

01

ELECTRICAL SITE LIGHTING PLAN

SCALE: 1" = 30'-0"

DESIGN CODES
IECC, 2018 NEC, 2017

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LUMINAIRE SCHEDULE				
1. PROVIDE 90 MINUTE EMERGENCY BATTERY BACK-UP FOR ALL EMERGENCY FIXTURES. SEE SCHEDULE BELOW FOR SPECIFICATIONS AND LUMEN REQUIREMENTS.				
2. MODULAR WIRING SYSTEM FOR LIGHT FIXTURES IS AN ACCEPTABLE ALTERNATE.				
3. BASE BID FOR LUMINAIRES SHALL BE BASED ON MANUFACTURERS LISTED IN CONTRACT DOCUMENTS. UPON AWARD OF PROJECT, ALTERNATES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED WITH WRITTEN OWNER APPROVAL & AN ITEMIZED DEDUCT TO BASE BID.				
4. ALTERNATE FIXTURE SELECTIONS MAY REQUIRE ADDITIONAL TIME FOR SUBMITTAL REVIEW & POSSIBLE ENGINEERING DESIGN CHANGES TO BE BILLED TO THE CONTRACTOR.				
5. PROVIDE MINIMUM 10 MINUTE TIME DELAY ON EMERGENCY FIXTURES WHEN HID AREA LIGHTING IS USED.				
MARK	MANUFACTURER MODEL NUMBER	VOLTS	LAMPS CRI/CCT INPUT WATTS	REMARKS/MOUNTING
SA	HUBBELL LIGHTING VP-S-48L -110-3K7-4	MVOLT	LED - 216W	DUAL HEAD POLE FIXTURE MOUNTED AT 15'
SB	HUBBELL LIGHTING VP-S-48L -110-3K7-4W	MVOLT	LED - 107W	SINGLE HEAD POLE FIXTURE MOUNTED AT 15'
SW	HUBBELL OUTDOOR TRP1-12L15-3K7-3	MVOLT	LED - 14W	WALL PACK FIXTURE MOUNTED AT 15'
G	BEACON PRODUCTS SRT1-55-4K7-5QW	MVOLT	LED - 55W	12" GARAGE DOWNLIGHT FIXTURE MOUNTED AT 20'

POLE MOUNTED FIXTURE DETAIL

FIXTURE TYPE 'SB'

THE POLE CONCRETE BASE DETAIL IS SHOWN FOR ELECTRICAL ROUGH-IN AND SHALL NOT BE USED FOR THE ACTUAL BASE CONSTRUCTION. POLE BASE SHALL BE DESIGNED BY A REGISTERED STRUCTURAL PROFESSIONAL ENGINEER AND CONSTRUCTED PER STRUCTURAL ENGINEERS SEALED CONSTRUCTION DOCUMENT.

NOTE: ELECTRICAL CONTRACTOR SHALL BOND METAL POLE PER NEC 410.30(B)(5) AS SHOWN IN DETAIL.

POLE MOUNTED FIXTURE DETAIL

FIXTURE TYPE 'SA'

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NOTE: ELECTRICAL CONTRACTOR SHALL BOND METAL POLE PER NEC 410.30(B)(5) AS SHOWN IN DETAIL.

PRELIMINARY
NOT FOR CONSTRUCTION

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IF DRAWING IS NOT PLOTTED AT 24 X 36 THEY ARE NOT FULL SIZE

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Date
April 29, 2021

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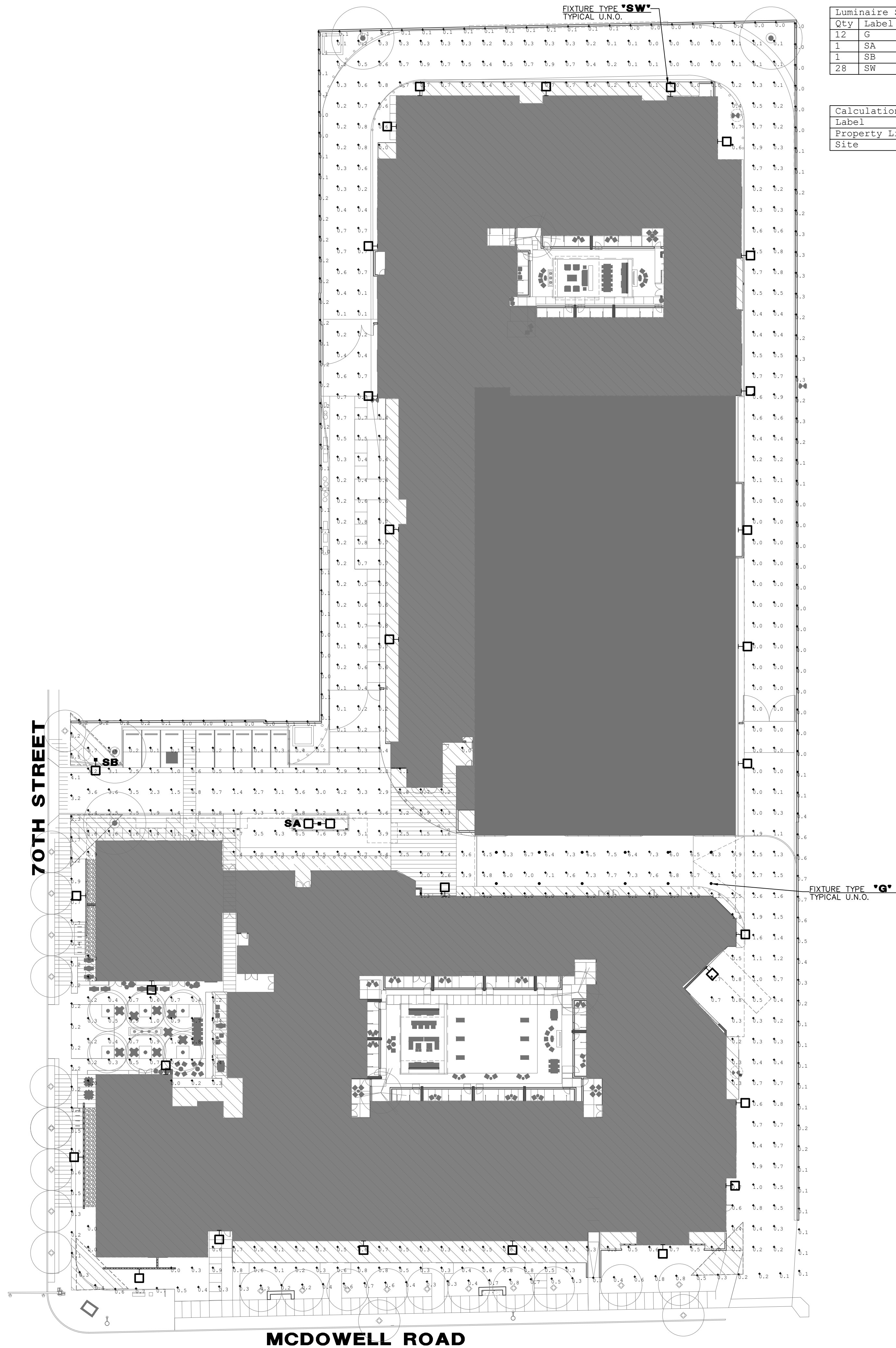
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Project No.
319084

DR-110

ELECTRICAL SITE
LIGHTING PLAN

PRE-APP # 225-PA-2020 ZONING # 5-ZN-2020 DRB #



Luminaire Schedule									
Qty	Label	Symbol	Manufacturer	Description	Mtg Height	LLF	Lumens	Watts	Total Watts
12	G	•	BEACON PRODUCTS	SRT1-55-4K7-5QW	20'	0.900	5698	54.9	658.8
1	SA	□	Hubbell Lighting Inc, dba Beacon Product	VP-S-48L-110-3K7-4	15'	0.900	10800	108	216
1	SB	□	Hubbell Lighting Inc	VP-S-48L-110-3K7-4W	15'	0.900	10544	107.36	107.36
28	SW	□	HUBBELL OUTDOOR LIGHTING	TRP1-12L15-3K7-3	15'	0.900	1477	13.9	389.2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Property Line	illuminance	Fc	0.28	4.1	0.0	N.A.	N.A.
Site	illuminance	Fc	1.26	7.7	0.0	N.A.	N.A.

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PRE-APP # 225-PA-2020 ZONING # 5-ZN-2020 DRB #

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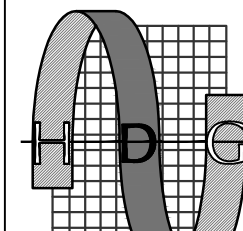
DR-120

ELECTRICAL SITE
PHOTOMETRICS

PRELIMINARY
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DESIGN CODES
IECC, 2018 NEC, 2017

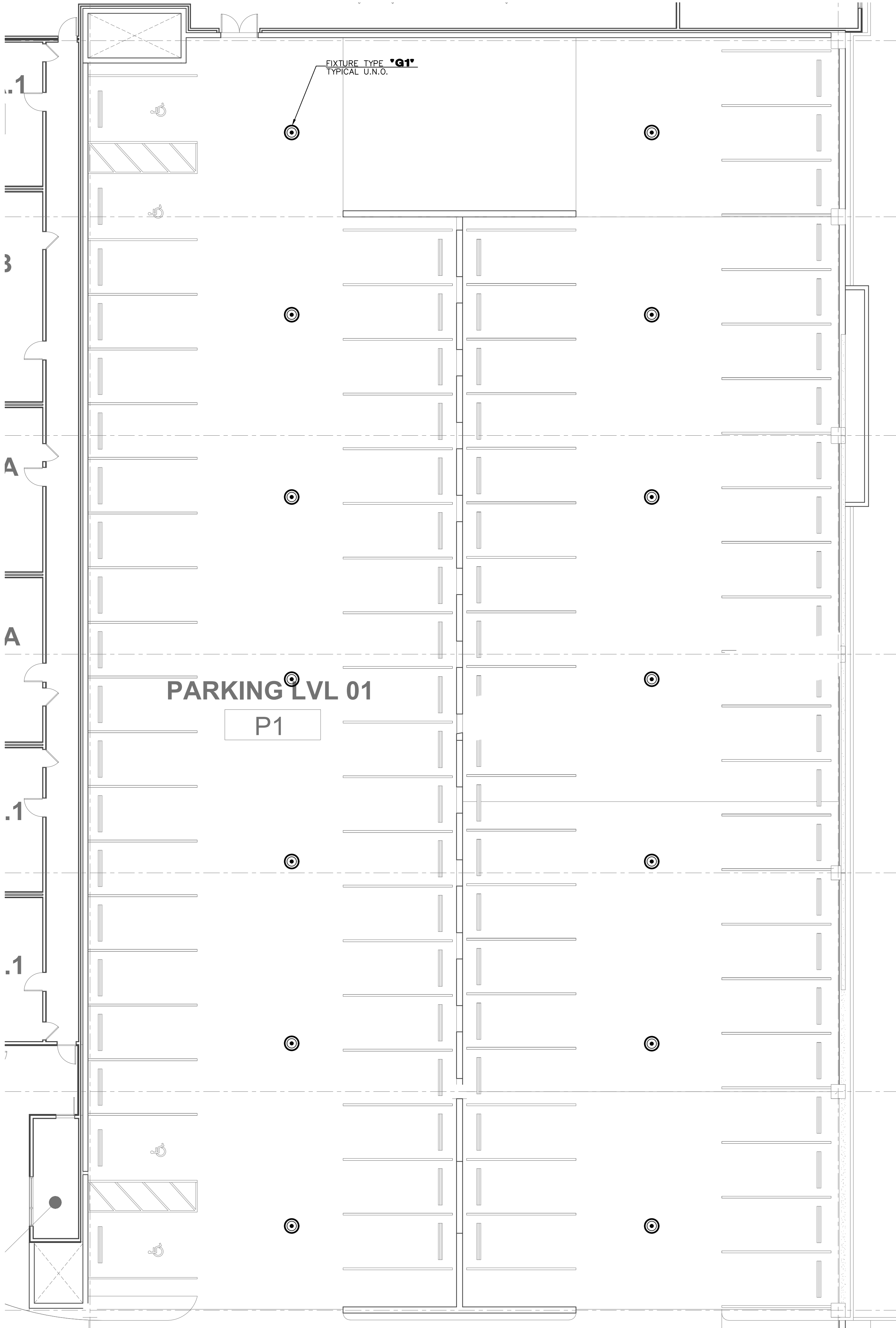
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G1	BEACON PRODUCTS SRT2-85-4K7 -SRW-UNV-GT	MVOLT	LED - 87W	18.5" GARAGE DOWNLIGHT FIXTURE MOUNTED AT 10'

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DR-130

ELECTRICAL GARAGE
LIGHTING PLAN -
GROUND LEVEL

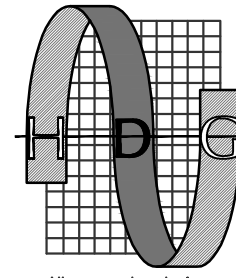
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PRE-APP # 225-PA-2020 ZONING # 5-ZN-2020 DRB #

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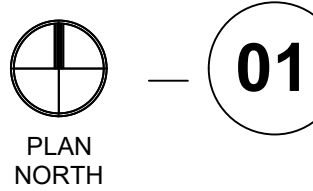
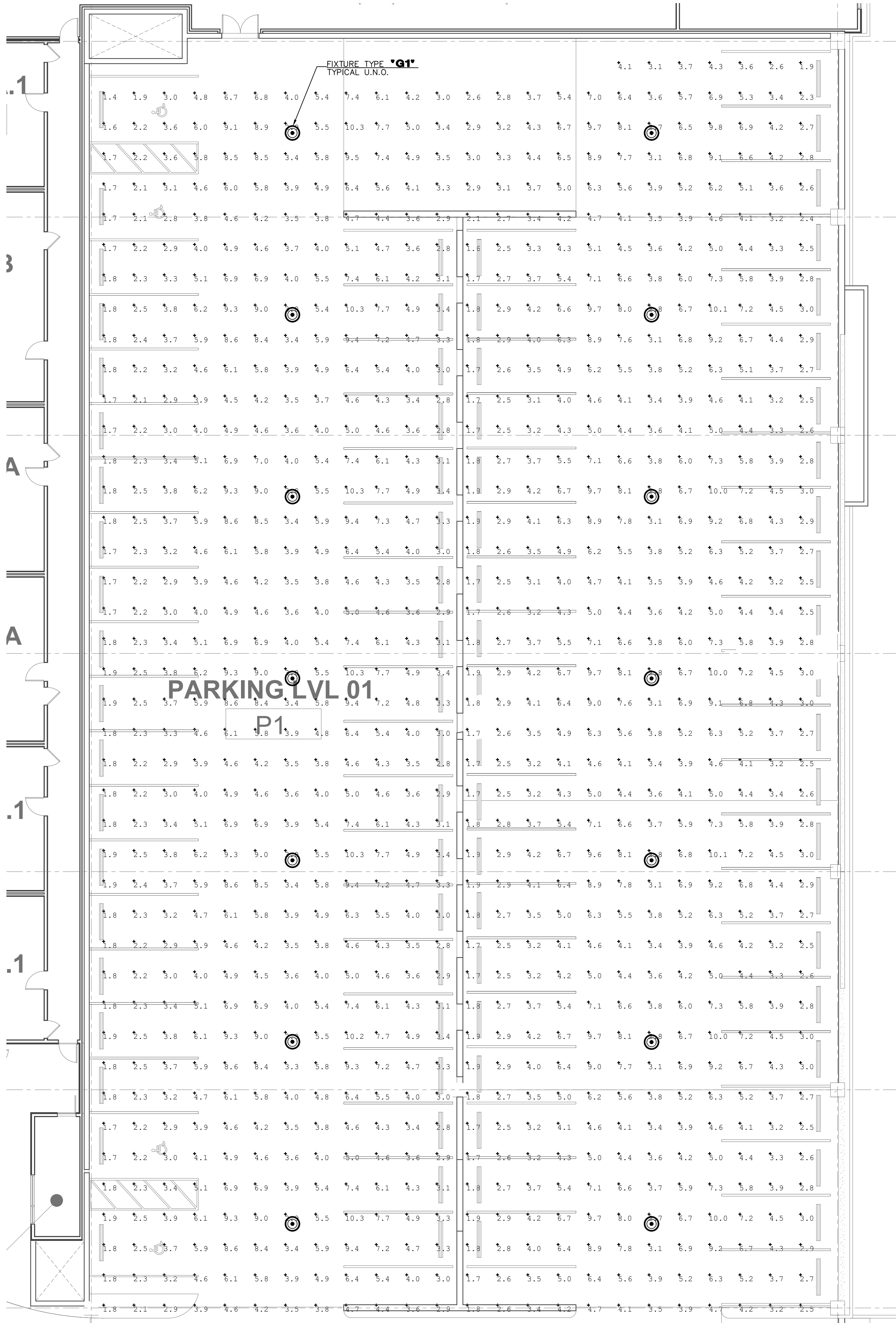
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01 ELECTRICAL GARAGE LIGHTING PLAN - GROUND LEVEL
SCALE: 3/32" = 1'-0"

Luminaire Schedule										
Qty	Label	Symbol	Manufacturer	Description	Mtg Height	LLF	Lumens	Watts	Total Watts	
16	G1		Beacon Products	SRT2-85-4K7-5RW-UNV-GT	10'	0.950	8967	87.2	1395.2	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Level 1_Floor	Illuminance	Fc	4.57	10.3	1.4	3.26	7.36



ELECTRICAL GARAGE PHOTOMETRICS - GROUND LEVEL

SCALE: 3/32" = 1'-0"

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DR-140

ELECTRICAL GARAGE
PHOTOMETRICS -
GROUND LEVEL

