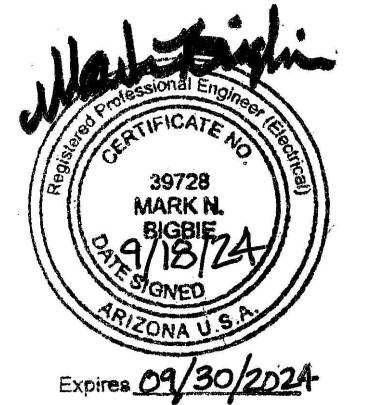


JSE

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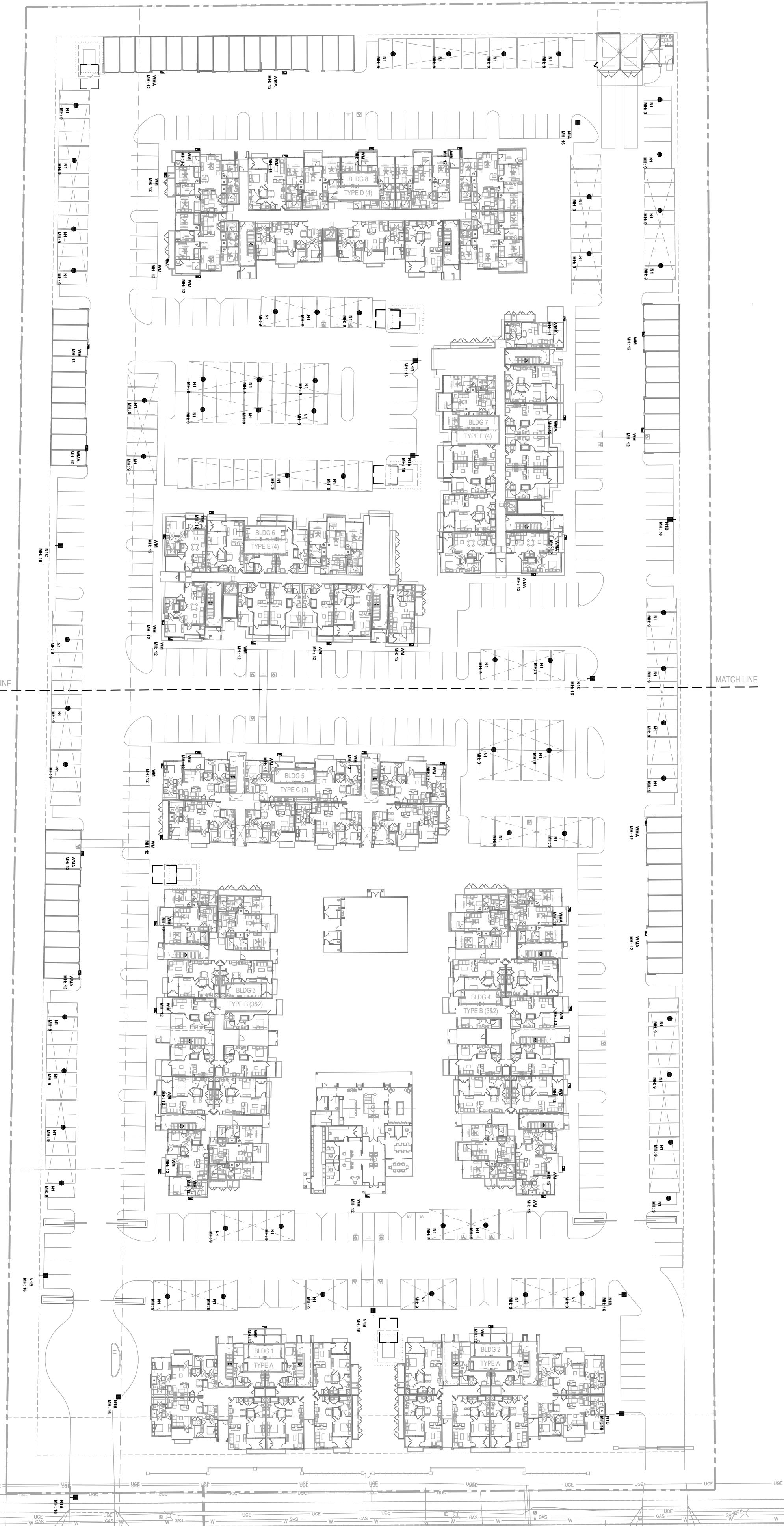
Project Number: 24060530
Drawn By: TD Checked By: TD



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BANNER GATEWAY APARTMENTS

MESA, ARIZONA



BANNER GATEWAY DRIVE

1 PHOTOMETRIC OVERALL PLAN
SCALE: 1" = 50'-0"

GENERAL NOTES:

- ALL LIGHTING DESIGN AND CONTROLS SHALL BE IN COMPLIANCE WITH MESA ARIZONA REQUIREMENT AND LOCALLY ADOPTED CODES.

ELAINE FOCKE
LAI HOUSTON
MESA, AZ
713-805-1525

Luminaire Schedule							
Symbol	Qty	Label	LLF	Arrangement	Description	Lum Watts	MTG HT
●	58	N1	0.950	Single	ORX-1-CM-T5-16L-53-30K7-CM	28	9
■	1	N1A	0.950	Single	NV-1-T5-32L-1-30K-SINGLE	106	16
■	9	N1B	0.950	Single	NV-1-T4-32L-1-30K-SINGLE	106	16
■	2	N1C	0.950	Single	NV-1-T3-32L-1-30K-SINGLE	106	16
■	35	WM	0.950	Single	NV-W-T4-16L-1-30K-WALL	56	12
■	12	WMA	0.950	Single	NV-W-T3-16L-1-30K-WALL	56	12

GATEWAY BANNER - MESA, ARIZONA

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
SITE CALCS	Illuminance	Fc	1.77	11.7	0.0	N.A.
CANOPY	Illuminance	Fc	2.20	3.3	1.7	1.29
PARKING LOT	Illuminance	Fc	2.02	3.2	1.0	2.02
						3.20

PRINT RECORD	DATE	ISSUED FOR
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REVISIONS		
▲	DATE	DESCRIPTION
SHEET TITLE		
PHOTOMETRIC - OVERALL PLAN		
SHEET NUMBER		
E1-01		
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BANNER GATEWAY APARTMENTS

MESA, ARIZONA

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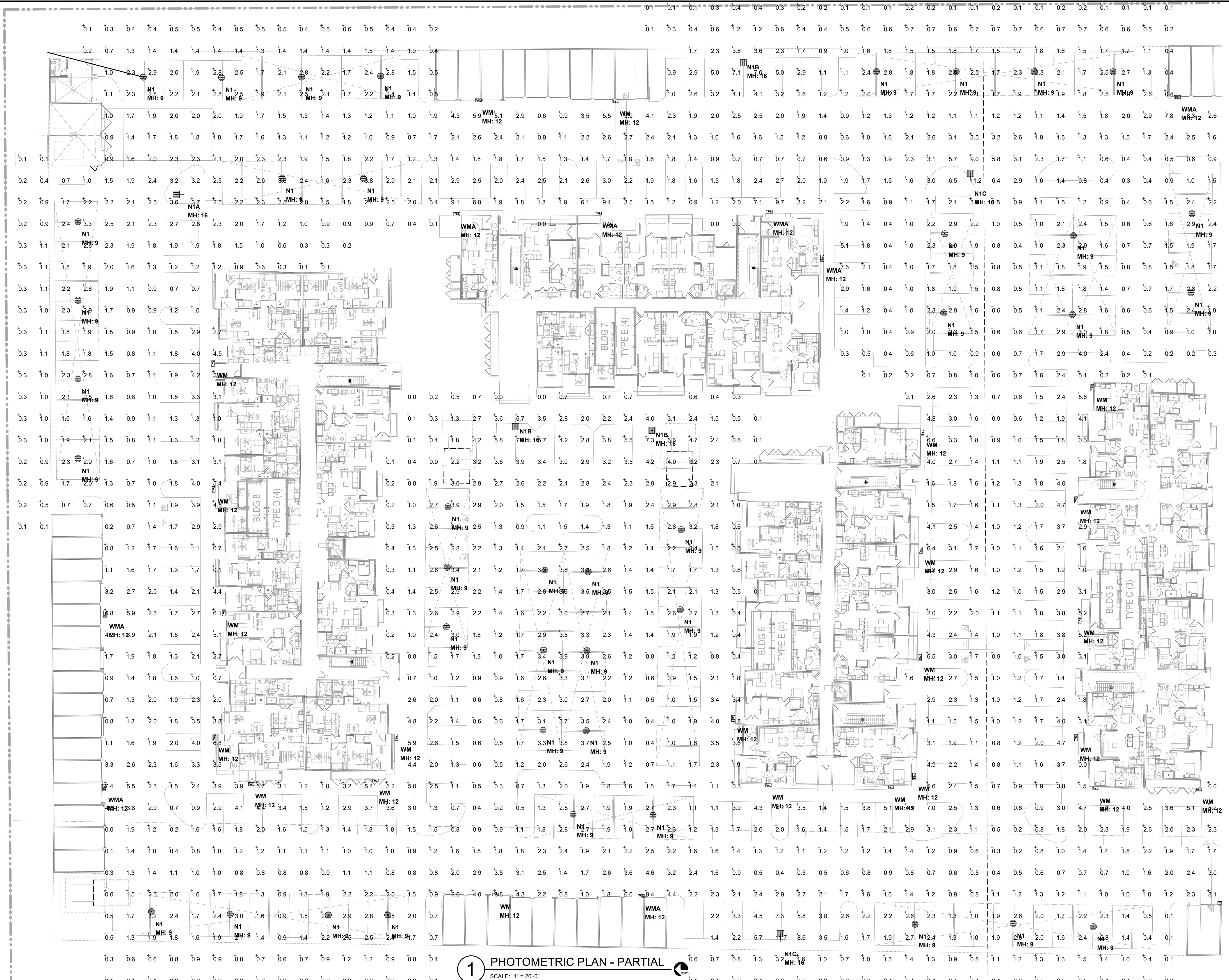
SHEET TITLE

PHOTOMETRIC -
PARTIAL PLAN

SHEET NUMBER

E1-02

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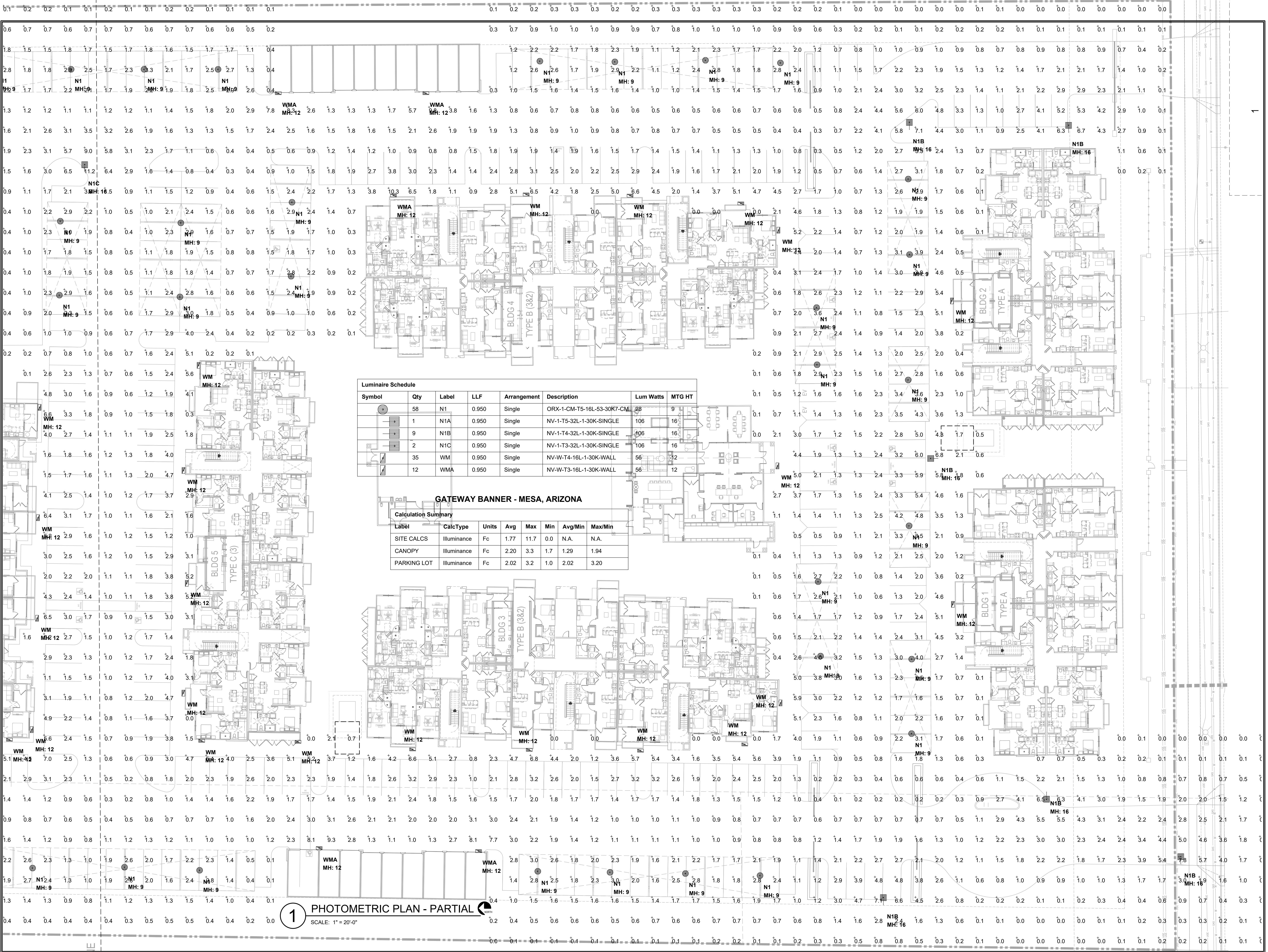
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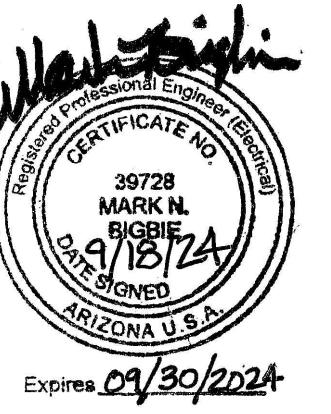
BANNER GATEWAY APARTMENTS

MESA, ARIZONA



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SHEET TITLE	PHOTOMETRIC - PARTIAL PLAN	
SHEET NUMBER	E1-03	
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BANNER GATEWAY APARTMENTS

MESA, ARIZONA

BANNER GATEWAY APARTMENTS
Fixture Type "N1"

NLS
LIGHTING

ORGANIX ORX-1-CM
ARCHITECTURAL CEILING MOUNT

LED WATTAGE CHART

Drive Current	16L	16L
425 millamps	25W (1208-1417 Lumens)	
530 millamps	25W (129-251 Lumens)	
700 millamps	37W (2415-4244 Lumens)	
850 millamps	43W (2933-3214 Lumens)	

FORM

- Elegant Die-Cast Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, Low Profile Housing
- Spec Grade Performance
- Engineered For Optimum Thermal Management
- 9 Architectural Finishes Standard, RAL Colors Available

FUNCTION

- Micro Optics IES Distributions T2, T3, T4, T5
- 0-10V Dimming Drivers
- Up To Max Load < 15%
- Power factor > Max Load < 0.95
- Amber, 2700K, 3000K, 3500K, 4000K, or 5000K
- 16 LED Configuration
- CRI 70, 80, or 90
- 5 MILS Powder Coat
- Up To 5,214 Lumens

RELIABILITY

- Silicone Micro Optics
- 5 Year Standard Warranty
- IP65 Optics
- IP66 Fixture

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade Agreement Act), or BABA (Build America, Buy America).

REV 06.25.24

Project Name: BANNER GATEWAY APARTMENTS Type: **Fixture Type "N1"**

ORGANIX - 1 CEILING MOUNT ORDERING GUIDE

Cat#	Light Dist.	No. of LEDs	Millamps	Kelvin Temp	Volts
ORX-1	T5	16	53	30K7	UNIV
Organix - 1 Ceiling Mount (ORX-1)	Type 2 (T2)	16 (16L)	425 (42)	Amber 585-600M (AMBER) 0-10V	120-277 (UNV)
	Type 3 (T3)		530 (53)	2700K 80 CRI (27K7) 0-10V	
	Type 4 (T4)		700 (7)	2700K 80 CRI (27K7) 0-10V	
	Type 5 (T5)		850 (85)	3000K 70 CRI (30K7) 0-10V	
				3000K 80 CRI (30K7) 0-10V	
				3500K 80 CRI (35K7) 0-10V	
				4000K 70 CRI (40K7) 0-10V	
				4000K 80 CRI (40K7) 0-10V	
				5000K 70 CRI (50K7) 0-10V	
				5000K 80 CRI (50K7) 0-10V	

Mounting

Color

Control Options

Options

Lens Options

Notes:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- Consult Factory for Custom Control Integration requests.
- Please contact factory for Custom Control Integration requests. Consult Factory for 90 CRI Requests.
- Standard Finish is stainless steel. Can be painted to match fixture.
- Universal Voltage 120-277V
- HPS/HID ballasts not recommended.
- 3000K or lower, with fixed mounting options only, must be selected to meet International Dark Sky Association certification.
- Glass Lens: Yellow Polycarbonate Lens - less than 2 Blue Light Content
- Please contact factory for Custom Control Integration requests (nLight, NX, WaveLink, ColorMAX/ROMA, Syntac, Cambalt, Dial It, AvOn, or other control systems).
- Two Piece Safe
- Consult factory for all BAA/TAA/BABA requests.
- Model NLS-ORX-1-CM is not UL Listed.
- Not Available above 100mA
- Contact Factory.

NLS
LIGHTING

701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nlslighting.com

1 LIGHT FIXTURE "N1"
SCALE: N.T.S.

BANNER GATEWAY APARTMENTS
Fixture Type "N1A" & "N1B"

NLS
LIGHTING

NV-1
AREA, SITE & ROADWAY

LED WATTAGE CHART

	1L	32L	48L	64L
400 millamps	21w	-	-	-
530 millamps	29w	-	-	-
700 millamps	39w	7w	10w	13w
1050 millamps	56w	108w	156w	205w

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for:
 - Parking Lots
 - Auto Dealerships
 - General Area Lighting

CONSTRUCTION

- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP67 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

FINISH

- 3.5 mils electrostatic powder coat.
- NLS standard high-quality finishes prevent corrosion, protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).

REV 08.06.24

Project Name: BANNER GATEWAY APARTMENTS Type: **Fixture Type "N1A" & "N1B"**

NV-1 ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Millamps	Kelvin	Volts
NV-1		32L	400 (40)	1	Amber 585-600M (AMBER) 16.14.13
NV-1 (T4)	Type 2 (T2)	32 (32L)	530 (53)	2700K 70 CRI (27K7) *	120-277 (UNV)
NV-1 (T5)	Type 3 (T3)	48 (48L)	700 (7)	2700K 80 CRI (27K7) *	347-480 (HV)
	Type 4 (T4)			3000K 70 CRI (30K7) *	
	Type 5 (T5)			3000K 80 CRI (30K7) *	
				3500K 70 CRI (35K7) *	
				4000K 70 CRI (40K7) *	
				4000K 80 CRI (40K7) *	
				5000K 70 CRI (50K7) *	
				5000K 80 CRI (50K7) *	

Mounting

Color

Controls Options

Options

Lens Options

Notes:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- For Round Pole Specify RP4 or RP4S.
- Standard Finish is stainless steel. Can be painted to match fixture.
- Universal Voltage 120-277V
- HPS/HID ballasts not recommended.
- 3000K or lower, with fixed mounting options only, must be selected to meet International Dark Sky Association certification.
- Glass Lens: Yellow Polycarbonate Lens - less than 2 Blue Light Content
- Please contact factory for Custom Control Integration requests (nLight, NX, WaveLink, ColorMAX/ROMA, Syntac, Cambalt, Dial It, AvOn, or other control systems).
- Two Piece Safe
- Consult factory for all BAA/TAA/BABA requests.
- Model NLS-NV-1 is not UL Listed.
- Not Available above 100mA
- Contact Factory.

NLS
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2 LIGHT FIXTURE "N1A" & "N1B"
SCALE: N.T.S.

PRINT RECORD

DATE	ISSUED FOR
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REVISIONS

▲	DATE	DESCRIPTION

SHEET TITLE

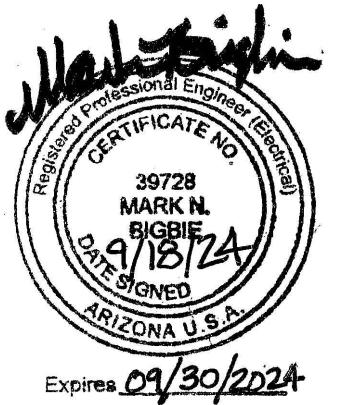
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SHEET NUMBER

E1-04

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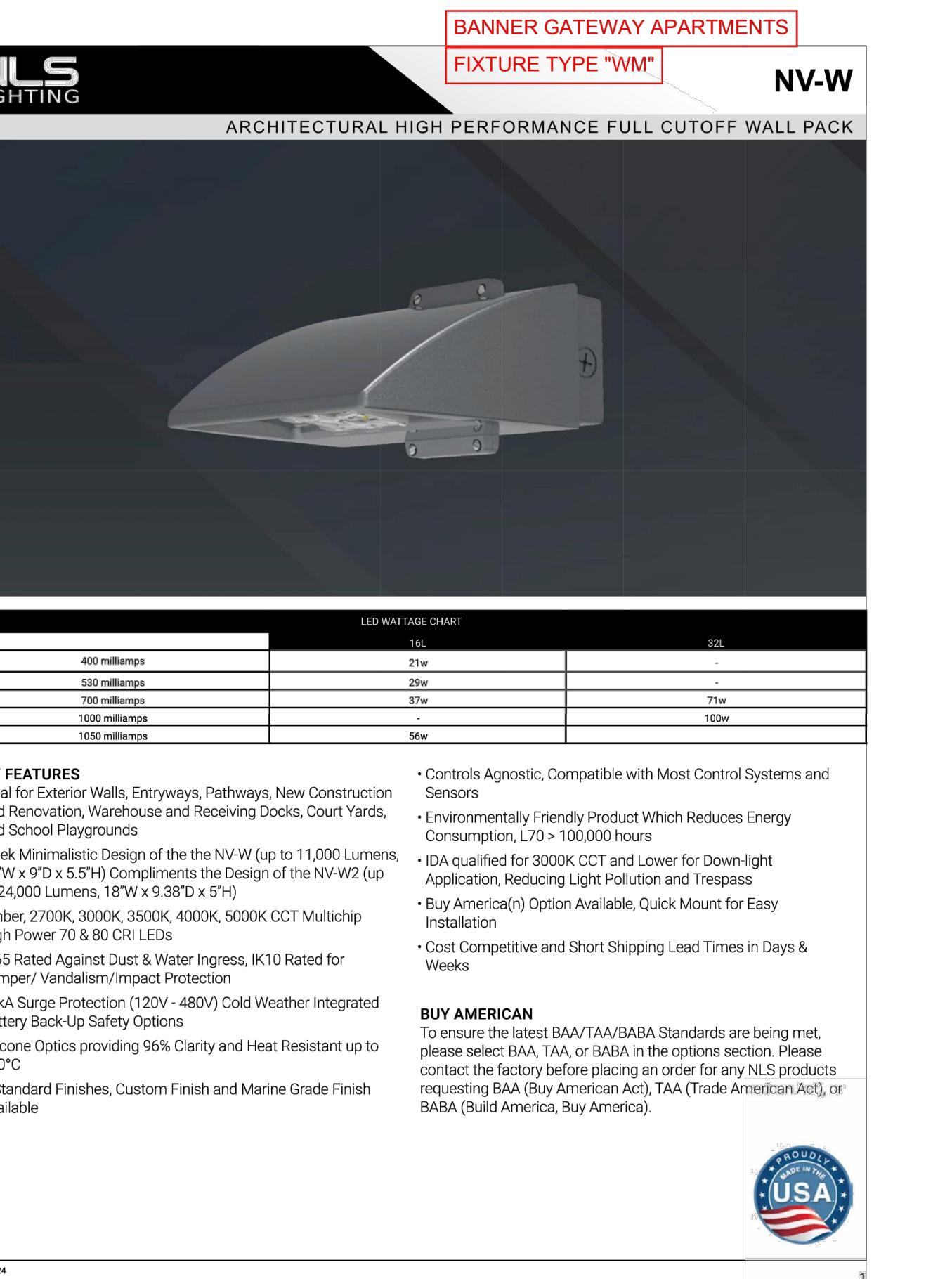
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Engineers10375 Richmond Avenue • Suite 300
Houston, TX 77042
p. 281.617.3200 • f. 281.617.3207Project Number: 24060530
Drawn By: TD Checked By: TD39728
MARK N.
BIGBEE
D 9/18/2024
ARIZONA

Expires 09/30/2024

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BANNER GATEWAY APARTMENTS

MESA, ARIZONA



Project Name: BANNER GATEWAY APARTMENTS			Type: FIXTURE TYPE "WM"			
NV-W ORDERING GUIDE						
Cat#	Light Dist.	# of LEDs	Millamps	Kelvin	Volts	
NV-W (NV-W)	Type 2 (T2) Type 3 (T3) Type 4 (T4)	16 (16) 32 (32) 70 (7)	400 (40) 530 (53) 700 (7) 1000 (10) 1050 (10)	30K7 (30K7) 32K7 (32K7) 33K7 (33K7) 34K7 (34K7) 35K7 (35K7) 36K7 (36K7) 37K7 (37K7) 38K7 (38K7) 39K7 (39K7) 40K7 (40K7)	120V/277V (UNV) 277V (VNF) 277V 50 CRI (27K8) 7' 3000K 20 CRI (30K7) 3000K 80 CRI (30K8) 7' 3500K 20 CRI (35K7) 4000K 20 CRI (40K7) 4500K 20 CRI (45K7) 5000K 20 CRI (50K7) 5500K 20 CRI (55K7)	

NOTES:

1. Contact Factory for Lead Time.
2. Requires Housing Selection.
3. Universal Voltage 120-277.
4. All Emergency Battery Options Certified CA Title 20.
5. (1) 160 or lower.
6. (1) 160, only.
7. 3000K or lower must be selected to meet International Dark Sky Association certification.
8. Glass Lens or low iron glass, fully tempered per ANSI C3.97.
9. HAL Lens: Yellow Polycarbonate Lens – less than 2% Blue Light Content
10. Please call factory for Current Control and Motion Sensor requests (Light, NX, Wave, Unl, Creston, DMX/IRDM, Synergy, Casambi, Dali, Lutron, or other control systems).
11. Turtle Safe
12. Contact Factory for all BAA/TAA/BABA requests
13. Consult Factory for Lead Time
14. Not Available above 1000mA
15. Contact Factory

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Call Us Today (310) 341-2307

nlslighting.com

SOLID STATE AREA LIGHTING
GALAXY1 SERIES-LED

SPECIFICATIONS

HOUSING
Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Housing attaches to pole via a one piece, extruded aluminum housing. Housing is die cast from aluminum. Housing/pole junction is gasketed. All exposed hardware is stainless steel. Internal protected hardware is electro-zinc plated.

VLED OPTICAL MODULE
Low copper A356 alloy (<2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prisms optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter has a single, continuously connected Reflector-Prism mated from H12 acrylic (3 types per model, one from 0° - 50°, one from 50° - 65°, one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are designed to produce IES Type II, IESNA V-50 distributions. The GLX1 Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant insulated cord. Lens, module and drivers are field replaceable.

LED EMISSIONS
Module Output LED's are driven at 350mA for nominal 1 Watt output each or 625mA for nominal 1.5 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER
Model GLX1 recognized High Power Factor, Constant Current LED drivers accept input voltages from 120-277VAC, 50/60Hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI powder wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

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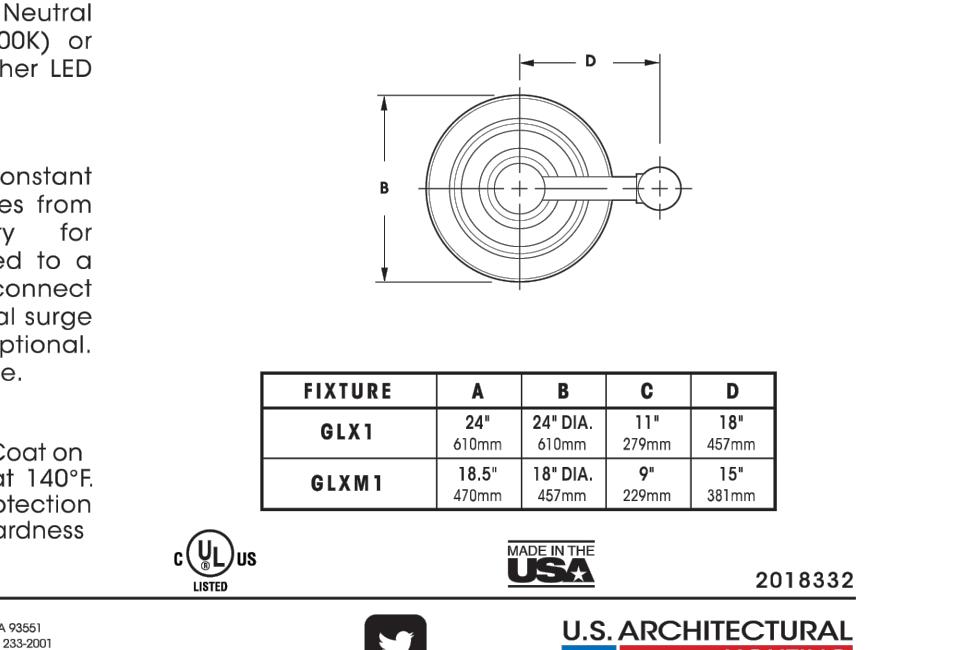
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0

24° 24° DIA. 11° 18°

61mm 61mm 279mm 457mm

18.5° 18° DIA. 9° 15°

457mm 457mm 229mm 381mm

2 LIGHT FIXTURE "CP"
SCALE: N.T.S.

GALAXY1 SERIES - LED

SPECIFICATIONS					
LUMINAIRE	OPTICS	LED	MOUNTING	FINISH	OPTIONS
GLX1	VLED IIS DISTRIBUTION TYPE VLED - II VLED - III VLED - IV VLED - VSQ	GLX1 350mA 120LED 525mA 100LED 64LED GLXM1 80LED A4LED 48LED	ARM MOUNT 1 2/90 3/90 3/120 4/90 WALL MOUNT WM	STANDARD TEXTURED FINISH BLACK RAL-9005-T WHITE RAL-9003-T GREY RAL-7004-T DARK BRONZE RAL-8019-T GREEN RAL-6005-T	INTERNAL HOUSE SIDE SHIELDS... HS EXTERIOR HOUSE SIDE SHIELDS... ES DIMMABLE DRIVERS (0-10V) ... DIM HIGH LOW DIMMING FOR HARDWIRED SWITCHES, 24V DC HARDWIRED SWITCHES NON-DIMMING SURFACE MOTION SENSOR ... HLSW PHOTO CELL VOLTAGE (MAX. 50VDC) ... PC-V RECEIVER BOXES... TPR 10KV SURGE PROTECTOR... 10SP 20KV SURGE PROTECTOR (277V & 480V) ... 20SP
GLXM1	✓ VLED IIS DISTRIBUTION TYPE VLED - II VLED - III VLED - IV VLED - VSQ	✓ 120 208 240 277 347 480			

SHEET TITLE
SITE LIGHT FIXTURE CUT SHEETS
SHEET NUMBER
E1-05
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