180 2RTD 1-90 | MRM-LED-09L-SIL-3-30-70CRI-IL | P01 | 0.850 | 6858             | 62              | 4836        | 20              | 3000              |
|  | 6   | P02   | D180 2RTD 1-90 | MRM-LED-09L-SIL-4-30-70CRI-IL | P02 | 0.850 | 6145             | 62              | 1116        | 20              | 3000              |
|  | 11  | PC4   | SINGLE         | WPSLL-04L-30                  | PC4 | 0.850 | 4147             | 40              | 440         | 10              | 3000              |
|  | 3   | PC3   | SINGLE         | WPSLL-04L-30                  | PC4 | 0.850 | 4147             | 40              | 120         | 10              | 3000              |
|  | 30  | LA    | Single         | XSPS-S-LED-SS-WW-DFL          | LA  | 0.850 | 3817             | 31.1            | 933         | 12              | 3000              |
|  | 120 | PA    | SINGLE         | CRUS-SC-VLW-30                | PA  | 0.850 | 8783             | 60              | 7200        | 17              | 3000              |
|  | 9   | PB    | D180° 2RTD     | MRM-LED-12L-SIL-3-30-70CRI    | PB  | 0.850 | 13232            | 85              | 1530        | 20              | 3000              |
|  | 8   | PC    | SINGLE         | WPSLL-04L-30                  | PC  | 0.850 | 4147             | 40              | 320         | 15              | 3000              |
|  | 34  | PD    | 4 @ 90°        | MRM-LED-07L-SIL-FT-30-70CRI   | PD  | 0.850 | 7562             | 48              | 6528        | 20              | 3000              |

| Calculation Summary        |             |       |       |      |      |         |         |
|----------------------------|-------------|-------|-------|------|------|---------|---------|
| Label                      | CalcType    | Units | Avg   | Max  | Min  | Avg/Min | Max/Min |
| Bicycle Parking            | Illuminance | Fc    | 4.22  | 8.8  | 1.2  | 3.52    | 7.33    |
| East Walkway Entry 1       | Illuminance | Fc    | 4.94  | 17.3 | 1.3  | 3.80    | 13.31   |
| Front Entrance - Canopy 1  | Illuminance | Fc    | 9.99  | 14.0 | 4.7  | 2.13    | 2.98    |
| Front Entrance - Canopy 2  | Illuminance | Fc    | 10.35 | 14.0 | 5.5  | 1.88    | 2.55    |
| Front Walkway Entry 1      | Illuminance | Fc    | 4.39  | 9.6  | 0.7  | 6.27    | 13.71   |
| Front Walkway Entry 2      | Illuminance | Fc    | 4.91  | 7.6  | 1.5  | 3.27    | 5.07    |
| Fuel Canopy 1              | Illuminance | Fc    | 11.34 | 16.9 | 5.6  | 2.03    | 3.02    |
| Fuel Canopy 2              | Illuminance | Fc    | 11.16 | 17.0 | 2.4  | 4.65    | 7.08    |
| Fuel Tanks                 | Illuminance | Fc    | 3.18  | 7.3  | 0.8  | 3.98    | 9.13    |
| Parking Lot                | Illuminance | Fc    | 2.91  | 9.4  | 0.3  | 9.70    | 31.33   |
| Propertly Line 1           | Illuminance | Fc    | 0.00  | 0.1  | 0.0  | N.A.    | N.A.    |
| Propertly Line 2           | Illuminance | Fc    | 0.00  | 0.0  | 0.0  | N.A.    | N.A.    |
| Propertly Line 3           | Illuminance | Fc    | 0.00  | 0.0  | 0.0  | N.A.    | N.A.    |
| Roadway 1                  | Illuminance | Fc    | 2.66  | 5.2  | 0.1  | 26.60   | 52.00   |
| Receiving Area             | Illuminance | Fc    | 3.50  | 16.3 | 0.5  | 7.00    | 32.60   |
| Roadway 2                  | Illuminance | Fc    | 1.31  | 2.7  | 0.2  | 6.55    | 13.50   |
| Roadway Entry 2            | Illuminance | Fc    | 1.15  | 4.2  | 0.1  | 11.50   | 42.00   |
| Roadway Property Line 1    | Illuminance | Fc    | 0.03  | 0.1  | 0.0  | N.A.    | N.A.    |
| Roadway Property Line 2    | Illuminance | Fc    | 0.05  | 0.1  | 0.0  | N.A.    | N.A.    |
| Roadway Property Line 3    | Illuminance | Fc    | 0.00  | 0.0  | 0.0  | N.A.    | N.A.    |
| RV Parking                 | Illuminance | Fc    | 3.05  | 8.5  | 1.0  | 3.05    | 8.50    |
| Side Entrance 1 - Canopy 1 | Illuminance | Fc    | 9.10  | 9.7  | 8.5  | 1.07    | 1.14    |
| Side Entrance 1 - Canopy 2 | Illuminance | Fc    | 10.70 | 11.1 | 10.3 | 1.04    | 1.08    |
| Side Entrance 2 - Canopy 1 | Illuminance | Fc    | 8.53  | 10.9 | 6.4  | 1.33    | 1.70    |
| Side Entrance 2 - Canopy 2 | Illuminance | Fc    | 7.38  | 9.3  | 5.7  | 1.29    | 1.63    |
| West Walkway Entry 1       | Illuminance | Fc    | 6.00  | 11.1 | 2.3  | 2.61    | 4.83    |

| Luminaire Schedule                                                                  |     |       |     |                   |                              |                                           |
|-------------------------------------------------------------------------------------|-----|-------|-----|-------------------|------------------------------|-------------------------------------------|
| Symbol                                                                              | Qty | Label | Tag | Arrangement Watts | Arrangement Luminaire Lumens | Total Lumens (Quantity*Arrangment Lumens) |
|  | 4   | P03   | P03 | 62                | 5990                         | 7965                                      |
|  | 3   | PG    | PG  | 48                | 4594                         | 90990                                     |
|  | 6   | PG2   | PG2 | 85                | 7984                         | 32732                                     |
|  | 26  | P01   | P01 | 186               | 20574                        | 440720                                    |
|  | 6   | P02   | P02 | 186               | 18435                        | 971376                                    |
|  | 11  | PC4   | PC4 | 40                | 4147                         | 342720                                    |
|  | 3   | PC3   | PC4 | 40                | 4147                         | 45617                                     |
|  | 30  | LA    | LA  | 31.1              | 3817                         | 8294                                      |
|  | 120 | PA    | PA  | 60                | 8783                         | 171990                                    |
|  | 9   | PB    | PB  | 170               | 26464                        | 2146680                                   |
|  | 8   | PC    | PC  | 40                | 4147                         | 585824                                    |
|  | 34  | PD    | PD  | 192               | 30248                        | 63840                                     |

**Site Plan Summary:**

- All Site lighting is full cutoff.

- Fuel Canopy fixtures are surface mounted, however lens is recessed in the fixture. Lighting level under fuel canopy does not exceed 20 FC.

- All parking lot areas do not exceed a maximum of 10 FC. All poles are mounted a maximum of 20'. Pole heights are 17'-1/2" with 2'-1/2" base for a total height of 20'

- Lighting level shown at property line do not exceed .1FC. Grass area on Bucee's property not shown for clarity.

