

**WILTON PLANNING AND
ZONING COMMISSION**

**ARCHITECTURAL REVIEW BOARD/VILLAGE
DISTRICT DESIGN ADVISORY COMMITTEE APPLICATION**

Efficient Lighting Maintenance
APPLICANT'S NAME

41-5A Del Mar Dr., Brookfield, CT 06804
ADDRESS

MCL Piersall, LLC
OWNER'S NAME

188 Old Ridgefield Rd, Box 49, Wilton, CT 06897
ADDRESS

44 Old Ridgefield Rd Wilton, CT 06897
PROPERTY LOCATION

WC
ZONING DISTRICT

WLR	VOLUME	PAGE	TAX MAP #	LOT #	ACREAGE
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THE FOLLOWING MATERIALS ARE REQUIRED:

* Please see **SPECIAL INSTRUCTIONS FOR SUBMISSION DURING COVID** at:
[Application Forms / Materials | Wilton CT](#)

* All submitted plans and documents shall bear an **original signature, seal, and license number** of the professional responsible for preparing each item. Maps should be **folded, not rolled** – 11" x 17" Plan Copies

**ELECTRONIC SUBMISSION OF ALL APPLICATION MATERIALS (CONSOLIDATED INTO
1 OR 2 PDFs MAXIMUM), emailed to: michael.wrinn@wiltonct.org & daphne.white@wiltonct.org**

- i. An application form;
- ii. A statement describing the proposed project (use page 2 or attach separate sheet);
- iii. The following plans, where applicable, based on the nature of the proposed project:

- ☐ 1. An A-2 survey for any proposal involving the physical enlargement of a building, structure, parking area and/or vehicle access aisle.
- ☐ 2. A site plan drawn at a scale of no greater than 1" = 60', incorporating an A-2 survey (where required), of the property sufficient to show the location of:

- a. wetlands, upland buffers, watercourse and flood zones, if any;
- b. existing and/or proposed buildings and appurtenances thereof;
- c. existing and/or proposed parking accommodations;
- d. existing and/or proposed lighting
- e. existing and proposed buffer strips and landscaping;
- f. access and egress details for pedestrian and vehicular traffic;
- g. existing and/or proposed signs, and
- h. adjacent roads, curb cuts, and width of rights-of-way and travel way.
- i. easements, regulatory setbacks, historic covenants or other historic assets.

- ☐ 3. Floor plans at each level showing the basic divisions of the building, all entrances, exits and loading and service areas.
- ☐ 4. A description of the architectural vernacular of proposed construction and its architectural relationship to other buildings within 500 feet.
- ☐ 5. Elevation drawings of all sides of the building, with dimensions, finish materials, fixtures, lighting, signage, landscape and colors indicated.

- ☐ 6. Samples of all finish materials to be used on the exterior of the building.
- ☐ 7. A roof plan showing all mechanical equipment, vents, hatches, skylights, solar arrays, wind turbines, green roofing etc., and the type and extent of screening to be provided.
- ☐ 8. A signage plan with a scaled drawing showing the design of any proposed signage, including dimensions (length, width, height), a drawing of sign design and content, colors of sign, materials for construction and illumination, together with a site plan showing location of proposed free-standing sign and/or building elevations showing location and proportions of wall signs.

THE APPLICANT understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted and is responsible for the payment of all legal notices incurred.

THE UNDERSIGNED WARRANTS the truth of all statements contained herein and in all supporting documents according to the best of his or her knowledge and belief; and hereby grants visitation and inspection of the subject property as described herein.

APPLICANT'S SIGNATURE

DATE

TELEPHONE

Christopher J. Lavin for MCL Piersall, LLC
OWNER'S SIGNATURE

3-14-2023
DATE

203-834-1168
TELEPHONE

PROJECT NARRATIVE:

WILTON BUILDING
DEPARTMENT

Building Official
Demolition Officer
Tel: 203-563-0177



TOWN HALL ANNEX
238 Danbury Road
Wilton, Connecticut 06897

Fax: 203-563-0284

LETTER OF AUTHORIZATION

To Whom It May Concern:

I hereby declare the following:

1. That I am the owner of the premises described as follows:

44 OLD RIDGEFIELD RD, WILTON, CT 06897 WC
Street City State Zone

2. That Thomas A Phillips (Efficient Lighting Maintenance) is duly authorized for and on behalf of the owner to execute an application for building, zoning, health and wetlands permits to enable him/her to obtain permits to complete construction of the following work: EXTERIOR LIGHTING, WELLS FARGO BRANCH

at the above site.

3. That Thomas A Phillips (Efficient Lighting Maintenance) is hereby designated as the owner's representative with whom all town departments may deal with in respect to the work involved.

4. That this authorization also includes any and all electrical, plumbing, heating, and HVAC contractors doing work in conjunction with the above noted activity to obtain the appropriate sub permits.

Date: 2/7/2023

Owner: MCL Persall, LLC
Print Name
BY CHRISTOPHER SLAVIN

[Signature]
Signature

...minimizes cost of ownership with easy installation, high performance and quality backed by a Cree 5-year limited warranty. The Noctura Series has a coordinated style across area, flood and wall mount luminaires to provide a consistent daytime appearance across a building site or campus. Versatile mounting configurations offer installation flexibility and ease of application for ground, direct pole, tenon or vertical flat surface mounting.

Applications: Ideal for both retrofit and new installation; accent, sign or facade lighting applications.

Performance Summary

Lumen Output: Up to 28,400 lumens

Efficacy: Up to 158 LPW

CRI: Minimum 70 CRI

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 5 years on luminaire

* See <http://lighting.cree.com/warranty> for warranty terms.

Accessories

Field-Installed

Top Visor

NTF-TV-1L-BZ

- For use with 1L only

NTF-TV-3L-BZ

- For use with 3L only

NTF-TV-6L-BZ

- For use with 6L only

NTF-TV-10L-BZ

- For use with 10L only

NTF-TV-14L-BZ

- For use with 14L only

NTF-TV-21L-BZ

- For use with 21L only

NTF-TV-28L-BZ

- For use with 28L only

Cable

NTX-QC-5

- 5' (1.5m) cable replacement

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately.

Example: Mount: NTX-AA-BZ • Luminaire: NTF-A-NM-N4-21L-40K-UL-BZ

Mount (Luminaire must be ordered separately)*

Knuckle Mount

NTF-KN-BZ

- Knuckle Mount

- For use with 1L, 3L, 6L, 10L only

Yoke Mounts

NTF-YM-1L-BZ

- Yoke Mount

- For use with 1L only

NTF-YM-3L-BZ

- Yoke Mount

- For use with 3L only

NTF-YM-6L-BZ

- Yoke Mount

- For use with 6L only

NTF-YM-10L-BZ

- Yoke Mount

- For use with 10L only

Note: Photocell or occupancy cap by others

Adjustable Arm Mounts

NTX-AA-BZ

- Adjustable Arm Mount w/knockout for Field-Installed Burton Photocell (by others)

NTX-AA-3R-BZ

- Adjustable Arm Mount w/NEMA® 3-Pin Photocell Receptacle

NTX-3R-BZ

- Extended Arm Mount

- Includes a NEMA® 3-Pin Photocell Receptacle and a knockout for an Occupancy Sensor

Trunnion Mounts

NTX-TR-BZ

- Trunnion Mount

NTX-TR-3R-BZ

- Trunnion Mount w/NEMA® 3-Pin Photocell Receptacle

NTX-TR-PK-BZ

- Trunnion Mount w/knockout for Field-Installed Burton Photocell (by others)

NTX-3R-BZ

- Extended Arm Mount

- Includes a NEMA® 3-Pin Photocell Receptacle and a knockout for an Occupancy Sensor

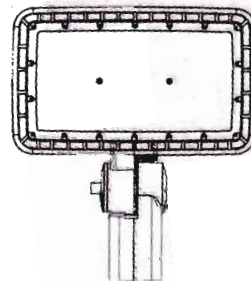
21L
Adjustable
Arm Mount
(NTX-AA-BZ)



"A"

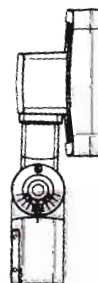
"C"

"B"



"D"

"E"



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"	Dim "E"
14L*	10.5 lbs (4.8kg)	13.39" (340mm)	15.78" (401mm)	7.48" (190mm)	5.09" (129mm)	2.32" (59mm)
21L*	13.5 lbs (6.1kg)	14.37" (365mm)	15.48" (393mm)	8.86" (225mm)	5.09" (129mm)	2.25" (57mm)
28L*	17.2 lbs (7.8kg)	13.39" (340mm)	22.83" (580mm)	14.7" (373mm)	6.97" (177mm)	2.43" (62mm)

See page 5 for additional line drawings

* Includes housing & mount. For housing weight only refer to page 21

Ordering Information

Example: NTF-A-NM-N4-1L-40K-UL-BZ

Luminaire (Mount must be ordered separately)

NTF	A	NM					BZ	
Product	Version	Mounting	Optic	Lumen Package**		CCT	Voltage	Color
NTF	A	NM No Mount	N3*	Small	Large	30K***	UL Universal 120-277V	BZ Size
			NEMA 3x3	1L	16L	3000K		
			N4	1,600 lumens	10,000 lumens	40K		
			NEMA 4x4	- Not available in 347-480V	14L	4000K		
			N5*	3L	14,000 lumens	50K		
			NEMA 6x5	3,000 lumens	21L	5000K		
			N6	- Not available in 347-480V	21,500 lumens	57K***		
			NEMA 6x6	6L	28L	5700K		
			6,500 lumens	28,400 lumens				

* N3K available with initial product launch. Consult factory for availability

** See mount descriptions for applicable mounts. Lumen Package codes identify approximate light output only. Actual lumen output varies may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

*** Limited availability, consult factory



Rev. Date: Y1 R6 03/08/2019

lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada



T (800) 473-1234 F (800) 890-7507

NTF-TV-28L-BZ

 Share

Top Visor for use with 28L Lumen Package

Shield



Product Specifications

CONSTRUCTION & MATERIALS

- Luminaire housing is rugged die cast aluminum with integral LED driver compartment is specifically designed for LED applications with advanced LED thermal management
- Housing and mounting accessories finished in polyester powder coat paint, 2.5 mil nominal thickness
- Mounting options (for 1L, 3L, 6L, 10L) include:
 - Yoke Mount is heavy gauge steel construction and mounts to flat surfaces
 - Yoke mount includes 18" (340mm) prewired 50W cord exiting the housing
 - Mounting for the knuckle adaptor is rugged die cast aluminum and mounts to 1/2" (12.7mm) NPT, junction box cover (supplied by others)
 - Knuckle mount includes tooth lock aiming that can be adjusted 180° in 5° increments
- Mounting options for (14L, 21L and 28L) include:
 - Adjustable arm and adjustable arm w/NEMA 3-Pin photocell receptacle, trunnion mount, trunnion mount w/NEMA 3-Pin photocell receptacle and trunnion mount w/ knockout provision for field-installed button type photocell (by others)
 - Extension arm accessory for adjustable arm and trunnion mounts provides both a NEMA 3-Pin photocell receptacle and a knockout provision for a field-installed occupancy sensor (by others)
 - Photocell or shorting cap by others. Intended for downlight applications with maximum 45° tilt
 - Adjustable arm mount is constructed of rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenons. It includes tooth lock aiming that can be adjusted from 0° (horizontal) to 180° in 5° increments
 - Trunnion mount features rugged steel construction, mounts to vertical flat surfaces.
- Housing Weight: 1L-2.6 lbs. (1.2kg), 3L-2.9 lbs. (1.3kg), 6L-3.2 lbs. (1.4kg), 10L-6.3 lbs. (2.9kg), 14L-7.0 lbs. (3.2kg), 21L-9.7 lbs. (4.4kg), 28L-13.4 lbs. (6.1kg)

OPTICS

- Mid-power LED array Floodlight optics are available in: spot (NEMA 3x3), medium flood (NEMA 4x4), medium-wide flood (NEMA 5x5) and wide flood (NEMA 6x6) for 3000K, 4000K, 5000K and 5700K CCTs with a minimum of 70 CRI. Efficacies up to 158 LPW for minimal energy consumption. Top cutoff visors are available for light trespass and glare

ELECTRICAL SYSTEM

- Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Integral 10kV surge suppression protection standard
- Designed with 0-10V dimming capabilities. Controls by other. Dimming only available on 14L, 21L and 28L
- Refer to Dimming spec sheet for details
- 10V Source Current: 0.20 mA
- Operating Temperature Range: -30°C - +40°C (-22°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- RoHS compliant. Consult factory for additional details
- Certified to ANSI C136.31-2001, 1.5G vibration standards
- CA RESIDENTS WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov

Electrical Data*

Lumen Package	System Watts 120-277V	System Watts 347-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
1L	12	N/A	0.12	0.07	0.06	0.05	N/A	N/A
3L	21	N/A	0.21	0.12	0.11	0.09	N/A	N/A
6L	40	40	0.4	0.23	0.20	0.17	0.14	0.19
10L	64	64	0.64	0.37	0.32	0.28	0.22	0.16
14L	93	93	0.93	0.54	0.47	0.40	0.32	0.23
21L	140	140	1.40	0.8	0.7	0.61	0.49	0.35
28L	196	196	1.96	1.07	0.93	0.81	0.64	0.47

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%

Noctura Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Projected² LMF	50K hr Projected² LMF	75K hr Calculated³ LMF	100K hr Calculated³ LMF
5°C (41°F)	1.04	0.98	0.92	0.87	0.82
10°C (50°F)	1.03	0.97	0.91	0.86	0.81
15°C (59°F)	1.02	0.96	0.91	0.85	0.80
20°C (68°F)	1.01	0.95	0.90	0.84	0.79
25°C (77°F)	1.00	0.94	0.89	0.83	0.79

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and on-site luminaire testing. Luminaire ambient temperature factors (LAFs) have been applied to all lumen maintenance factors. Please refer to the data sheet for outdoor average nighttime ambient conditions.

² In accordance with IESNA TM-21-11, Projected Values represent interpolated values based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT), i.e. the packaged LED chip.

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT), i.e. the packaged LED chip.

C-WP-B-RDC Series

Cutoff LED Wall Pack

Replaces up to 400W PSMH

C-LITE
LED LIGHTING

OFF THE WALL SAVINGS

Our cULus listed C-Lite Cutoff LED Wall Pack delivers up to 21,100 lumens and is available in 4000K and 5000K. It's dimmable, for maximum energy savings, and comes with a 5-year limited warranty. It also comes with a DLC Premium 5.1 Listing.



PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: 1500 - 21,000 Lumens
- CRI: ≥ 70
- CCT: 4000K, 5000K
- Mounting height: 12 - 25 feet
- Input Power: 12W/22W/47W/77W/144W
- Dimmable: Yes, 0-10V
- Operating Temperature Range: -40°F to 104°F (-40°C to 40°C)
- Estimated L70 Lifetime @ 25°C: > 100,000 hours
- Power Factor: > 0.9
- Total Harmonic Distortion: < 20%
- Limited Warranty: 5 Years*
- Replaces up to 400 PSMH

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
<ul style="list-style-type: none">• Replaces up to 400W PSMH• 4kV Surge suppression• Contractor friendly install	<ul style="list-style-type: none">• Security• Perimeter• Commercial	<ul style="list-style-type: none">• Universal (120V through 277V Operation)

ORDERING INFORMATION

Example: C-WP-B-RDC-1L-40K-DB

C-WP	B	RDC				DB
PRODUCT	SERIES	TYPE	LUMEN PACKAGE		CCT	COLOR
C-WP	B	RDC Round Cutoff	1L 1500L 12W	10L 10,600L 77W	40K 4000K (Neutral White)	DB Dark Bronze
			3L 3000L (4000K), 3100L (5000K) 22W	20L 20,900L (4000K), 21,100L (5000K) 144W	50K 5000K (Cool White)	
			6L 6200L (4000K), 6300L (5000K) 47W			

CERTIFICATIONS



C-WP-B-RDC Series

FIXTURE SPECIFICATIONS

HOUSING	Heavy duty die-cast aluminum with a durable powder coat dark bronze finish
LENS ASSEMBLY	Integrated UV stabilized polycarbonate lens, designed to control the light and offer the most efficiency on the product
MOUNTING	1/2-inch threaded knockouts provided for conduit entry or mount over a recessed j-box. Knockouts are located on both sides and the top of the back box

ELECTRICAL PERFORMANCE


OPERATING TEMPERATURE RANGE	ESTIMATED L70 LIFETIME @ 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION
-40°F to 104°F (-40°C to 40°C)	>100,000 Hours	> 0.9	< 20%

SKU	LUMEN OUTPUT	BUG RATINGS*	SYSTEM WATTS	CURRENT DRAW (AMPS)			
				120V	208V	240V	277V
C-WP-B-RDC-20L-50K-DB	21,100	B4-U3-G4	144W	1.8	1.3	1	0.8
C-WP-B-RDC-20L-40K-DB	20,900	B4-U3-G3					
C-WP-B-RDC-10L-50K-DB	10,600	B3-U2-G3	77W	0.9	0.6	0.5	0.35
C-WP-B-RDC-10L-40K-DB		B3-U3-G3					
C-WP-B-RDC-6L-50K-DB	6300	B2-U2-G2	47W	0.8	0.5	0.4	0.25
C-WP-B-RDC-6L-40K-DB	6200	B2-U2-G1					
C-WP-B-RDC-3L-50K-DB	3100	B1-U2-G1	22W	0.25	0.18	0.16	0.15
C-WP-B-RDC-3L-40K-DB	3000	B1-U2-G1					
C-WP-B-RDC-1L-50K-DB	1500	B1-U2-G1	12W	0.2	0.12	0.11	0.1
C-WP-B-RDC-1L-40K-DB		B1-U2-G1					

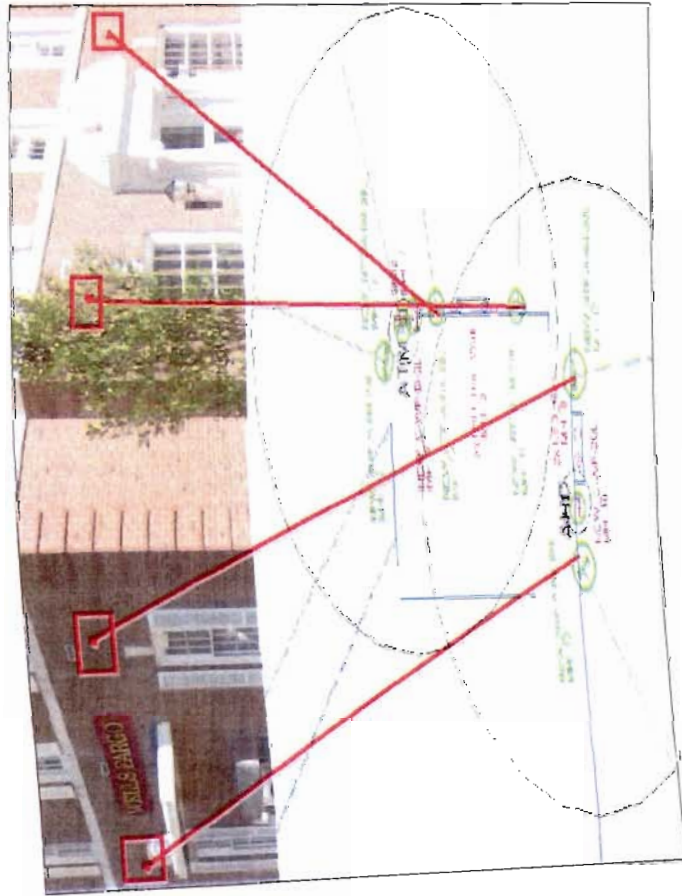
WARRANTY AND CERTIFICATIONS

WARRANTY	eULus LISTED	DLC	DIMMABLE
5 Year Limited*	Wet Locations	Premium 5.1	Yes. 0-10V Dimmable

ACCESSORIES

	UNIVERSAL BUTTON PHOTOCELL (120V-277V)
	SKU: JL-423CZ USE: Photocell is field installed and drilling of the back box is required.





MOUNTING HARDWARE ACCESSORIES

QTY	Description	CAT Logic	Finish				
-	OSQ-Direct Arm Mount	OSQ-DA	SVHVL (Silver)	BKHVL (Black)	BZHVL (Bronze)	GRHVL	WHHVL (White)
-	OSQ-Adjustable Arm Mount	OSQ-AA					
-	Single Side Mount Bracket	SQ-SP-D					
-	Spring-Mount Ceiling Cover Plate	CP9000					
-	NTF-Knuckle Mount	NTF-KN-BZ					
-	Tenon Square - 4 at 90 deg	PB-4A4					
-	Single Round Tenon Reducer	79918					
-	Tenon Round - 2 at 180 deg.	79918 & 79952					
-	Tenon Round - 3 at 180 deg.	79918 & 79954					
-	NTF-Trunnion Mount	NTX-TR-BZ	SV	BK	BZ	GR	WH
2	PSG Beauty plate	OG15X9					
6	Wall Mount Bracket	WM-SP-D					
-	Vertical Tenon Mount Bracket	SP-TR-D					
-	OSQ HO-Direct Arm Mount	OSQ-HO-DA-BZ					
-	OSQ HO-Adjustable Arm Mount	OSQ-HO-AABZ					
-	Goof Ring-8"	GRRC8RPTWT					
-	Goof Ring-10"	GRRC10RPTWT					
-	Goof Ring-12"	GRRC13RPTWT					
-	Goof Ring-6"	GRRC6RPTWT					
-	2 X 2 Surface Mount	C-ACC-PSMK22					
6	NTF-Adjustable Arm Mount	NTX-AA-BZ					
-	Single Square tenon Reducer 4" Pole	79915					
-	Single Square tenon Reducer 5" Pole	79916					
-	Twin Square tenon Reducer	79944A					
-	Triple Square tenon Reducer	79945A					

CAT #	Voltage
0	120V-277V
1	120V
2	208V
4	277V
5	480V
H	347-480V

INCANDESCENT PAR T8 and T12 Standard Output LED Solutions		
Qty	Existing Fixture	Solution
2	2 - 4' T8 Lamp	(2) LED180T8-G4040
-	A19	LED60A19-G40
-	PAR 38	LED180D38OW384240
-	A19 Enclosed	LED150A21-G40

CAT #	Voltage
0	120V-277V
1	120V
2	208V
4	277V
5	480V
H	347-480V

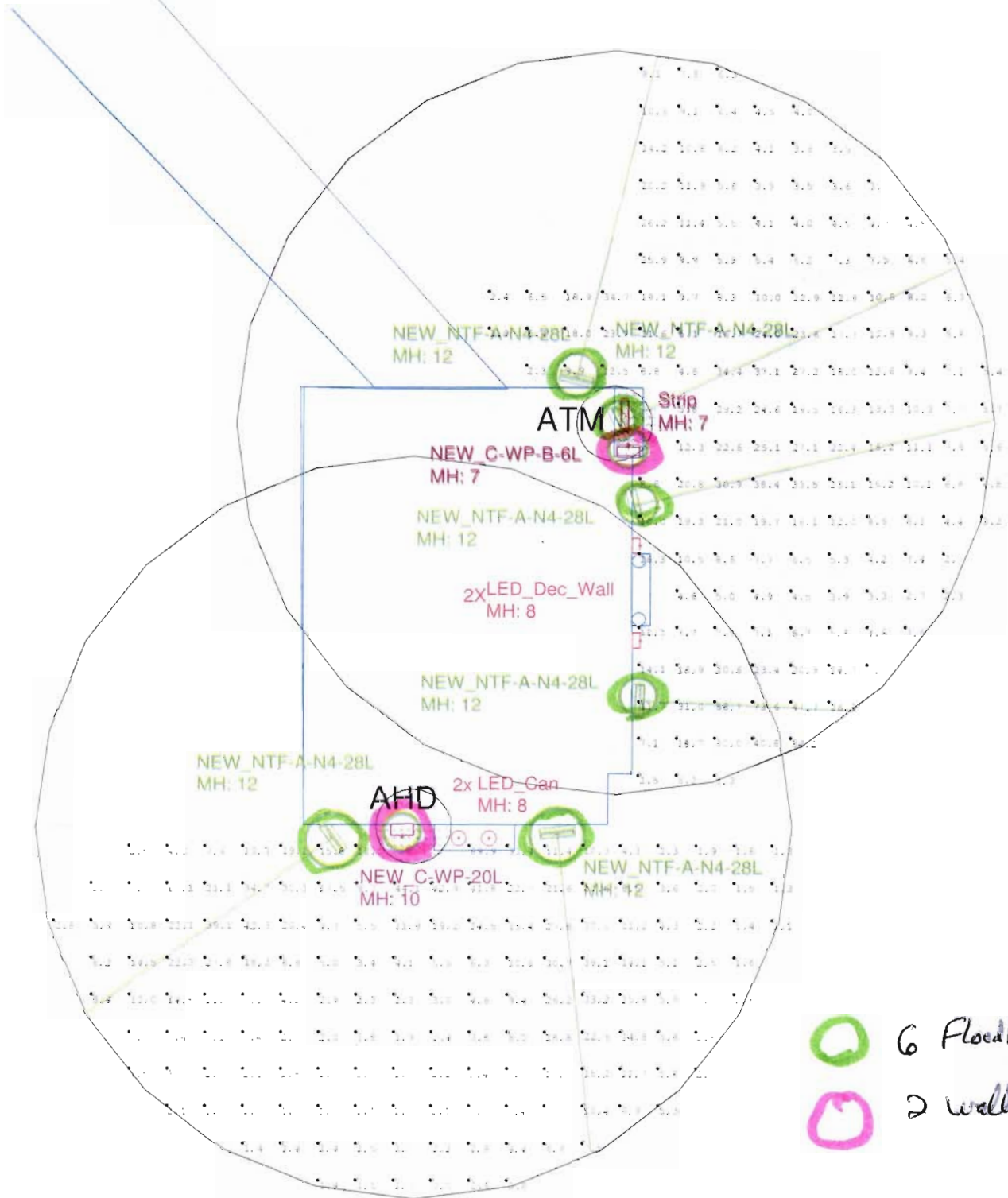
INCANDESCENT PAR T8 and T12 Standard Output LED Solutions		
Qty	Existing Fixture	Solution
2	2 - 4' T8 Lamp	120 LED150DT8/G40
-	A19	LED60A19/B40
-	PAR 38	LED16038OW38A202
-	A19 Enclosed	LED150A21/B40

Wells Fargo Exterior Lighting Spec V1			
Exterior ATM / Night Depositories		Spec - R	Spec - NR
ATM *Minimum FC levels	5' circle	10 fc	10 fc
	50' circle	2 fc	1 fc
	WF Parking areas within 60'	2 fc	1 fc
	If within 10' of a corner:	40' unobstructed along wall (For 50' calc)	2 fc
Night Depositories *Minimum FC levels	5' circle	10 fc	10 fc
	50' circle	2 fc	1 fc
	WF Parking areas within 60'	2 fc	1 fc
	If within 10' of a corner:	40' unobstructed along wall (For 50' Calc)	2 fc
Vestibule Door with ATM *Minimum FC levels	5' circle	10 fc	10 fc
	50' circle	2 fc	1 fc
	WF Parking areas within 60'	2 fc	1 fc
	If within 10' of a corner:	40' unobstructed along wall (For 50' Calc)	2 fc
Inside the vestibule doors with ATM/ND *Minimum FC levels		All over the Vestibule	10 fc
All footcandle specs are minimum point values U.O.N. All calculation points taken at 3' above finished grade All the exterior fixtures are of 4000K. Regulated States: California, District of Columbia, Florida, Georgia, Illinois, Kansas, Louisiana, Maryland, Nevada, New Jersey, New York, Oregon, Texas, Washington			

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Mount Type
AH2_5'	Illuminance	Fc	88.45	86.5	53.2	1.29	1.63	Horizontal
AH2_50'	Illuminance	Fc	10.08	66.19	1.1	9.16	63.55	Horizontal
ATM_5'	Illuminance	Fc	62.65	110.8	2.0	2.85	5.04	Horizontal
ATM_50'	Illuminance	Fc	12.97	73.6	1.9	6.83	38.74	Horizontal



3_NON-WF-POLE
MH: 20



NON-WF-Pole
MH: 25





(6) → Flood lights
 wall packs



03/02/2023 Wells Fargo - Wilton

