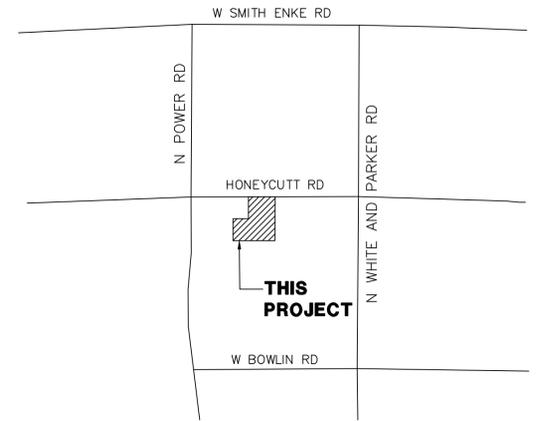


GUNSMOKE

N GUNSMOKE ROAD & HONEYCUTT ROAD

PINAL COUNTY, AZ

PHOTOMETRIC LIGHTING PLAN



VICINITY MAP
NTS



DEVELOPER

HANCOCK COMMUNITIES, LLC
4040 E CAMELBACK ROAD SUITE 215
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PHONE: (480) 285-1300
CONTACT: GREG HANCOCK
EMAIL: GREG@HANCOCK-AZ.COM

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CIVIL ENGINEER

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PHONE: (480) 629-8830
CONTACT: MATT CAWLEY
EMAIL: MCAWLEY@BOWMANCONSULTING.COM

SHEET INDEX

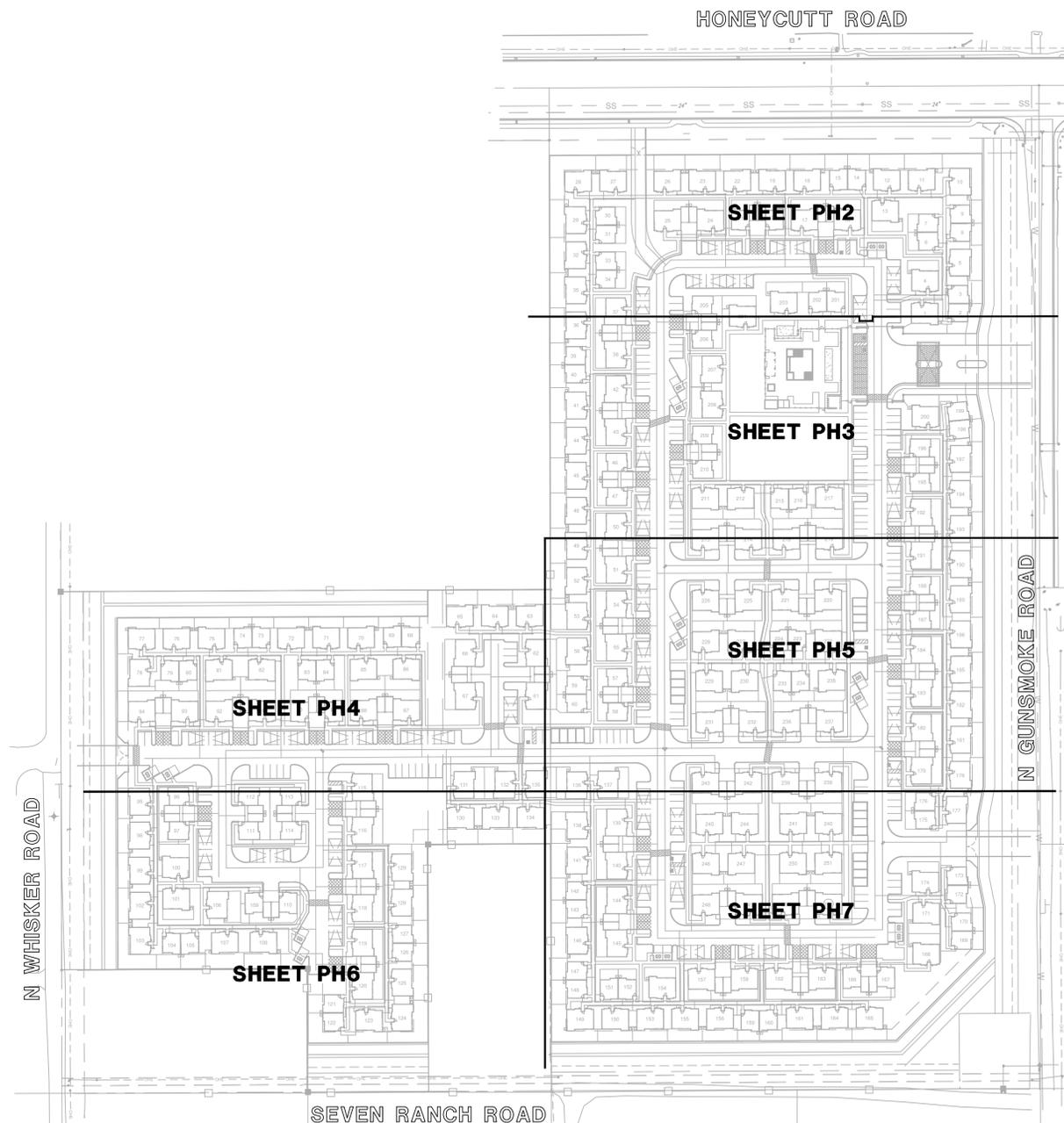
SHEET PH1	PHOTOMETRIC COVER SHEET
SHEET PH2	PHOTOMETRIC CALCULATIONS
SHEET PH3	PHOTOMETRIC CALCULATIONS
SHEET PH4	PHOTOMETRIC CALCULATIONS
SHEET PH5	PHOTOMETRIC CALCULATIONS
SHEET PH6	PHOTOMETRIC CALCULATIONS
SHEET PH7	PHOTOMETRIC CALCULATIONS
SHEET PH8	PHOTOMETRIC CUT SHEETS & DETAILS
SHEET PH9	PHOTOMETRIC CUT SHEETS & DETAILS

CALCULATIONS

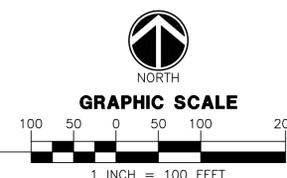
DRIVE AISLE	WALKWAYS
2048 points	1546 points
HORIZONTAL FOOTCANDLES	HORIZONTAL FOOTCANDLES
Average 1.0	Average 0.6
Maximum 3.8	Maximum 3.8
Minimum 0.2	Minimum 0.0
Avg:Min 4.80	Avg:Min N/A
Max:Min 19.00	Max:Min N/A
Coef Var 0.61	Coef Var 0.81

LEGEND

- GENERIC PORCH LIGHT
candela file '19050042b-01_11A19DIM_830_IESNA95.IES'
1 lamp(s) per luminaire, 1376 initial lumens per lamp
Light Loss Factor = 0.900, watts per luminaire = 11
mounting height= 6.5 ft
number locations= 307, number luminaires= 307
kw all locations= 3.4
- 70W TYPE V LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height= 15 ft
number locations= 24, number luminaires= 24
kw all locations= 1.7
- 70W TYPE III LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height= 15 ft
number locations= 7, number luminaires= 7
kw all locations= 0.5
- 10W PORTICO CAN LIGHT
candela file 'WF4_LED_30K.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 10
mounting height= 10 ft
number locations= 8, number luminaires= 8
kw all locations= 0.1
- 33W LED CANOPY LIGHT
candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXX_XXXX_EM.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 33
mounting height= 10 ft
number locations= 63, number luminaires= 63
kw all locations= 2.1
- 19W LED BOLLARD
candela file 'BOLPFL20W1500LMV40KBZ.IES'
1 lamp(s) per luminaire, 706 initial lumens per lamp
Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
mounting height= 3.6 ft
number locations= 36, number luminaires= 36
kw all locations= 0.7



PHOTOMETRIC COVER SHEET

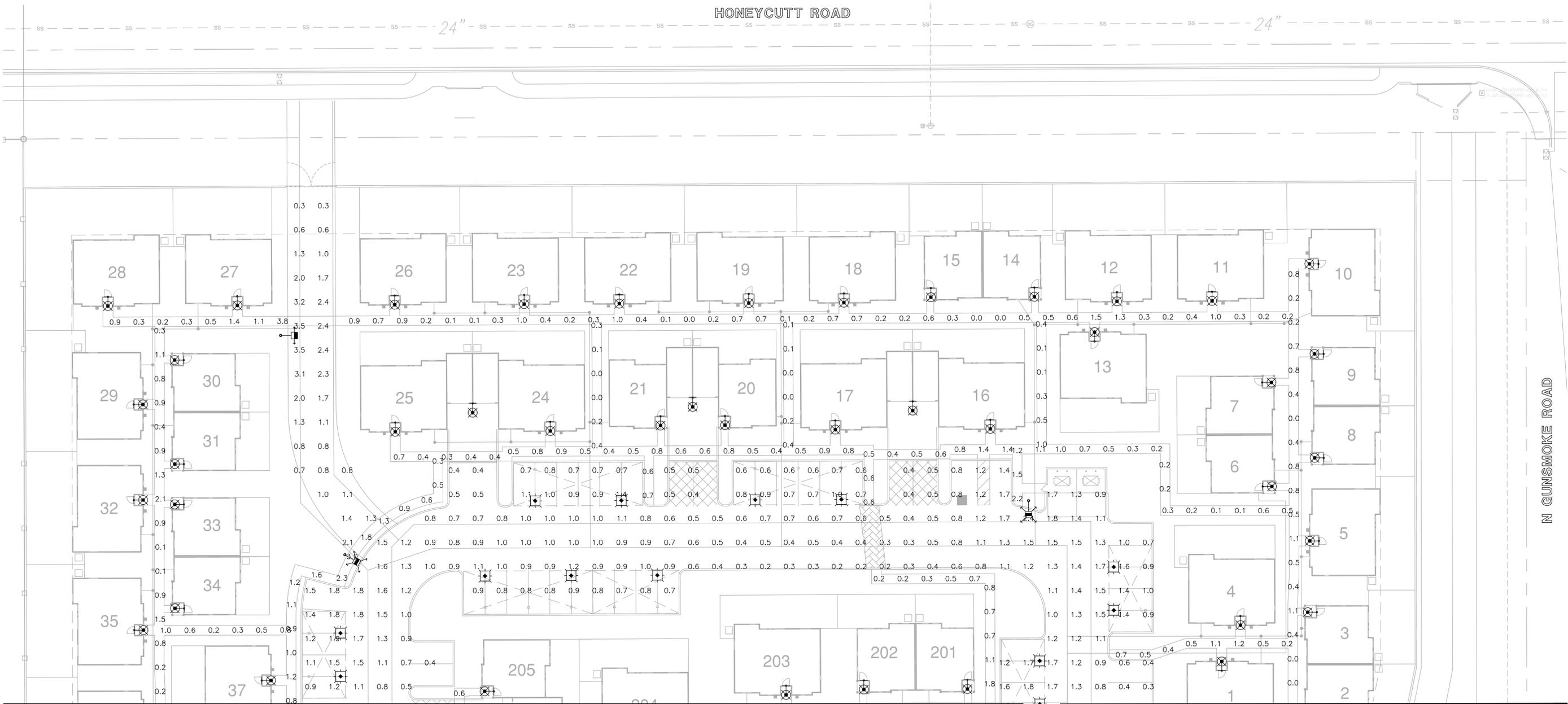


WRIGHT
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ELECTRICAL ENGINEERING AND DESIGN
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PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION
SHEET. FOR INFORMATION ONLY.

	<p>PROJECT NAME: GUNSMOKE N GUNSMOKE RD & HONEYCUTT RD PHOTOMETRIC LIGHTING PLAN</p> <p>WRIGHT ENG. PROJECT NO: 21158</p> <p>DESIGN BY: NAK PH1</p>
--	---

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MATCH LINE A
SEE SHEET PH3

LEGEND

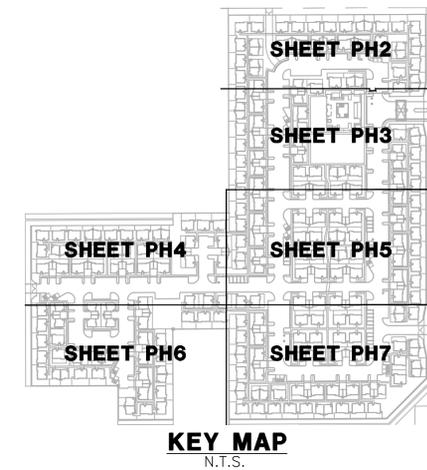
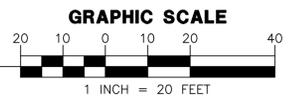
- 
 GENERIC PORCH LIGHT
 candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
 1 lamp(s) per luminaire, 1376 initial lumens per lamp
 Light Loss Factor = 0.900, watts per luminaire = 11
 mounting height= 6.5 ft
 number locations= 307, number luminaires= 307
 kw all locations= 3.4
- 
 70W TYPE V LED AREA LIGHT
 candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 70
 mounting height= 15 ft
 number locations= 24, number luminaires= 24
 kw all locations= 1.7
- 
 70W TYPE III LED AREA LIGHT
 candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 70
 mounting height= 15 ft
 number locations= 7, number luminaires= 7
 kw all locations= 0.5

- 
 10W PORTICO CAN LIGHT
 candela file 'WF4_LED_30K.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 10
 mounting height= 10 ft
 number locations= 8, number luminaires= 8
 kw all locations= 0.1
- 
 33W LED CANOPY LIGHT
 candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXXX_XXXX_EM.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 33
 mounting height= 10 ft
 number locations= 63, number luminaires= 63
 kw all locations= 2.1
- 
 19W LED BOLLARD
 candela file 'BOLPFL20W1500LMV40KBZ.IES'
 1 lamp(s) per luminaire, 706 initial lumens per lamp
 Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
 mounting height= 3.6 ft
 number locations= 36, number luminaires= 36
 kw all locations= 0.7

CALCULATIONS

DRIVE AISLE	WALKWAYS
2048 points	1546 points
HORIZONTAL FOOTCANDLES	HORIZONTAL FOOTCANDLES
Average 1.0	Average 0.6
Maximum 3.8	Maximum 3.8
Minimum 0.2	Minimum 0.0
Avg:Min 4.80	Avg:Min N/A
Max:Min 19.00	Max:Min N/A
Coef Var 0.61	Coef Var 0.81

PHOTOMETRIC CALCULATIONS



KEY MAP
N.T.S.



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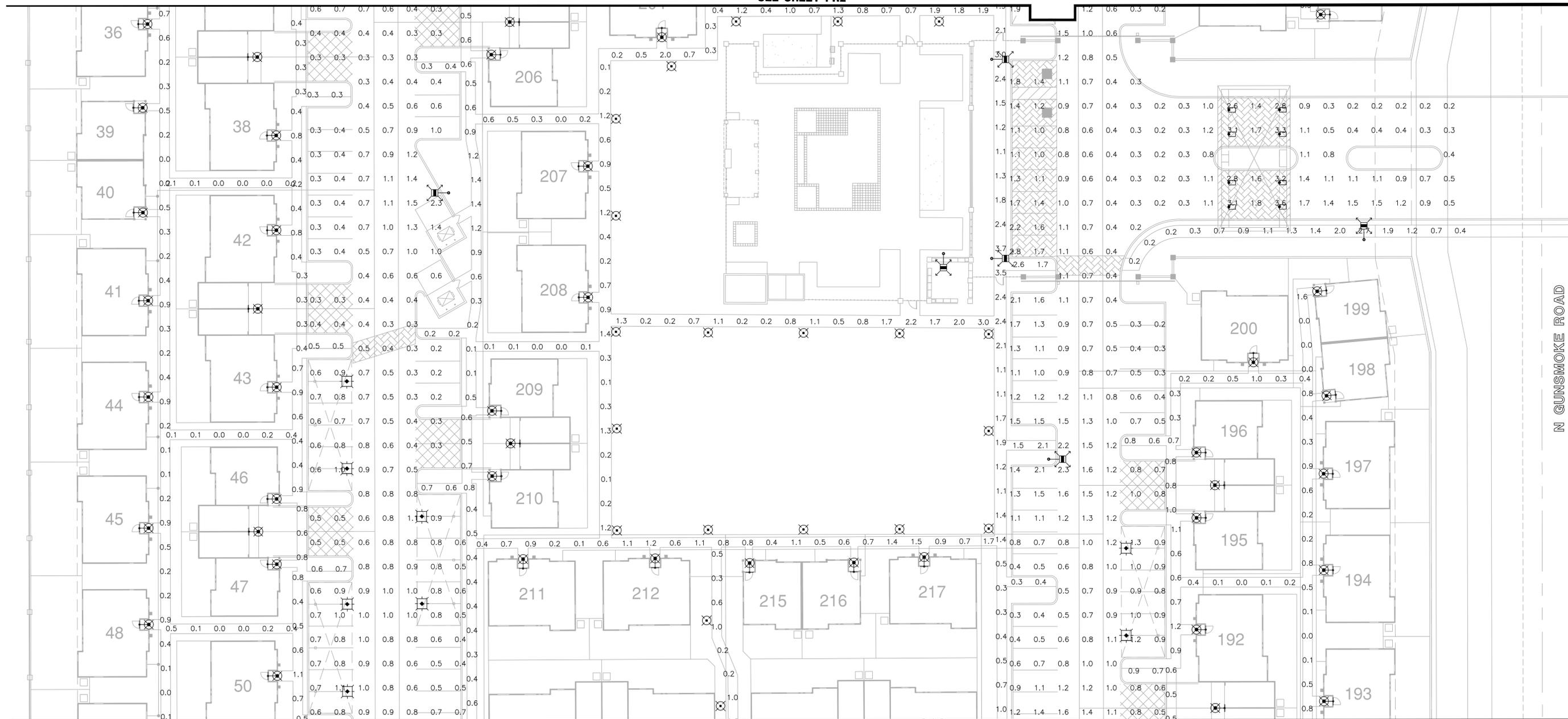
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION
SHEET. FOR INFORMATION ONLY.

<p>PROJECT NAME: GUNSMOKE N GUNSMOKE RD & HONEYCUTT RD PHOTOMETRIC LIGHTING PLAN</p> <p>WRIGHT ENG. PROJECT NO: 21158</p> <p>DESIGN BY: NAK</p>	<p>PROJECT NO: 21158</p> <p>DATE: 04/27/22</p> <p>EXPIRES: 3-31-22</p> <p style="text-align: right;">PH2</p>
--	--

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MATCH LINE A
SEE SHEET PH2



MATCH LINE B
SEE SHEET PH5

N GUNSMOKE ROAD

LEGEND

- GENERIC PORCH LIGHT
candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
1 lamp(s) per luminaire, 1376 initial lumens per lamp
Light Loss Factor = 0.900, watts per luminaire = 11
mounting height = 6.5 ft
number locations = 307, number luminaires = 307
kw all locations = 3.4
- 70W TYPE V LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 15 ft
number locations = 24, number luminaires = 24
kw all locations = 1.7
- 70W TYPE III LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 7 ft
number locations = 7, number luminaires = 7
kw all locations = 0.5

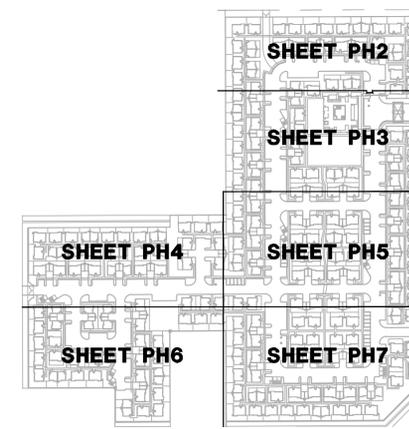
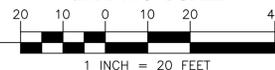
PHOTOMETRIC CALCULATIONS

- 10W PORTICO CAN LIGHT
candela file 'WF4_LED_30K.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 10
mounting height = 10 ft
number locations = 8, number luminaires = 8
kw all locations = 0.1
- 33W LED CANOPY LIGHT
candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXXX_XXXX_EM.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 33
mounting height = 10 ft
number locations = 63, number luminaires = 63
kw all locations = 2.1
- 19W LED BOLLARD
candela file 'BOLPFL20W1500LMV40KBZ.ies'
1 lamp(s) per luminaire, 706 initial lumens per lamp
Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
mounting height = 3.6 ft
number locations = 36, number luminaires = 36
kw all locations = 0.7

CALCULATIONS

DRIVE AISLE	WALKWAYS
2048 points	1546 points
HORIZONTAL FOOTCANDLES	HORIZONTAL FOOTCANDLES
Average 1.0	Average 0.6
Maximum 3.8	Maximum 3.8
Minimum 0.2	Minimum 0.0
Avg:Min 4.80	Avg:Min N/A
Max:Min 19.00	Max:Min N/A
Coef Var 0.61	Coef Var 0.81

GRAPHIC SCALE



KEY MAP
N.T.S.

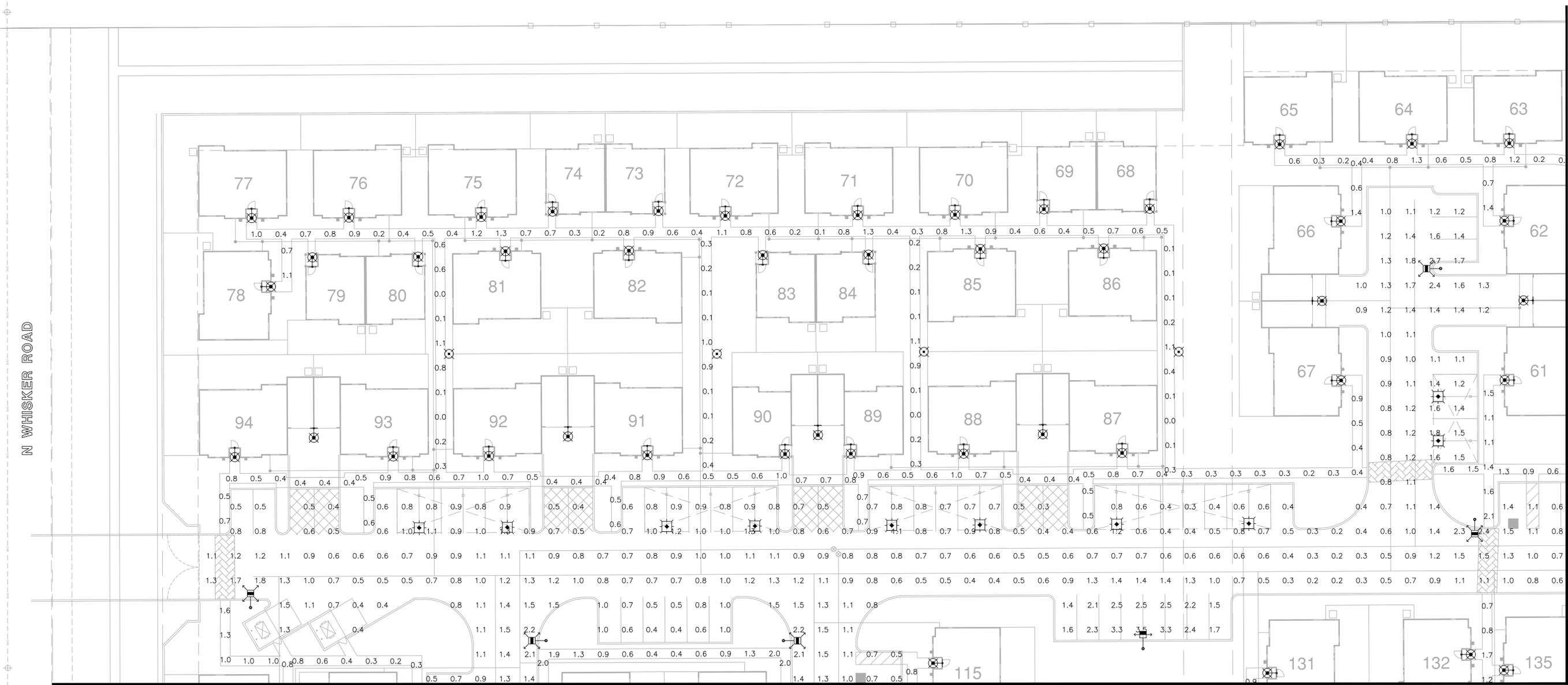
WRIGHT
engineering corporation

ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION
SHEET. FOR INFORMATION ONLY.

<p>PROJECT NAME: GUNSMOKE N GUNSMOKE RD & HONEYCUTT RD PHOTOMETRIC LIGHTING PLAN</p> <p>WRIGHT ENG. PROJECT NO: 21158</p> <p>DESIGN BY: NAK</p>	<p>PROJECT NO: 21158</p> <p>DATE: 04/27/22</p> <p>EXPIRES: 3-31-22</p> <p style="text-align: right;">PH3</p>
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N WHISKER ROAD

MATCH LINE C
SEE SHEET PHS

MATCH LINE D
SEE SHEET PH6

LEGEND

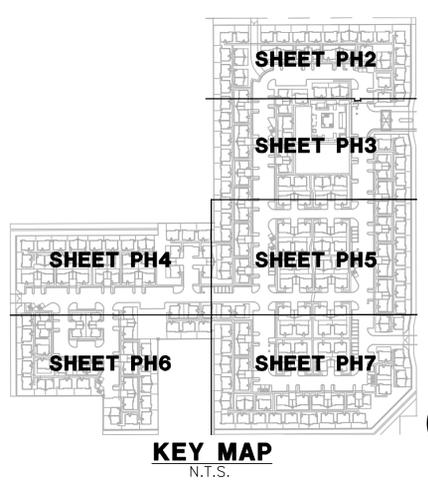
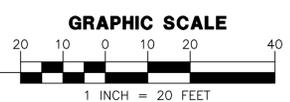
- GENERIC PORCH LIGHT
 candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
 1 lamp(s) per luminaire, 1376 initial lumens per lamp
 Light Loss Factor = 0.900, watts per luminaire = 11
 mounting height= 6.5 ft
 number locations= 307, number luminaires= 307
 kw all locations= 3.4
- 70W TYPE V LED AREA LIGHT
 candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 70
 mounting height= 15 ft
 number locations= 24, number luminaires= 24
 kw all locations= 1.7
- 70W TYPE III LED AREA LIGHT
 candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 70
 mounting height= 15 ft
 number locations= 7, number luminaires= 7
 kw all locations= 0.5

- 10W PORTICO CAN LIGHT
 candela file 'WF4_LED_30K.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 10
 mounting height= 10 ft
 number locations= 8, number luminaires= 8
 kw all locations= 0.1
- 33W LED CANOPY LIGHT
 candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXXX_XXXX_EM.ies'
 1 lamp(s) per luminaire, photometry is absolute
 Light Loss Factor = 0.900, watts per luminaire = 33
 mounting height= 10 ft
 number locations= 63, number luminaires= 63
 kw all locations= 2.1
- 19W LED BOLLARD
 candela file 'BOLPFL20W1500LMV40KBZ.ies'
 1 lamp(s) per luminaire, 706 initial lumens per lamp
 Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
 mounting height= 3.6 ft
 number locations= 36, number luminaires= 36
 kw all locations= 0.7

CALCULATIONS

DRIVE AISLE		WALKWAYS	
2048 points		1546 points	
HORIZONTAL FOOTCANDLES		HORIZONTAL FOOTCANDLES	
Average	1.0	Average	0.6
Maximum	3.8	Maximum	3.8
Minimum	0.2	Minimum	0.0
Avg:Min	4.80	Avg:Min	N/A
Max:Min	19.00	Max:Min	N/A
Coef Var	0.61	Coef Var	0.81

PHOTOMETRIC CALCULATIONS



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PHONE 480.497.5829 • FAX 480.497.5807

**PHOTOMETRIC CALCULATION
SHEET. FOR INFORMATION ONLY.**

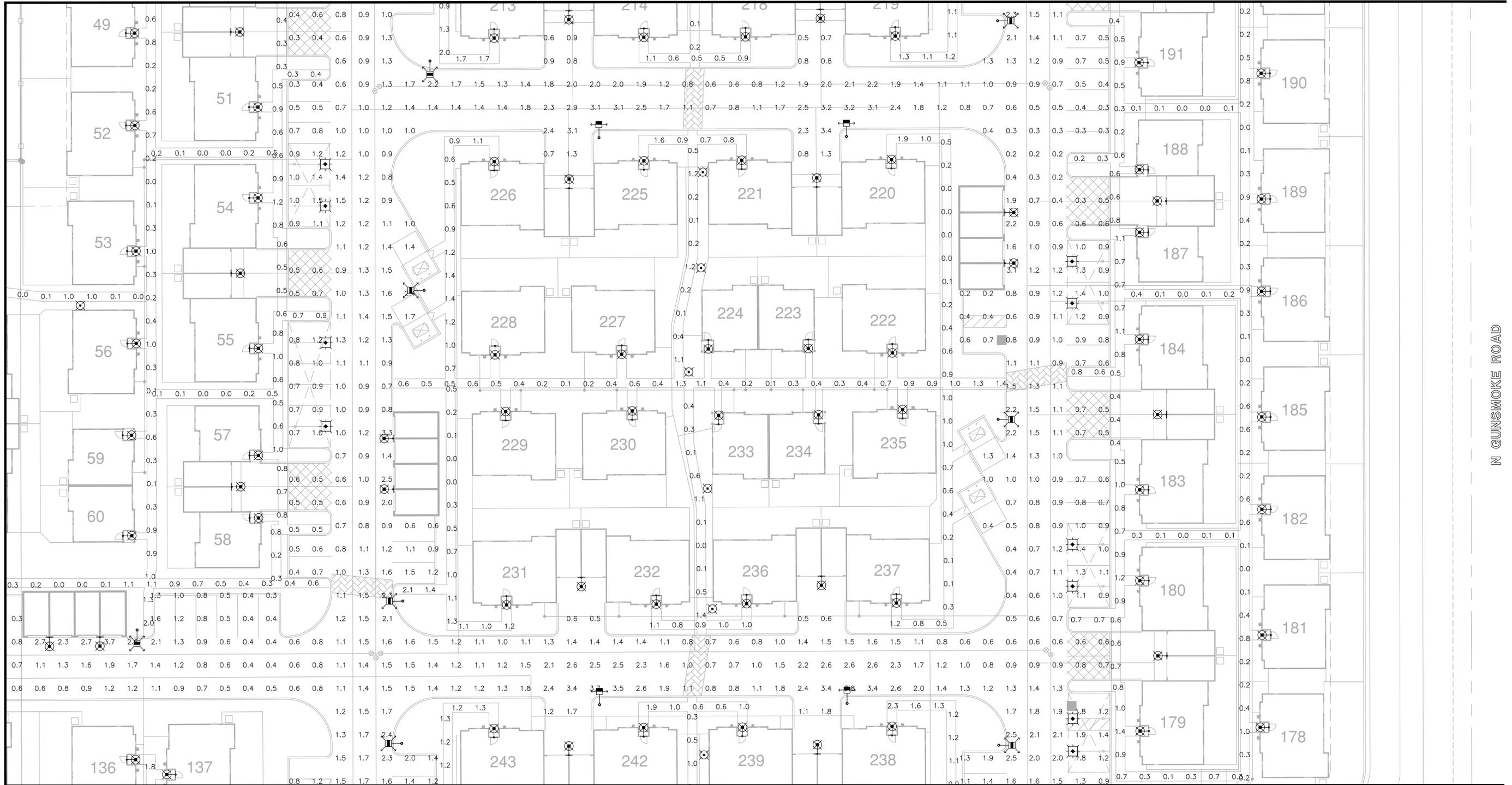
<p>PROJECT NAME: GUNSMOKE N GUNSMOKE RD & HONEYCUTT RD PHOTOMETRIC LIGHTING PLAN</p> <p>WRIGHT ENG. PROJECT NO: 21158</p> <p>DESIGN BY: NAK</p>	<p>PROJECT NO: 21158</p> <p>DESIGN BY: NAK</p> <p style="text-align: right;">PH4</p>
--	--

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MATCH LINE B
SEE SHEET PH3

MATCH LINE C
SEE SHEET PH4

N GUNSMOKE ROAD



LEGEND

- GENERIC PORCH LIGHT
candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
1 lamp(s) per luminaire, 1376 initial lumens per lamp
Light Loss Factor = 0.900, watts per luminaire = 11
mounting height = 6.5 ft
number locations = 307, number luminaires = 307
kw all locations = 3.4
- 70W TYPE V LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 15 ft
number locations = 24, number luminaires = 24
kw all locations = 1.7
- 70W TYPE III LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 15 ft
number locations = 7, number luminaires = 7
kw all locations = 0.5

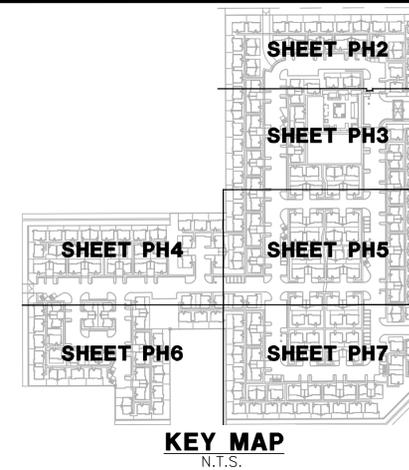
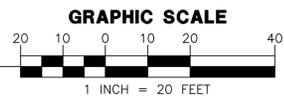
- 10W PORTICO CAN LIGHT
candela file 'WF4_LED_30K.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 10
mounting height = 10 ft
number locations = 8, number luminaires = 8
kw all locations = 0.1
- 33W LED CANOPY LIGHT
candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXX_XXXX_EM.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 33
mounting height = 10 ft
number locations = 63, number luminaires = 63
kw all locations = 2.1
- 19W LED BOLLARD
candela file 'BOLPFL20W1500LMV40KBZ.ies'
1 lamp(s) per luminaire, 706 initial lumens per lamp
Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
mounting height = 3.6 ft
number locations = 36, number luminaires = 36
kw all locations = 0.7

MATCH LINE E
SEE SHEET PH7

CALCULATIONS

DRIVE AISLE	WALKWAYS
2048 points	1546 points
HORIZONTAL FOOTCANDLES	HORIZONTAL FOOTCANDLES
Average 1.0	Average 0.6
Maximum 3.8	Maximum 3.8
Minimum 0.2	Minimum 0.0
Avg:Min 4.80	Avg:Min N/A
Max:Min 19.00	Max:Min N/A
Coef Var 0.61	Coef Var 0.81

PHOTOMETRIC CALCULATIONS



WRIGHT
engineering corporation
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165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION SHEET. FOR INFORMATION ONLY.

PROJECT NAME:
GUNSMOKE
N GUNSMOKE RD & HONEYCUTT RD
PHOTOMETRIC LIGHTING PLAN

WRIGHT ENG.
PROJECT NO: 21158

DESIGN BY: NAK **PH5**

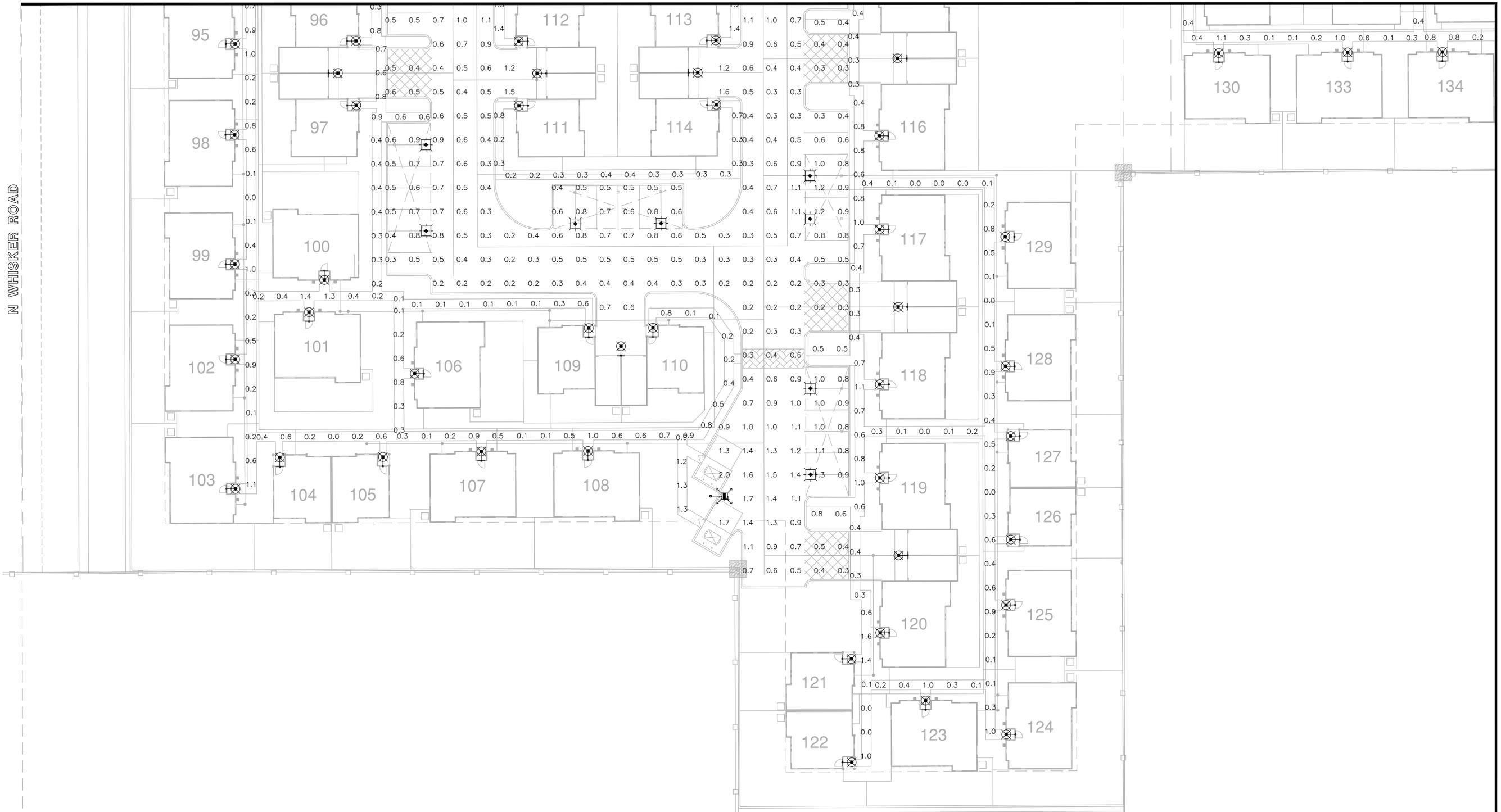
Professional Engineer Seal: 35943, WAZE T. WILLIAMS, State of Arizona, Expires 3-31-22

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MATCH LINE D
SEE SHEET PH4

N WHISKER ROAD

MATCH LINE F
SEE SHEET PH7



LEGEND

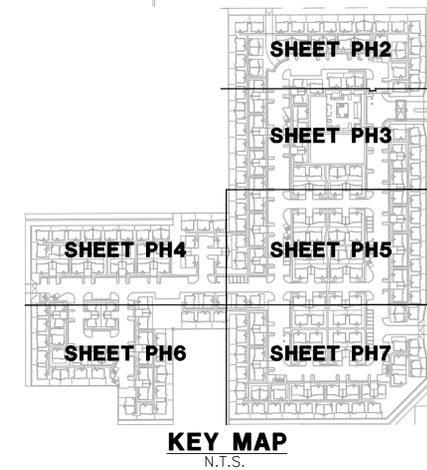
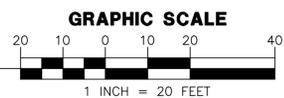
- GENERIC PORCH LIGHT
candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
1 lamp(s) per luminaire, 1376 initial lumens per lamp
Light Loss Factor = 0.900, watts per luminaire = 11
mounting height= 6.5 ft
number locations= 307, number luminaires= 307
kw all locations= 3.4
- 70W TYPE V LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height= 15 ft
number locations= 24, number luminaires= 24
kw all locations= 1.7
- 70W TYPE III LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height= 7 ft
number locations= 7, number luminaires= 7
kw all locations= 0.5

CALCULATIONS

- 10W PORTICO CAN LIGHT
candela file 'WF4_LED_30K.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 10
mounting height= 10 ft
number locations= 8, number luminaires= 8
kw all locations= 0.1
- 33W LED CANOPY LIGHT
candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXXX_XXXX_EM.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 33
mounting height= 10 ft
number locations= 63, number luminaires= 63
kw all locations= 2.1
- 19W LED BOLLARD
candela file 'BOLPFL20W1500LMV40KBZ.IES'
1 lamp(s) per luminaire, 706 initial lumens per lamp
Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
mounting height= 3.6 ft
number locations= 36, number luminaires= 36
kw all locations= 0.7

DRIVE AISLE		WALKWAYS	
2048 points		1546 points	
HORIZONTAL FOOTCANDLES		HORIZONTAL FOOTCANDLES	
Average	1.0	Average	0.6
Maximum	3.8	Maximum	3.8
Minimum	0.2	Minimum	0.0
Avg:Min	4.80	Avg:Min	N/A
Max:Min	19.00	Max:Min	N/A
Coef Var	0.61	Coef Var	0.81

PHOTOMETRIC CALCULATIONS



KEY MAP
N.T.S.



WRIGHT
engineering corporation

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165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION
SHEET. FOR INFORMATION ONLY.

PROJECT NAME:
GUNSMOKE N GUNSMOKE RD & HONEYCUTT RD
PHOTOMETRIC LIGHTING PLAN

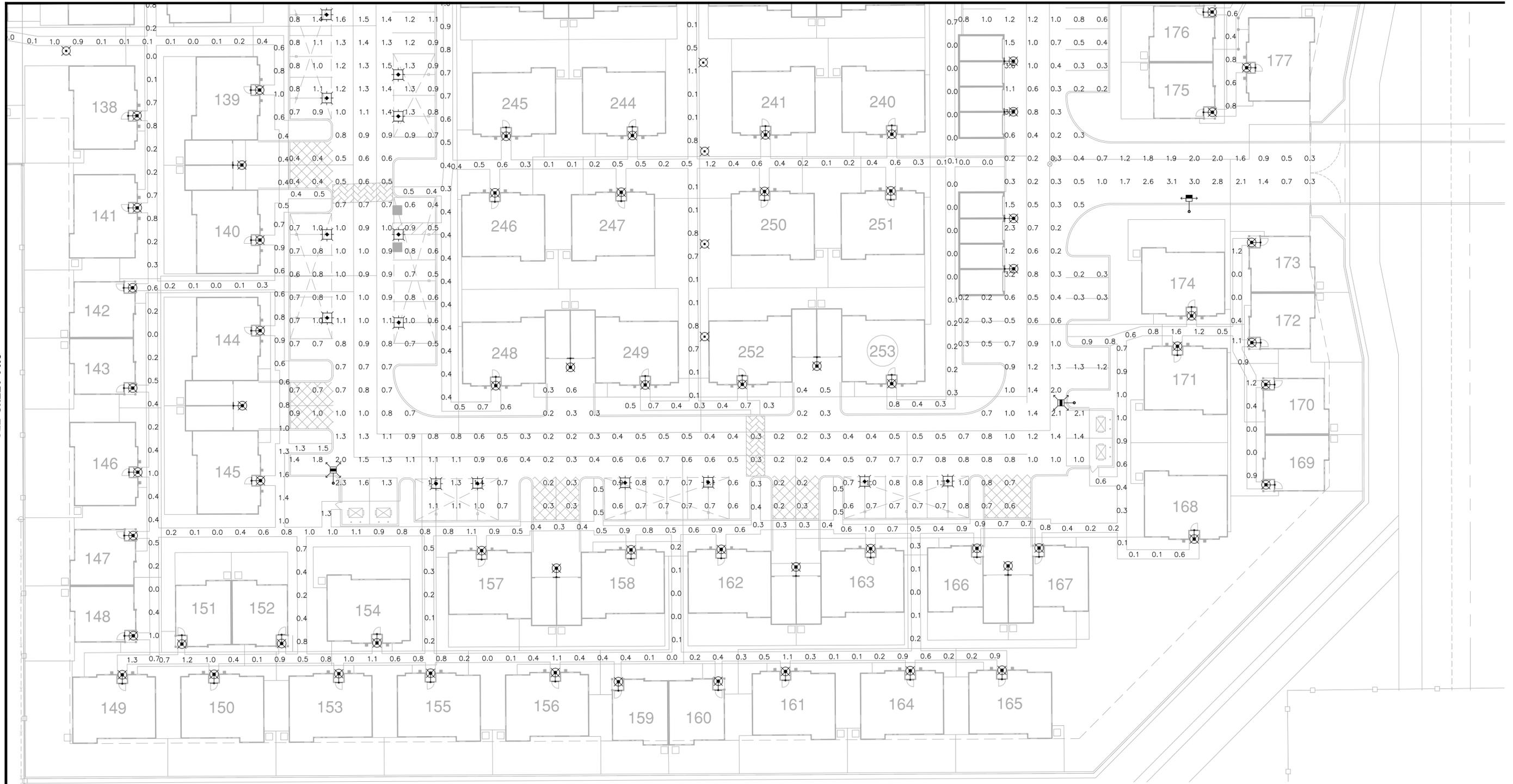
WRIGHT ENG.
PROJECT NO: **21158**

DESIGN BY: NAK **PH6**

H:\2021\21158-Gunsmoke Apartment Homes\Photometrics\21158-PH.rvt

MATCH LINE E
SEE SHEET PH5

MATCH LINE F
SEE SHEET PH6



LEGEND

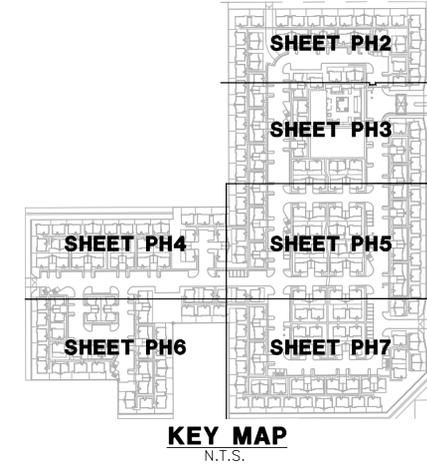
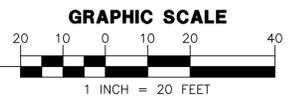
- GENERIC PORCH LIGHT
candela file 's19050042b-01 11A19DIM 830_IESNA95.IES'
1 lamp(s) per luminaire, 1376 initial lumens per lamp
Light Loss Factor = 0.900, watts per luminaire = 11
mounting height = 6.5 ft
number locations = 307, number luminaires = 307
kw all locations = 3.4
- 70W TYPE V LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T5W_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 15 ft
number locations = 24, number luminaires = 24
kw all locations = 1.7
- 70W TYPE III LED AREA LIGHT
candela file 'DSX1_LED_P2_30K_T3M_MVOLT.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 70
mounting height = 15 ft
number locations = 7, number luminaires = 7
kw all locations = 0.5

- 10W PORTICO CAN LIGHT
candela file 'WF4_LED_30K.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 10
mounting height = 10 ft
number locations = 8, number luminaires = 8
kw all locations = 0.1
- 33W LED CANOPY LIGHT
candela file 'PPSQL2_P20_30K_XX_FC_T5W_XXX_XXXX_XXXX_EM.ies'
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.900, watts per luminaire = 33
mounting height = 10 ft
number locations = 63, number luminaires = 63
kw all locations = 2.1
- 19W LED BOLLARD
candela file 'BOLPFL20W1500LMV40KBZ.ies'
1 lamp(s) per luminaire, 706 initial lumens per lamp
Light Loss Factor = 0.900, Ballast Factor = 0.992, watts per luminaire = 19
mounting height = 3.6 ft
number locations = 36, number luminaires = 36
kw all locations = 0.7

CALCULATIONS

DRIVE AISLE	WALKWAYS
2048 points	1546 points
HORIZONTAL FOOTCANDLES	HORIZONTAL FOOTCANDLES
Average 1.0	Average 0.6
Maximum 3.8	Maximum 3.8
Minimum 0.2	Minimum 0.0
Avg:Min 4.80	Avg:Min N/A
Max:Min 19.00	Max:Min N/A
Coef Var 0.61	Coef Var 0.81

PHOTOMETRIC CALCULATIONS



WRIGHT
engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION SHEET. FOR INFORMATION ONLY.

PROJECT NAME:
GUNSMOKE
N GUNSMOKE RD & HONEYCUTT RD
PHOTOMETRIC LIGHTING PLAN

WRIGHT ENG.
PROJECT NO: **21158**

DESIGN BY: NAK **PH7**

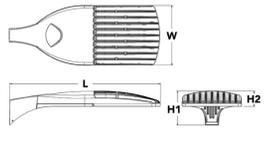
Professional Engineer Seal: 35843 WILSON, J. W. Expires 3-31-22

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D-Series Size 1 LED Area Luminaire

Specifications
EPA: 1.01 ft² (0.09 m²)
Width: 33" (838 mm)
Height H1: 13" (330 mm)
Height H2: 7-1/2" (191 mm)
Weight (max): 27 lbs (12.3 kg)



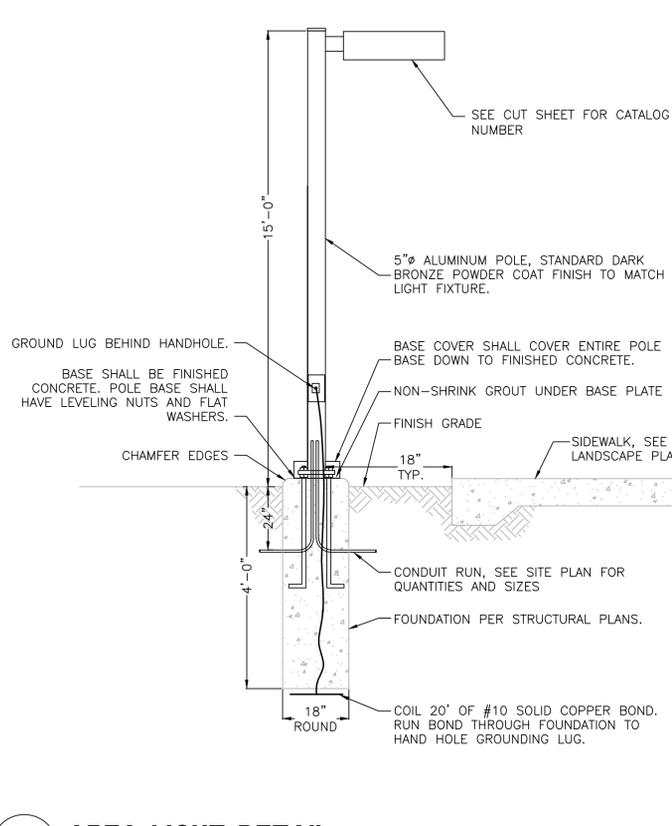
Introduction
 The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficiency, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

1- Capable options indicated by this color background.

Ordering Information

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 P4 P7 P2 P5 P8 P3 P6 P9 Rotate optics P10' P12' P11' P13'	30K 4000K 40K 4000K 50K 5000K	T1S Type I short T2S Type II short T3M Type III medium T5S Type III short T7M Type III medium T4M Type IV medium T7TM Forward throw medium	120V 208V 240V 277V 347V 480V	Shipped included EPA Square pole mounting RPA Round pole mounting WRA Wall bracket SPUMBA Square pole universal mounting adapter RPUMBA Round pole universal mounting adapter Shipped separately KMAR DDBXD Must arm mounting bracket adapter (specify finish)
Control options					
Shipped installed					
DSX1 LED					

Performance Data		Lumen Output	
Forward Optics		Lumen Output	
LED Count	Power Factor	30K (3000K, 70 CRI)	40K (4000K, 70 CRI)
30	510	P1	51W
30	700	P2	70W
30	1050	P3	105W
30	1250	P4	125W
30	1400	P5	140W



1A - POLE-MOUNTED AREA LIGHT

Parkpak® LED

Mechanical

- Heavy grade A360 cast aluminum coupled with a rigorous 5-stage pretreatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray.
- Mounts to a standard junction box
- Provides a wired kit for pendant mount applications that is secured to a 4 inch square electrical box
- Wet location listed
- IP66 rating
- N° threaded plug (N° - 14 NPT) on each side, accepts N° and 1" conduit.
- Wiring rating for surface mount: 3G
- Wiring rating for pendant mount: 3G at 1.5 feet, excludes wired kit
- Pendant mount: N° - 14 NPT in center of housing
- Field adjustable (necessary)

Electrical

- Electrical harness for quick and safe disconnect / connect of power and options
- Rated for -40°F to 140°F minimum ambient
- Programmable electronic driver with 0-10V control leads
- Standard: 3000K, 4000K and 5000K CCT (>70 CRI)
- Optional: 90 CRI, 8 week lead-time
- Internal mounted emergency battery backup for operation in an ambient temperature ranging from -20°C / -4°F to 50°C / 122°F for 10 hrs (P4 performance packages, non-CEC compliant)
- All surge protection meets ANSI/IEEE E62.41.2 10kV/100A
- Standard surge protection is 20kV/10kA with indicator light per ANSI C136.2
- Optional surge protection is 10kV/5kA per ANSI C136.2
- The emergency battery option surge protection is 10kV/5kA per ANSI C136.2

Optical

- The light engine shall be IP66
- Type V: (entry), M (medium), R (rectangle) & W (wide)
- Asymmetric

Optical Material Options

- Boronized glass lens (GL)
- Polycarbonate lens (P)
- Zero uplight option (FC)

Controls

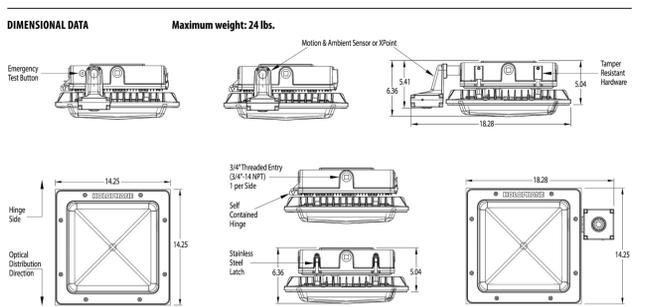
- Field adjustable output
- Button style photocell
- Xpilot™ Wireless control
- Motion Sensor / Ambient Photocell with mounting options ranging from (8'-15') and (15'-30')
- Title 24 compliance options available

Certification and Standards

- Luminaire in USA listed, US and Canada
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designs in C-UL listed, UL and Canada
- The qualified LED Luminaire Maintenance shall be based only on ESM-08-08 and TM-21

Warranty

- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions
- Note: Actual performance may differ as a result of end-user environment and application.
- All values are design or typical values, measured under laboratory conditions at 25 °C.
- Specifications subject to change without notice.



LED Package	Distribution	System Watts	Demarcate Class Lens (GL)						Polycarbonate Lens (P)						Zero Uplight (FC)															
			30K (3000K, 70 CRI)	40K (4000K, 70 CRI)	50K (5000K, 70 CRI)	30K (3000K, 70 CRI)	40K (4000K, 70 CRI)	50K (5000K, 70 CRI)	30K (3000K, 70 CRI)	40K (4000K, 70 CRI)	50K (5000K, 70 CRI)	30K (3000K, 70 CRI)	40K (4000K, 70 CRI)	50K (5000K, 70 CRI)																
TSE	25	2,273	111	1	2	1	2,867	119	1	2	1	2,622	105	1	1	2,828	117	2	0	3,132	125	2	0	0						
TSR	25	2,589	104	1	3	1	2,270	111	1	3	1	2,327	95	1	3	2,498	100	1	3	2,899	116	2	0	1	3,102	124	2	0	1	
TSM	25	2,204	100	1	3	1	2,679	107	1	3	1	2,280	91	1	3	2,240	96	1	3	2,843	114	2	0	1	3,042	121	2	0	1	
TSR	33	3,213	97	2	3	2	3,435	104	2	3	2	2,905	88	1	3	2,310	94	1	3	3,252	108	3	0	3	3,825	116	3	0	3	
ASR	33	3,214	97	1	3	2	3,439	104	1	3	2	2,915	88	1	3	2,319	95	1	3	3,254	106	1	0	1	3,260	114	1	0	1	
TSE	42	4,123	103	2	2	1	4,625	110	2	2	1	4,089	97	2	2	4,375	104	2	2	4,568	109	2	0	2	4,885	116	2	0	2	
TSR	42	4,636	96	2	3	2	4,319	103	2	3	2	3,620	86	2	3	3,382	92	2	3	4,579	106	3	0	3	4,836	113	3	0	3	
TSM	42	3,900	95	2	3	2	4,377	99	2	3	2	3,555	88	2	3	3,284	91	2	3	4,420	106	3	0	3	4,743	113	3	0	3	
ASR	42	3,877	92	2	3	2	4,140	96	2	3	2	3,504	84	2	3	3,254	89	2	3	4,317	103	3	0	3	4,620	110	3	0	3	
ASR	42	3,882	92	1	3	2	4,154	99	1	3	2	3,521	84	1	3	3,267	90	1	3	4,244	101	1	0	1	4,541	108	1	0	1	
TSE	51	4,991	98	2	2	1	5,340	105	2	2	1	4,721	95	2	2	5,051	99	2	2	5,271	103	2	0	2	5,640	111	2	0	2	
TSR	51	4,460	91	2	3	2	4,987	98	2	3	2	4,199	82	2	3	4,282	88	2	3	5,270	102	3	0	3	5,580	109	3	0	3	
TSM	51	4,407	88	2	3	2	4,822	95	2	3	2	4,051	80	2	3	4,282	86	2	3	5,138	100	3	0	3	5,476	107	3	0	3	
ASR	51	4,477	88	2	3	3	4,790	94	2	3	3	4,051	79	2	3	4,334	85	2	3	5,062	100	3	0	3	5,375	106	3	0	3	
ASR	51	4,482	88	1	3	2	4,796	94	1	3	2	4,065	80	1	3	4,349	85	1	3	5,140	96	1	0	1	5,243	103	1	0	1	
TSE	55	6,166	112	2	2	1	6,598	120	2	2	1	5,876	107	2	2	1	6,287	114	2	2	6,834	124	3	0	3	7,312	131	3	0	3
TSR	55	5,989	109	2	3	2	6,480	117	2	3	2	5,805	98	2	3	5,783	105	2	3	6,860	125	3	0	3	7,246	134	3	0	3	
TSM	55	5,643	106	3	3	2	6,252	114	3	3	2	5,211	95	2	3	5,576	101	2	3	6,682	121	3	0	3	7,150	130	3	0	3	
ASR	55	5,601	102	3	3	3	5,993	109	3	3	3	5,040	92	3	3	5,393	98	3	3	6,462	117	3	0	3	6,915	126	3	0	3	
ASR	55	5,564	101	1	3	2	5,953	108	1	3	2	4,961	90	1	3	5,308	97	1	3	6,293	116	1	0	1	6,640	124	1	0	1	
TSE	66	7,094	107	2	2	1	7,591	115	2	2	1	6,761	102	2	2	1	7,234	110	2	2	7,862	119	3	0	3	8,413	127	3	0	3
TSR	66	6,490	104	3	3	2	7,375	112	3	3	2	6,279	94	2	3	6,654	101	3	3	7,899	120	3	0	3	8,452	128	3	0	3	
TSM	66	6,213	102	3	3	3	7,094	109	3	3	3	5,986	91	2	3	6,456	97	3	3	7,688	116	3	0	3	8,226	125	3	0	3	
ASR	66	6,445	98	3	3	3	6,896	104	3	3	3	5,799	88	2	3	6,205	94	3	3	7,485	113	3	0	3	7,995	123	3	0	3	
ASR	66	6,401	97	1	3	2	6,840	104	1	3	2	5,768	86	1	3	6,107	93	1	3	7,355	111	1	0	1	7,819	119	1	0	1	
TSE	80	8,251	103	3	2	1	8,828	110	3	2	1	7,863	98	2	2	1	8,413	105	3	2	9,144	114	3	0	3	9,284	122	3	0	3
TSR	80	8,013	100	3	3	2	8,574	107	3	3	2	7,233	90	3	3	7,739	97	3	3	8,786	115	3	0	3	9,029	123	3	0	3	
TSM	80	7,819	98	3	3	3	8,366	104	3	3	3	7,061	87	3	3	7,561	94	3	3	8,541	112	4	0	4	8,957	120	4	0	4	
ASR	80	7,895	94	3	3	3	8,020	100	3	3	3	6,744	84	3	3	7,216	90	3	3	8,647	108	3	0	3	8,925	114	4	0	4	
ASR	80	7,845	93	2	3	2	7,866	100	2	3	2	6,638	83	1	3	7,103	89	1	3	8,554	107	1	0	1	8,935	114	2	0	2	
TSE	96	9,466	99	3	2	1	10,128	106	3	2	1	9,021	94	2	2	1	9,652	101	3	2	10,491	109	3	0	3	11,225	117	3	0	3
TSR	96	9,193	96	3	2	1	9,837	102	3	2	1	8,298	86	3	3	8,878	92	3	3	10,559	110	4	0	4	11,277	117	4	0	4	
TSM	96	8,871	93	3	3	3	9,596	100	3	3	3	8,000	81	3	3	8,580	87	3	3	10,287	107	4	0	4	10,681	114	4	0	4	
ASR	96	8,599	90	3	3	3	9,261	96	3	3	3	7,727	81	3	3	8,279	86	3	3	9,933	103	4	0	4	10,615	111	4	0	4	
ASR	96	8,541	89	2	3	3	9,139	95	2	3	3	7,616	79	2	3	8,149	85	2	3	9,814	102	2	0	2	10,501	109	2	0	2</	



CATALOG#: _____
PROJECT: _____
TYPE: _____

Series BOLPFL/BOLPFO

LED Commercial Grade Bollard

Attractive, heavy-duty Series BOLPFL and BOLPFO bollards feature aluminum construction housings that provide corrosion and vandal resistance. They are ideal for lighting pedestrian walkways, as well as accenting the exterior grounds of office and apartment buildings, hotel and parks. A solid foundation withstands the elements. LED driver options exist to function in even the worst weather conditions.

CONSTRUCTION

LED compartment is airtight to prevent fogging and condensation build up and keep water out. Aluminum reflector designed to reduce glare and produce an even distribution. Extruded aluminum tube provides strength as well as protects and conceals the component wiring. Clear UV resistant polycarbonate lens allows for optimal light transmission and protects the light engine compartment from harsh environments.



DIMENSIONS

Diameter: 5.74"
Height: 42"

FEATURES & BENEFITS

- Extruded aluminum alloy housing
- Standard 4KV surge
- High-impact polycarbonate diffuser
- UV stabilized powder coated finish in standard bronze
- Anodized aluminum reflector option
- UL and CUL listed for wet locations
- Multiple color temperatures (4000K, 5000K)
- Working temperature: -40C ~ + 50C
- 5 Year Warranty



CATALOG#: _____
PROJECT: _____
TYPE: _____

Series BOLPFL/ BOLPFO

LED Commercial Grade Bollard

CONSTRUCTION

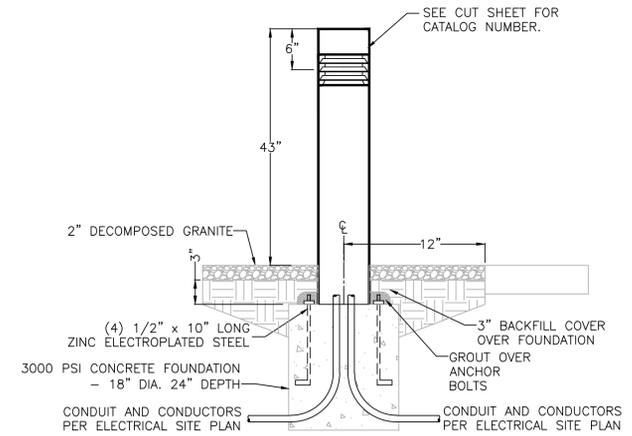


ORDERING INFORMATION

ITEM NUMBER	DESCRIPTION
BOLPFL20W1500LMV40KRBZ	LED Flat Top Bollard with Louver / 5.74" Dia x 42"H / 20W, 1500L / 120-277V / 4000K / Bronze
BOLPFL20W1500LMV50KRBZ	LED Flat Top Bollard with Louver / 5.74" Dia x 42"H / 20W, 1500L / 120-277V / 5000K / Bronze
BOLPFO20W2000LMV40KRBZ	LED Flat Top Bollard with Round Lens / 5.74" Dia x 42"H / 20W, 2000L / 120-277V / 4000K / Bronze
BOLPFO20W2000LMV50KRBZ	LED Flat Top Bollard with Round Lens / 5.74" Dia x 42"H / 20W, 2000L / 120-277V / 5000K / Bronze

2055 Luna Road Suite 142 | Carrollton, TX 75006
T 214.884.1150 | F 972.247.0200 | sales@saylite.com

REV 04/14/2020



3B BOLLARD LIGHT DETAIL

NO SCALE

2055 Luna Road Suite 142 | Carrollton, TX 75006
T 214.884.1150 | F 972.247.0200 | sales@saylite.com

REV 04/14/2020

3A - BOLLARD LIGHT

Project Name:	Type:
Part Number:	Date:



Value Select A Lamp Family

FEATURES

- Suitable to replace 40W, 60W, 75W, 100W incandescent
- Comfortable diffused light
- Smooth dimming with existing dimmers*
- Suitable for use in damp locations
- Operating temperature: -4°F / -20°C to +95°F / +35°C
- Rated Lifetime (L70): 25,000hrs
- 3 year limited warranty



Product	Model	Equiv. (W)	Wattage (W)	CCT	Lumens (lm)	Efficacy (lm/W)	Input Voltage (V)	Beam Angle	CRI	Dim.*	Power Factor	Base	Fixture Rating	Lifetime (hrs)	Cert.
97985	8A19DIM/827/R	40W	6	2700K	480	80	120V	220°	82	Yes	0.9	E26	Non-Enclosed	25,000	ES
97986	8A19DIM/830/R	40W	6	3000K	480	80	120V	220°	82	Yes	0.9	E26	Non-Enclosed	25,000	ES
98011	8A19DIM/827/R	60W	8	2700K	800	100	120V	220°	82	Yes	0.9	E26	Non-Enclosed	25,000	ES
98012	8A19DIM/830/R	60W	8	3000K	800	100	120V	220°	82	Yes	0.9	E26	Non-Enclosed	25,000	ES
98013	8A19DIM/840/R	60W	8	4000K	800	100	120V	220°	82	Yes	0.9	E26	Non-Enclosed	25,000	ES
97908	9A19DIM/827/GU24/R	60W	9	2700K	800	89	120V	240°	82	Yes	0.9	GU24	Enclosed	25,000	ES
97909	9A19DIM/830/GU24/R	60W	9	3000K	820	91	120V	240°	82	Yes	0.9	GU24	Enclosed	25,000	ES
97910	9A19DIM/840/GU24/R	60W	9	4000K	860	96	120V	240°	82	Yes	0.9	GU24	Enclosed	25,000	ES
98138	11A19DIM/827	75W	11	2700K	1100	100	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98139	11A19DIM/830	75W	11	3000K	1150	105	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98140	11A19DIM/840	75W	11	4000K	1200	109	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98144	15A21DIM/827	100W	15	2700K	1600	107	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98145	15A21DIM/830	100W	15	3000K	1650	110	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98146	15A21DIM/840	100W	15	4000K	1700	113	120V	240°	82	Yes	0.9	E26	Enclosed	25,000	ES
98150	15A21DIM/827/GU24	100W	15	2700K	1600	107	120V	240°	82	Yes	0.9	GU24	Enclosed	25,000	ES
98083	14A19/827/3WAY	40W 60W 100W	4 8 14	2700K	500 1000 1500	125 125 107	120V	230°	82	No	0.9	E26d	Non-Enclosed	15,000	ES

* This lamp might not be compatible with all dimmers. Please visit www.greencreative.com for compatibility information.

www.greencreative.com / info@greencreative.com - Tel / Fax: (866) 774-5433 - f / GREENCREATIVELED / GClightingLED / GREEN-CREATIVE

4 - GENERIC PORCH LIGHT

SPECIFICATIONS

Certifications/Qualifications

www.kichler.com/warranty

Dimensions

Base Backplate	5.00 DIA
Extension	5.75"
Weight	1.05 LBS
Height from center of Wall opening (Spec Sheet)	5.25"
Height	8.25"
Width	5.00"

Light Source

Lamp Included	Not Included
Lamp Type	A19
Light Source	Incandescent
Max or Nominal Watt	60W
# of Bulbs/LED Modules	1
Socket Type	Medium
Socket Wire	105

Mounting/Installation

Interior/Exterior	Exterior
Location Rating	Wet
Mounting Style	Wall Mount

FIXTURE ATTRIBUTES

Housing

Diffuser Description	Clear
Primary Material	ALUMINUM

Product/Ordering Information

SKU	9611BK
Finish	Black
Style	Traditional
UPC	783927961158

Finish Options

- Black
- Olive Bronze
- Stainless Steel
- Tannery Bronze



ALSO IN THIS FAMILY

WRIGHT
engineering corporation

ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807

PHOTOMETRIC CALCULATION SHEET. FOR INFORMATION ONLY.

PROJECT NAME:
GUNSMOKE
N GUNSMOKE RD & HONEYCUTT RD
PHOTOMETRIC LIGHTING PLAN

WRIGHT ENG.
PROJECT NO: **21158**

DESIGN BY: NAK **PH9**

Arizona Professional Engineer Seal
35843
WADE T. WILLIAMS
Date Signed: 6-14-22
Expires: 3-31-22

