

architect

associated with

COLORADO SPRINGS POLICE  
DEPT. FIRING RANGE

15905 SNIPER LANE  
FOUNTAIN, CO 80817

Project

Seal

issue / revision    date:

DEVEL. PLAN    08/14/19

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103-01

JVC

MR

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COVER SHEET

\_\_\_\_\_

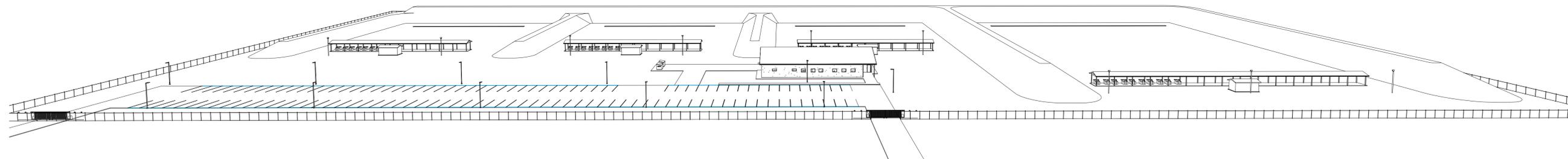
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number

G-001



# COLORADO SPRINGS POLICE DEPT. FIRING RANGE SITE DEVELOPMENT PLAN

## INDEX TO DRAWINGS

- G-001 COVER SHEET
- G-002 GENERAL NOTES & MAPS
- C-101 PRELIMINARY GRADING & EROSION CONTROL PLAN
- C-102 PRELIMINARY UTILITY PLAN
- C-103 CIVIL BERM & EROSION DETAILS
- AS101 ARCHITECTURAL SITE PLANS
- AS102 ENLARGED ARCHITECTURAL SITE PLAN
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- A-102 RANGE CANOPY PLANS
- A-401 SITE ELEVATIONS & SECTIONS
- A-402 EXTERIOR BUILDING ELEVATIONS
- A-403 RANGE CANOPY ELEVATIONS
- E-DP1 LIGHTING PHOTOMETRIC PLAN
- E-DP2 LIGHTING PHOTOMETRIC PLAN
- E-DP3 LIGHTING DETAILS

## PROJECT TEAM



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Fax:  
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department



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Fax: 719-473-7092  
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Jon Dietrich  
115 South Weber Street, #101  
Colorado Springs,  
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Ph: 719-635-4473  
Fax:  
www.mgase.com

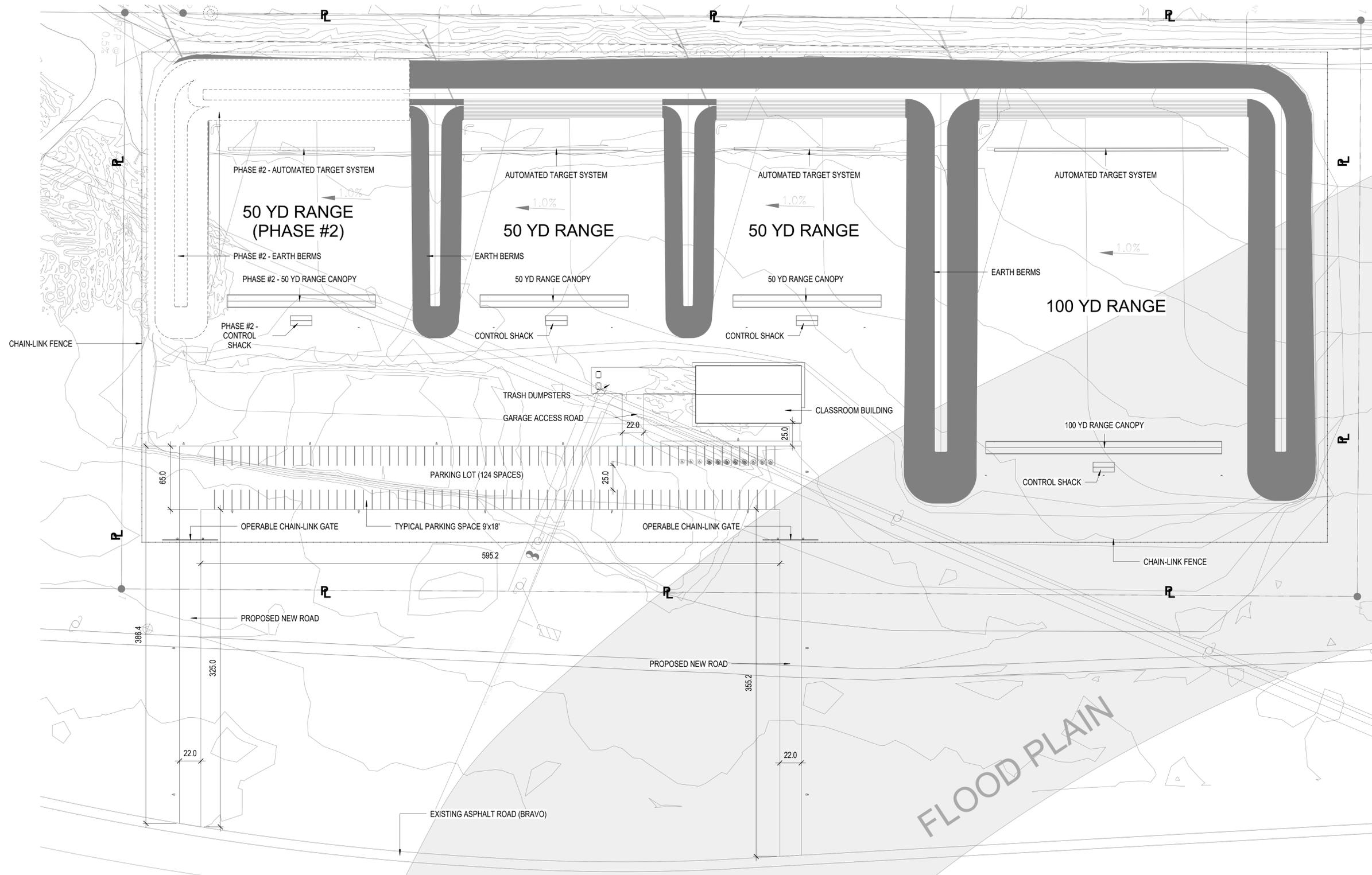












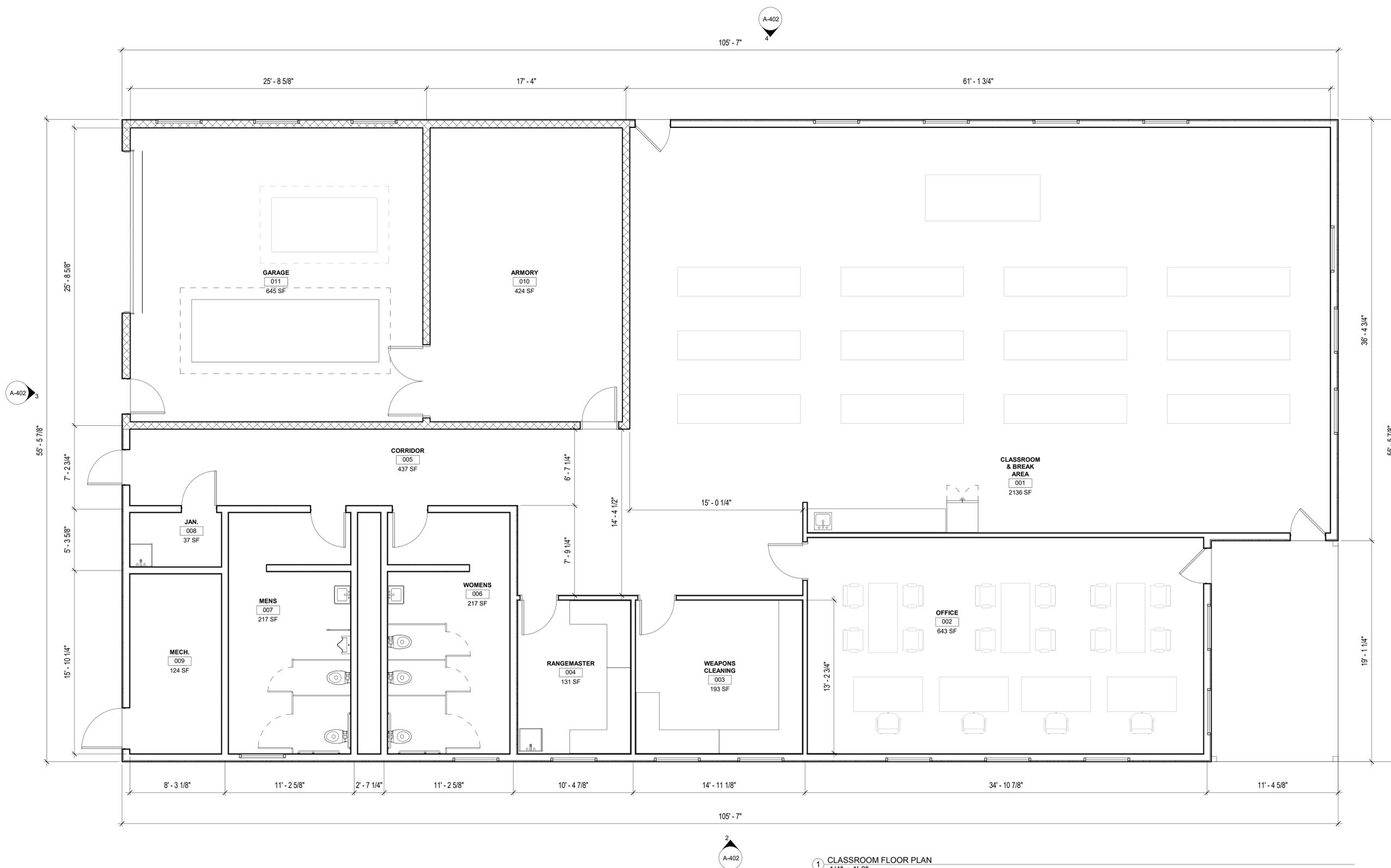
1 ENLARGED FIRING RANGE SITE PLAN  
1" = 50'-0"



Project: COLORADO SPRINGS POLICE DEPT. FIRING RANGE  
 Issue/Revision: DEVEL. PLAN 08/14/19  
 Job #: 103-01  
 Drawn by: JVC  
 Checked by: MR

ENLARGED  
ARCHITECTURAL  
SITE PLAN

AS102



1 CLASSROOM FLOOR PLAN  
1/4" = 1'-0"

architect	HB&A Architecture AND Planning
associated with	COLORADO SPRINGS POLICE DEPT. FIRING RANGE
Project	15905 SNIPER LANE FOUNTAIN, CO 80817
scale	1/4" = 1'-0"
issue / revision	DEVEL. PLAN 08/14/19
job #	103-01
drawn	JVC
checked	MR
description	CLASSROOM FLOOR PLAN
number	A-101



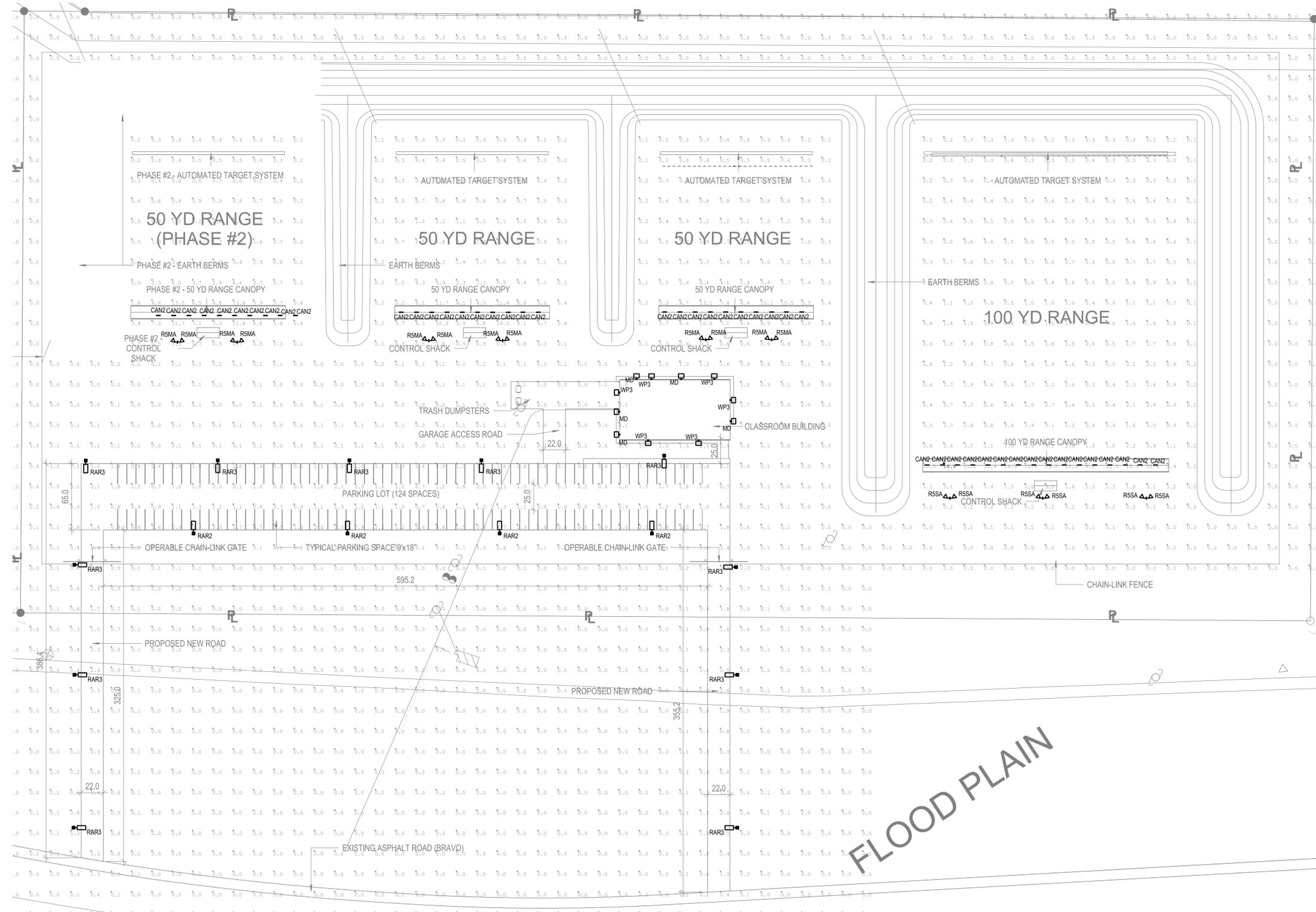






Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
100 YARD	Fc	6.26	7.9	3.9	1.61	2.03
50 YARD	Fc	4.83	5.9	3.0	1.61	1.97
SITE	Fc	0.61	16.8	0.0	N.A.	N.A.
100 YARD RANGE - HORIZONTAL	Fc	3.93	16.8	0.0	N.A.	N.A.
50 YARD RANGE - HORIZONTAL	Fc	3.84	13.1	0.1	38.40	131.00
PARKING LOT	Fc	1.34	2.8	0.2	6.70	14.00
PROPOSED ROAD 1	Fc	1.86	2.5	0.3	6.20	8.33
PROPOSED ROAD 2	Fc	1.91	2.6	0.3	6.37	8.67
TYPICAL CANOPY AREA	Fc	12.25	16.8	2.4	5.10	7.00

Luminaire Schedule			
Label	Lumens	LLF	Description
RSMA	N.A.	0.900	RFL5-360L-265-4K7-M
RSSA	N.A.	0.900	RFL5-360L-265-4K7-N
RAR2	N.A.	0.900	RAR1-160L-70-4K7-2
RAR3	N.A.	0.900	RAR1-160L-70-4K7-3
MD	N.A.	0.900	CUSO-AC
WP3	N.A.	0.900	LCN2-12LU-4K-3
CAN2	N.A.	0.900	LXEM4-40LW-RFA-EDU



① LIGHTING PHOTOMETRIC PLAN  
1" = 50'-0"

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102 E. Moreno Avenue  
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**CSPD TRAINING FACILITY**  
15905 Sniper Lane  
Fountain, CO 80817

number	description	author	date
103-01	CD's	EJR	Sep. 2019
JJA	Issue/revision		

**LIGHTING PHOTOMETRIC PLAN**

**E-DP1**

architect



associated with

**CSPD TRAINING  
FACILITY**  
15905 Sniper Lane  
Fountain, CO 80817

project

sheet

issue / revision

job #

drawn

checked

description

number

issue / revision	date:
CD's	Sep. 2019

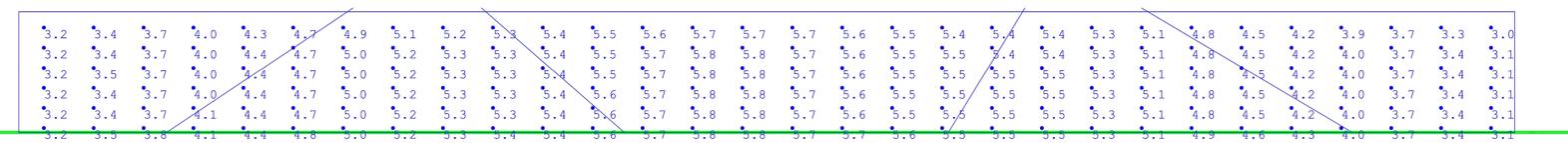
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EJR

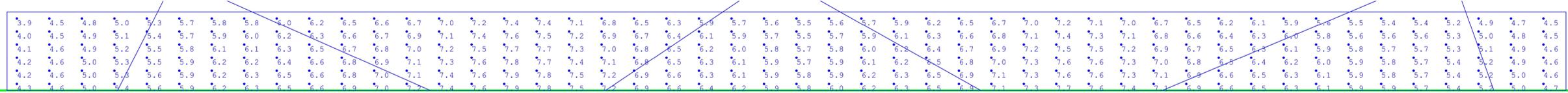
JJA

**LIGHTING  
PHOTOMETRIC  
PLAN**

**E-DP2**



② 50 YARD VERTICLE PHOTOMETRIC  
NTS



① 100 YARD VERTICLE PHOTOMETRIC  
NTS

**CSPD SHOOTING RANGE UNDER CANOPY FIXTURE**

**Columbia LIGHTING**

**Enclosed and Gasketed Fiberglass Extreme Environment / LED**

**PROJECT INFORMATION**

Project Name: \_\_\_\_\_ Type: **CAN2**

Catalog No. \_\_\_\_\_ Date: \_\_\_\_\_

**FEATURES**

- LED Enclosed and Gasketed
- Long life 60,000 hour LED life for reduced maintenance
- Four LED color drivers and 80 CR
- IP66 all sizes when ordered with standard polycarbonate (PC) lenses
- IP66 all sizes, IP64 or IP67
- Available in 2', 4', or 6' lengths
- NEMA 4X housing
- Fiberglass housing with F1 weatherability rating, standard
- Smooth housing for easy cleaning
- Gasketed grommet for easy seal
- Impact modified acrylic lens equivalent to 100% DR
- Wide range of color selections
- Less firming required with tamper resistance ready polycarbonate (PC) lenses
- Stainless steel latching optional
- ContiCoop® compatible
- Drivers include minimum 2.5KV surge protection
- UL Sanitized Certified per NSF Standards
- Removable grommet electrical access for modular reconfigurability
- Emergency battery pack installed, optional on most models
- 40°C up to 50°C ambient operation, available provided for details
- ULC (DesignLights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org
- Includes surface mounting brackets
- Occupancy and/or daylight sensing accessories available
- Five year warranty

**CONSTRUCTION**

Housing is formed from 1.58 Fiberglass, die-cast aluminum housing with powder coat paint finish

Weatherability ratings, suitable for indoor or outdoor use with respect to exposure to UV light. Note: No in-place sun-glass parking covers used. (LED allowed to remain bare unless noted) 1.58 Fiberglass is a resin reinforced polymer with high tensile strength and is resistant to most acids and alkalis. Lenses are standard polycarbonate (PC), optional in stainless steel. Access openings are provided for electrical connection.

**ELECTRICAL**

Long life LEDs are rated for 60,000 hours at LED lumen maintenance. Extra High Lumen packages (EHL) rated for 100,000 hours. Driver options include heat output for cool function, 50% dimming, 100% dimming or continuous 0-10V dimming. DR color label affixed to housing for easy traceability.

**CERTIFICATION**

All fixtures are built to UL 1598 and 2108 standards, and bear appropriate CA labels. Ingress protection (IP66 and IP67), UL Sanitized Certified per NSF Standards. Wet location labeling is standard. Emergency-equipd fixture built to UL ELC "DesignLights Consortium" Qualified, with some Premium Qualified configurations at www.designlights.org. The UL2108, DesignLights Consortium, and Emergency-equipd labels including sensors and wireless systems listed to UL2108. See page 15 for wiring diagrams. Link to UL2108: [www.designlights.org](http://www.designlights.org)

**FINISH**

White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel.

**WARRANTY**

Five year warranty (Terms and Conditions Apply)

**EXAMPLE LXEM4-35HL-RFA-EU**

**ORDERING INFORMATION**

MODEL	COLOR TEMP	SHIELDING	DRIVER	VOLTAGE	OPTIONS
LEEM	50 3000K	8A Ribbed Frosted Acrylic	E Fixed Output	120V-277V	EL14 Emergency Battery Pack Included
LEEM	35 3000K	8A Ribbed Frosted Acrylic	ED Trip Dimming	347 147V	100 Lenses**
LEEM	50 4000K	8A Deep Clear Acrylic	ED 0-10V Dimming		
LEEM	50 3000K	8A Deep Clear Acrylic	ED 0-10V 1% Dimming		

**CERTIFICATIONS/LISTINGS**

MODEL	LISTING	MODEL	LISTING
LEEM	UL1598	EL14	UL2108
LEEM	UL2108	ED	UL2108
LEEM	UL2108	ED	UL2108
LEEM	UL2108	ED	UL2108

**ACCESSORIES (ORDER SEPARATELY)**

MODEL	DESCRIPTION
EL14	Emergency Battery Pack Included
ED	Trip Dimming
ED	0-10V Dimming
ED	0-10V 1% Dimming
EL14	Emergency Battery Pack Included
ED	Trip Dimming
ED	0-10V Dimming
ED	0-10V 1% Dimming

**LED / LXEM**

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2019 Millennium Blvd., Greenville, SC 29607 / Tel: 864.676.1000 / Website: www.columbialighting.com

**CSPD SHOOTING RANGE FLOOD LIGHT**

**RATIO FLOODLIGHT**

Medium and Large

**Cat.#** Job Type

**R5MA, R5SA**

**SPECIFICATIONS**

**Intended Use:**

- LED drivers have reduced power over-voltage, over-current protection and short circuit protection with auto recovery
- UL94-V-0 flame retardant polycarbonate

**Construction:**

- Corrosion resistant, rugged die-cast aluminum housing with powder coat paint finish
- High Impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- Internal venting fins create optimal heat dissipation and allow air to drain from the back of the luminaire
- Voice, Louver and Vandal Lens options
- Easy maintenance access to electrical components with removal of 4 screws from back of luminaire housing
- Lens hardware is internal to the fixture allowing for even pressure on the gasket for an optimal water tight seal

**Electrical (cont'd):**

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocoated receptacle option available for heat soak photocoated or wireless control modules with control accessories only
- 0-10V dimming leads available for use with dimming systems
- StieSync™ wireless control system is available via 7-pin and can be ordered separately. See ordering information and details at: [www.hubbelllighting.com/stiesync](http://www.hubbelllighting.com/stiesync)

**Optical/LED:**

- 175 or 300 midpower LEDs
- Ambient operating temperature -40°C to 40°C
- Stock Versions: 4000K and 5000K CCT
- Variety of NEMA distributions - N (C)X, M (4x), and W (6x) - for wide range of lighting applications; Stock version Wide (6x) only
- Entire optical aperture illuminates a large area appearance without sacrificing optical performance

**Mounting:**

- Flange is IP66 rated
- Listed to UL1598 for use in wet locations

**Warranty:**

Five year limited warranty, for more information visit: <http://www.hubbelllighting.com/resources/warranty/>

**PRODUCT IMAGE(S)**

**DIMENSIONS**

Model	A	B	C	D	E	F	G	H
RFL4	13.8"	8.6"	3.5"	16.0"	18.1"	11.2"	3.5"	18.8"
RFL5	35.1mm	218mm	89mm	406mm	460mm	286mm	89mm	472mm

**SHIPPING INFORMATION**

Catalog Number	G.Wt./Ct.	Length (inch)	Width (inch)	Height (inch)	Carton Dimensions (L x W x H)	Carton Qty. per Pallet
RFL4	15.8 lbs	20.75 (52.7)	15.125 (38.4)	8.875 (17.8)	1.248' / 0.438'	2,000 / 1,520
RFL5	19.8 lbs	26.625 (67.6)	15.125 (38.4)	8.875 (17.8)		

**CERTIFICATIONS/LISTINGS**

UL1598, UL2108, UL2108, UL2108

**ORDERING INFORMATION**

ORDERING EXAMPLE: RFL4-176L-95-4KL-M-UVV-K-GYS

**ORDERING INFORMATION**

SERIES	# LEDs	WATTAGE	CCT/CR	DISTRIBUTION	VOLTAGE	COLOR	CONTROL OPTIONS	OPTIONS
RFL4	176L	95	176 LEDs - 12,000 lm	N	120-277V	Dark grey smooth	CD Continuous Dimmable	SF Surge Protection
RFL4	176L	120	176 LEDs - 15,000 lm	M	120-277V	Dark bronze textured	KXV** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RFL4	176L	120	176 LEDs - 15,000 lm	M	120-277V	Dark bronze textured	KXV** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RFL5	300L	190	300 LEDs - 25,000 lm	W	120-277V	Black back textured	KXSP** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RFL5	300L	190	300 LEDs - 25,000 lm	W	120-277V	Black back textured	KXSP** 1% Programmable occupancy sensor	PC Polycarbonate Lens

**STOCK ORDERING INFORMATION NEXT PAGE**

**CSPD SHOOTING RANGE PARKING LOT STANDARD**

**RATIO LED SERIES**

Area/site lighter

**Cat.#** Job Type

**RAR2, RAR3**

**SPECIFICATIONS**

**Intended Use:**

- Low profile LED available luminaires with a variety of IES distributions and lighting applications such as retail, commercial and campus applications

**Construction:**

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocoated receptacle option available for heat soak photocoated or wireless control modules with control accessories sold separately
- 0-10V dimming leads available for use with control modules provided by others, must specify lead length
- StieSync™ wireless control system is available via 7-pin and can be ordered separately. See ordering information and details at: [www.hubbelllighting.com/stiesync](http://www.hubbelllighting.com/stiesync)
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Standard square arm mounts
- Optional universal mounting block and round pole adapter also available as accessories
- KnucciK arm filter option available for 2-3" OD lenses. Max tilt 60 degrees with 2 degree adjustable trim screws. Restrictions apply for 7-pin options
- Field replaceable optics
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperature
- 36 rated for ANSI C136.31 high vibration applications
- Flange is IP66 rated
- Meets DA recommendations using CCT configuration at 0 degrees of tilt
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 25KA protection meeting ANSI/IEEE C82.11.2 Category C High and Surge Location Category C3, Automatically allows fixture off-line for protection when device is consumed

**Optical/LED:**

- 175 or 300 midpower LEDs
- Ambient operating temperature -40°C to 40°C
- Stock Versions: 4000K and 5000K CCT
- Variety of NEMA distributions - N (C)X, M (4x), and W (6x) - for wide range of lighting applications; Stock version Wide (6x) only
- Entire optical aperture illuminates a large area appearance without sacrificing optical performance

**Mounting:**

- Flange is IP66 rated
- Listed to UL1598 for use in wet locations

**Warranty:**

Five year limited warranty, for more information visit: <http://www.hubbelllighting.com/resources/warranty/>

**PRODUCT IMAGE(S)**

**DIMENSIONS**

Model	A	B	C	D	E	F	G	H	I	J	K	L
RAR1	5.1"	5.4"	10.1"	6.3"	7.8"	9.1"	27"	18.2"	3.5"	18.8"	13.5 lbs (6.1 kg)	
RAR2	85.8mm	140.2mm	258.8mm	160.2mm	199.1mm	231.8mm	683.2mm	463.2mm	441.2mm			

**SHIPPING INFORMATION**

Catalog Number	G.Wt./Ct.	Length (inch)	Width (inch)	Height (inch)	Carton Dimensions (L x W x H)	Carton Qty. per Pallet
RAR1	15.8 lbs	20.75 (52.7)	15.125 (38.4)	8.875 (17.8)	1.248' / 0.438'	2,000 / 1,520
RAR2	19.8 lbs	26.625 (67.6)	15.125 (38.4)	8.875 (17.8)		

**CERTIFICATIONS/LISTINGS**

UL1598, UL2108, UL2108, UL2108

**ORDERING INFORMATION**

ORDERING EXAMPLE: RAR2-176L-95-4KL-M-UVV-K-GYS

**ORDERING INFORMATION**

SERIES	# LEDs	WATTAGE	CCT/CR	DISTRIBUTION	VOLTAGE	COLOR	CONTROL OPTIONS	OPTIONS
RAR1	176L	95	176 LEDs - 12,000 lm	N	120-277V	Dark grey smooth	CD Continuous Dimmable	SF Surge Protection
RAR1	176L	120	176 LEDs - 15,000 lm	M	120-277V	Dark bronze textured	KXV** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RAR1	176L	120	176 LEDs - 15,000 lm	M	120-277V	Dark bronze textured	KXV** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RAR2	300L	190	300 LEDs - 25,000 lm	W	120-277V	Black back textured	KXSP** 1% Programmable occupancy sensor	PC Polycarbonate Lens
RAR2	300L	190	300 LEDs - 25,000 lm	W	120-277V	Black back textured	KXSP** 1% Programmable occupancy sensor	PC Polycarbonate Lens

**STOCK ORDERING INFORMATION NEXT PAGE**

**CSPD SHOOTING RANGE MAN DOR WALL PACK**

**COMPASS**

MD

**DESCRIPTION**

The CUSO Series is an architectural, low-profile outdoor light, offering "normally on" AC and emergency lighting with powerful LED illumination. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single 1/2" NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,600 lumens in AC and 600 lumens in emergency. Available in 3000K or 4000K color temperature. Models at 3000K include a photo-sensor and PIR/passive infrared motion detector which cannot be altered. The unit will only turn on in AC mode when motion is detected. Models at 4000K include a photo-sensor and do not include motion detector. The unit can be controlled by a switch, timer or the photo-sensor.

**APPLICATION**

The CUSO Series can be applied in areas that are susceptible to rain and severe moisture like parking decks, and outdoor commercial applications to meet all Path of Egress requirements.

**COMPLIANCES & LISTINGS**

UL924 Listed for Wet Location  
NFPA 101 and NFPA 70 OSHA

**WARRANTY**

5 year full unit warranty

**ORDERING GUIDE**

Catalog Number	Description
CUSO DB	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., Dark Bronze
CUSO DB-H	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., Dark Bronze, Heater
CUSO BK	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., Black
CUSO BK-H	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., Black, Heater
CUSO WH	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., White
CUSO WH-H	Outdoor AC/EM, 3000K, Photo-sensor and PIR Motion Detect, Self-Diag., White, Heater
CUSO4DB-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., Dark Bronze
CUSO4DB-H-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., Dark Bronze, Heater
CUSO4BK-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., Black
CUSO4BK-H-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., Black, Heater
CUSO4WH-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., White
CUSO4WH-H-ND	Outdoor AC/EM, 4000K, Photo-sensor, Self-Diag., White, Heater

**DIMENSIONS**

Single Carton Weight: 4.0 lbs.  
Master Carton Quantity: 6 each

Hubbell Lighting  
86397, ICM, CUSO, SPEC 0177

**CSPD SHOOTING RANGE WALL PACK**

**LN2 SERIES**

Job Type

**WP3**

**SPECIFICATIONS**

**Intended Use:**

- Low profile LN2 is designed for perimeter illumination for safety security identification for night and daytime use. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single 1/2" NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,600 lumens in AC and 600 lumens in emergency. Available in 3000K or 4000K color temperature. Models at 3000K include a photo-sensor and PIR/passive infrared motion detector which cannot be altered. The unit will only turn on in AC mode when motion is detected. Models at 4000K include a photo-sensor and do not include motion detector. The unit can be controlled by a switch, timer or the photo-sensor.

**Construction:**

- Rugged die-cast aluminum housing protects components and provides an architectural appearance. Caring normally conducts LED heat to optimize performance and long life. Powder paint finish provides durability in outdoor environments.
- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocoated receptacle option available for heat soak photocoated or wireless control modules with control accessories sold separately
- 0-10V dimming leads available for use with control modules provided by others, must specify lead length
- StieSync™ wireless control system is available via 7-pin and can be ordered separately. See ordering information and details at: [www.hubbelllighting.com/stiesync](http://www.hubbelllighting.com/stiesync)
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Standard square arm mounts
- Optional universal mounting block and round pole adapter also available as accessories
- KnucciK arm filter option available for 2-3" OD lenses. Max tilt 60 degrees with 2 degree adjustable trim screws. Restrictions apply for 7-pin options
- Field replaceable optics
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperature
- 36 rated for ANSI C136.31 high vibration applications
- Flange is IP66 rated
- Meets DA recommendations using CCT configuration at 0 degrees of tilt
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 25KA protection meeting ANSI/IEEE C82.11.2 Category C High and Surge Location Category C3, Automatically allows fixture off-line for protection when device is consumed

**Optical/LED:**

- 175 or 300 midpower LEDs
- Ambient operating temperature is -40°C to 40°C (includes T2, C20 and P15 configurations)
- Drivers have greater than 90% power factor and less than 20% Total Harmonic Distortion
- Driver RnS and IP66
- UL94-V-0 flame retardant

**Mounting:**

- Flange is IP66 rated
- Listed to UL1598 for use in wet locations

**Warranty:**

Five year limited warranty, for more information visit: <http://www.hubbelllighting.com/resources/warranty/>

**PRODUCT IMAGE(S)**

**DIMENSIONS**

Model	A	B	C	D	E	F	G	H	I	J	K	L
LN2	5.5"	10.1"	6.3"	7.8"	9.1"	27"	18.2"	3.5"	18.8"	13.5 lbs (6.1 kg)		
LN2	142.9mm	256.8mm	160.2mm	199.1mm	231.8mm	683.2mm	463.2mm	441.2mm				

**SHIPPING INFORMATION**

Catalog Number	G.Wt./Ct.	Length (inch)	Width (inch)	Height (inch)	Carton Dimensions (L x W x H)	Carton Qty. per Pallet
LN2-176L	14.8 lbs	14.625 (37.1)	11.625 (29.5)	8.425 (21.5)	1.248' / 0.438'	2,000 / 1,520
LN2-180L	14.8 lbs	14.625 (37.1)	11.625 (29.5)	8.425 (21.5)		

**CERTIFICATIONS/LISTINGS**

UL1598, UL2108, UL2108, UL2108

**ORDERING INFORMATION**

ORDERING EXAMPLE: LN2-176L-95-4KL-M-UVV-K-GYS

**ORDERING INFORMATION**

SERIES	LED SELECTION	CCT/CR	DRIVE CURRENT	VOLTAGE	CONTROL OPTIONS	OPTIONS
LN2	Small LNK2	9L 12 LEDs	3K 3000K, 4K 4000K	120V-277V	CD Programmable	EH* Battery Backup
LN2	Small LNK2	12L 12 LEDs	3K 3000K, 4K 4000K	120V-277V	CD Programmable	EH* Battery Backup
LN2	Small LNK2	18L 18 LEDs	3K 3000K, 4K 4000K	120V-277V	CD Programmable	EH* Battery Backup
LN2	Small LNK2	24L 24 LEDs	3K 3000K, 4K 4000K	120V-277V	CD Programmable	EH* Battery Backup
LN2	Small LNK2	30L 30 LEDs	3K 3000K, 4K 4000K	120V-277V	CD Programmable	EH* Battery Backup

**STOCK ORDERING INFORMATION NEXT PAGE**

**CSPD SHOOTING RANGE WALL PACK**

**LN2 SERIES**

Job Type

**WP3**

**SPECIFICATIONS**

**Intended Use:**

- Low profile LN2 is designed for perimeter illumination for safety security identification for night and daytime use. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single 1/2" NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,600 lumens in AC and 600 lumens in emergency. Available in 3000K or 4000K color temperature. Models at 3000K include a photo-sensor and PIR/passive infrared motion detector which cannot be altered. The unit will only turn on in AC mode when motion is detected. Models at 4000K include a photo-sensor and do not include motion detector. The unit can be controlled by a switch, timer or the photo-sensor.

**Construction:**

- Rugged die-cast aluminum housing protects components and provides an architectural appearance. Caring normally conducts LED heat to optimize performance and long life. Powder paint finish provides durability in outdoor environments.
- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocoated receptacle option available for heat soak photocoated or wireless control modules with control accessories sold separately
- 0-10V dimming leads available for use with control modules provided by others, must specify lead length
- StieSync™ wireless control system is available via 7-pin and can be ordered separately. See ordering information and details at: [www.hubbelllighting.com/stiesync](http://www.hubbelllighting.com/stiesync)
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Standard square arm mounts
- Optional universal mounting block and round pole adapter also available as accessories
- KnucciK arm filter option available for 2-3" OD lenses. Max tilt 60 degrees with 2 degree adjustable trim screws. Restrictions apply for 7-pin options
- Field replaceable optics
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperature
- 36 rated for ANSI C136.31 high vibration applications
- Flange is IP66 rated
- Meets DA recommendations using CCT configuration at 0 degrees of tilt
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 25KA protection meeting ANSI/IEEE C82.11.2 Category C High and Surge Location Category C3, Automatically allows fixture off-line for protection when device is consumed

**Optical/LED:**

- 175 or 300 midpower LEDs
- Ambient operating temperature is -40°C to 40°C (includes T2, C20 and P15 configurations)
- Drivers have greater than 90% power factor and less than 20% Total Harmonic Distortion
- Driver RnS and IP66
- UL94-V-0 flame retardant

**Mounting:**

- Flange is IP66 rated
- Listed to UL1598 for use in wet locations

**Warranty:**

Five year limited warranty, for more information visit: <http://www.hubbelllighting.com/resources/warranty/>

**PRODUCT IMAGE(S)**

**DIMENSIONS**

Model	A	B	C	D	E	F	G	H	I	J	K	L
LN2	5.5"	10.1"	6.3"	7.8"	9.1"	27"	18.2"	3.5"	18.8"	13.5 lbs (6.1 kg)		
LN2	142.9mm	256.8mm	160.2mm	199.1mm	231.8mm	683.2mm	463.2mm	441.2mm				

**SHIPPING INFORMATION**

Catalog Number	G.Wt./Ct.	Length (inch)	Width (inch)	Height (inch)	Carton Dimensions (L x W x H)	Carton Qty. per Pallet
LN2-176L	14.8 lbs	14.625 (37.1)	11.625 (29.5)	8.425 (21.5)	1.248' / 0.438'	2,000 / 1,520
LN2-180L	14.8 lbs	14.625 (37.1)	11.625 (29.5)	8.425 (21.5)		

**CERTIFICATIONS/LISTINGS**

UL1598, UL2108, UL2108, UL2108

**ORDERING INFORMATION**

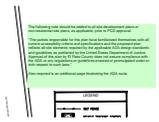
ORDERING EXAMPLE: LN2-176L-95-4KL-M-UVV-K-GYS

**ORDERING INFORMATION**

SERIES	LED SELECTION	CCT/CR	DRIVE CURRENT	VOLTAGE	CONTROL OPTIONS	OPTIONS
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LN2	Small LNK2	12L 12 LEDs	3K 3000K, 4K 4000K	120V-27		

# SDP\_V1.pdf Markup Summary

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The following note should be added to all site development plans or non-residential site plans, as applicable, prior to PCD approval:

“The parties responsible for this plan have familiarized themselves with all current accessibility criteria and specifications and the proposed plan reflects all site elements required by the applicable ADA design standards and guidelines as published by the United States Department of Justice. Approval of this plan by El Paso County does not assure compliance with the ADA or any regulations or guidelines enacted or promulgated under or with respect to such laws.”

Also required is an additional page illustrating the ADA route.



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If this sheet is to be used for the Site Development Plan, please rename from Preliminary Grading and Erosion Control Plan. Also include Standard ADA note and provide a separate sheet with the ADA route.



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See comments from Fort Carson in regards to baffles included into design for range safety.