



DG+Associates llc
Design // Planning // Development

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141 E. 16th St.
Costa Mesa, Ca. 92627

CLIENT:

The Mercantile
141 E. 16th St.
Costa Mesa, Ca. 92627

ENERGY CONSULTANT:

STRUCTURAL ENGINEERING:

AART ASSINK ASSOCIATES
1611 El Prado Avenue
Torrance, Ca. 90501
Phone (310) 618-0782

NO.	DATE	REVISIONS

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DRAWN BY: D.GREGG



EXISTING
FLOOR PLAN

A.1

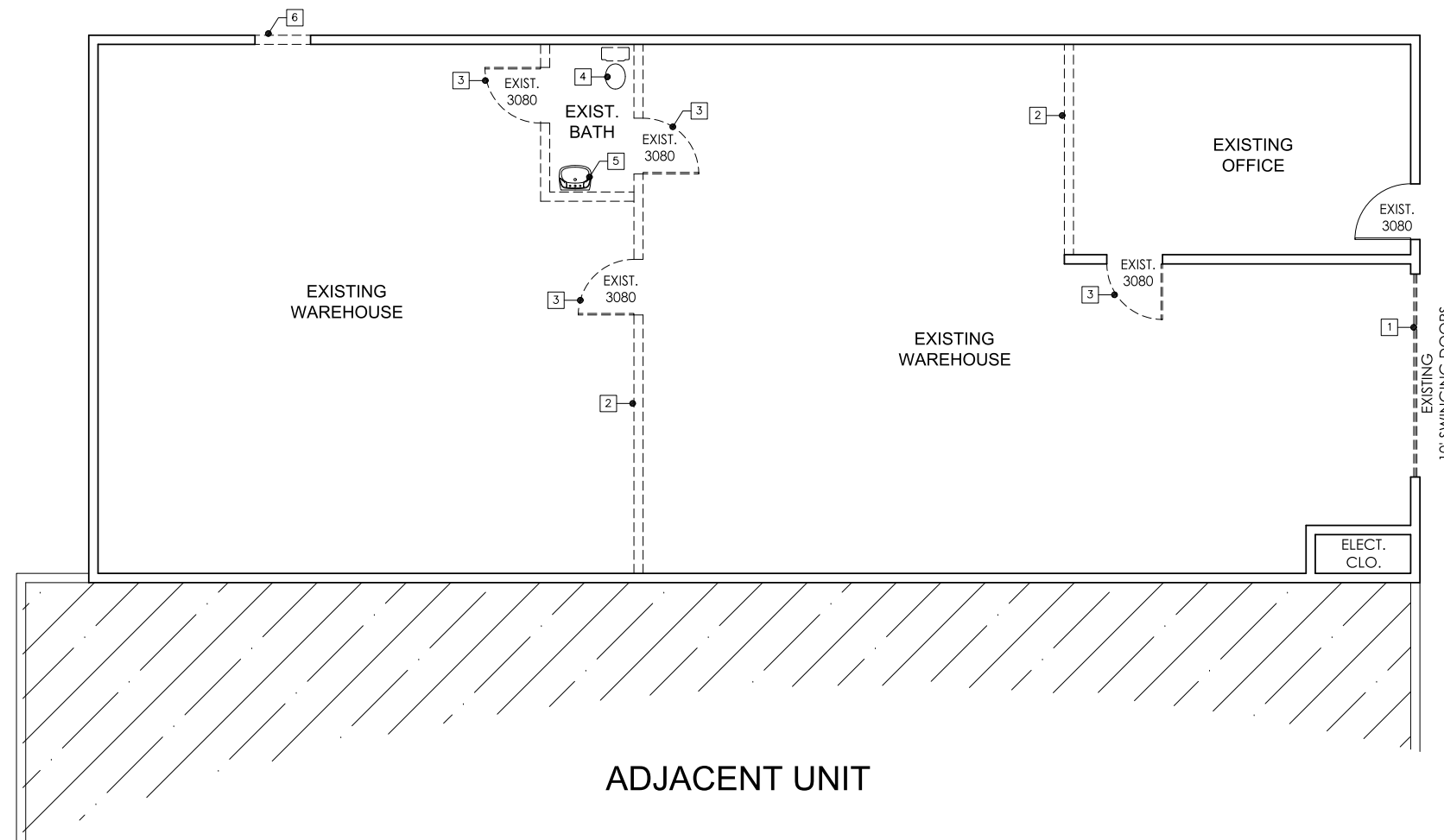
DATE: 02/24/23 SCALE: 1/4" = 1'-0"

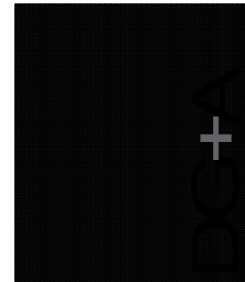
FLOOR PLAN KEY NOTES

- 1 DEMO EXISTING FRON SWINGING DOORS / PREP FOR NEW WINDOW PER A.2
- 2 DEMO EXISTING NON-BEARING WALL
- 3 DEMO EXISTING DOOR
- 4 DEMO EXISTING TOILET
- 5 DEMO EXISTING SINK
- 6 DEMO OPENING TO ACCOMMODATE NEW 3080 DOOR

WALL LEGEND

- EXISTING WALL
- WALL TO BE REMOVED





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PROPOSED
FLOOR PLAN/ SECTIONS

A.2

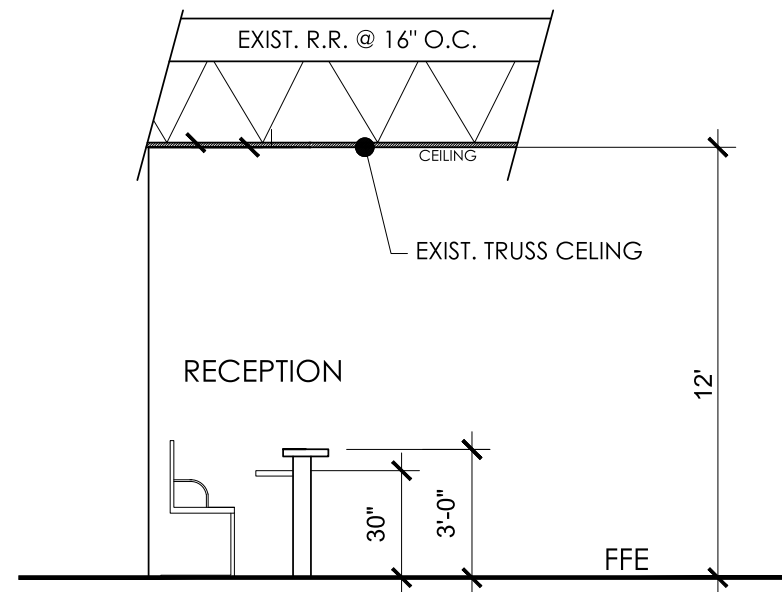
DATE: 02/24/23 SCALE: 1/4" = 1'-0"



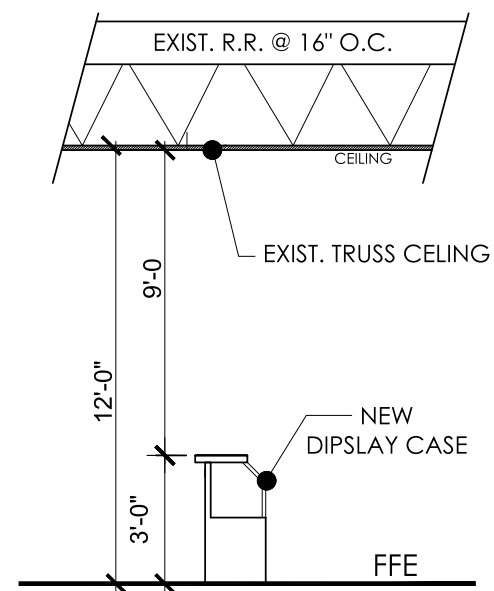
FRONT ELEVATION

WALL LEGEND

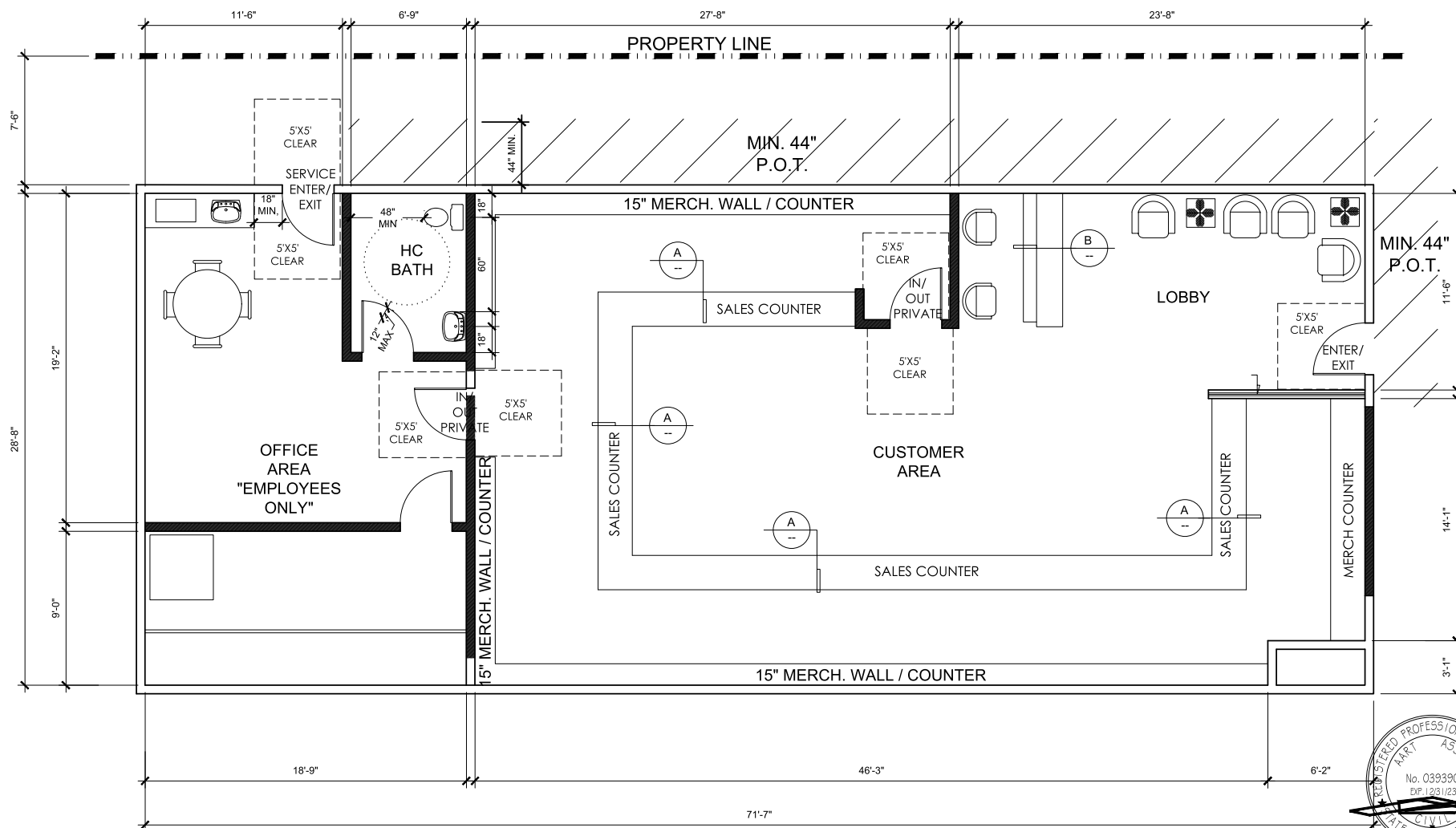
- EXISTING WALL
- WALL TO BE REMOVED
- NEW WALL

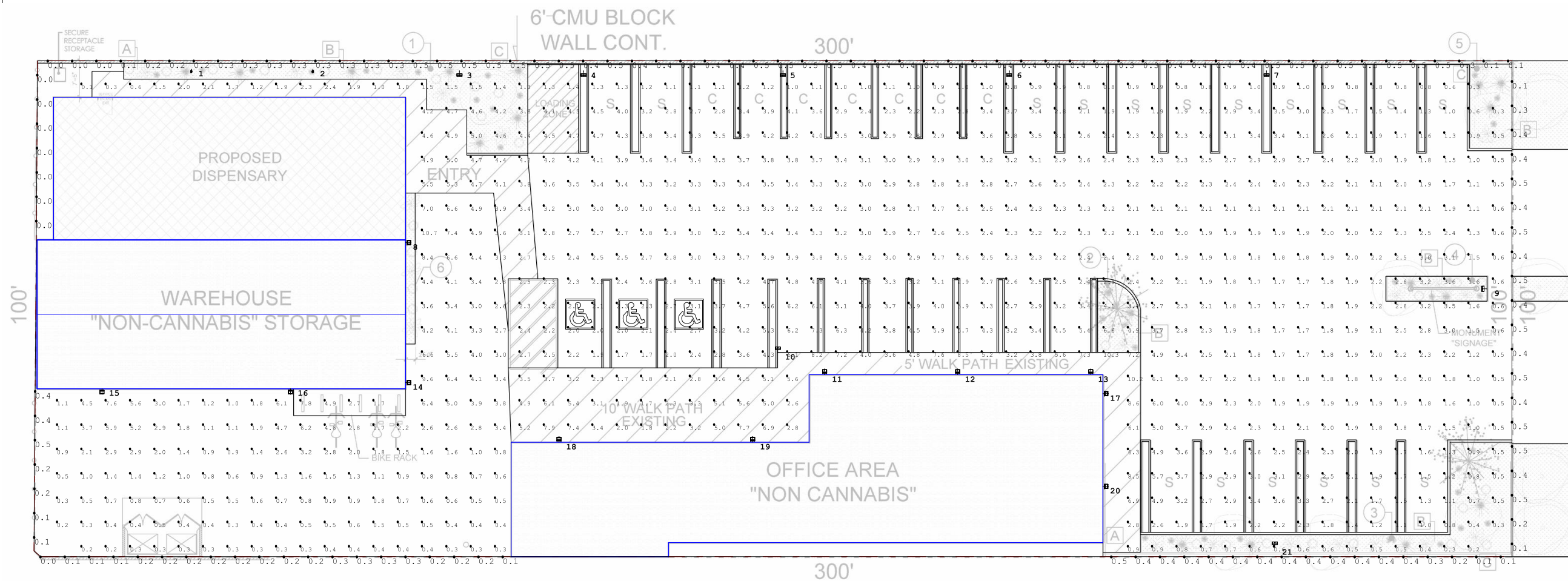


SECTION 'B'



SECTION 'A'





Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Lamp Lumens	LLF
11		WMX-SM-15W-30W-120V (30W)	SINGLE	30	4200	1.000
8		LFX-LG-50-150W-120V (80W) - 1	SINGLE	80	13400	0.900
2		LF4-12V-12W	SINGLE	12	1260	1.000

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
16th Street Workplane	Illuminance	Fc	2.62	10.7	0.1	26.20
Property Line	Illuminance	Fc	0.32	0.5	0.0	N.A.

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	LF4-12V-12W	53.19	106.46	12	270	55
2	LF4-12V-12W	78.17	106.46	12	270	55
3	LFX-LG-50-150W-120V (80W) - 1	108.3	106.12	20.5	270	75
4	LFX-LG-50-150W-120V (80W) - 1	133.79	106.12	20.5	270	75
5	LFX-LG-50-150W-120V (80W) - 1	174.74	106.12	20.5	270	75
6	LFX-LG-50-150W-120V (80W) - 1	221.27	106.12	20.5	270	75
7	LFX-LG-50-150W-120V (80W) - 1	274.11	106.12	20.5	270	75
8	WMX-SM-15W-30W-120V (30W)	97.2	70.85	12	0	0
9	LFX-LG-50-150W-120V (80W) - 1	319.4	61.35	20.5	180	75
10	LFX-LG-50-150W-120V (80W) - 1	173.69	48.27	20.5	90	75
11	WMX-SM-15W-30W-120V (30W)	183.32	43.69	12	90	0
12	WMX-SM-15W-30W-120V (30W)	210.66	43.69	12	90	0
13	WMX-SM-15W-30W-120V (30W)	238	43.69	12	90	0
14	WMX-SM-15W-30W-120V (30W)	97.2	42.07	12	0	0
15	WMX-SM-15W-30W-120V (30W)	34.84	40.82	12	270	0
16	WMX-SM-15W-30W-120V (30W)	73.56	40.82	12	270	0
17	WMX-SM-15W-30W-120V (30W)	240.46	39.81	12	0	0
18	WMX-SM-15W-30W-120V (30W)	128.74	29.8	12	90	0
19	WMX-SM-15W-30W-120V (30W)	168.54	29.8	12	90	0
20	WMX-SM-15W-30W-120V (30W)	240.46	20.76	12	0	0
21	LFX-LG-50-150W-120V (80W) - 1	275.8	8.21	20.5	90	75

NOTES:

Luminaire Schedule - Summarizes specified luminaire types.

Calculation Summary - Summarizes calculation point metrics and Statistical Areas summaries along with their corresponding numerical analysis criteria.

Luminaire Location Summary - Summarizes specified luminaire locations. Arrangements and Groups are listed as single entities with the Arrangement/Group Insertion Point as the location. For pole-mounted luminaires, X & Y refer to the pole location. Z is the height.

ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT GRADE

 PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS
 IS BASED ON ESTABLISHED IES PROCEDURES AND PUBLISHED
 LAMP RATINGS. FIELD PERFORMANCE WILL DEPEND ON ACTUAL
 LAMP, BALLAST, ELECTRICAL, AND SITE CHARACTERISTICS.

Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.



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AGI2 VERSION 2.31
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 10440 BRADFORD ROAD - UNIT A
 LITTLETON, CO 80127

PROJECT NAME
20319 | 16th Street

SHEET
1 OF 13

DATE
Date: 8/19/2022

