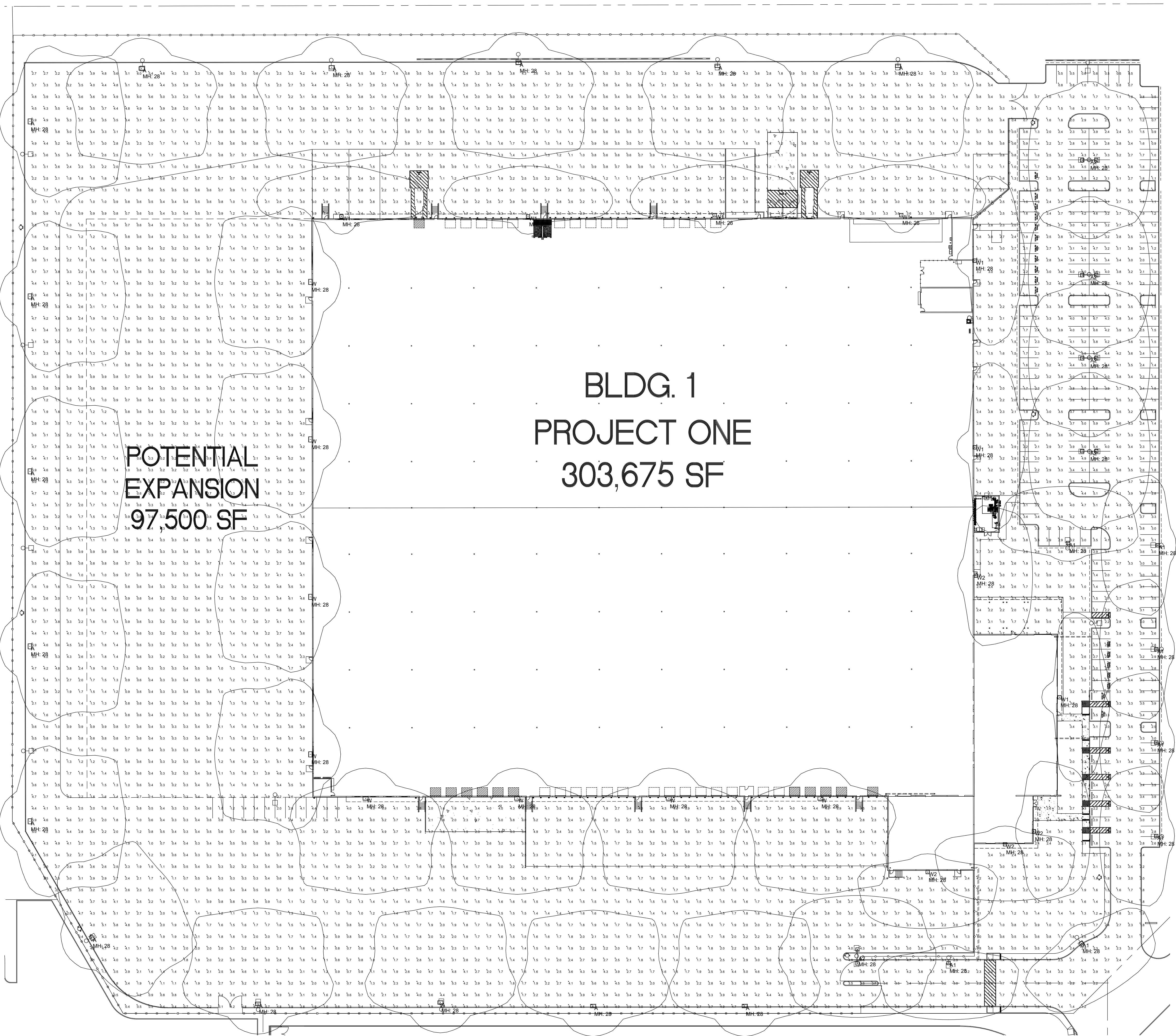
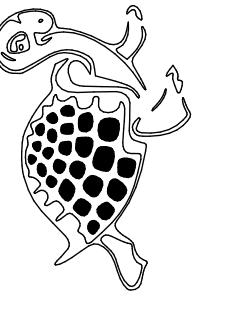


PC Exhibit G

TURTLE & HUGHES, INC. FIRST IN THE LONG RUN
ELECTRICAL & INDUSTRIAL DISTRIBUTOR
 1550 S. MILLIKEN AVE. SUITE F, ONTARIO, CA 91761
 P: 909.218.8644 F: 909.218.8637



**BLDG. 1
 PROJECT ONE
 303,675 SF**

**POTENTIAL
 EXPANSION
 97,500 SF**

DESCRIPTION
 The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/CUL Listed for wet locations.

SPECIFICATION FEATURES

Construction
 Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy wall, die-cast aluminum and caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
 Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (±275K CCT) 70 CRI. Optional 5000K, 6000K and 8000K CCT.

Electrical
 LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz; 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 150V of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 80% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 800mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT:
 Extruded aluminum arm includes internal ball joints allowing for easy positioning of fixture during installation. When mounting two or more luminaires at 90° and 120° apart, the EA expanded arm may be required. Refer to the arm mounting requirement table.

Finish
 Housing finished in super durable TGIC polyester powder coat paint. 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. DIAL and custom color matches available.

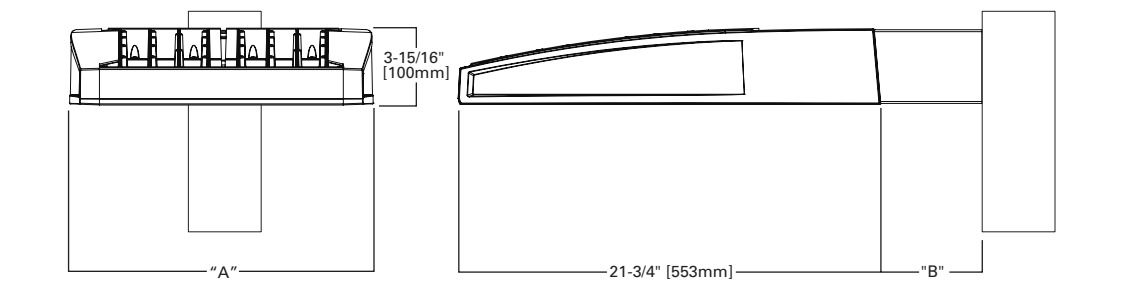
Warranty
 Five-year warranty.

McGraw-Edison

Catalog #	Type
Project	Date
Comments	
Prepared by	

GLEON GALLEON LED
 1-10 Light Squares
 Solid State LED
 AREA/SITE LUMINAIRE

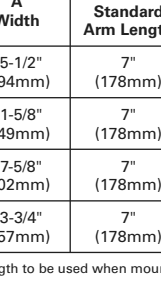
DIMENSIONS



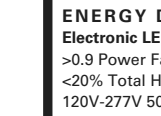
DIMENSION DATA

Number of Light Squares	1" Width	2" Standard Arm Length	3" Optional Arm Length	Weight with Arm (lbs.)	IPK with Arm (1/2 in.)
1-4	15.12" (381mm)	17.75" (450mm)	19" (483mm)	33 (15.0 kgs.)	0.96
5-6	21.65" (550mm)	17" (427mm)	19" (483mm)	44 (20.0 kgs.)	1.00
7-8	27.68" (703mm)	17" (427mm)	19" (483mm)	54 (24.5 kgs.)	1.07
9-10	33.94" (863mm)	17" (427mm)	19" (483mm)	65 (29.5 kgs.)	1.12

DILLING PATTERN



CERTIFICATION DATA
 DLC ETL Listed Luminaire
 IES E-101
 IES E-102
 IES E-103
 IES E-104
 IES E-105
 IES E-106
 IES E-107
 IES E-108
 IES E-109
 IES E-110
 IES E-111
 IES E-112
 IES E-113
 IES E-114
 IES E-115
 IES E-116
 IES E-117
 IES E-118
 IES E-119
 IES E-120



ENERGY DATA
 Electronic LED Driver
 0.9 Power Factor
 120V-277V 50/60Hz
 347V & 480V 60Hz
 40°C Min. Temperature
 50°C Max. Temperature
 50°C Max. Temperature (HA Option)

Symbol	Qty	Label	Arrangement	Description
□	15	A	SINGLE	McGraw Edison - GLEON-AF-06-LED-E1-T4FT
□	7	A1	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T3
□	5	A2	D180	McGraw Edison - GLEON-AF-03-LED-E1-T3
□	8	W1	SINGLE	McGraw Edison - GLEON-AF-06-LED-E1-T4FT
□	7	W1	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T2
□	4	W2	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T3

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site			2.15	6.7	0.2	10.75	33.50

NOTE 1 - (NATIONAL ACCOUNT) FIXTURE PACKAGE PRICING PROVIDED BY TURTLE AND HUGHES. PLEASE CONTACT (909) 218-8644 OR EMAIL JESSICA.FISHEL@TURTLE.COM FOR FIXTURE AND CONTROLS PRICING

1 PhotoMetric Plan
 SCALE: 1" = 40'

Print Record

No.	Date	By	Check

Revision Record

No.	Date	By	Check
1	6/22/16		

Turtle & Hughes
 1551 S. Milliken Ste. F
 Ontario, CA 91761

Roseville 80
 Building 1

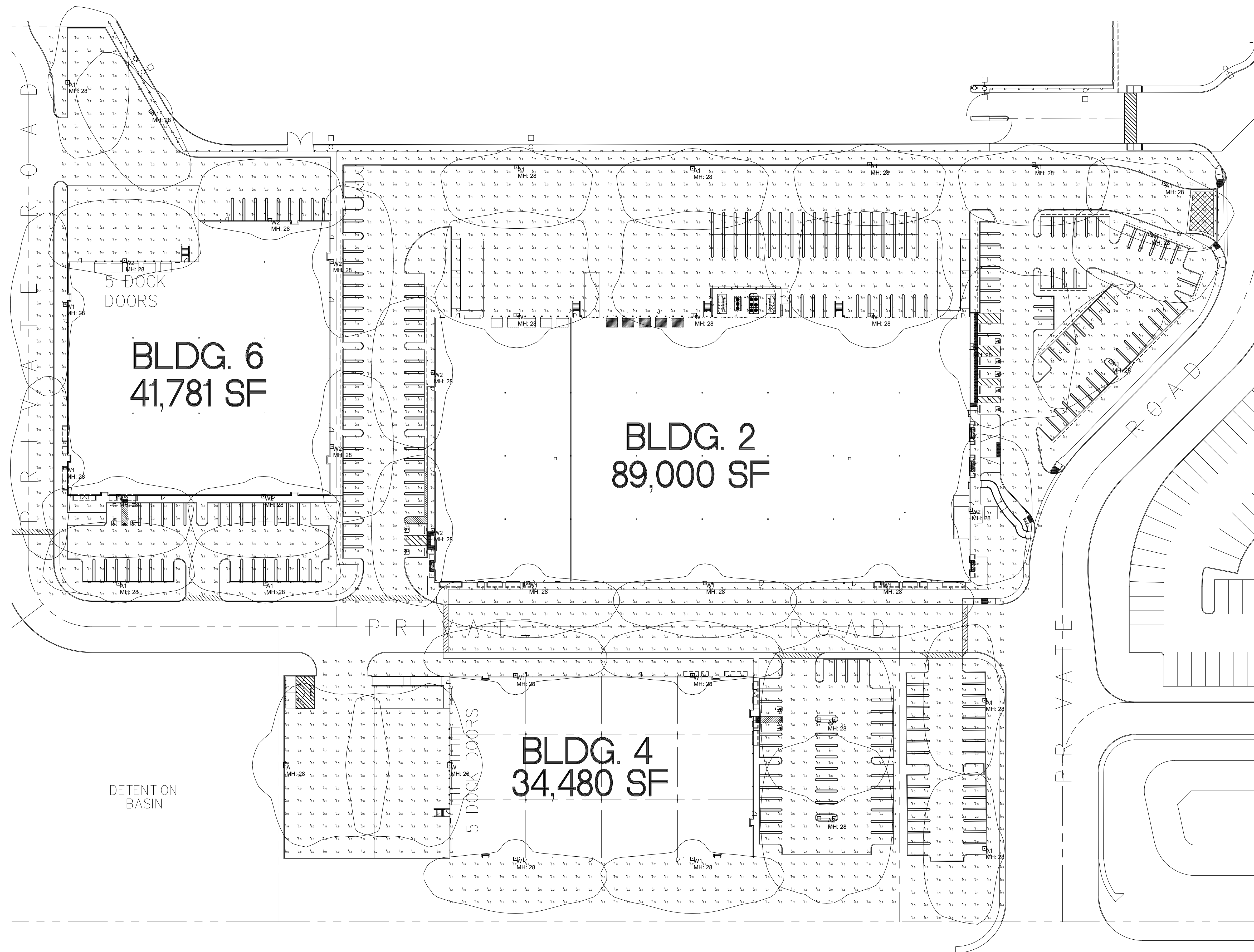
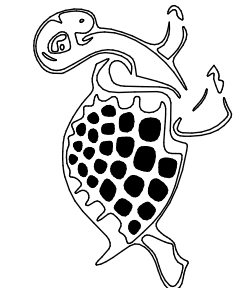
Date: 10/29/2019
 Project No.:
 Sheet Title:
PHOTOMETRIC PLAN
 Sheet No.:

P-SL-1

Released for Construction
 Not Released for Construction

PC Exhibit G

TURTLE & HUGHES, INC. FIRST IN THE LONG RUN
ELECTRICAL & INDUSTRIAL DISTRIBUTOR
1550 S. MILLIKEN AVE., SUITE F, ONTARIO, CA 91761
P: 909.218.8644 F: 909.218.8637



BLDG. 6
41,781 SF

BLDG. 2
89,000 SF

BLDG. 4
34,480 SF

DETENTION BASIN

Luminaire Schedule Symbol	Qty	Label	Arrangement	Description
□	9	W2	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T3
□	9	W1	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T2
□	5	W	SINGLE	McGraw Edison - GLEON-AF-06-LED-E1-T4FT
□	2	A2	D180	McGraw Edison - GLEON-AF-03-LED-E1-T3
□	13	A1	SINGLE	McGraw Edison - GLEON-AF-03-LED-E1-T3
□	1	A	SINGLE	McGraw Edison - GLEON-AF-06-LED-E1-T4FT

Calculation Summary Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Bldg 2	Illuminance	Fc	2.19	6.2	0.4	5.48	15.50
Bldg 4	Illuminance	Fc	2.57	6.6	0.5	5.14	13.20
Bldg 6	Illuminance	Fc	2.52	4.5	0.5	5.04	9.00

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/CUL Listed for wet locations.

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy wall, die-cast aluminum and caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides stability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (L: 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 150V of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 80% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 800mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal both quizes allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA expanded arm may be required. Refer to the arm mounting requirement table.

Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into slots on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1.12" to 4.78". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic, DALI, and custom color matches available.

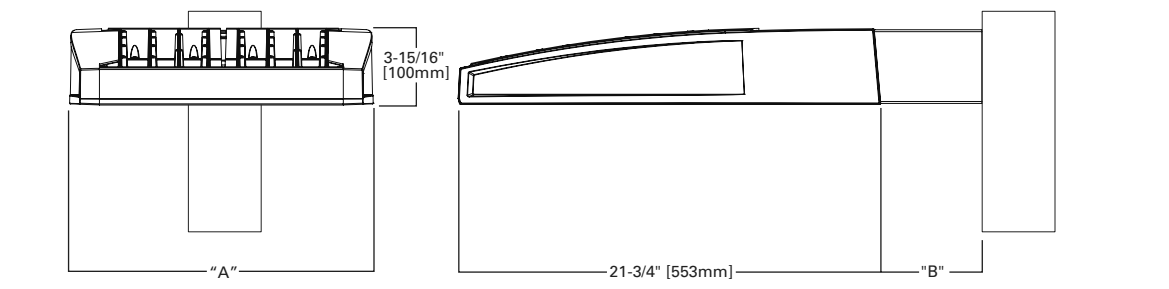
Warranty
Five-year warranty.

McGraw-Edison

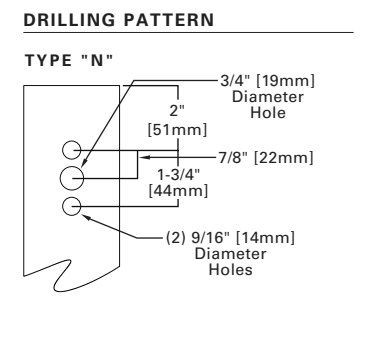
Catalog #	Type
Project	Date
Comments	
Prepared by	

GLEON
GALLEON LED
1-10 Light Squares
Solid State LED
AREA/SITE LUMINAIRE

DIMENSIONS



Number of Light Squares	1" Width	2" Standard Arm Length	3" Optional Arm Length	Weight with Arm (lbs.)	IPK with Arm 1 (lm/ft²)
1-4	15.12" (383mm)	17.00" (430mm)	19" (483mm)	33 (15.0 kg.)	0.96
5-6	21.68" (550mm)	17" (430mm)	19" (483mm)	44 (20.0 kg.)	1.00
7-8	23.68" (600mm)	17" (430mm)	19" (483mm)	54 (24.5 kg.)	1.07
9-10	25.36" (645mm)	17" (430mm)	19" (483mm)	63 (28.5 kg.)	1.12



CERTIFICATION DATA
E1000, Not Location Listed
IEC 60598
DALI LAMP Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium™ Qualified

ENERGY DATA
Electronics LED Driver
0.9 Power Factor
120V-277V 50/60Hz
240V & 480V 60Hz
40°C Min. Temperature
50°C Max. Temperature
50°C Max. Temperature (HA Option)



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1 PhotoMetric Plan

SCALE: 1" = 40'

NOTE 1 - (NATIONAL ACCOUNT) FIXTURE PACKAGE PRICING PROVIDED BY TURTLE AND HUGHES
PLEASE CONTACT (909) 218-8644 OR EMAIL
JESSICA.FISHEL@TURTLE.COM FOR FIXTURE AND CONTROLS PRICING

Print Record

No.	Date	Description

Revision Record

No.	Date	Owner	Revision
1	6/22/16		

Turtle & Hughes
1551 S. Milliken Ste. F
Ontario, CA 91761

Roseville 80
Building 2,4,6

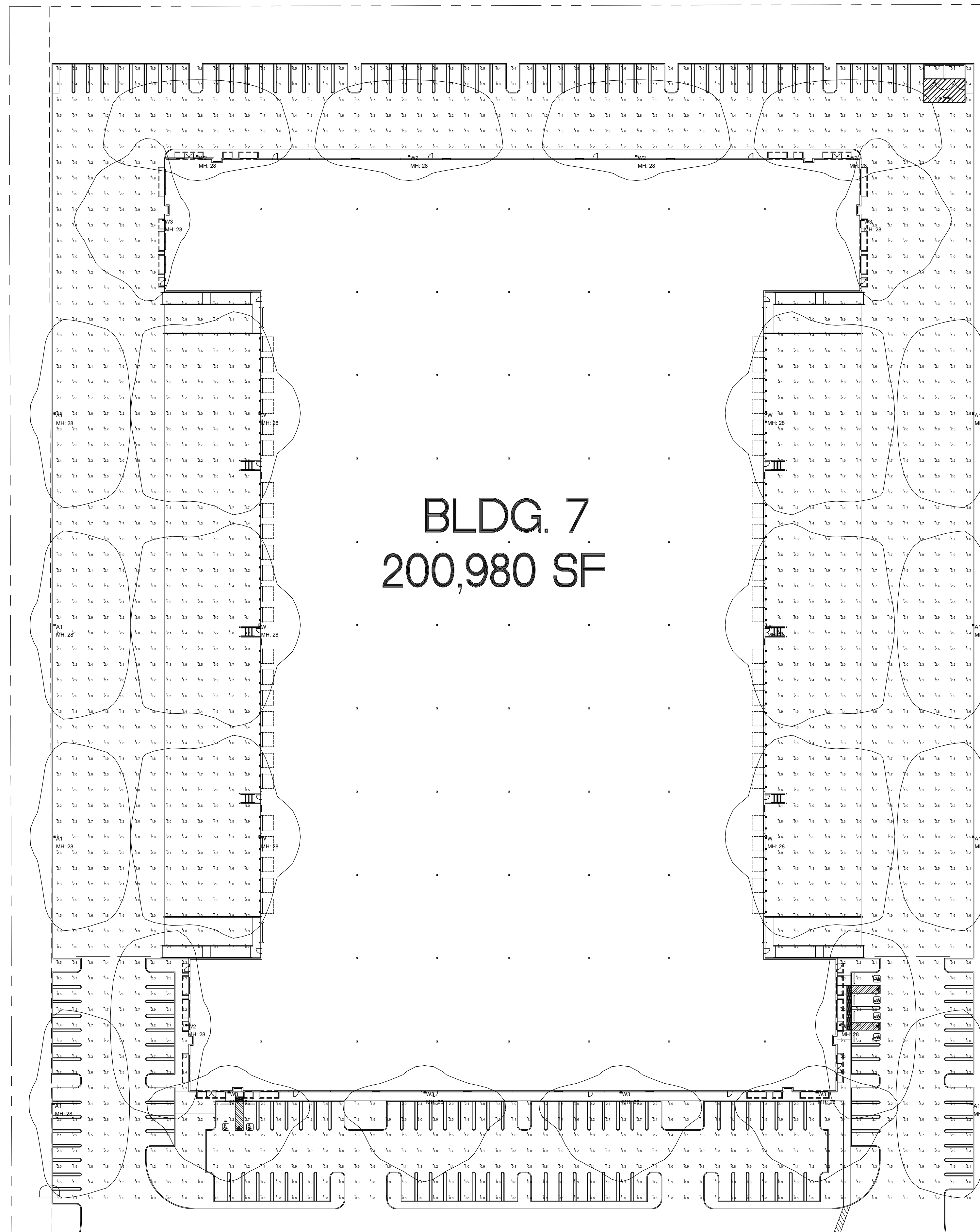
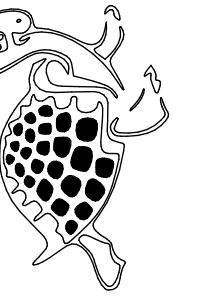
Date 10/29/2019
Project No.
Sheet Title
PHOTOMETRIC PLAN
Sheet No.

P-SL-1

Released for Construction
Not Released for Construction

PC Exhibit G

TURTLE & HUGHES, INC. FIRST IN THE LONG RUN
ELECTRICAL & INDUSTRIAL DISTRIBUTOR
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 P: 909.218.8644 F: 909.218.8637



BLDG. 7
200,980 SF

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	Description
[Symbol]	8	A1	SINGLE	N.A.	McGraw Edison - GLEON-AF-03-LED-E1-T3
[Symbol]	6	W	SINGLE	N.A.	McGraw Edison - GLEON-AF-06-LED-E1-T4FT
[Symbol]	6	W2	SINGLE	N.A.	McGraw Edison - GLEON-AF-03-LED-E1-T3
[Symbol]	6	W3	SINGLE	N.A.	McGraw Edison - GLEON-AF-03-LED-E1-T4FT

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	1.89	6.1	0.2	9.45	30.50

1 PhotoMetric Plan
 SCALE: 1" = 40'

DESCRIPTION
 The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/CUL Listed for wet locations.

SPECIFICATION FEATURES

Construction
 Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy wall, die-cast aluminum and caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional hoodless hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
 Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (±279K CCT 70 CRI), Optional 3000K, 5000K and 6000K CCT.

Electrical
 LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 150V of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 80% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 800mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT:
 Extruded aluminum arm includes internal ball joints allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA expanded arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **CLICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into slots on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1.12" to 4.75". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
 Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic, DALI, and custom color matches available.

Warranty
 Five-year warranty.

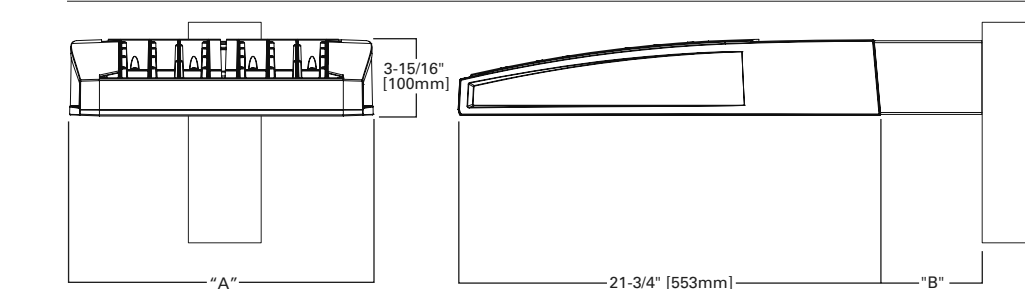
McGraw-Edison

Catalog #	Type
Project	Date
Comments	
Prepared by	

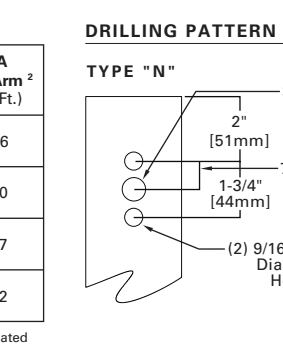


GLEON LED
 1-10 Light Squares
 Solid State LED
 AREA/SITE LUMINAIRE

DIMENSIONS



Number of Light Squares	1" Width	2" Standard Arm Length	3" Optional Arm Length	Weight with Arm (kg)	EPK with Arm (Sq. Ft.)
1-4	15.12" (383mm)	178mm	10" (254mm)	33 (73.0 kgs.)	0.96
5-6	21.68" (550mm)	178mm	10" (254mm)	44 (96.9 kgs.)	1.00
7-8	23.68" (597mm)	178mm	10" (254mm)	54 (118.0 kgs.)	1.07
9-10	25.36" (644mm)	178mm	10" (254mm)	63 (138.8 kgs.)	1.12



CERTIFICATION DATA
 DLC ETL Listed
 IEC 60598-1 Compliant
 3G Vibration Rated
 IP66 Rated
 DesignLights Consortium™ Qualified*

ENERGY DATA
 Electronic LED Driver
 0.9 Power Factor
 120V-277V 50/60Hz
 247V & 480V 60Hz
 40°C Min. Temperature
 50°C Max. Temperature (9A Option)



*www.designlights.org

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NOTE 1 - (NATIONAL ACCOUNT) FIXTURE PACKAGE PRICING PROVIDED BY TURTLE AND HUGHES. PLEASE CONTACT (909) 218-8644 OR EMAIL JESSICA.FISHEL@TURTLE.COM FOR FIXTURE AND CONTROLS PRICING

Print Record

No.	Date	Description

Revision Record

No.	Date	Owner	Revision
1	6/22/16		

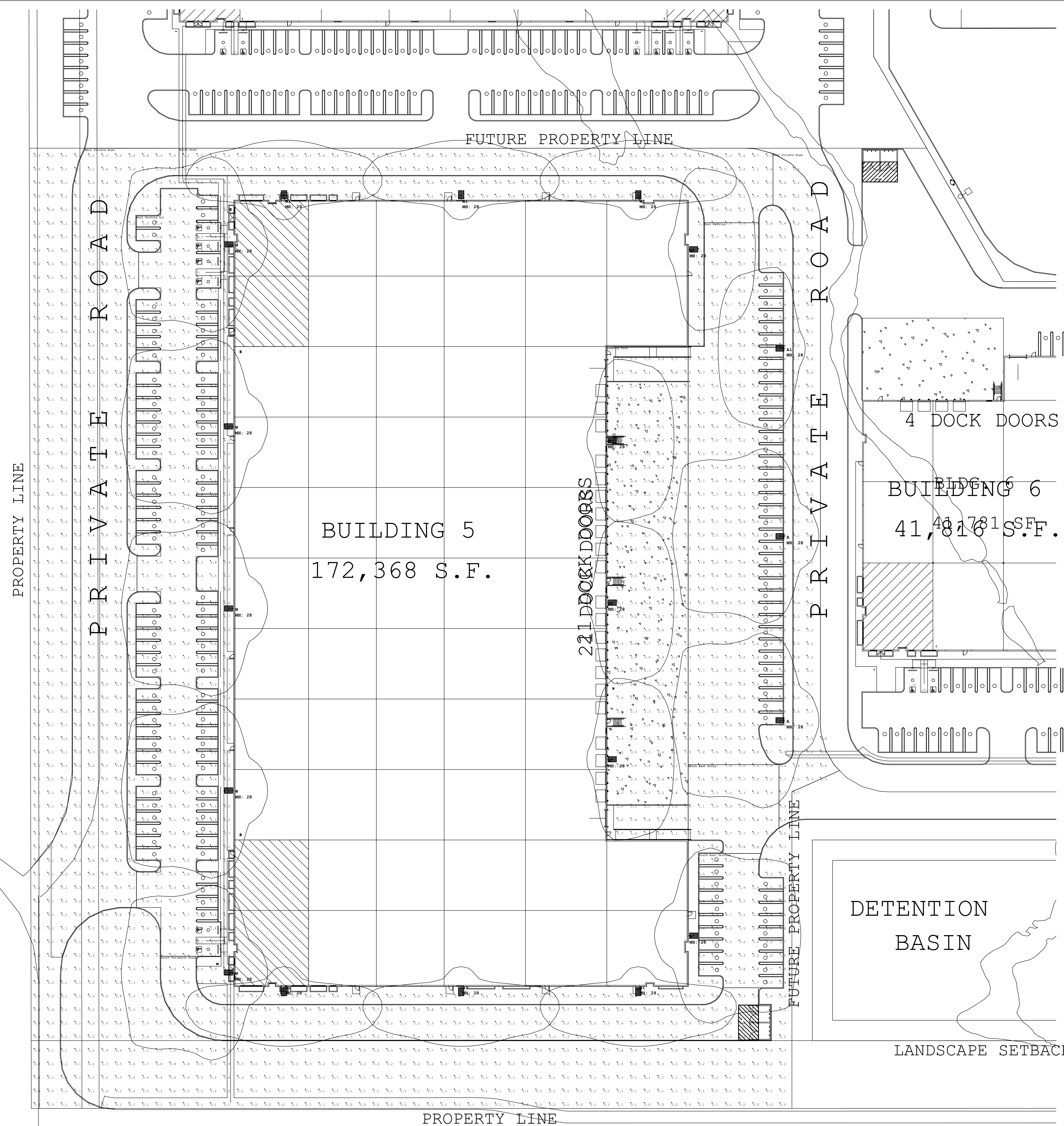
Turtle & Hughes
 1551 S. Milliken Ste. F
 Ontario, CA 91761

Roseville 80
 Building 7

Date: 10/29/2019
 Project No.:
 Sheet Title:
PHOTOMETRIC PLAN
 Sheet No.:

P-SL-1
 Released for Construction
 Not Released for Construction

PC Exhibit G

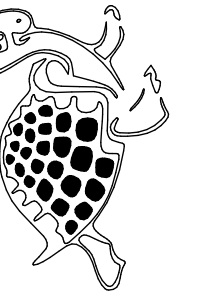


Symbol	Qty	Label	Arrangement	Description	Lum. Watts
A	3	A	SINGLE	Cooper McGraw Edison GLEON-AF-06-LED-E1-T4FT	333
A1	1	A1	SINGLE	Cooper McGraw Edison GLEON-AF-03-LED-E1-T3	166
W	5	W	SINGLE	Cooper McGraw Edison GLEON-AF-06-LED-E1-T4FT	333
W1	6	W1	SINGLE	Cooper McGraw Edison GLEON-AF-03-LED-E1-T2	166
W2	4	W2	SINGLE	Cooper McGraw Edison GLEON-AF-03-LED-E1-T3	166

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	1.59	6.5	0.0	N.A.	N.A.
East Parking	Illuminance	Fc	2.33	5.6	0.7	3.33	8.00
East Private Road	Illuminance	Fc	0.97	4.1	0.1	9.70	41.00
Loading Dock	Illuminance	Fc	2.11	3.3	0.5	4.22	6.60
North Road	Illuminance	Fc	2.05	3.7	0.5	4.10	7.40
South East Entry	Illuminance	Fc	1.13	2.5	0.7	1.61	3.57
South East Parking	Illuminance	Fc	2.55	6.0	1.1	2.32	5.45
South Perimeter Road	Illuminance	Fc	2.43	6.0	0.8	3.04	7.50
West Parking Lot	Illuminance	Fc	2.33	6.2	1.3	1.79	4.77
West Private Road	Illuminance	Fc	0.49	1.5	0.1	4.90	15.00

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1550 S. MILLIKEN AVE. SUITE F, ONTARIO, CA 91761
P: 909.218.8644 F: 909.218.8637



Print Record

Rev	Description	Date

Revision Record

Rev	Description	Date
1	6/22/16	Owner Revision



Turtle & Hughes
1551 S. Milliken Ste. F
Ontario, CA 91761

Roseville 80
Bldg. 5

Date: 5/1/2020 Project No.:
Sheet Title: PHOTOMETRIC PLAN
Sheet No.:

P-SL-1
 Released for Construction
 Not Released for Construction