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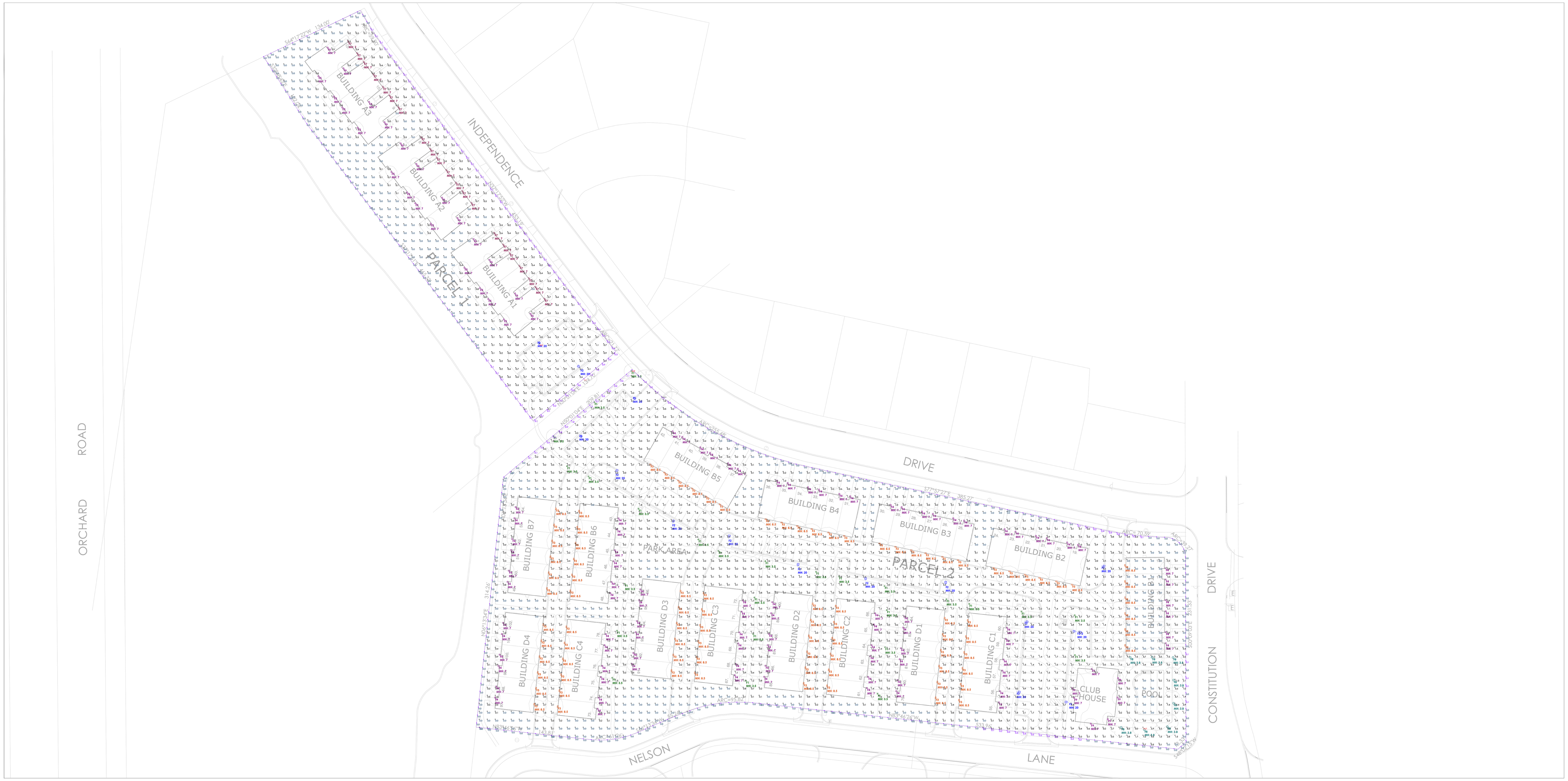

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.

Symbol	Qty	Tag	Arrangement	Lum. Watts	Arr. Watts	Lum. Lumens	Arr. Lum. Lumens	LLF	Manufacturer	Description
	26	F1	Single	41.2	41.2	1454	1454	0.900	LIGMAN	UAA-10087-41W-2-W40-X-X
	14	F2	Single	81	81	10686	10686	0.900	LIGMAN	USE-90012-80W-T3-W40-X-X
	1	F2-2	Back-Back	81	162	10686	21372	0.900	LIGMAN	USE-90012-80W-T3-W40-X-X (2@180)
	90	F3	Single	13.8	13.8	1385	1385	0.900	LIGMAN	ULEE-30011-14W-T4-W40-X-X
	90	F4	Single	8.1	8.1	392	392	0.900	PROGRESS	P6068-3130K9 (or equivalent wall mount)
	12	F5	Single	8.1	8.1	392	392	0.900	PROGRESS	P6068-3130K9 (or equivalent wall mount)
	12	F6	Single	8.1	8.1	392	392	0.900	PROGRESS	P6068-3130K9 (or equivalent wall mount)
	21	F7	Single	19.7	19.7	593	593	0.900	LIGMAN	USA-31471-20W-W40-X-X
	8	F8	Single	47.5	47.5	4524	4524	0.900	LIGMAN	UFOR-10131-48W-T4-W40-X-X
	7	F9	Single	8.1	8.1	392	392	0.900	PROGRESS	P6068-3130K9 (or equivalent wall mount)

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PROPERTY AREA A_Planar	Illuminance	Fc	0.45	6.3	0.0	N.A.	N.A.	READINGS @ GRADE
PROPERTY AREA B_Planar	Illuminance	Fc	1.39	14.1	0.0	N.A.	N.A.	READINGS @ GRADE
PROPERTY LINES A	Illuminance	Fc	0.11	1.1	0.0	N.A.	N.A.	READINGS @ GRADE
PROPERTY LINES B	Illuminance	Fc	0.14	4.2	0.0	N.A.	N.A.	READINGS @ GRADE
PARKING AREA A	Illuminance	Fc	2.34	6.3	0.6	3.90	10.50	READINGS @ GRADE
PARKING AREAS B	Illuminance	Fc	2.39	5.6	0.5	4.78	11.20	READINGS @ GRADE

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Parking Lot Design Guide	Basic (for typical conditions)	Basic Enhanced Security (in consideration of personal security or vandalism)	Security (security lighting for public spaces)	High Security (security lighting for public spaces)
	lux/fc	lux/fc	lux/fc	lux/fc
Minimum Horizontal Illuminance (Measured on parking surface without any shadowing from any object)	2.0/0.2	5.0/0.5	10.0/1.0	30.0-60.0/3.0-6.0
Uniformity Ratio Maximum - to - Minimum	20:1	15:1	15:1	*4:1 *Avg-Min
Minimum Vertical Illuminance (for facial recognition measured at 5' above the parking surface at the point of lowest horizontal illuminance)	1.0/0.1	2.5/0.25	5.0-8.0/0.5-0.8	12-60/1.2-6.0

Recommendations based on RP-33-99, RP-20-98, 9th Edition IESNA Lighting Handbook

PHOTOMETRIC PLAN

G|D|S DEVELOPMENT

WDN ARCHITECTURE, llc

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PHOTOMETRIC PLAN PARCEL 1

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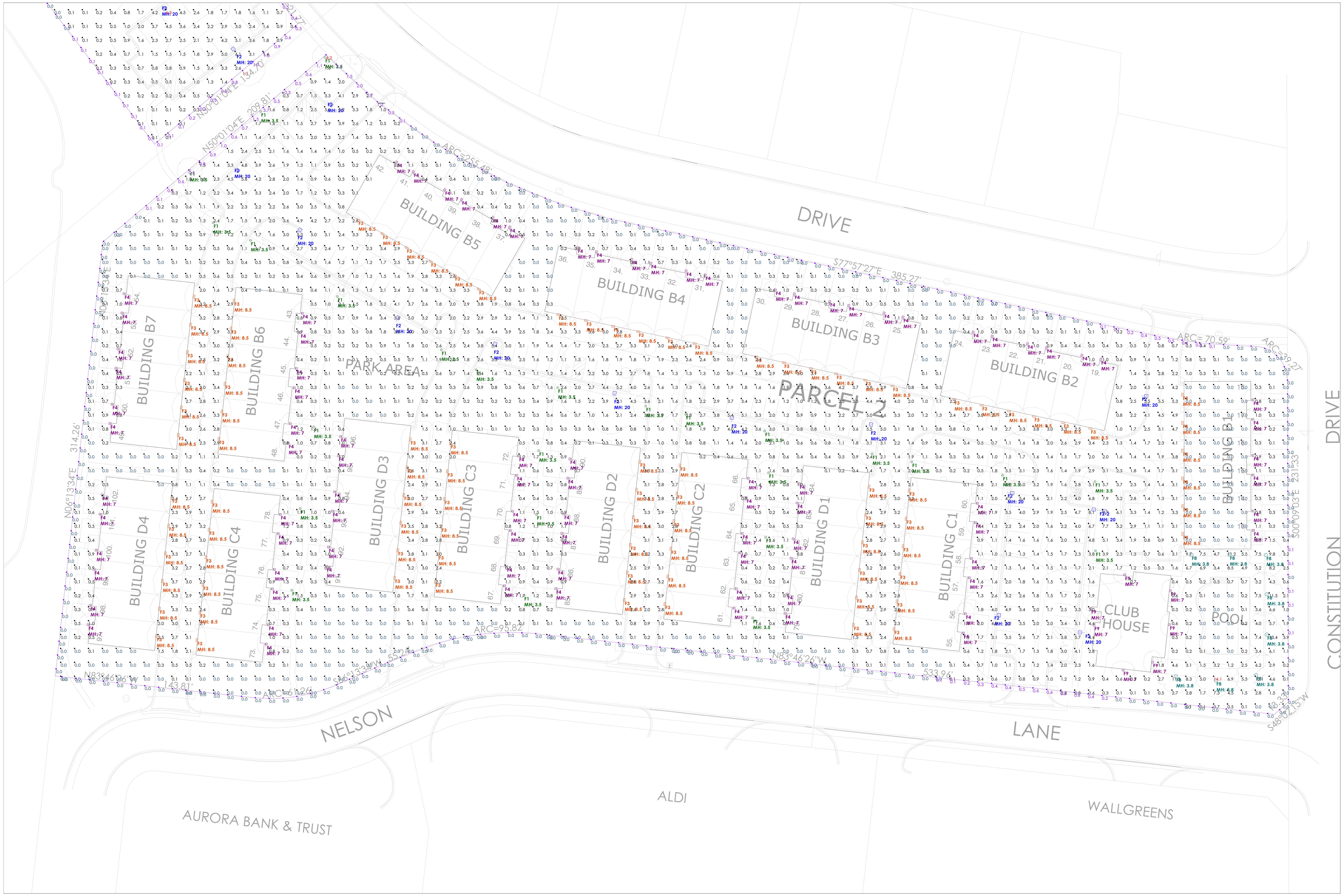

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Lighting Application drawings are being provided to the recipient of this disclaimer. We make no representation as to its completeness, currency or accuracy because of reasons inherent to CAD and the additional digital data used to produce a lighting application. All digital CAD data appear to be extremely accurate, however, this apparent accuracy is an artifact of the techniques used to generate it, and is in no way intended to imply actual accuracy. The user of this data takes full responsibility for the accuracy and correctness of all measurements, area, inventories or other data extracted from this, either manually or with the use of a computer. This light level analysis is an estimate only, and is based on estimated reflectance values for interior applications or estimated pole locations based on specified light levels for exterior applications. Any variance from reflectance values, obstructions, light loss factors or dimensional data will affect the actual light levels obtained. This analysis is a mathematical model and can be only as accurate as is permitted by the third party software and the IES standards used. In additioncalculated values may vary from actual measurements in certain situations due to variances, such as but not limited to, lamp output, input voltage, ballast variances, manufacturing tolerances and application variances. The presence of objects will decrease light levels and may cause some shadowing.

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PHOTOMETRIC PLAN PARCEL 2

G|D|S
DEVELOPMENT

WDN ARCHITECTURE, llc