KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO

PROJECT CONTACT LIST

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LOUISVILLE PARKS AND RECREATION 717 MAIN ST LOUISVILLE, CO 80027	ATTN: BRYON WEBER PH: (303) 335-4736 E: BWEBER@LOUISVILLECO.GOV
LOUISVILLE BUILDING SAFETY 749 MAIN ST LOUISVILLE, CO 80027	ATTN: CHAD ROOT PH: (303) 335-4580 E: CROOT@LOUISVILLECO.GOV
UTILITY NOTIFICATION CENTER OF COLORADO 16361 TABLE MOUNTAIN PARKWAY GOLDEN, CO 80403	811
INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION 5496 N US HIGHWAY 85 SEDALIA, CO 80135	PH: (800) 332-9540
COLORADO DEPARTMENT OF HEALTH 4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246	PH: (303) 692-2000

GENERAL NOTES:

1. THE CITY OF LOUISVILLE IS NOT RESPONSIBLE FOR DAMAGE TO, OR REPAIR OF, MONUMENT SIGNS, PAVEMENT SURFACES, OR LANDSCAPING CAUSED DURING REPAIR OR MAINTENANCE OF UTILITIES LOCATED WITHIN PUBLIC EASEMENTS.

PROJECT DESCRIPTION

THE APPLICATION REQUESTS APPROVAL OF A GENERAL DEVELOPMENT PLAN (GDP) AMENDMENT AND PLANNED UNIT DEVELOPMENT (PUD) AMENDMENT TO ALLOW DEVELOPMENT OF NINE DUPLEXES ON SEVENTEEN LOTS, INCLUDING ASSOCIATED TRACTS AND EASEMENTS. THE PROPOSED SEVENTEEN DWELLING UNITS WILL BE FOR-SALE, PERMANENTLY AFFORDABLE, DEED-RESTRICTED HOUSING UNITS FOR HOUSEHOLD EARNINGS AT OR BELOW 100 PERCENT OF THE AREA MEDIAN INCOME (AMI).

PREVIOUS AMENDMENTS

KESTREL FINAL DEVELOPMENT PLAN / PLANNED UNIT DEVELOPMENT, RESOLUTION NUMBER 89, SERIES 2015

KESTREL FINAL DEVELOPMENT PLAN / PLANNED UNIT DEVELOPMENT - 1ST AMENDMENT, RESOLUTION NUMBER 28 SERIES 2016

BASIS OF BEARINGS:

BEARINGS ARE BASED UPON WEST LINE OF KESTREL FINAL SUBDIVISION PLAT, SAID LINE BEING MONUMENTED AT THE NORTH END BY A NUMBER 5 REBAR WITH A COLLARED CAP IN AND AT THE SOUTH END BY A NUMBER 5 REBAR WITH A YELLOW PLASTIC CAP STAMPED "LS 38214 SURVEY SYSTEMS" IS ASSUMED TO BEAR SOUTH 00° 06' 00" EAST A DISTANCE OF 846.36 FEET, AS SHOWN ON THIS SURVEY.

BENCHMARK:

SITE BENCHMARK:
OLSSON CONTROL POINT 1 BEING A NO. 5 REBAR W/ PINK PLASTIC CAP STAMPED "OLSSON CONTROL" HAVING A ELEVATION OF 5381.88'

FLOODZONE:

ACCORDING TO F.E.M.A. FLOOD INSURANCE RATE MAP NUMBER: 08013C0582K, REVISION DATE: SEPTEMBER 19, 2019, THIS PROPERTY LIES IN FLOOD ZONE "X" WITHIN THE ANNUAL CHANCE FLOOD HAZARD, AREAS OF 1% ANNUAL CHANGE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE.



VICINITY MAP
SCALE: 1" = 300'

N

SHEET INDEX

SHEET COUNT NUMBER	SHEET TITLE
1 OF 21	COVER SHEET
2 OF 21	SITE PLAN
3 OF 21	EMERGENCY VEHICLE ACCESS
4 OF 21	MATERIAL PALLET
5 OF 21	FLOOR PLANS - FLUSH
6 OF 21	ELEVATIONS - FLUSH
7 OF 21	FLOOR PLANS - STAGGERED
8 OF 21	ELEVATIONS - STAGGERED
9 OF 21	FLOOR PLANS - TYPE A
10 OF 21	ELEVATIONS - TYPE A
11 OF 21	FLOOR PLANS - SFD
12 OF 21	ELEVATIONS - SFD
13 OF 21	PERSPECTIVES
14 OF 21	GRADING PLAN
15 OF 21	UTILITY PLAN
16 OF 21	LANDSCAPE NOTES
17 OF 21	LANDSCAPE PLAN
18 OF 21	PHOTOMETRICS PLAN
19 OF 21	CUT SHEET
20 OF 21	CUT SHEET
21 OF 21	CUT SHEET

SITE INFORMATION

	CURRENT	PROPOSED
ZONING	PCZD-R	PCZD-R
MIN. LOT AREA	7,000 SF	1,250 SF **
MIN. LOT WIDTH	60'	23' **
MAX LOT COVERAGE	40 %	50 % **
BUILDING SETBACKS		
MIN. FRONT YARD SETBACK (PRINCIPLE USES)	SEE ROW SETBACKS	SEE ROW SETBACKS
MIN. SIDE YARD SETBACK (PRINCIPLE USES)	3'	0' *
MIN. SIDE YARD SETBACK (ACCESSORY USES)	3'	3'
MIN. REAR YARD SETBACK (PRINCIPLE USES)	PARKING: 5' BUILDING: 10'	PARKING: 5' BUILDING: 10'
MIN. REAR YARD SETBACK (ACCESSORY USES)	PARKING: 5' BUILDING: 10'	PARKING: 5' BUILDING: 10'
SETBACK FROM COLLECTOR STREET ROW	PARKING: 10' BUILDING: 5' TYPICAL, 2' FOR 33% OF FACADE UP TO 12' MAX. WIDTH	PARKING: 10' BUILDING: 5' TYPICAL, 2' FOR 33% OF FACADE UP TO 12' MAX. WIDTH
SETBACK FROM LOCAL STREET ROW	PARKING: 10' BUILDING: 5'	PARKING: 10' BUILDING: 5'
SETBACK FROM PARKS AND OPEN SPACE	0'	0'
MINIMUM BUILDING SEPARATION	6'	6'
MAX BUILDING HEIGHT		
PRINCIPLE USES	2-3 STORIES	2-3 STORIES
ACCESSORY USES	30'	30'
PARKING		
OFF STREET PARKING	NO MINIMUM	18 SPACES
ADA OFF STREET PARKING	1 SPACE	1 SPACE
ON-LOT SPACES	NO MINIMUM	3 SPACES
EV CHARGING SPACE	2 SPACES	0 SPACES *

NOTES:
* DENOTES WAIVERS REQUESTED THROUGH THIS PUD AMENDMENT.
** DENOTES CONSISTENCY WITH TAKODA GDP AMENDMENT 8.

CITY COUNCIL SIGNATURE BLOCK
APPROVED THIS ___ DAY OF _____ 202_ BY THE CITY COUNCIL OF THE CITY OF LOUISVILLE, CO. RESOLUTION NO. _____ SERIES _____

_____
MAYOR

_____
CITY CLERK

PLANNING COMMISSION CERTIFICATION
APPROVED THIS ___ DAY OF _____ 202_ BY THE PLANNING COMMISION OF THE CITY OF LOUISVILLE, CO. RESOLUTION NO. _____ SERIES _____

_____
CHAIRMAN

_____
SECRETARY

CLERK & RECORDER CERTIFICATE, COUNTY OF BOULDER, STATE OF COLORADO
I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED IN MY OFFICE AT _____ O'CLOCK, -___.M, THIS _____ DAY OF _____ 202_ AND IS RECORDED IN PLAN FILE _____ FEE: _____ PAID _____ FILM. NO. _____, RECEPTION

_____
CLERK

_____
DEPUTY

OWNERSHIP SIGNATURE BLOCK
BY SIGNING THIS PRELIMINARY PUD, THE OWNER ACKNOWLEDGES AND ACCEPTS ALL THE REQUIREMENTS AND INTENT SET FORTH BY THIS PUD.
WITNESS OUR HANDS AND SEALS THIS _____ DAY OF _____ 202_ .

_____
OWNER

LandDesign.
3070 Blake Street, Suite 200
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720-274-0814
WWW.LANDDESIGN.COM

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PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#

REVISION / ISSUANCE

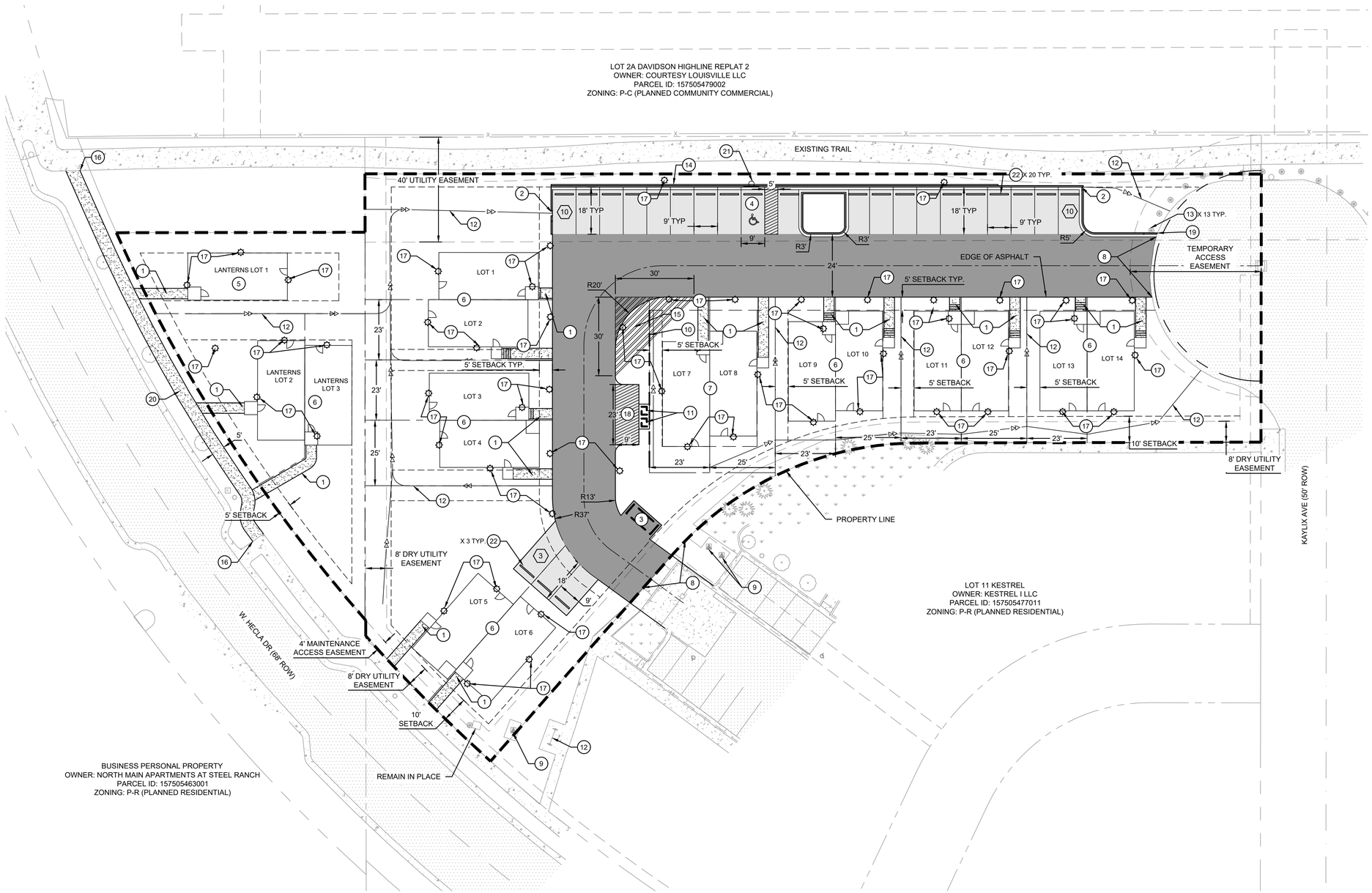
NO.	DESCRIPTION	DATE

SHEET TITLE
COVER SHEET

SHEET NUMBER
C0.0
1 OF 21

ORIGINAL SHEET SIZE: 24" X 36"

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO



LEGEND

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- PROP. BUILDING SETBACK
- PROP. LOT LINES
- PROP. ROAD CENTERLINE
- PROP. CURB AND GUTTER
- PROP. SWALE
- PROP. RETAINING WALL
- EXISTING UTILITY EASEMENT
- EXISTING WIRED FENCE
- EXISTING CURB AND GUTTER
- EXISTING BOLLARDS
- EXISTING POST SIGN
- EXISTING LIGHT POLE
- PROP. LIGHT POLE
- PROP. POST SIGN
- PARKING STALL COUNT PER BAY
- PROP. CONCRETE SIDEWALK
- EXISTING PAVEMENT
- EXISTING CONCRETE SIDEWALK
- HEAVY DUTY PAVEMENT
- LIGHT DUTY PAVEMENT
- VISION CLEARANCE AREA

KEYNOTES

1. 4" CONCRETE SIDEWALK AT 4' WIDE
2. CURB CUT
3. RELOCATED TRASH ENCLOSURE PER ARCHITECTURAL PLANS
4. ADA PARKING
5. SINGLE-FAMILY UNIT
6. DUPLEX UNIT
7. ADA COMPLIANT UNIT, SEE ARCHITECTURAL PLANS
8. CONNECT TO EXISTING ASPHALT PAVEMENT
9. EXISTING TRANSFORMERS
10. PROPOSED 60 LF RETAINING WALL, 1.9' MAX HEIGHT
11. MAIL KIOSKS
12. PROPOSED SWALE
13. EXISTING BOLLARDS TO BE PROTECTED IN PLACE
14. 170 LF, 1.9' MAX HEIGHT DROP CURB
15. VISION CLEARANCE AREA
16. CONNECT TO EXISTING SIDEWALK
17. LIGHT POLE
18. TEMP. PARKING/MAIL DELIVERY
19. CURB TRANSITION
20. 6" CONCRETE SIDEWALK AT 5' WIDE
21. ADA SIGNAGE
22. WHEEL STOP

N

0' 10' 20' 40'
SCALE IN FEET

ORIGINAL SHEET SIZE: 24" X 36"

LandDesign.
3070 Blake Street, Suite 200
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PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
SITE PLAN

SHEET NUMBER
C1.0
2 OF 21

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
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LEGEND
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- EXISTING BOLLARDS
- EXISTING POST SIGN
- EXISTING LIGHT POLE
- PROP. LIGHT POLE
- PROP. POST SIGN
- VISION CLEARANCE AREA

LOT 2A DAVIDSON HIGHLINE REPLAT 2
OWNER: COURTESY LOUISVILLE LLC
PARCEL ID: 157505479002
ZONING: P-C (PLANNED COMMUNITY COMMERCIAL)

EXISTING TRAIL

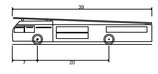
LANTERNS LOT 1
LANTERNS LOT 2
LANTERNS LOT 3
LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6
LOT 7
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
24'
R20'
KAYLIX AVE (50' ROW)
FIRE TRUCK TURN
W HECLA DR (68' ROW)

LOT 11 KESTREL
OWNER: KESTREL I LLC
PARCEL ID: 157505477011
ZONING: P-R (PLANNED RESIDENTIAL)

FIRE TRUCK TURNING MODEL

BUSINESS PERSONAL PROPERTY
OWNER: NORTH MAIN APARTMENTS AT STEEL RANCH
PARCEL ID: 157505463001
ZONING: P-R (PLANNED RESIDENTIAL)

FIRE TRUCK DIAGRAM



Aerial Fire Truck	
Overall Length	39.000ft
Overall Width	8.167ft
Overall Body Height	7.500ft
Min Body Ground Clearance	0.750ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

N

0' 10' 20' 40'
SCALE IN FEET

ORIGINAL SHEET SIZE: 24" X 36"

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PROJECT TEAM

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Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
EMERGENCY VEHICLE ACCESS

SHEET NUMBER
C2.0
3 OF 21

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026

SCHEME 1

6" VERTICAL COMPOSITE SIDING/TRIM
SHERWIN WILLIAMS
CEDAR: SW 3034

6" HORIZONTAL COMPOSITE SIDING
SHERWIN WILLIAMS
SEA MARINER: SW 9640

GUTTER/DOOR PANEL/PRE AWNING
SHERWIN WILLIAMS
IRON ORE: SW 3034

6" COMPOSITE
VERTICAL/HORIZONTAL
SIDING

SCHEME 2

6" VERTICAL COMPOSITE SIDING/TRIM
SHERWIN WILLIAMS
MINERAL DEPOSIT: SW 7652

6" HORIZONTAL COMPOSITE SIDING
SHERWIN WILLIAMS
SLATE TILE: SW 7624

GUTTER/DOOR PANEL/PRE AWNING
SHERWIN WILLIAMS
IRON ORE: SW 3034

6" COMPOSITE
VERTICAL/HORIZONTAL
SIDING

SCHEME 3

6" VERTICAL COMPOSITE SIDING/TRIM
SHERWIN WILLIAMS
SNOWBOUND: SW 7004

6" HORIZONTAL COMPOSITE SIDING
SHERWIN WILLIAMS
ROOKWOOD DARK GREEN: SW 2816

GUTTER/DOOR PANEL/PRE AWNING
SHERWIN WILLIAMS
IRON ORE: SW 3034

6" COMPOSITE
VERTICAL/HORIZONTAL
SIDING



SCHEME 1

SCHEME 2

SCHEME 3

COLOR SCHEME PLAN
1" = 40'-0"

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NOT FOR CONSTRUCTION

RURAL HOMES KESTREL DUPLEXES
LOUISVILLE, CO
RURAL HOMES COLORADO

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△	ISSUE/REVISION	DATE
	PUD 1ST SUBMITTAL	10/13/2026

DRAWN BY	CHECKED BY
JJ	JJ

Material Pallet

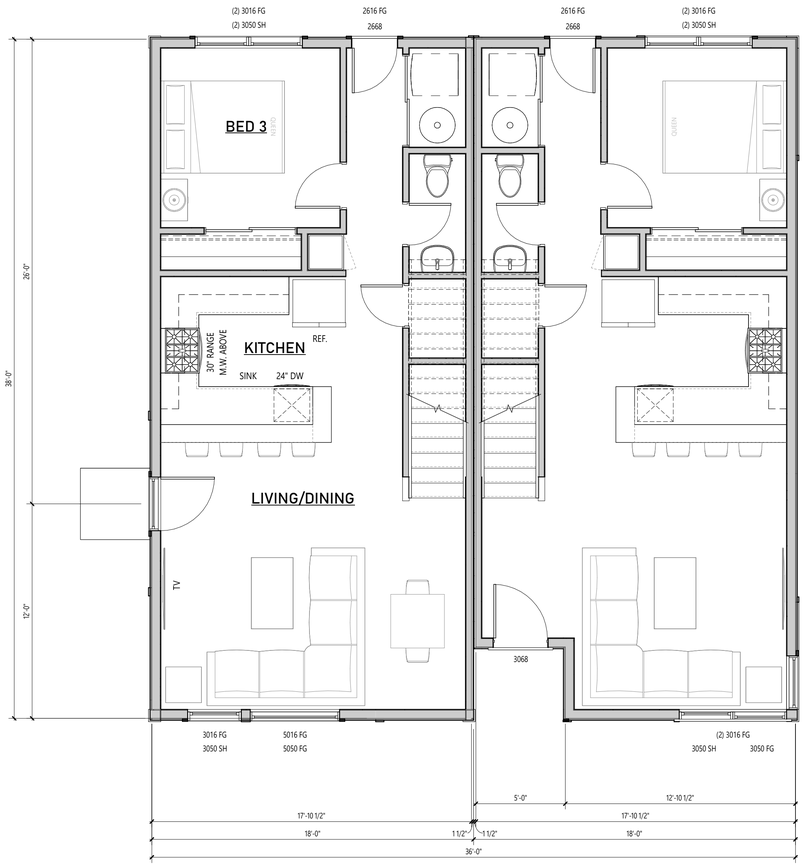
JOB NO. 40024.26

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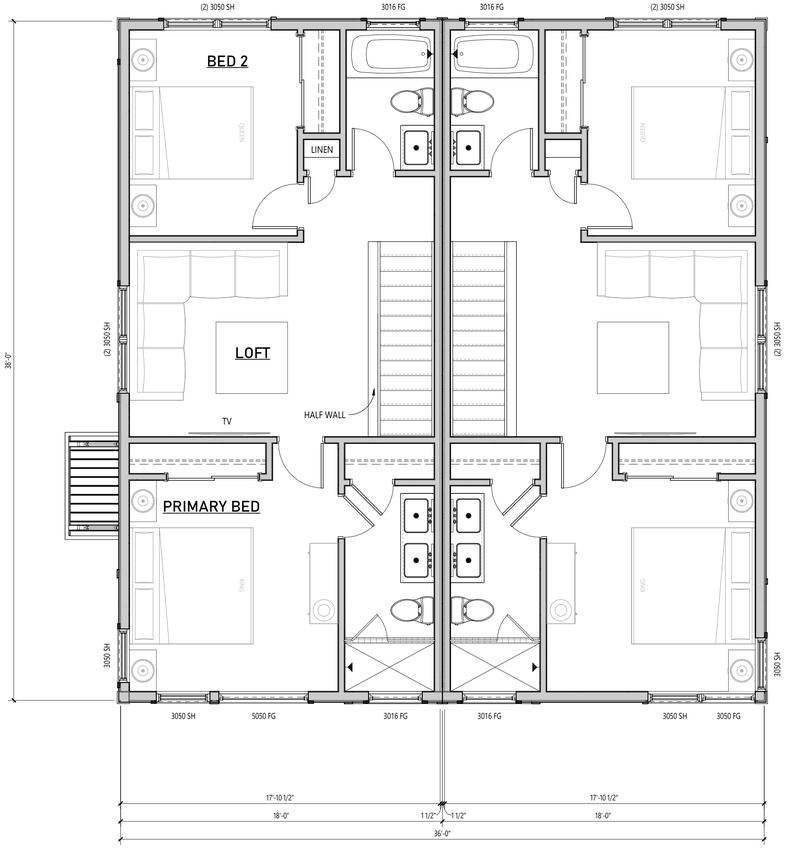


FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

KEY PLAN
1" = 80'-0"



MAIN LEVEL FLOOR PLAN
1/4" = 1'-0"



UPPER LEVEL FLOOR PLAN
1/4" = 1'-0"

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Floor Plans - Flush

JOB NO. 40024.26



FLUSH UNITS

SFD UNIT

STAGGERED UNITS

TYPE A UNITS

KEY PLAN

1" = 80'-0"

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SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026

MATERIAL LEGEND

6" HORIZONTAL CEMENTITIOUS LAP SIDING

6" VERTICAL CEMENTITIOUS SIDING

GUTTER/DOOR PANEL/PRE MANUFACTURER AWNING



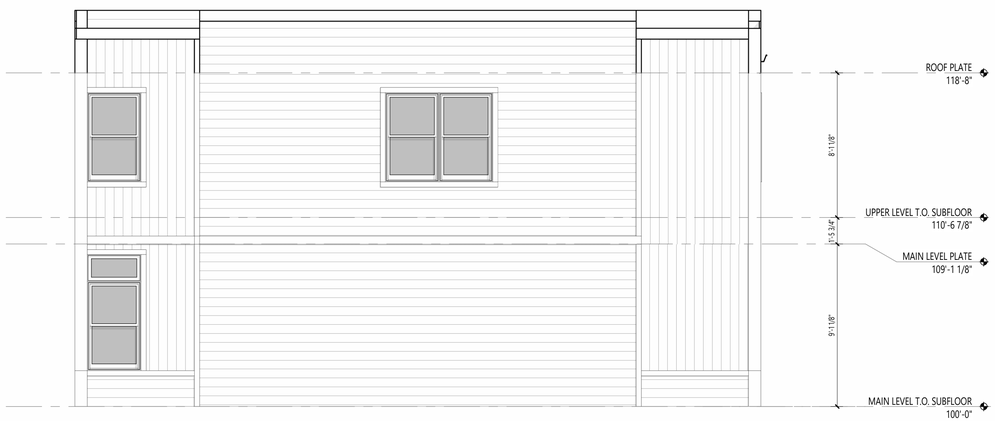
REAR ELEVATION

1/4" = 1'-0"



FRONT ELEVATION

1/4" = 1'-0"



RIGHT SIDE ELEVATION

1/4" = 1'-0"



LEFT SIDE ELEVATION

1/4" = 1'-0"

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Elevations - Flush

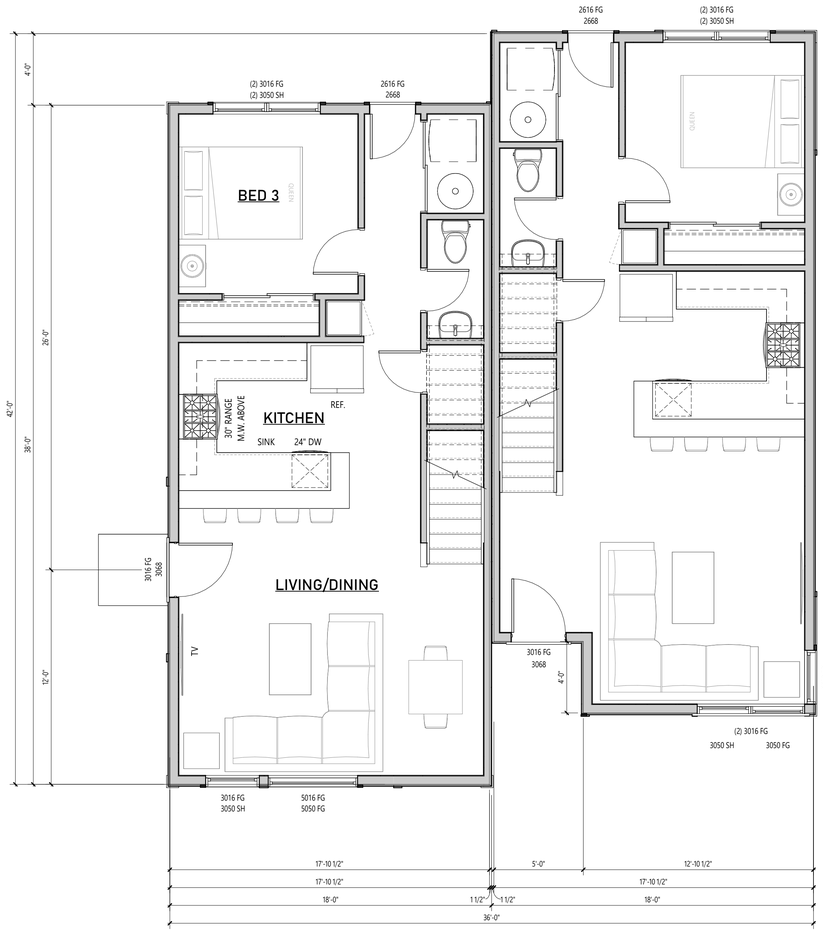
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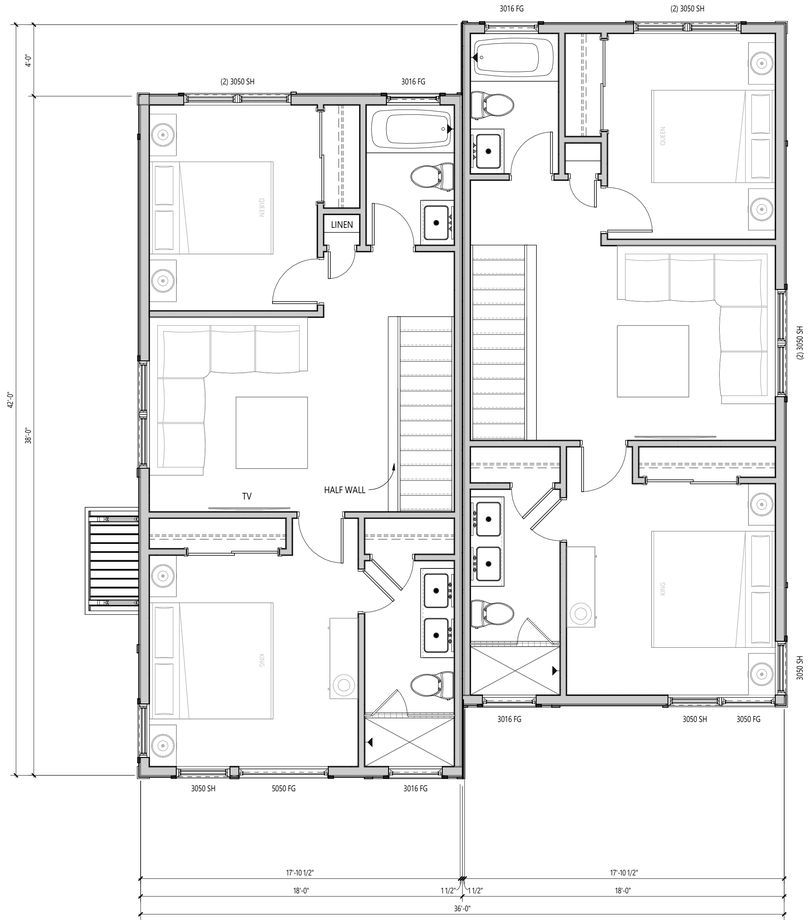


FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

KEY PLAN
1" = 80'-0"



MAIN LEVEL FLOOR PLAN
1/4" = 1'-0"



UPPER LEVEL FLOOR PLAN
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JJ	JJ

Floor Plans - Staggered

JOB NO. 40024.26

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SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
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FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

KEY PLAN
1" = 80'-0"

MATERIAL LEGEND

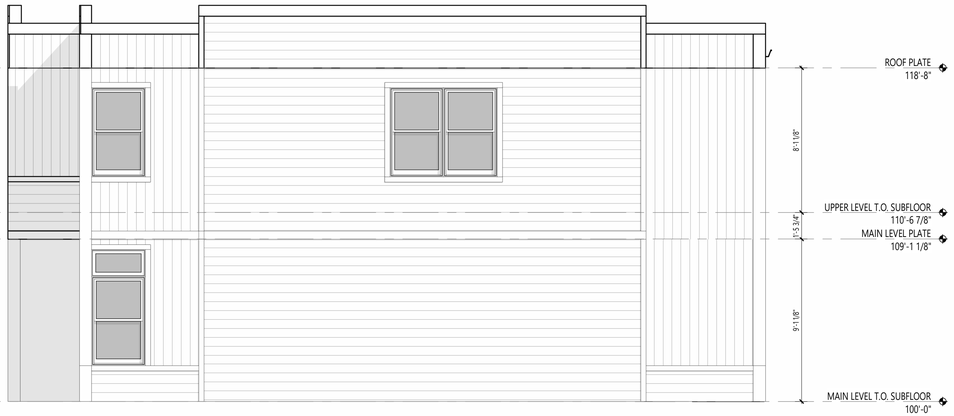
6" HORIZONTAL CEMENTITIOUS LAP SIDING
6" VERTICAL CEMENTITIOUS SIDING
GUTTER/DOOR PANEL/PRE MANUFACTURER AWNING



REAR ELEVATION
1/4" = 1'-0"



FRONT ELEVATION
1/4" = 1'-0"



RIGHT SIDE ELEVATION
1/4" = 1'-0"



LEFT SIDE ELEVATION
1/4" = 1'-0"

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RURAL HOMES KESTREL DUPLEXES
LOUISVILLE, CO
RURAL HOMES COLORADO

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△	ISSUE/REVISION	DATE
	PUD 1ST SUBMITTAL	10/13/2026

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JJ	JJ

Elevations - Staggered

JOB NO. 40024.26



FLUSH UNITS

SFD UNIT

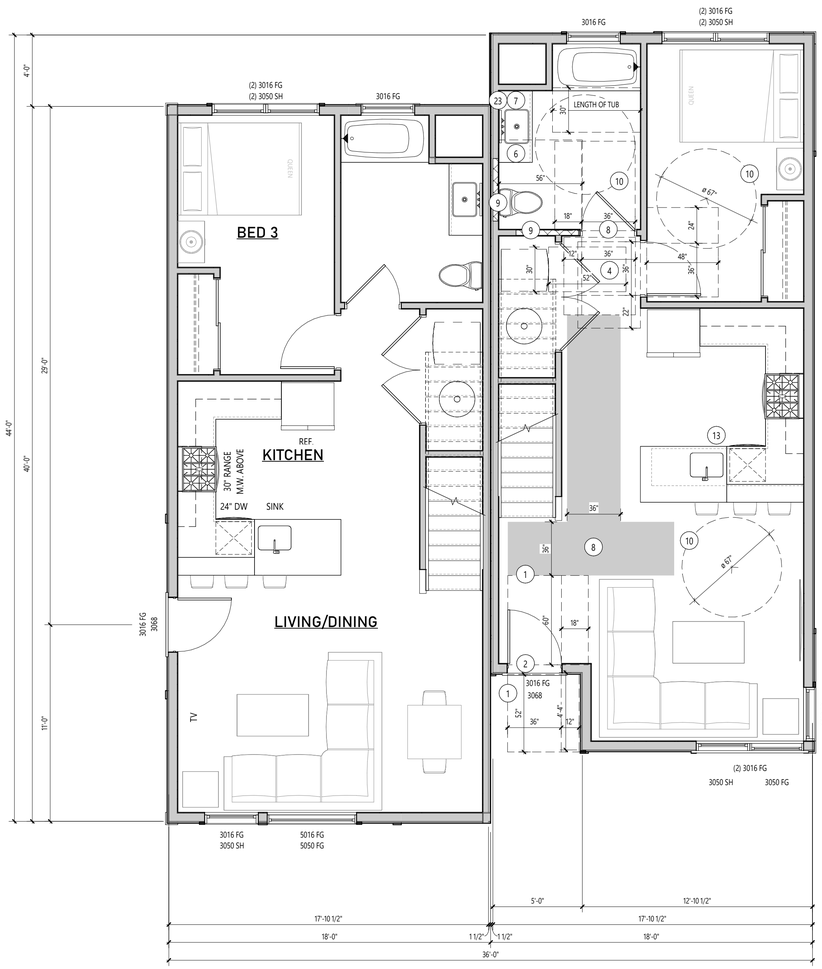
STAGGERED UNITS

TYPE A UNITS

KEY PLAN

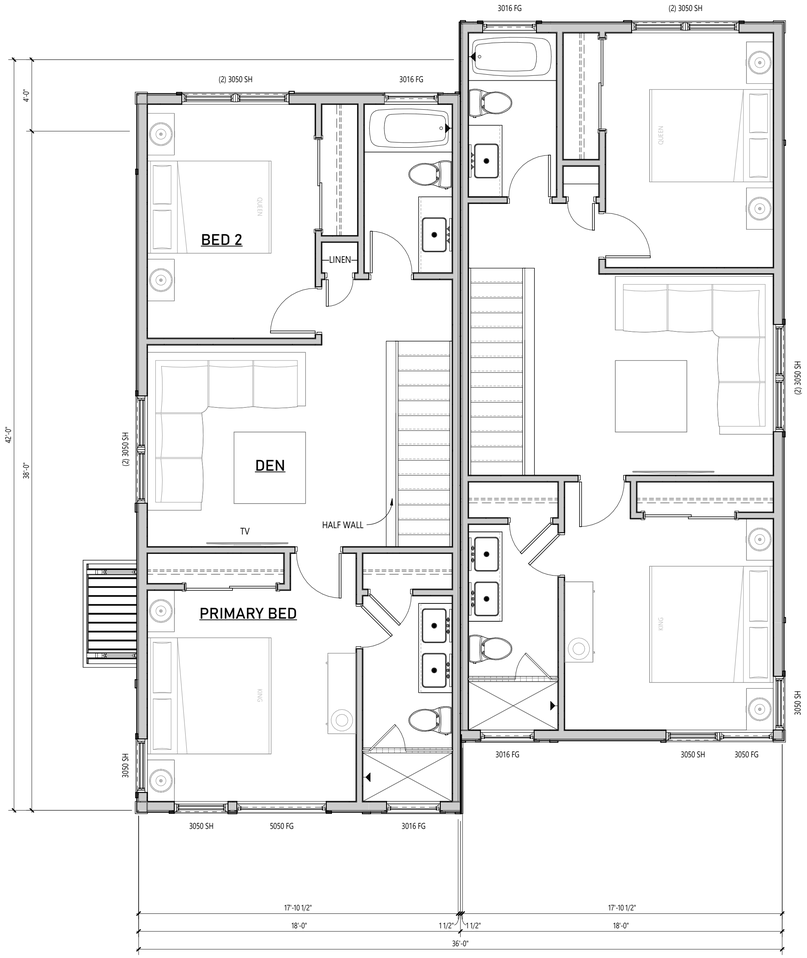
1" = 80'-0"

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026



MAIN LEVEL FLOOR PLAN

1/4" = 1'-0"



UPPER LEVEL FLOOR PLAN

1/4" = 1'-0"

Type "A" Accessibility Keynotes

(All section referenced are from ANSI A117.1 2017)

1 The primary entrance shall be on an accessible route from a common/public area per sections 1103.2, 1103.5, & 404.
2 A maneuvering area required on the outside of the exterior entry door with a running slope no steeper than 1:20 and a cross slope no greater than 1:48 shall be provided. - See section 403.
3 An entry door with compliant hardware located 34-48" above the maneuvering surface, a minimum 10" kick plate and a threshold with max 1/2" ht shall be provided- See section 404.
4 A clear floor space of 30"x52", per setcion 305, positioned for a parallel approach is centered on each laundry appliance. Appliances shall comply with section 611.
5 A lav. positioned for forward approach shall be provided that has a mounting height a max of 34" from the front rim to the finished floor surface- see section 606.
6 Cabinetry may be installed below the accessible lav which may be removed without requiring the removal of the lav, the floor finish extends under the cabinet and the walls are finished per section 1103.11.2.2. The mirror shall have the bottom reflecting surface edge at 40" AFF max.
7 Clearances around the toilet are provided for the minimum clearance (b). Width clearance to be 60" min. from the side wall & 56" from back wall. RE: section 1103.11.2.4. Hand operated flush controls to comply with section 309.
8 An accessible route is provided from the primary entry door and connects all spaces within the unit with passage doors having a min clear opening of 32"- see sections 1103.3 & 404.
9 Blocking is installed in the walls as reinforcement for the future installation of grab bars per section 1103.11.1. At water closet reference section 604.5, section 608.2.3.2 at seat, & section 608.3 for the shower - see diagrams for grab bar locations. The vertical grab bar at the water closet is not required per section 103.11.1, exemption #3.
   - The rear grab bar shall be permitted to be 24" minimum in length centered on the water closet, where wall space does not permit a 36" min. grab bar complying with section 604.5.2 due to location of a recessed fixture adjacent of the water closet. Reinforcement for a rear wall grab bar 24" min. in length shall be provided per 604.5.2, exemption #1.
10 A turning space is provided complying w/ 304.3.1 or 304.3.2 and as required by 1103.3.2.
11 Maneuvering clearance is not required on the interior side of doors to bathrooms / toilet rooms not required to be accessible. RE: sections 1103.11.2 & 1103.5, exception #2.
12 Ref. / freezer & clear floor space positioned for a parallel approach shall comply with section 1103.12.5.6.
   - The centerline of the clear floor space may be offset 24" max. from the centerline of the appliance for parallel approach.
13 A kitchen sink with a forward approach is provided w/ a max height of 34" above finished floor and the clear floor space centered on the bowl- see section 1103.12.4.
14 A countertop work surface min 30" wide and max 34" high shall be provided and positioned for a forward approach. RE: section 1103.12.3 & 1103.12.3.1. Knee & toe clearance per section 306.
15 A clear floor space positioned for parallel approach and centered on the cooktop shall be provided- see section 1103.12.5.4.
16 A clear floor space of 30"x52" which is not obstructed by the oven door in the open position is provided- see section 1103.12.5.5.
17 A clear floor space is positioned adjacent to the dishwasher which is not obstructed by the dishwasher door in the open position & clear of the required floor space at the sink per section 1103.12.5.3.
18 Kitchens shall comply with section 1103.12. All appliances are to comply with section 1103.12.5
19 All interior doors intended for user passage shall comply with sections 1103.5 & 404.
20 All lighting, electric switches, outlets, environmental controls, & similar are to meet the requirements of section 1103.9 & 309.
21 At least one bathroom is required to meet the requirements of section 1103.11.2. Doors are not allowed to swing into the clear floor space or clearance of any fixture with exeption per Exeption 2, Section 603.2.2.
22 Reinforcement shall be provided for the future installation of grab bars. RE: Section 1103.11.1.
23 The bottom edge of the mirror at the accessible lav shall be a max of 40" AFF.
24 A minimum vertical clearance of 98" shall be provided for all "Type A" van accessible parking spots per ICC A117.1 Section 502.6
25 Van parking spaces shall be a minimum of 132" in width with a 60" wide adjacent access aisle extending the full length of the parking spot per ICC A117.1 Sections 502.2 and 502.4.3

Accessibility Legend

ELEVATION

PLAN

Indicates grab bar/ blocking location and length. Dimensions shown reflect length of grab bar itself. Extend backing a min. of 2" beyond required dimensions shown for bar.

Minimum clear floor space required - 30"x48" typ UNO

Note: dimensions on this sheet represent distance from finished wall surface.

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RURAL HOMES COLORADO

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JJ	JJ

Floor Plans - Type A

JOB NO. 40024.26

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026



FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

KEY PLAN
1" = 80'-0"

MATERIAL LEGEND

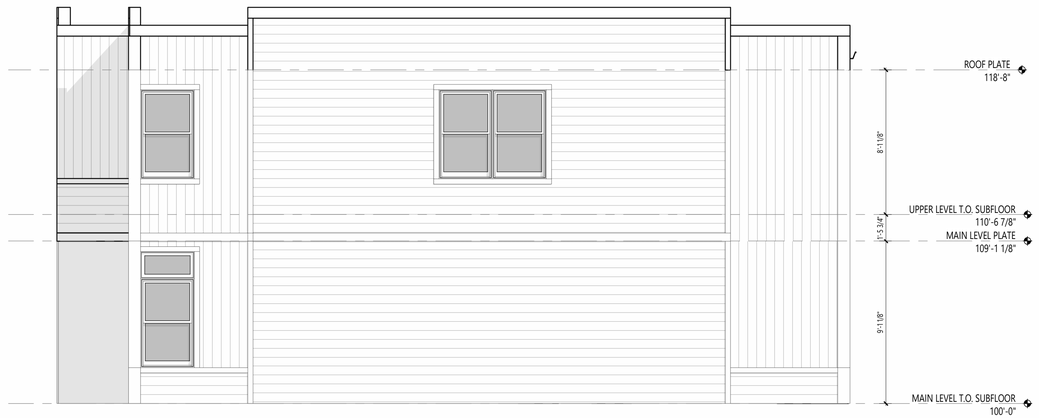
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Elevations - Type A

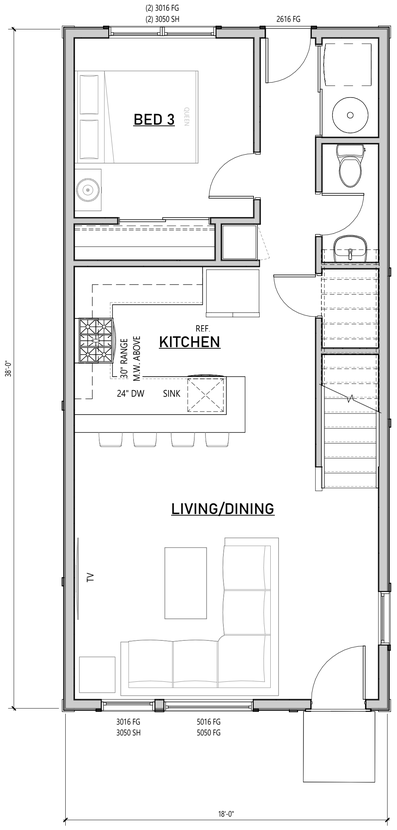
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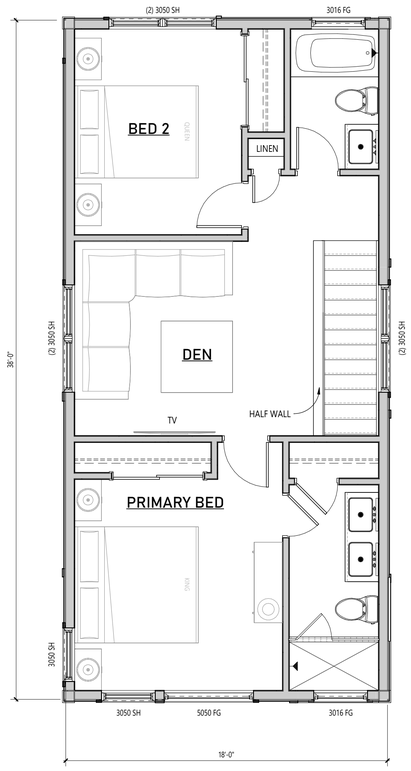


FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

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1/4" = 1'-0"



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Floor Plans - SFD

JOB NO. 40024.26

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026

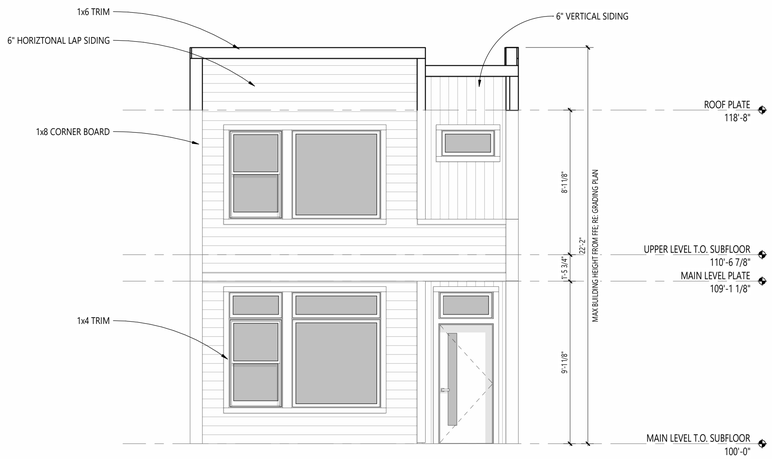


FLUSH UNITS
SFD UNIT
STAGGERED UNITS
TYPE A UNITS

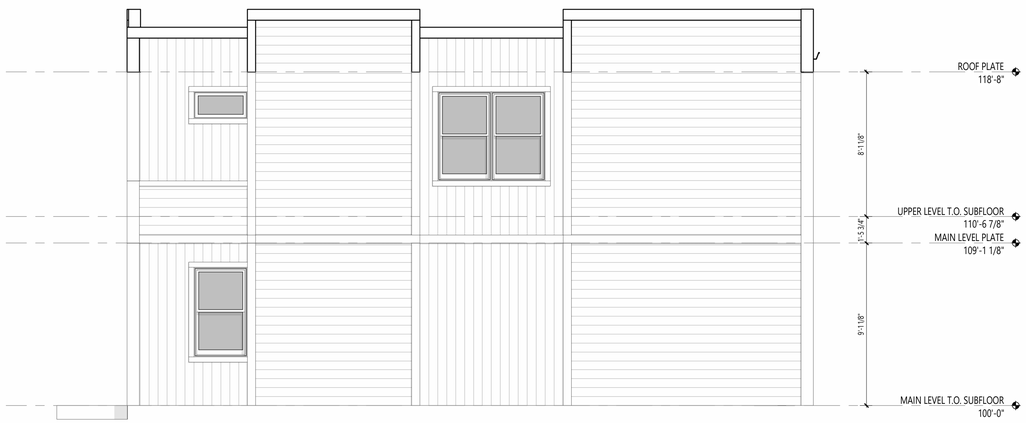
KEY PLAN
1" = 80'-0"



REAR ELEVATION
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Elevations - SFD

JOB NO. 40024.26

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M. COUNTY OF BOULDER, STAGE OF COLORADO
CASE #: PUPL-XXXX-2026



NORTH EAST PERSPECTIVE



NORTH PERSPECTIVE

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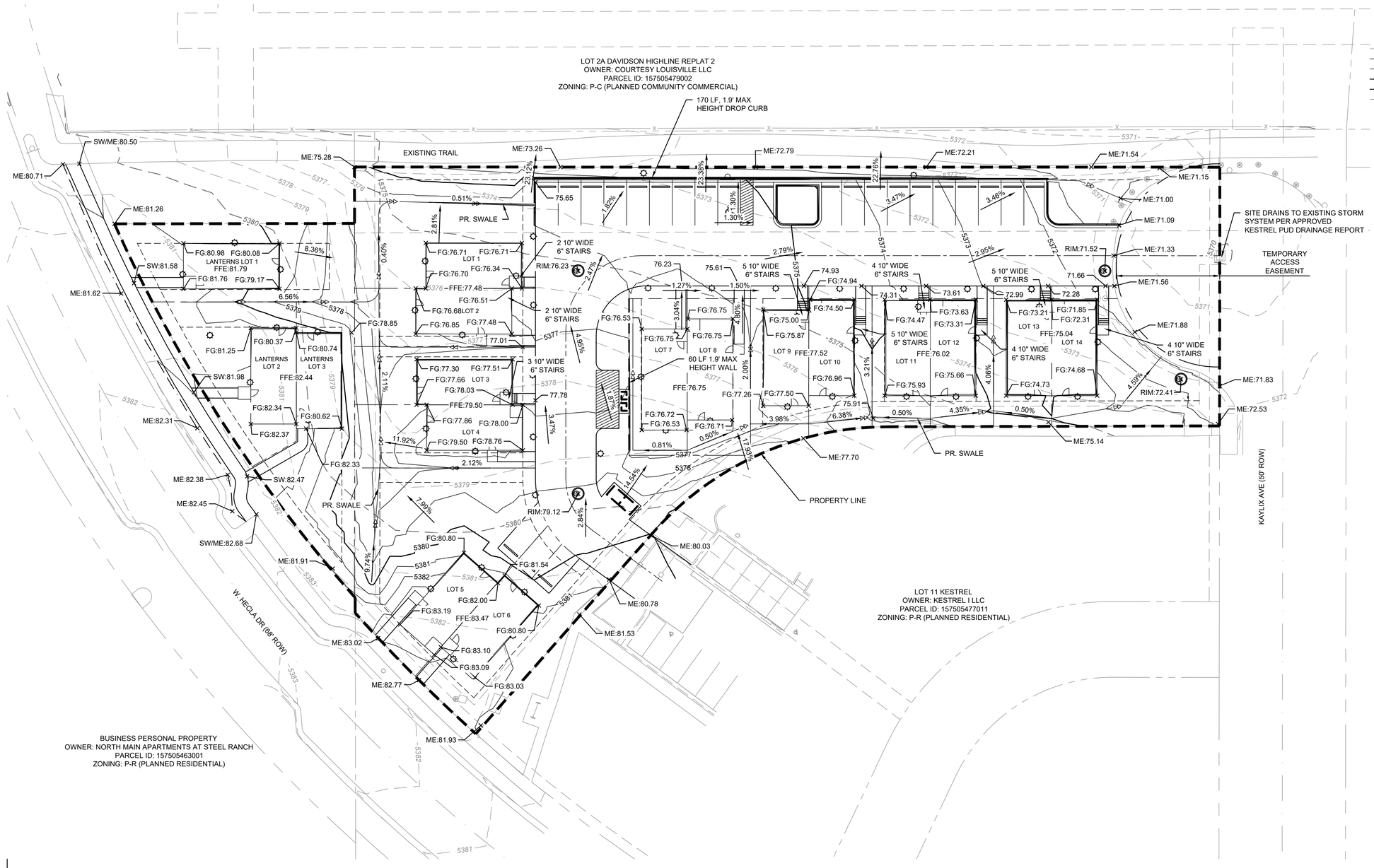
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JJ	JJ

Perspectives

JOB NO. 40024.26

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO



LEGEND
- XXXX — EXISTING MINOR CONTOUR
- XXXX — EXISTING MAJOR CONTOUR
- XXXX — PROPOSED MINOR CONTOUR
- XXXX — PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- GRADE BREAK LINE
- X.XX% H:V SLOPE

GRADING PLAN NOTES
1. ALL SPOT ELEVATIONS ARE AT FLOWLINES UNLESS OTHERWISE NOTED.
2. ELEVATIONS ARE TRUNCATED, ADD 5300 TO ALL ELEVATIONS.
3. LOCATION & RIM ELEVATION REFERENCE POINTS FOR UTILITY STRUCTURES ARE AS FOLLOWS:
   - CENTER OF STRUCTURE FOR MANHOLES
   - AREA INLETS
     - RIM IS CENTER OF GRATE OR CENTER OF MANHOLE STRUCTURE
     - LOCATION IS CENTER OF BOX

ABBREVIATIONS
FFE	– FINISHED FLOOR ELEVATION
FG	– FINISH GRADE
ME	– MATCH EXISTING
RIM	– RIM ELEVATION
SW	– SIDEWALK

N

0' 10' 20' 40'
SCALE IN FEET

LandDesign.
3070 Blake Street, Suite 200
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970.369.9616

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DENVER, CO 80205
703.549.7784

ARCHITECT
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DENVER, CO, 80205
303.442.5882

PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#

REVISION / ISSUANCE

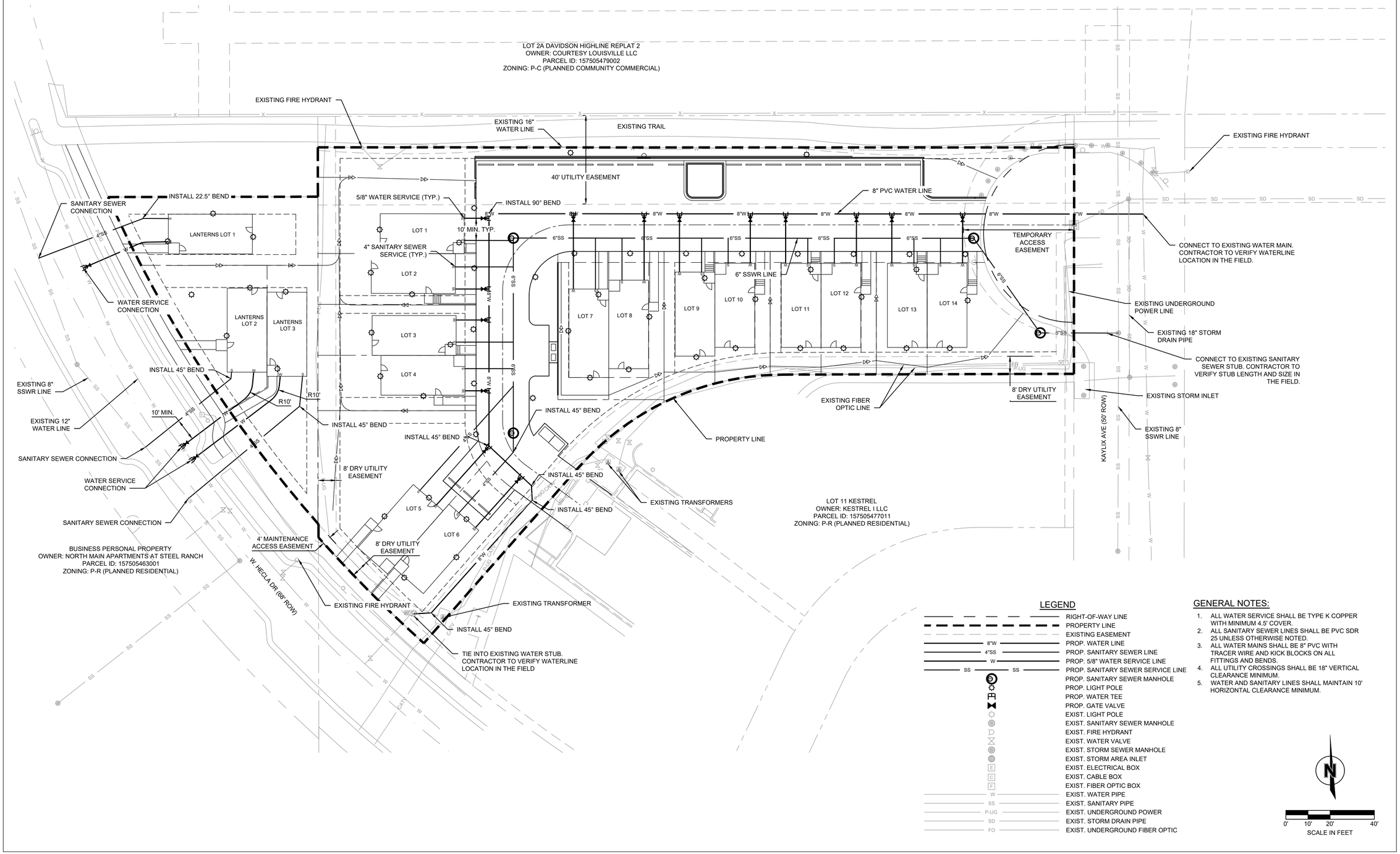
NO.	DESCRIPTION	DATE

SHEET TITLE
GRADING PLAN

SHEET NUMBER
C3.0
14 OF 21

ORIGINAL SHEET SIZE: 24" X 36"

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO



LEGEND

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- EXISTING EASEMENT
- PROP. WATER LINE
- PROP. SANITARY SEWER LINE
- PROP. 5/8" WATER SERVICE LINE
- PROP. SANITARY SEWER SERVICE LINE
- PROP. SANITARY SEWER MANHOLE
- PROP. LIGHT POLE
- PROP. WATER TEE
- PROP. GATE VALVE
- EXIST. LIGHT POLE
- EXIST. SANITARY SEWER MANHOLE
- EXIST. FIRE HYDRANT
- EXIST. WATER VALVE
- EXIST. STORM SEWER MANHOLE
- EXIST. STORM AREA INLET
- EXIST. ELECTRICAL BOX
- EXIST. CABLE BOX
- EXIST. FIBER OPTIC BOX
- EXIST. WATER PIPE
- EXIST. SANITARY PIPE
- EXIST. UNDERGROUND POWER
- EXIST. STORM DRAIN PIPE
- EXIST. UNDERGROUND FIBER OPTIC

GENERAL NOTES:

1. ALL WATER SERVICE SHALL BE TYPE K COPPER WITH MINIMUM 4.5' COVER.
2. ALL SANITARY SEWER LINES SHALL BE PVC SDR 25 UNLESS OTHERWISE NOTED.
3. ALL WATER MAINS SHALL BE 8" PVC WITH TRACER WIRE AND KICK BLOCKS ON ALL FITTINGS AND BENDS.
4. ALL UTILITY CROSSINGS SHALL BE 18" VERTICAL CLEARANCE MINIMUM.
5. WATER AND SANITARY LINES SHALL MAINTAIN 10' HORIZONTAL CLEARANCE MINIMUM.

0' 10' 20' 40'
SCALE IN FEET

ORIGINAL SHEET SIZE: 24" X 36"

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PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
UTILITY PLAN

SHEET NUMBER
C4.0
15 OF 21

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO

OVERSTORY PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	M. HT.	M. SPR.	QTY
DECIDUOUS TREES							
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CAL	B&B	40`	40`	3
GA	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	2.5" CAL	B&B	40`	25`	2
PB	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANE TREE	2.5" CAL	B&B	50`	40`	4
EVERGREEN TREES							
JC	JUNIPERUS SCOPULORUM 'COLOGREEN'	COLOGREEN JUNIPER	8` HT	B&B	15`	5`	6
PE	PINUS HELDREICHII 'EMERALD ARROW'	EMERALD ARROW BOSNIAN PINE	8` HT	B&B	15`	8`	4

UNDERSTORY PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	MAT. HT.	MAT. SPR	SPACING	QTY
SHRUBS								
AR	AMELANCHIER ALNIFOLIA 'REGENT'	REGENT SERVICEBERRY	5 GAL	CONT.	4`	4`	48" o.c.	8
CB2	CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	BLUE MIST BLUEBEARD	5 GAL	CONT.	3`	3`	36" o.c.	21
CH	CORNUS ALBA 'BAILHALO'	IVORY HALO® TATARIAN DOGWOOD	5 GAL	CONT.	5`	5`	36" o.c.	15
CR	CORNUS ALBA 'REGNZAM'	RED GNOME™ TATARIAN DOGWOOD	5 GAL	CONT.	4`	4`	48" o.c.	24
HL	HYDRANGEA PANICULATA 'LIMELIGHT'	LIMELIGHT PANICLE HYDRANGEA	5 GAL	CONT.	8`	8`	96" o.c.	6
SB2	SAMBUCUS NIGRA 'BLACK LACE'	BLACK LACE ELDERBERRY	5 GAL	CONT.	8`	8`	96" o.c.	21
CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	MAT. HT.	MAT. SPR.	SPACING	QTY
GROUND COVERS								
BB	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL	CONT.	30"	30"	24" o.c.	76
PS	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	1 GAL	CONT.	48"	48"	36" o.c.	19
SOD								
TS	NATIVE SOD	NATIVE SOD	SOD					6,524 SF

PLANT MEDLEY SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	MAT. HT.	MAT. SPR.	SPACING	QTY
GROUND COVERS								
	MEDLEY 1							1,980 SF
BB	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	1 GAL	CONT.	30"	30"	16% @ 24" o.c.	82
IG	IRIS X GERMANICA	GERMAN IRIS	1 GAL	CONT.	36"	24"	16% @ 20" o.c.	119
MR	MAHONIA REPENS	CREEPING MAHONIA	1 GAL	CONT.	24"	36"	17% @ 24" o.c.	83
RG	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	GOLDSTURM CONEFLOWER	1 GAL	CONT.	36"	24"	17% @ 24" o.c.	83
SB	SCHIZACHYRIUM SCOPARIUM 'BLAZE'	BLAZE LITTLE BLUESTEM	1 GAL	CONT.	36"	24"	17% @ 24" o.c.	83
SR	SOLIDAGO RUGOSA 'FIREWORKS'	FIREWORKS WRINKLELEAF GOLDENROD	1 GAL	CONT.	36"	30"	17% @ 24" o.c.	83

LANDSCAPE REQUIREMENTS

REQUIRED LANDSCAPE		MEASUREMENT	REQUIRED	PROVIDED
1 TREE, 5 SHRUBS, & 5 ORNAMENTAL GRASSES PER 1,500 SQ FT		27,645 SF	19 TREES 95 SHRUBS 95 ORNAMENTAL GRASSES	19 TREES 95 SHRUBS 95 ORNAMENTAL GRASSES

LANDSCAPE INTENT:

OVERALL STATEMENT OF INTENT
KESTREL IS ORGANIZED AROUND A SERIES OF PARKS, GARDENS, PLAY SPACES AND PEDESTRIAN-ORIENTED STREETS.

THE FOLLOWING LANDSCAPE STANDARDS WERE SET FORTH IN THE OVERALL KESTREL FINAL DEVELOPMENT PLAN / PLANNED UNIT DEVELOPMENT. ONLY INFORMATION AND STANDARDS PERTINENT TO THE CURRENT PROJECT EXTENTS ARE INCLUDED. THE LANDSCAPE STANDARDS ARE TO ENSURE THAT THE LANDSCAPE THROUGHOUT THE COMMUNITY WILL BE A STRONG, UNIFYING ELEMENT THAT COMPLEMENTS THE CITY OF LOUISVILLE AND SURROUNDING AREAS.

A. RIGHT OF WAY
1. WEST HECLA DRIVE
   a. ONE TREE PER 40 L.F. (MINIMUM) OF RIGHT-OF-WAY (BOTH SIDES OF STREET, AVERAGE)
   b. ORNAMENTAL GRASSES, GROUNDCOVERS, PERENNIALS AND BULBS
2. KAYLIX AVENUE
   a. ONE SHADE TREE, ORNAMENTAL TREE, OR DWARF EVERGREEN TREE PER 20 LINEAL FEET OF R.O.W. LOCATED WITHIN 15' OF R.O.W.
      a.a. DECIDUOUS SHADE TREES WHERE SPACE PERMITS
      a.b. ORNAMENTAL DECIDUOUS TREES OR DWARF EVERGREEN TREES WHERE SPACE DOES NOT PERMIT LARGE SHADE TREES

3. PARKING LOTS
   a. ONE TREE AND THREES SHRUBS PER EIGHT PARKING SPACES, OR A COMBINATION THEREOF AS AGREED UPON WITH THE PLANNING DEPARTMENT

B. COMMON AREAS
1. PARKS
   a. POCKET PARKS
      a.a. MINIMAL BLUEGRASS LAWN IN KEY SPACES
      a.b. XERIC NATIVE PERENNIALS, SHRUBS, AND ORNAMENTAL GRASSES
   b. NATURAL AREA
      b.a. THIS ZONE WITH FACILITATE RECREATION AND STORMWATER MANAGEMENT
      b.b. NATIVE TREES WILL BE ABOFE THE 100-YEAR FLOOD LEVEL

C. RESIDENTIAL LANDSCAPES
1. CONSISTENT PALETTE OF XERIC NATIVE AND ADAPTABLE PERENNIALS, SHRUBS, GROUNDCOVERS AND ORNAMENTAL GRASSES
2. MINIMUM 1 TREE, 5 SHRUBS, & 5 ORNAMENTAL GRASSES PER 1500 S.F.
3. HORSE TROUGH PLANTERS AT FRONT AND BACK PORCHES; VEGETATION SUPPLIED BY RESIDENTS

GENERAL NOTES:

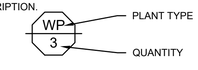
1. PLANTINGS SHALL BE IRRIGATED BY AN UNDERGROUND, AUTOMATIC IRRIGATION SYSTEM. TURF AREAS WILL BE SPRAY IRRIGATED. TREES, SHRUBS, LANDSCAPE BEDS AND TREE LAWNS LESS THAN 10' WIDE SHALL BE SUBSURFACE IRRIGATED. THE PROPOSED SYSTEM SHALL COORDINATE AND CONNECT TO THE EXISTING IRRIGATION SYSTEMS. R.O.W. AREAS SHALL HAVE PERMANENT IRRIGATION SYSTEMS. IRRIGATION SYSTEMS SHALL BE COMPATIBLE TO THE CITY'S EXISTING TORO-SENTINEL CENTRAL CONTROL SYSTEM. DESIGN SHALL INCLUDE A FIELD SATELLITE CONTROLLER, MASTER VALVES, FLOW CONTROL VALVES AND E.T. SENSORS. THE STANDARD SHALL APPLY TO CITY-OWNED PROPERTY.
2. LANDSCAPE IMPROVEMENTS IN TRACTS SHALL BE OWNED AND MAINTAINED BY THE DEVELOPER AND / OR HOMEOWNERS ASSOCIATION.
3. INDIVIDUAL LOT OWNERS SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE OF PRIVATE LOTS.
4. PRIVATELY OWNED AND MAINTAINED AREAS INTENDED FOR IRRIGATED AND MOWED TURF SHALL NOT EXCEED 4:1 SLOPE. PRIVATELY OWNED NATIVE GRASSES AND SHRUB BEDS SHALL NOT EXCEED 3:1 SLOPE.
5. 30' SIGHT TRIANGLES ARE SHOWN ON THE PLANS, PER LOUISVILLE MUNICIPAL CODE. A VISION CLEARANCE AREA SHALL CONTAIN NO PLANTINGS, WALLS, STRUCTURES, OR TEMPORARY OR PERMANENT OBSTRUCTIONS EXCEEDING 2.5' IN HEIGHT, MEASURED FROM THE TOP OF THE CURB OR EXISTING GRADE, UNLESS SUCH STRUCTURE OR OBSTRUCTIONS ARE MORE THAN 80 PERCENT OPEN.
6. MECHANICAL DEVICES SHALL BE SCREENED WITH LANDSCAPE MATERIAL.

PLANT PALETTE & MINIMUM SIZES
A LOW WATER REQUIREMENT PLANT PALETTE IS PROPOSED. ADDITIONAL PLANTS MAY BE PROPOSED IN SUBSEQUENT PROCESSES. IN GENERAL, A MINIMUM PLANT SIZE OF 2" CALIPER FOR DECIDUOUS TREES, 6' MINIMUM HEIGHT FOR EVERGREENS (A MINIMUM OF 25% OF TOTAL EVERGREENS A HEIGHT OF 8'), AND 5-GALLON CONTAINER FOR SHRUBS IS REQUIRED, AS AN ALTERNATIVE, SMALLER PLANTS MAY BE INSTALLED IN GREATER QUANTITY, AS DESCRIBED BELOW:
FOR 10 2" CAL. TREES 15 1.5" CAL. TREES OR 30 15-GALLON CONTAINER TREES MAY BE SUBSTITUTED; FOR 10 5-GALLON SHRUBS, 15 2-GALLON SHRUBS, OR 30 1-GALLON SHRUBS MAY BE SUBSTITUTED.

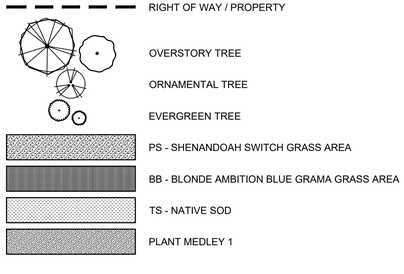
NOTE: DECIDUOUS TREES SHALL BE PLANTED NO CLOSER THAN 7' FROM WET UTILITIES. EVERGREEN TREES SHALL BE PLANTED NO CLOSER THAN 10' FROM ALL WET UTILITIES. TREES OUTSIDE OF THE R.O.W. SHALL BE PLANTED NO CLOSER THAN 5' FROM BACK OF WALKS / CURBS.

LANDSCAPE GENERAL NOTES:

1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF LOUISVILLE, CO IN CURRENT USAGE. ALL STANDARDS NOT COVERED BY THE CITY SHALL BE APWA STANDARDS IN CURRENT USAGE UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, DRAIN LINES AND IRRIGATION PIPING PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, DRAIN LINES AND IRRIGATION PIPING.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINAL GRADES WITH LANDSCAPE ARCHITECT PRIOR TO COMPLETION.
4. DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
5. LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
6. THE LANDSCAPE PLANTING PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES SHALL BE PLACED IN THE FIELD TO UTILIZE THE GREATEST COVERAGE OF THE GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
   -ALL EVERGREEN SHRUBS AND CREEPING GROUNDCOVERS SHALL BE MINIMUM OF 2' FROM ANY PAVING EDGE.
   -ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED AND SITED FOR THE BEST AESTHETIC VIEWING.
   -ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
7. ANY SUBSTITUTION OF SPECIFIED PLANT MATERIAL WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
8. MULCH ALL PLANTING AREAS TO A DEPTH OF 3" DEPTH ACCORDING TO PLANS AND SPECIFICATIONS. SAMPLES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
9. ALL PLANT MATERIAL WILL BE HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECTS PER AAN STANDARDS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY INFERIOR OR OTHERWISE UNSUITABLE PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT.
10. ALL PLANTING BEDS NOT FULLY CONTAINED BY CONCRETE CURBS OR WALKS SHALL BE EDGED ACCORDING TO PLANS AND SPECIFICATIONS.
11. PLANTS AND LANDSCAPE MATERIALS SHALL BE INSTALLED AS DETAILED ON PLANS.
12. PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
13. ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER RECOMMENDED RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
14. ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
15. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S FINAL ACCEPTANCE OF FINISHED JOB. ALL DEAD AND DAMAGED PLANT MATERIAL SHALL BE REPLACED BY LANDSCAPE CONTRACTOR AT THEIR EXPENSE. LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
16. ALL LANDSCAPE BEDS SHALL BE MOUNDED AS SHOWN ON PLANS AND DETAILS.
17. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL PLANT QUANTITIES REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, AND BASE THEIR BID ACCORDINGLY.
18. PLANT KEY DESCRIPTION.



LANDSCAPE LEGEND:



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ARCHITECT
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303.442.5882

PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#
3526025

REVISION / ISSUANCE

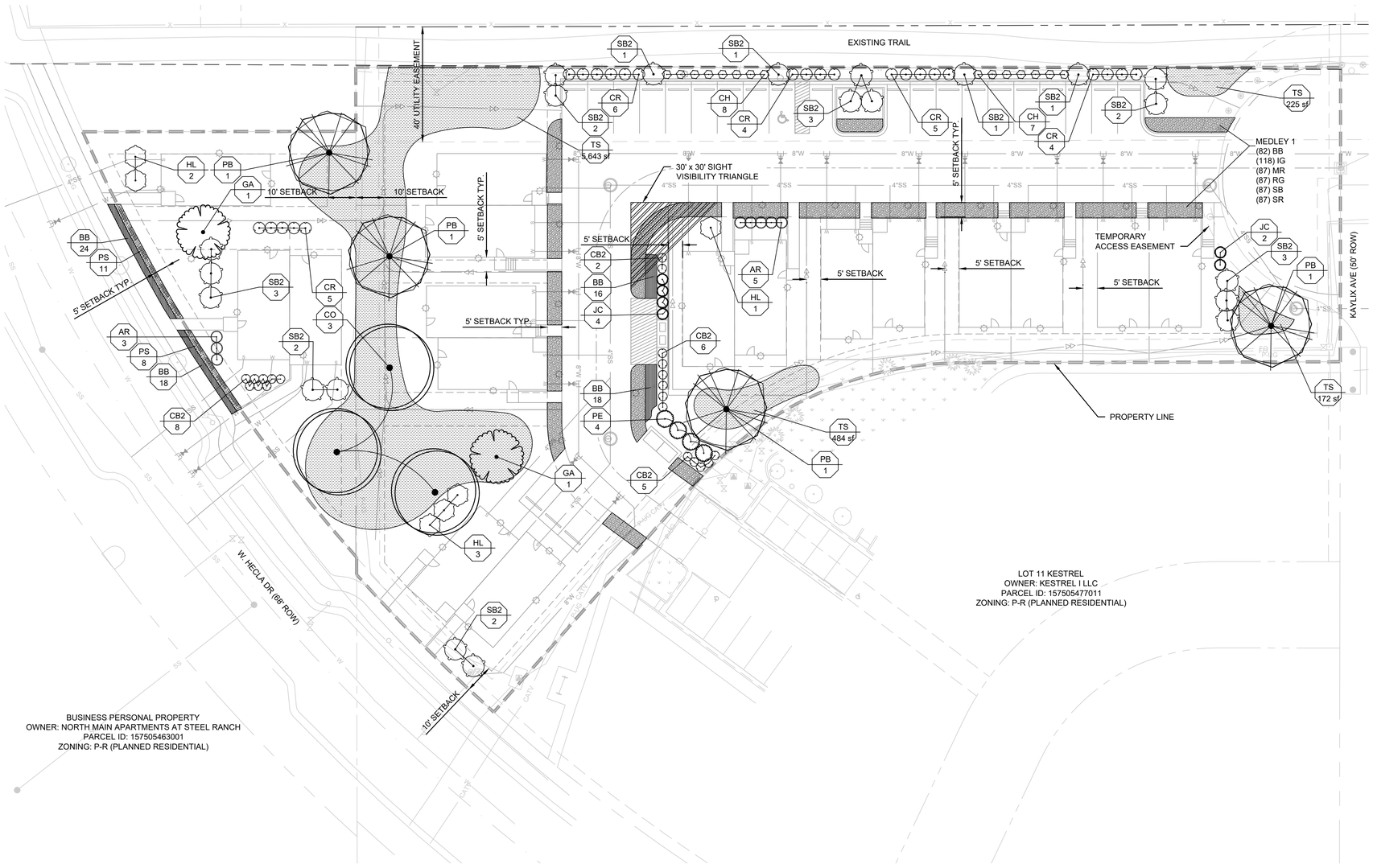
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SHEET TITLE
LANDSCAPE NOTES

SHEET NUMBER
L1.0
16 OF 21

ORIGINAL SHEET SIZE: 24" X 36"

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
DECIDUOUS TREES	
CO	CELTIS OCCIDENTALIS COMMON HACKBERRY
GA	GINKGO BILOBA 'AUTUMN GOLD' AUTUMN GOLD MAIDENHAIR TREE
PB	PLATANUS X ACERIFOLIA 'BLOODGOOD' BLOODGOOD LONDON PLANE TREE
EVERGREEN TREES	
JC	JUNIPERUS SCOPULORUM 'COLOGREEN' COLOGREEN JUNIPER
PE	PINUS HELDREICHII 'EMERALD ARROW' EMERALD ARROW BOSNIAN PINE
SHRUBS	
AR	AMELANCHIER ALNIFOLIA 'REGENT' REGENT SERVICEBERRY
CB2	CARYOPTERIS X CLANDONENSIS 'BLUE MIST' BLUE MIST BLUEBEARD
CH	CORNUS ALBA 'BAILHALO' IVORY HALO® TATARIAN DOGWOOD
CR	CORNUS ALBA 'REGNZAM' RED GNOME™ TATARIAN DOGWOOD
HL	HYDRANGEA PANICULATA 'LIMELIGHT' LIMELIGHT PANICLE HYDRANGEA
SB2	SAMBUCUS NIGRA 'BLACK LACE' BLACK LACE ELDERBERRY
GROUND COVERS	
BB	BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION BLUE GRAMA
PS	PANICUM VIRGATUM 'SHENANDOAH' SHENANDOAH SWITCH GRASS
SOD	
TS	NATIVE SOD NATIVE SOD

LANDSCAPE LEGEND:

- RIGHT OF WAY / PROPERTY
- OVERSTORY TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- PS - SHENANDOAH SWITCH GRASS AREA
- BB - BLONDE AMBITION BLUE GRAMA GRASS AREA
- TS - NATIVE SOD
- PLANT MEDLEY 1

N

0' 10' 20' 40'
SCALE IN FEET

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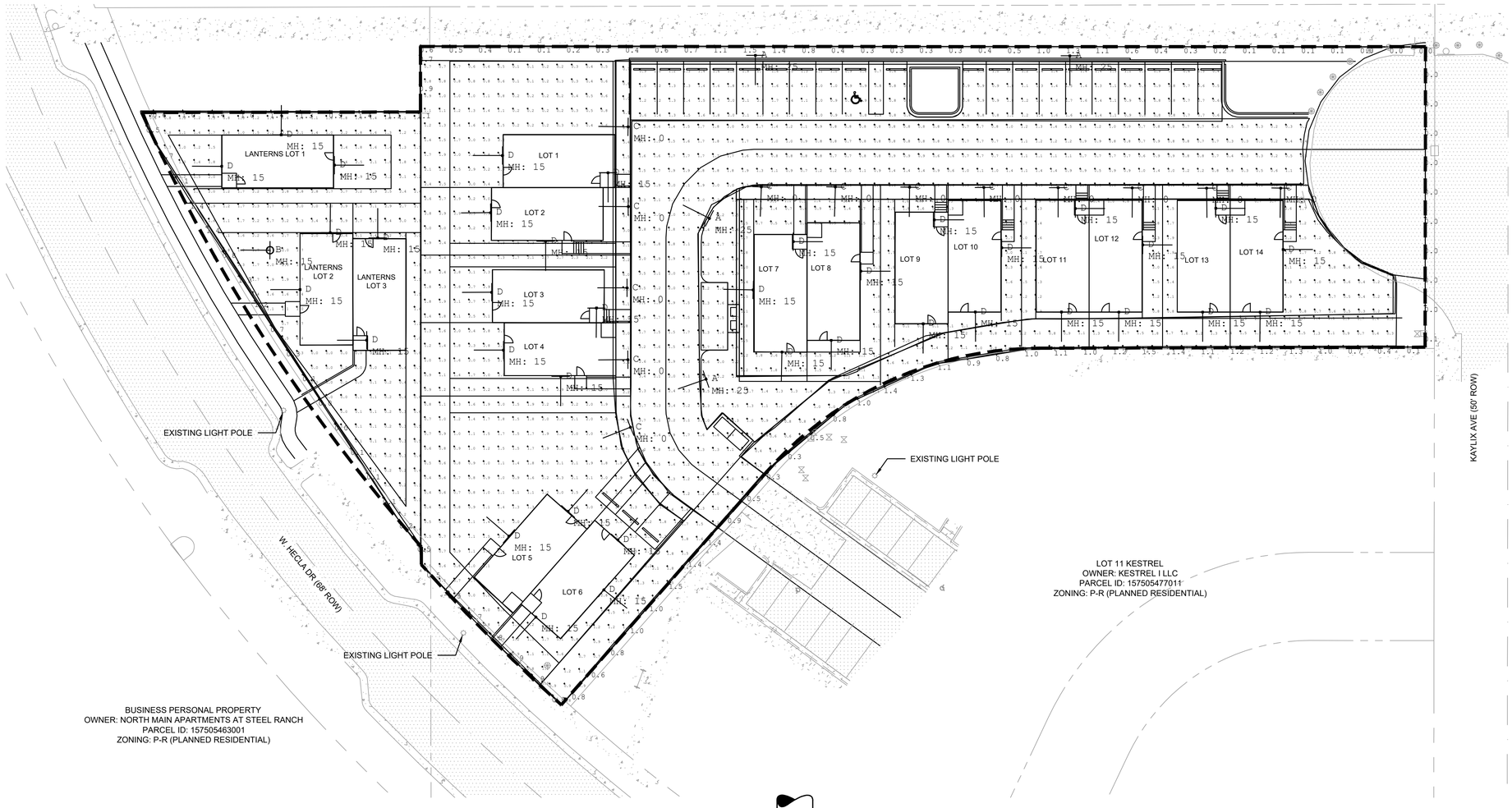
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LANDSCAPE PLAN

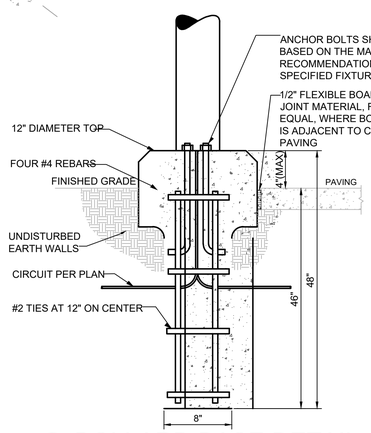
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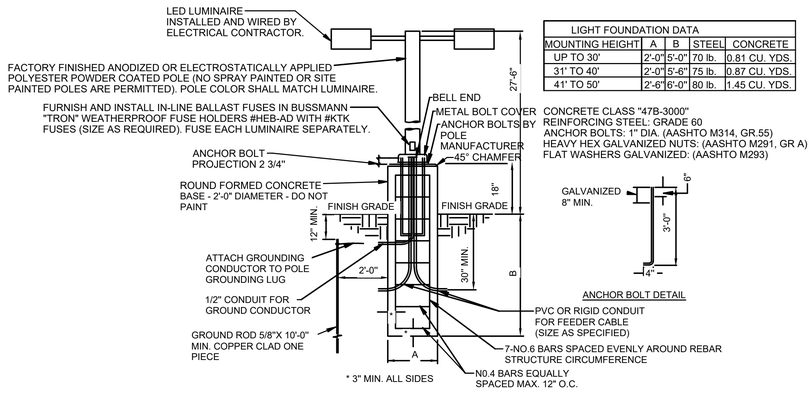


Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LANTERNS LOT 1-3_Planar	Illuminance	Fc	1.46	4.4	0.0	N.A.	N.A.
LOT 1-14_Planar	Illuminance	Fc	1.31	3.1	0.1	13.10	31.00
LOT 1-6_Planar	Illuminance	Fc	1.61	4.7	0.0	N.A.	N.A.
PARKING LOT_Planar	Illuminance	Fc	1.16	2.6	0.4	2.90	6.50
PROPERTY LINE	Illuminance	Fc	0.67	1.5	0.0	N.A.	N.A.
ROADWAY_Planar	Illuminance	Fc	1.52	5.8	0.2	7.60	29.50
TEMP PARKING-MAIL_Planar	Illuminance	Fc	1.64	2.7	0.6	2.73	4.50
WALKWAY_Planar	Illuminance	Fc	1.82	8.7	0.1	18.20	87.00

Luminaire Schedule									
Label	Qty	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
STREET LIGHT	4	Single	GLAN-SA1C-727-U-T3R	A	0.917	6088	57	228	25
PATHWAY	1	Single	GPLF3 P10 27K PTH	B	0.917	3681	30	30	15
BOLLARD	13	Single	KBD8 LED 12C 350 30K ASY MVOLT	C	0.917	641	16	208	0
WALL MOUNT	37	Single	ISC-SA1A-727-U-SL3	D	0.917	2296	20.1	743.7	15



1 BOLLARD BASE DETAIL
SCALE: NOT TO SCALE

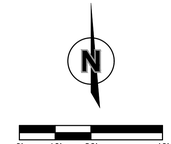


LIGHT FOUNDATION DATA				
MOUNTING HEIGHT	A	B	STEEL	CONCRETE
UP TO 30'	2'-0"	5'-0"	70 lb.	0.81 CU. YDS.
31' TO 40'	2'-0"	5'-6"	75 lb.	0.87 CU. YDS.
41' TO 50'	2'-6"	6'-0"	80 lb.	1.45 CU. YDS.

CONCRETE CLASS "47B-3000"
REINFORCING STEEL: GRADE 60
ANCHOR BOLTS: 1" DIA. (AASHTO M314, GR.55)
HEAVY HEX GALVANIZED NUTS: (AASHTO M291, GR A)
FLAT WASHERS GALVANIZED: (AASHTO M293)

ANCHOR BOLT DETAIL

2 RAISED CONCRETE FOUNDATION
SCALE: NOT TO SCALE



SCALE IN FEET

GENERAL SHEET NOTES

A. ALL SITE LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ELECTRICAL PLANS, PHOTOMETRIC PLAN, LUMINAIRE SCHEDULE, NEC, AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

B. LUMINAIRE LOCATIONS SHOWN ARE DIAGRAMMATIC. COORDINATE FINAL POLE AND FIXTURE LOCATIONS WITH CIVIL, LANDSCAPE, ARCHITECTURAL, AND UNDERGROUND UTILITY PLANS PRIOR TO INSTALLATION.

C. PROVIDE LUMINAIRES WITH TYPE, DISTRIBUTION, LUMEN OUTPUT, CCT, VOLTAGE, MOUNTING HEIGHT, AND OPTICS AS INDICATED ON THE LUMINAIRE SCHEDULE AND PHOTOMETRIC CALCULATIONS.

D. CONTRACTOR SHALL VERIFY THAT INSTALLED LIGHTING DOES NOT CONFLICT WITH TREES, SIGNS, FIRE HYDRANTS, UTILITIES, ACCESSIBLE ROUTES, OR OTHER SITE FEATURES.

E. THE CONTRACTOR SHALL PERSONALLY INSPECT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

F. PROVIDE LIGHT FIXTURES AS SCHEDULED ON DRAWINGS. THIS SHALL INCLUDE ALL MATERIAL AND LABOR TO SECURELY HANG FIXTURES, CLEAN THEM AND MAKE THEM COMPLETELY READY FOR USE. ALL LIGHT FIXTURES SHALL INCLUDE ALL NECESSARY ACCESSORIES REQUIRED. LIGHT FIXTURE MODELS SCHEDULED ON THE DRAWINGS ARE TO SHOW THE MANUFACTURER, GRADE AND STYLE OF FIXTURES REQUIRED ONLY. PROVIDE ALL HANGERS, SUPPORTS, AND MISCELLANEOUS HARDWARE REQUIRED TO INSTALL LIGHT FIXTURES.

G. CALCULATED ILLUMINANCE VALUES ARE COMPUTER ESTIMATES BASED ON MANUFACTURER-SUPPLIED PHOTOMETRIC (IES) FILES, THE MOUNTING HEIGHTS AND LOCATIONS SHOWN, AND THE LIGHT LOSS FACTORS LISTED IN THE LUMINAIRE SCHEDULE. ACTUAL FIELD-MEASURED VALUES MAY VARY DUE TO MANUFACTURING TOLERANCES, VOLTAGE, AMBIENT TEMPERATURE, FIXTURE AIMING, SURFACE REFLECTANCES, AND INSTALLATION CONDITIONS.

H. CALCULATIONS ASSUME LEVEL GRADE AT THE CALCULATION PLANE AND DO NOT ACCOUNT FOR OBSTRUCTIONS SUCH AS TREES, LANDSCAPING, VEHICLES, SIGNAGE, OR BUILDING PROJECTIONS UNLESS NOTED. MATURE LANDSCAPING MAY REDUCE ILLUMINANCE LEVELS OVER TIME. I. CALCULATIONS ARE BASED ON MAINTAINED LIGHT LEVELS USING THE LIGHT LOSS FACTORS SHOWN. LIGHT OUTPUT WILL DECREASE OVER THE LIFE OF THE FIXTURES. THE OWNER IS RESPONSIBLE FOR ROUTINE CLEANING AND MAINTENANCE TO SUSTAIN DESIGN LEVELS.

I. CALCULATIONS ARE BASED ON MAINTAINED LIGHT LEVELS USING THE LIGHT LOSS FACTORS SHOWN. LIGHT OUTPUT WILL DECREASE OVER THE LIFE OF THE FIXTURES. THE OWNER IS RESPONSIBLE FOR ROUTINE CLEANING AND MAINTENANCE TO SUSTAIN DESIGN LEVELS.

J. FIXTURE SUBSTITUTIONS, CHANGES TO LUMEN PACKAGE, COLOR TEMPERATURE, OPTICS, MOUNTING HEIGHT, OR POLE LOCATION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. ANY APPROVED SUBSTITUTION REQUIRES REVISED PHOTOMETRIC CALCULATIONS, PREPARED AND PAID FOR BY THE PARTY REQUESTING THE CHANGE.

K. FIXTURE CATALOG NUMBERS ARE SHOWN FOR DESIGN INTENT AND PERFORMANCE BASIS ONLY. THE CONTRACTOR SHALL VERIFY COMPLETE ORDERING CODES WITH THE MANUFACTURER BEFORE PROCUREMENT.

L. POLE FOUNDATIONS, ANCHOR BOLTS, AND POLE WIND-LOAD RATINGS ARE NOT PART OF THIS PHOTOMETRIC PLAN. FOUNDATIONS SHALL BE DESIGNED BY OTHERS PER THE APPLICABLE BUILDING CODE AND THE POLE MANUFACTURER'S REQUIREMENTS.

M. FINAL APPROVAL OF LIGHT LEVELS, LIGHT TRESPASS, FIXTURE SHIELDING, COLOR TEMPERATURE, AND LIGHTING CURFEW REQUIREMENTS RESTS WITH THE AUTHORITY HAVING JURISDICTION (AHJ). REVISIONS REQUIRED BY THE AHJ MAY REQUIRE ADDITIONAL DESIGN SERVICES.

N. THE CONTRACTOR SHALL VERIFY FIXTURE OPERATION, AIMING, AND CONTROLS (PHOTOCELL, TIMECLOCK, DIMMING) AFTER INSTALLATION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE FINAL ACCEPTANCE.

O. ALL EXTERIOR LIGHT FIXTURES SHALL BE FULL CUT-OFF.

P. LIGHTING CALCULATIONS ARE IN FOOTCANDLES AND RAN AT GRADE/GROUND LEVEL U.O.N.

Q. LIGHTING CALCULATIONS RAN WITH 0.20% AT GROUND.

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NO.	DESCRIPTION	DATE

SHEET TITLE
PHOTOMETRICS PLAN

SHEET NUMBER
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ORIGINAL SHEET SIZE: 24" X 36"

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PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO

Project		Catalog #		Type	A
Prepared by		Notes	Site Lighting	Date	26-09-15



STREETWORKS

GLAN Galleon II

Area / Site Luminaire

Product Certifications & Features

BAA · TAA · BABA · DLC LISTED · DLC LISTED PREMIUM · 3G VIB · IP66 · Light Afterburn™ · UL CERTIFIED · 5 YEAR

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Energy and Performance Data page 6
- Control Options page 17

Product Specifications

OPTICS
- 35-patented AccuLED high efficiency roadway and area optical distributions
- 3-shielding options for spill light control; available factory-installed or as field-installed accessory

ELECTRICAL
- 120–277V, 240–480V, 347V, and 480V, 50/60Hz
- Standard 0-10V dimming
- 10kV and 20kV surge protection options with series or parallel configurations
- -40ºC to 40ºC ambient temperature operating range. Optional 50ºC high ambient (HA) configuration

PHYSICAL CHARACTERISTICS
- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares
- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°
- Housing finished in 5–stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- 5 standard color options. RAL and custom colors also available. Additional charges and lead time apply
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

CONTROLS
- Optional Field Adjustable Dimming Control (FADC) module allows for manual adjustment of lumen output and power usage; factory preset to highest output level. Enables a single SKU to cover multiple field applications

COMPLIANCE
- Meets ANSI C136.25 for IP66 Optical enclosure rating
- Meets ANSI C136.31 for 3G luminaire vibration. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications
- Meets ANSI C136.3 for luminaire field identification label standard
- Meets ANSI C136.22 internal label standard
- Safety listing - Wet Location Listed
- 3,000–hours per ASTM B117, with a scribe rating of 7 per ASTM D1654 for standard color finish
- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654
- DLC and DLC Premium listed- visit designlights.org to confirm listed variations
- BAA domestic preference option meets BAA requirements
- Products that meet BABA Domestic Preference Requirements in This Order: These products is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Products that meet BABA through Exemption - Allows any product to satisfy BABA requirements regardless of domestic content manufacturing for projects funded by FHWA through Oct 1st 2025. See notes portion in Ordering Information section for more detail.
- Products that meet BABA through BAA Exemption - FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. See notes portion in Ordering Information section for more detail.
- Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information.

Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	35 lb	0.99
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

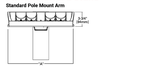
Components shipped separately may be separately analyzed under domestic preference requirements.

TYPICAL APPLICATIONS
- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

WARRANTY
- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern

Type "N"



STREETWORKS — GLAN Galleon II

Ordering Information

SAMPLE NUMBER: **GLAN-SA4C-740-U-T4FT-GM**

Product Family [1, 2]	Light Square	Square Count	Lumen Output	Color Temperature	Voltage	Distribution	Mounting	Finish
GLAN–Galleon II Buy American Act Compliant [3]	**SA**–16 LED Light Square **SB**–25 LED Light Square	**1**–1 Light Square **2**–2 Light Squares **3**–3 Light Squares **4**–4 Light Squares **5**–5 Light Squares **6**–6 Light Squares **7**–7 Light Squares **8**–8 Light Squares **9**–9 Light Squares	**A**–Output Level 1 **B**–Output Level 2 **C**–Output Level 3 **D**–Output Level 4 [4, 5] **Z**–Configured Output [6]	**727**–727K, 2200K **730**–730K, 3000K **735**–735K, 3500K **740**–740K, 4000K **750**–750K, 5000K **815**–815K, 1500K **827**–827K, 2700K **830**–830K, 3000K **835**–835K, 3500K **840**–840K, 4000K **930**–930K, 3000K **935**–935K, 3500K **940**–940K, 4000K **950**–950K, 5000K **AMB**–Amber [8, 9]	**U**–120-277V **H**–277-480V [7, 10] **1**–120V **2**–208V **3**–240V **4**–277V **5**–480V [7, 10] **6**–347V [7] **DV**–277V-480V DuoVolt Drivers [10, 11, 12]	**T1**–Type I **T2**–Type II **T2R**–Type II Roadway **T3**–Type III **T3R**–Type III Roadway **T4FT**–Type IV Forward Throw **T4W**–Type IV Wide **T4VW**–Type IV Very Wide **T5W**–Type V Square Wide **T5VS**–Type V Square Medium **T5VW**–Type V Square Wide **SL2**–Type II w/Spill Control **SL3**–Type III w/Spill Control **SL4**–Type IV w/Spill Control **SLL**–90° Spill Light Eliminator Left **SLR**–90° Spill Light Eliminator Right **AFL**–Automotive Frontline **T2BC**–Type II w/ Backlight Control [13] **T3BC**–Type III w/ Backlight Control [13] **T4BC**–Type IV w/ Backlight Control [13] **RW**–Rectangular Wide [13] **SRC**–90° w/ Backlight Control [13] **TLCL**–Type II Low Glare [13] **TLCR**–Type IV Low Glare [13]	**[Blank]**–Standard Pole Mounting **QM**–Quick Mount Universal Arm **QMA**–Pole Mount Arm with Quick Mount Adapter **SP**–2-3/8" Slipfitter, Adjustable **SP-2**–2-3/8" Slipfitter, Adjustable* **SP2**–2-3/8" Slipfitter, Adjustable* **QMA**–Quick Mount Mast Arm **MA**–Mast Arm, Fixed **WM**–Wall Mount, Fixed **WA**–Wall Mount, Adjustable **UP**–Upswept Arm	**AP**–Grey Aluminum **BK**–Black **DP**–Dark Platinum **GM**–Graphite Metallic **WH**–White **RAL5X**–Custom Color

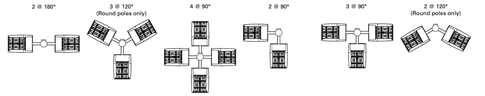
Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [17]
DIM–External 0-10V Dimming Leads [14] **F**–Single Fuse (120, 277 or 347V Specify Voltage) **FF**–Double Fuse (208, 240 or 480V Specify Voltage) **2W**–20kV UL 1449 fused surge protective device [15] **HA**–50°C High Ambient [16] **HA**–50°C High Ambient [16] **HSS**–Installed House Side Shield [17] **GBSBK**–Glare Reducing Shield, Black [18] **GBSWH**–Glare Reducing Shield, White [18] **KN**–Tool-less Door Latch to Match Housing [19] **TH**–Tool-less Door Hardware [19] **CC**–Coastal Construction finish [20] **L90**–Optics Rotated 90° Left **R90**–Optics Rotated 90° Right **AHS1.5**–After Hours Dim, 1.5 Hours [21] **AHS3**–After Hours Dim, 3 Hours [21] **AHS255**–After Hours Dim, 7 Hours [21] **AHS305**–After Hours Dim, 8 Hours [21] **DALI**–DALI Drivers	**BPC**–Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. [4] **PR**–NEMA 3-PIN Photocontrol Receptacle **PR7**–NEMA 7-PIN Photocontrol Receptacle [22] **FADC**–Field Adjustable Dimming Controller [23] **SPBC**–Dimming Motion Sensor [24] **SPB2**–Dimming Motion Sensor, 8'-20' mounting [25] **SPB4**–Dimming Motion Sensor, 21'-40' mounting [25] **SPB2LN**–Dimming Motion Sensor, limited square count, 8'-20' mounting [25] **SPB4LN**–Dimming Motion Sensor, limited square count, 21'-40' mounting [25] **WLSBC**–Wireless Motion Sensor for Dimming Operation, 8'-20' Mounting [26] **WLSDM-L40**–Motion Sensor for Dimming Operation, 21'-40' Mounting [26] **WLS2ZX**–WiredLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 11' Mounting [26, 27, 28] **WLS4ZX**–WiredLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 11' - 20' Mounting [26, 27, 28] **WPS2ZX**–WiredLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 11' Mounting [26, 27, 28] **WPS4ZX**–WiredLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 11' - 40' Mounting [26, 27, 28] **DMS9-L20**–AirMesh Occupancy Sensor (9'-20' Mounting) [26, 28] **DMS0-L40**–AirMesh Occupancy Sensor (21'-40' Mounting) [26, 28] **DMS-CBN**–AirMesh Combo Sensor (10' - 40' Mounting) [26, 28]	**GA/GA1016**–NEMA Photocontrol-Multi-Tap - 105-285V **GA/GA1027**–NEMA Photocontrol - 480V **GA/GA1221**–NEMA Photocontrol - 347V **GA/GA1810**–Photocontrol Shorting Cap **GA/GA1835**–Photocontrol - 277V **MA1722**–10kV Surge Module Replacement **MA1826-XX**–Single Tenon Adapter for 2 3/8" O.D. Tenon **MA1827-XX**–(2@180° Tenon Adapter for 2 3/8" O.D. Tenon **MA1197-XX**–(2@120° Tenon Adapter for 2 3/8" O.D. Tenon **MA1198-XX**–(3@120° Tenon Adapter for 2 3/8" O.D. Tenon **MA1199-XX**–(3@90° Tenon Adapter for 2 3/8" O.D. Tenon **MA1200-XX**–(4@90° Tenon Adapter for 2 3/8" O.D. Tenon **MA1717-XX**–(2@120° Tenon Adapter for 2 3/8" O.D. Tenon **MA1828-XX**–Single Tenon Adapter for 3 1/2" O.D. Tenon **MA1829-XX**–(2@180° Tenon Adapter for 3 1/2" O.D. Tenon **MA1192-XX**–(2@120° Tenon Adapter for 3 1/2" O.D. Tenon **MA1193-XX**–(3@120° Tenon Adapter for 3 1/2" O.D. Tenon **MA1194-XX**–(3@90° Tenon Adapter for 3 1/2" O.D. Tenon **MA1195-XX**–(4@90° Tenon Adapter for 3 1/2" O.D. Tenon **SBA25B**–Adapter kit for mounting 2" SP arm to 2 3/8" O.D. vertical tenon **WSC-CBN**–Wireless Configuration Tool for MS/GIM [29] **LS/RSD**–Field Installed House Side Shield [17] **LS/GBSBK-2PK**–Glare Reducing Shield, Black [18] **LS/GBSWH-2PK**–Glare Reducing Shield, White [18] **LS/PFS**–Perimeter Shield, Black [30] **WSC-7P-15A**–WiredLinx Outdoor Control Module [31, 32, 33] **TL7-G1-HV**–AirMesh 7-PIN node, 110-480V [31, 32, 34] **CBSDM-450-SN2**–AirMesh central base station with 5-button control [35]

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP310019EN for additional support information.
2. Design Lights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is ordered.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options 8, 6 or 5.
7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. 5–voltage not available with sensor options, choose voltage 8 or 6.
8. SP arm limited to 3° U.S. vertical tenon. SP-2 limited to 2-3/8" U.S. vertical tenon.
9. Not available for each Light Square.
10. 2L is not available with SB light squares. Not available with DPB or 347V or 480V. Not available with WiredLinx or 20kV surge suppression.
11. Requires FM7.
12. Replace SV with sensor color (WH, BZ or BK,).
13. Not available with Coastal Construction (CC) option. Order WAC-PoE and WPOE-12S (16W to PoE injector) power supply if needed. WAC not required for L2 Bluetooth sensors.
14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1, supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in ES Data. Available with SW6, SW6, SL2, SL3 and SL4 distributions. Can be used with HSS option.
15. Not for use with 347V or 480V options.
16. HA option not available with Output Level 4 or 4-6WA Amber.
17. Not for use with T1, SWQ, SWQ, SWQ or RW optics.
18. Cannot be used with other control options.
19. Low voltage control lead brought out 10" outside fixture. Not available with DALI or integrated controls options.
20. Not available if any SPB, LWS, or WiredLinx sensor is selected. Motion sensor has an integral photocell.
21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4.
22. Not for use with T1, T4FT, T4W or SL options. See IES files for details. Not available with SB light squares.
23. Sensor configuration mobile application required for configuration. See controls page for details.
24. Not available with HSS, SBSWH or SBSBK. Not recommended by the SPB, referring to the "SPB-1 Availability Table" on the controls page.
25. Not available with HSS, SBSWH or SBSBK.
26. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent requirements than the BABA standard. Our BABA designation is based on the minimum compliance requirement for projects that receive Government Funding by October 1, 2025. BABA* designates the product will meet the standards set for FHWA and FTA. As noted these projects must receive Government Funding by October 1, 2026. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements.
28. Not available with SB light squares.
29. DuraSlot drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duraslot for more information.
30. ASSY not to be used with ungrounded or impedance grounded systems.
31. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except DPB.
32. Cannot be used with DALI, PBT, or other motion response control options. Not available with SB light squares when using Output Level 1.
33. See ELAN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares.
34. Includes one (1) 7-PIN sensor. The ITSB-10B configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
35. Controls system is not available with photocontrol receptacles (PR-, PR7) or other controls systems (FADC, SPBx).
36. Requires AirMesh central base station CBSDM-450-SN2 and Synapse commissioning for operation.
37. Select SA light squares. Only available with Output Levels 1, 2 or 3. Not compatible with HSS, SBS, BCS or PFS shield options, or LCF.
38. Low Glare optics available with SB light squares only. Not available with SRS or PFS shield options.

STREETWORKS — GLAN Galleon II

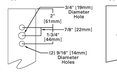
Mounting Details

Pole Configuration Options

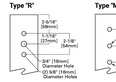


Pole Drilling Patterns

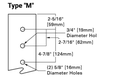
Type "N"



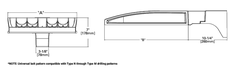
Type "R"



Type "M"

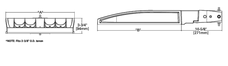


Quick Mount Universal Arm (QU)



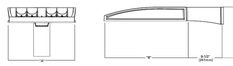
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling pattern.

Quick Mount Mast Arm (QMA)



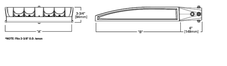
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



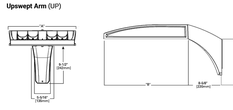
*NOTE: Use Type A drilling pattern.

Mast Arm, Fixed (MA)



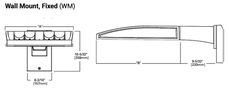
*NOTE: Fits 3-1/2" O.D. tenon

Upswept Arm (UP)



*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns.

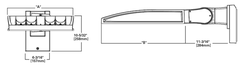
Wall Mount, Fixed (WM)



STREETWORKS — GLAN Galleon II

Mounting Details

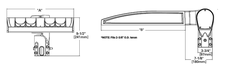
Wall Mount, Adjustable (WA)



3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



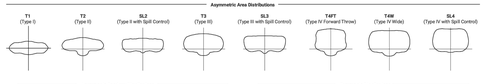
Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

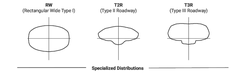
STREETWORKS — GLAN Galleon II

Optical Distributions

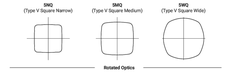
Asymmetric Area Distributions



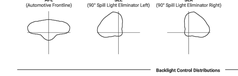
Asymmetric Roadway Distributions



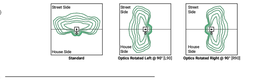
Symmetric Distributions



Specialized Distributions



Rotated Optics



Backlight Control Distributions



STREETWORKS — GLAN Galleon II

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent extrapolations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-3% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-3% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

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303.442.5882

PROJECT TEAM

KESTREL
Boulder County Housing Authority
245 North 96th Street, Louisville, CO

LANDDESIGN PROJ.#
3526025

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
CUT SHEET

SHEET NUMBER
E2.0
19 OF 21

ORIGINAL SHEET SIZE: 24" X 36"

KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO

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PROJECT TEAM

KESTREL
Boulder County Housing Authority
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LANDDESIGN PROJ.#
3526025

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
CUT SHEET

SHEET NUMBER
E3.0
20 OF 21

ORIGINAL SHEET SIZE: 24" X 36"

STREETWORKS — GLAN Galleon II

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files | Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.522	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,823
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	131	131	130	131	130	130	132	132
T2	Lumens	7,164	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,298
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,872	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,319	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	129	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,061	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
SNQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
SMQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
SWQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLU/ SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

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STREETWORKS — GLAN Galleon II

Control Options

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, P9 and PR7)
Optional button-type photocontrol (BPC) and photocontrol receptacles (P9 and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-L-XX)
These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPBXY is configured to control only the specified number of light squares (See SPBXY Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish

Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
DM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB finish color automatically selected based on luminaire finish

SPBXY Availability Table

Fixture Square Count	Available SPBXY Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

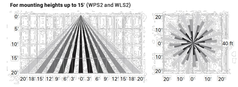
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor

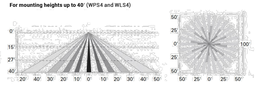
Setting	MS/DIM	SPB	WaveLinx Lite (WLS4 / WLS2)	WaveLinx (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut-Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (CSEN)
AirMesh integrated wireless controls system includes factory installed CSEN1-H-G-ZHA (Gray) with integral motion detection and photocell. Includes Zhaga Book 18 receptacle and SR driver(s). Requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

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1121 Highway 74 South
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Specifications and dimensions subject to change without notice.

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HOLOPHANE — LEADER IN LIGHTING SOLUTIONS

Catalog Number

Notes: PATHWAY LIGHT

Type: B

GPLF3
GlasWerks® Luminescent LED Prague®



General Description
The architectural luminaire consists of a flat LED optical assembly shielded by a decorative formed housing and a top mounted cast aluminum electrical assembly. The optical assembly is seamlessly integrated into the form factor for beautiful daytime appearance and exceptionally uniform lighting at night.

Optical Assembly
The optical assembly consists of an edgelit waveguide light engine for unmatchedled visual comfort. Light from the LED module is distributed by proprietary wave guide technology to maximize uniformity and minimize glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available with asymmetric, symmetric, or pathway distributions.

Mounting Style
Optional mounting styles include Quick Lock Stem, NPT threads, and horizontal arm.

Quick Lock Stem Mounting style is compatible with the following leveling fitters:
- Boston Harbor Decorative Arm Fitter (BHDF)
- GlasWerks Decorative Arm Fitter (GWDF)
- West Liberty Decorative Arm Fitter (WLDF)
- Ball Style Decorative Fitter (BADF)

Electrical Assembly
The cast aluminum electrical housing has a smooth domed contour. A (3) station terminal block is provided to accept #14 through #2 size wire. The electrical housing is hinged with a tool-less latch to provide easy access to the gear assembly. The unitized electrical assembly, containing the electronic driver and other electrical components, plugs into the quick disconnect receptacle. The pendant mount version has a welded stem (Quick Lock Stem Mounting), which aides in installation speed. The arm mount version is provided with two U-bolts with washers and nuts and two leveling set screws that lock the housing to a 2 inch nominal (2-3/8" O.D.) horizontal arm and allow a ±5° degree adjustment from horizontal to the cover.

Electrical System
Programmable LED driver with 0-10V dimming. Optional DALI dimming. Driver life is rated to at least 100,000 hours. Luminaire surge protection rating of 20KV/10kA per ANSI/IEEE C62.41.2.

Finish
The luminaire is finished with corrosion resistance super durable powder coat paint to ensure maximum durability. Finish is rated to 5,000 hours salt spray per ASTM B117.

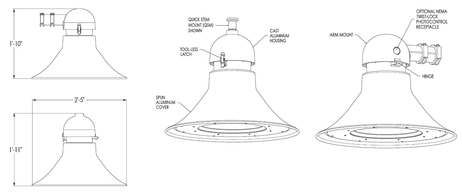
Listing
The luminaire is CSA certified to US and Canadian standards. IP55 rated electrical chamber, IP66 rated LED optic chamber. 2GKV10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from -40°C to 40°C. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement
BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS.
BABA – Build America Buy America: This product is available in a version that qualifies as produced in the United States under the definitions of the Build America, Buy America Act, as implemented by 2 C.F.R. Part 184 and other agency implementing regulations, including Department of Transportation regulations.
Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty
This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Limited warranty located at: www.acuitybrands.com/support/warranty/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.

DIMENSIONAL DATA



Maximum Weight - 48 lbs
Maximum Effective Projected Area - 1.0 ft²

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GlasWerks® Luminescent LED Prague®

HOLOPHANE — LEADER IN LIGHTING SOLUTIONS

ORDERING INFORMATION

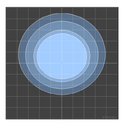
Example: GPLF3 P30 40K MVOLT ASY QSM BK

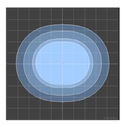
Cover Type	LED Lumen Package	Color Temperature	Voltage	Optics	Mounting Style	Finish Color
GPLF3 Prague®	P10 P10 Performance Package	27K 2700K, 70 CRI	MVOLT 120-277V	ASY Asymmetric	ARM Horizontal Arm Mount	BK Black
	P20 P20 Performance Package	30K 3000K, 70 CRI	HVOLT 347-480V	SYM Symmetric	NPT 1.5" NPT Thread	BZ Bronze
	P30 P30 Performance Package	40K 4000K, 70 CRI		PTH Pathway	QSM Quick Stem Mount	GH Graphite
	P40 P40 Performance Package					GN Green
	P50 P50 Performance Package					GR Gray
	P60 P60 Performance Package					WH White
	P70 P70 Performance Package					
	P80 P80 Performance Package					

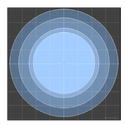
Options		Prewire Lead Options:	
Control Options:		L03	3ft prewire leads
PR7	7 pin NEMA photocontrol receptacle	L10	10ft prewire leads
PR7E	7 pin NEMA photocontrol external	L20	20ft prewire leads
P34	Solid state long life photocontrol (347V)	L25	25ft prewire leads
P48	Solid state long life photocontrol (480V)	L30	30ft prewire leads
PCL1	DLL photocontrol		
SH	Shorting cap		
AO	Adjustable Output Module	NEMA Label Options:	
DALI	DALI dimming	NL1X1	1" x 1" NEMA label
WG	Wire guard (ships separately)	NL3X3	3" x 3" NEMA label
HSS	House side shield (ships separately)		

Accessories: *Order as separate catalog number.*	
GPLF3HSS	House side shield
GPLF3WG	Wire guard

OPTICAL DISTRIBUTIONS


ASY


PTH


SYM

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GPLF3
GlasWerks® Luminescent LED Prague®

HOLOPHANE — LEADER IN LIGHTING SOLUTIONS

PERFORMANCE DATA
Lumen and Wattage Data

Lumen Package	System Wattage	Distribution	2700K, 70 CRI		3000K, 70 CRI		4000K, 70 CRI	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	30	ASY	3,738	126	3,870	130	4,122	139
		PTH	3,860	130	3,995	134	4,256	143
		SYM	3,681	124	3,811	128	4,059	137
P20	51	ASY	6,143	121	6,359	125	6,774	134
		PTH	6,343	125	6,565	129	6,994	138
		SYM	6,049	119	6,262	123	6,671	132
P30	62	ASY	7,377	118	7,636	122	8,135	130
		PTH	7,617	122	7,884	126	8,399	135
		SYM	7,264	116	7,520	120	8,011	128
P40	75	ASY	8,767	116	9,075	121	9,668	128
		PTH	9,052	120	9,370	124	9,982	133
		SYM	8,633	115	8,937	119	9,520	126
P50	95	ASY	10,810	114	11,190	118	11,920	125
		PTH	11,161	117	11,553	121	12,308	129
		SYM	10,645	112	11,019	116	11,738	123
P60	118	ASY	12,781	108	13,230	112	14,094	119
		PTH	13,196	111	13,660	115	14,551	123
		SYM	12,586	106	13,028	110	13,878	117
P70	151	ASY	15,726	104	16,278	108	17,341	115
		PTH	16,236	108	16,807	111	17,904	119
		SYM	15,485	103	16,029	106	17,076	113
P80	173	ASY	17,544	101	18,161	105	19,346	112
		PTH	18,114	105	18,750	108	19,974	115
		SYM	17,276	100	17,883	103	19,050	110

OPTIONS MATRIX

		Lumen Package								Voltage		Receptacle	Photocontrol				Dimming Options	
		P10	P20	P30	P40	P50	P60	P70	P80	MVOLT	HVOLT	PR7	PR7E	PCL1	PCL3	PCL4	SH	AO	DALI
Lumen Package	P10	■	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P20	N	■	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P30	N	N	■	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P40	N	N	N	■	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P50	N	N	N	N	■	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P60	N	N	N	N	N	■	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P70	N	N	N	N	N	N	■	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P80	N	N	N	N	N	N	N	■	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y	■	N	Y	Y	Y	N	N	Y	Y	RFD
	HVOLT	Y	Y	Y	Y	Y	Y	Y	Y	N	■	Y	Y	N	Y	Y	Y	Y	N
Receptacle	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	■	N	Y	Y	Y	Y	Y	RFD
	PR7E	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	■	Y	Y	Y	Y	Y	RFD
Photocontrol	PCL1	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	■	N	N	N	Y	RFD
	PCL3	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	■	N	N	Y	RFD
	PCL4	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	■	N	Y	RFD
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	■	Y	RFD
Dimming Options	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	■	N
	DALI	RFD*	RFD*	RFD*	RFD*	RFD	RFD	RFD	RFD	RFD	N	RFD	RFD	RFD	RFD	RFD	RFD	N	■

Y = combination is available
N = combination is not available
RFD = consult factory, additional information required
RFD* = consult factory, additional information required, not CSA certified

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GPLF3
GlasWerks® Luminescent LED Prague®

HOLOPHANE — LEADER IN LIGHTING SOLUTIONS

LED Lumen Maintenance					
25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
98%	96%	94%	93%	91%	88%

Lumen maintenance calculated according to TM-21 at 25°C ambient. Italicized values are extrapolated beyond the standard.

Adjustable Output (AO) Response		
AO Setting	% Lumen Output	% Wattage
8	100%	100%
7	94%	94%
6	82%	81%
5	70%	68%
4	58%	56%
3	46%	43%
2	33%	31%
1	21%	19%

Luminaire Ambient Temperature Factor	
Ambient Temperature	Relative Lumen Output
0°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.99
40°C	0.98

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KESTREL
PLANNED UNIT DEVELOPMENT - 2ND AMENDMENT
CASE #: PUPL-XXXX-2026
SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 69 WEST
OF THE 6TH P.M. COUNTY OF BOULDER, STATE OF COLORADO



KBD8 LED
LED Specification Bollard

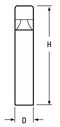
BAA BABA

Catalog Number

Notes

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Specifications

8" Round (20.3 cm)

Height: 42" (106.7 cm)

Weight (max): 27lbs (12.25 kg)

Introduction

The KBD8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBD8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: KBD8 LED 16C 700 40K SYM MVOLT DDBXD

KBD8 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish (required)
KBD8 LED	**Asymmetric** 12C 12 LEDs[1]	350 350 mA 450 450 mA[2,3] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength[3,4]	ASY Asymmetric[5] SYM Symmetric[5]	MVOLT[6] 120[7] 208[7] 240[7] 277[7] 347[7]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ELCW Emergency battery backup, CA Title 20 Noncompliant[8]	**Shipped installed** SF Single fuse (120, 277, 347V)[9,10] DF Double fuse (208, 240V)[9] H24 24" overall height H30 30" overall height H36 36" overall height PG Ground-fault finneon outlet U/AB Without anchor bolts (3 bolt base) U/AB4 4 bolt retrofit base without anchor bolts[9]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories
Ordered and shipped separately.
MRAB U Anchor bolts for KBD8 LED[11]

NOTES
1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with U/ABB option.

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Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 5% when operating between 120-480V +/- 10%.

Light Engines	Delivered Lumens	System Watts	30K 3000 K				40K 4000 K				50K 5000 K				Emitted Wavelength Amber			
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
Asymmetric 3 Engines (12 LEDs)	350	16	643	40	1	1	1	809	51	1	1	1	870	54	1	1	1	
	530	22	947	43	1	1	1	1,191	54	1	1	1	1,282	58	1	1	1	
	700	31	1,214	40	1	1	1	1,527	51	1	1	1	1,646	55	1	1	1	
	Amber 450	16													324	20	0	1	0
Symmetric 4 Engines (16 LEDs)	350	20	888	44	1	0	0	1,116	56	1	0	0	1,203	60	1	0	0	
	530	28	1,254	45	1	0	0	1,598	57	1	0	1	1,719	61	1	0	1	
	700	39	1,608	41	1	0	1	2,022	52	1	0	1	2,180	56	2	0	1	
	Amber 450	20													374	19	0	0	0

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient,** based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

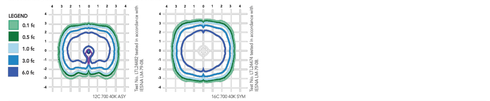
Electrical Load

Light Engines	Drive Current	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.165	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KBD8 Bollard homepage.

Isofootcandle plots for the KB LED Bollards. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and clean lines of the KBA bollard is ideal for illuminating building entryways, walking paths, and pedestrian plazas, as well as any other location requiring a low mounting height light source with fully cutoff illumination.

CONSTRUCTION
One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, a high-impact clear acrylic lens and welded top cap. Die-cast aluminum mounting ring allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3 ¼" bolt circle template ensure stability. Overall height is 42" standard.

FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Two fully cutoff optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without any uplight. Light engines are available in standard 4000 K (+70 CRI) or optional 3000 K (+80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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.

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Project		Catalog #		Type	D
Prepared by		Notes		Date	



McGRAW-EDISON
Impact Elite

Wall Mount Luminaire

Product Features

BAA TAA BABA

Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Energy and Performance Data page 3
- Control Options page 4

Product Certifications

ISO 9001 CERTIFIED IP66 CSA CERTIFIED DLC LISTED 5 YEAR DLC LISTED PREMIUM IK10

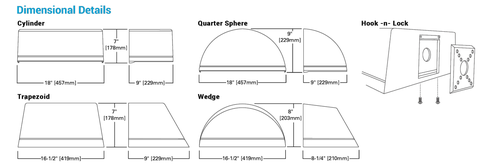
Quick Facts

- 15 Optical Distributions
- Lumen packages range from 2,459 to 11,480 (20W - 95W)
- Efficacy up to 149 lumens per watt

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. IDA Certified for 3000K CCT and warmer only.

McGRAW-EDISON
Impact Elite

Ordering Information

SAMPLE NUMBER: ISC-BAIF-740-U-T3-BZ

Product Family	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Finish
ISC–Impact Elite LED Small Cylinder **ISS**–Impact Elite LED Small Quarter Sphere **IST**–Impact Elite LED Small Trapezoid **ISW**–Impact Elite LED Small Wedge **ISA-ISC**–Impact Elite LED Small Cylinder Built America Buy America Act Compliant [8] **TAA-ISC**–Impact Elite LED Small Cylinder Trade Agreements Act Compliant [8] **BAABAF-ISC**–Impact Elite LED Small Cylinder Built America Buy America [8] **BAA-ISS**–Impact Elite LED Small Quarter Sphere Buy America Act Compliant [8] **TAA-ISS**–Impact Elite LED Small Quarter Sphere Trade Agreements Act Compliant [8] **BAABAF-ISS**–Impact Elite LED Small Quarter Sphere Built America Buy America [8] **BAA-IST**–Impact Elite LED Small Trapezoid Buy American Act Compliant [8] **TAA-IST**–Impact Elite LED Small Trapezoid Trade Agreements Act Compliant [8] **BAABAF-IST**–Impact Elite LED Small Trapezoid Built America Buy America [8] **BAA-ISW**–Impact Elite LED Small Wedge Buy American Act Compliant [8] **TAA-ISW**–Impact Elite LED Small Wedge Trade Agreements Act Compliant [8] **BABAF-ISW**–Impact Elite LED Small Wedge Built America Buy America [8]	**SAS**–1 Square **SAT**–1 Tilted **PA1**–1 Panel (24 LED) [9]	350mA 450mA [10] 530mA 700mA 1000mA 1200mA	**727**–2700K, 2200K **730**–3000K, 2200K **735**–3500K, 3000K **740**–4000K, 3000K **750**–5000K, 3000K **827**–2700K, 2200K **830**–3000K, 3000K **AMB**–Amber 590nm [4,7]	**MVOLT**–120-277V **1**–120V **2**–208V **3**–240V **4**–277V **5**–347V **6**–480V [11]	**SA1 Optics** **T2**–Type II **T3**–Type III **T4FT**–Type IV Forward Throw **T4W**–Type IV Wide **SL2**–Type II w/Split Control **SL3**–Type III w/Split Control **SL4**–Type IV w/Split Control **SLL**–90° Split Light Elevation Left **SLR**–90° Split Light Elevation Right **RW**–Rectangular Wide Type I **PA1 Optics** **1WQ**–Type V Square Wide **2W**–Type II Urban **T3**–Type III **T4W**–Type IV Wide	**AP**–Grey **DP**–Bronze **BK**–Black **DP**–Dark Platinum **GM**–Graphite **WH**–White **RAL/X**–Custom Color [4]

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Other Options (Add as Suffix)
X–Driver Surge Protection (6kV) Only [4] **20K**–Series 20kV DI, 1449 Surge Protective Device **HA**–Factory Pre-Heat with Back Box, Cold Weather Rated [4] **CBP-CEC**–Battery Pack with Back Box, Cold Weather Rated, CEC compliant [4] **HSS**–Factory Installed House Side Shield [4] **HSS-FD**–Field Install **LCF**–Light Square Trim Plate Painted to Match Housing **SF**–Tamper Resistant Hardware **CC**–Coastal Construction [4] **HA**–50°C High Ambient* **A10145**–After Hours Dim, 5 Hours, 50% * **A10245**–After Hours Dim, 5 Hours, 50% * **A10295**–After Hours Dim, 8 Hours, 50% * **A10395**–After Hours Dim, 8 Hours, 50% *	**BPC**–Button Type Photocontrol (120, 208, 240 or 277V Must Specify Voltage) **PR7**–NEMA 7 PIN Twistlock Photocontrol Receptacle [4,*] **SPR**–Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [12,13] **SPR2**–Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [12,13] **SPR4**–Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [12,13] **MLSDIM-LXR**–Motion Sensor for Dimming Operation [14,15,*] **WLXLITE**–WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 8'-20' Mounting [13,15,*] **WLXLITEX**–WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 21'-40' Mounting [13,15,*] **WPS4XX**–WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 13'-40' Mounting [13,15,*]	**MA1253**–10kV Circuit Module Replacement **MA1254-EX**–Thruway Back Box - Impact Elite Trapezoid **MA1255-EX**–Thruway Back Box - Impact Elite Wedge **MA1256-EX**–Thruway Back Box - Impact Elite Quarter Sphere **MA1257-EX**–Thruway Back Box - Impact Elite Wedge **FUSR-100**–Wireless Configuration Tool for Occupancy Sensor **WOLC-7P-10A**–WireLinx Outdoor Control Module (7-pin) [16,*]

NOTES:
1. Omega Light Consortium® Qualified. Refer to www.designlights.org. Qualified Products List under Family Models for details.
2. Not available with SL4 option.
3. Not available with 1200mA, Number 590nm, which is provided at 500mA only.
4. Narrow band 590nm +/- 5nm for wildlife and observatory use. Least luminaire wattage available in IES files. Available with SWQ, SWZ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
5. Not available with MVOLT, only provided in impedance grounded systems.
6. Not available with SQ or SWZ.
7. Cannot be used in conjunction with other control options.
8. Refer to QPD provided in options other than emergency are included and driver output set to 1000mA or less.
9. Requires the use of photocontrol. Not available with 350mA drive current. See Other Items Don Supplemental guide for additional information.
10. Replaces U/A with 2.68" mounting L20 (P 20" mounting) + L45N (21.46" mounting.)
11. The FSR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and ramp rates. Contact your local Lithonia Lighting representative or Cooper Lighting Solutions for more information.
12. Includes integral photocell.
13. Battery pack operating temperature of -25C to +40C. Operates downlight for 90 minutes.
14. Not available with SPR, SPR2, SPR4.
15. Not for use with SWQ, SWZ, WSC or WPS4 optics. A black trim plate is used when HSS is selected.
16. Removes additional surge module.
17. Replaces XX with sensor color (BYL BCL or WL).
18. For WaveLinx applications, WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. Gateway not required for WaveLinx Lite Commercial (LC) applications.
19. Not available with WLXLITE, WLXLITEX, WPS4XX, WPS4LXX, WLS2, WLS4. Not available with T4FT, T4W or RW.
20. Smart device with mobile application required to change system defaults. See controls section for details.
21. Only product configurations with three designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). See the Domestic Preferences (DOMESTIC PREFERENCES) page for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
22. For BAA or TAA requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Please see Domestic Preferences page.
23. Only available with MVOLT, 480V or 5000K CCT.
24. Not available with motion sensor controls, including SPR, MLSDIM or WaveLinx.
25. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information.
26. Not available with SWQ, SWZ, SL2, SL3, SL4.
27. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America Act. Please see the Domestic Preferences (DOMESTIC PREFERENCES) page for more information. Components shipped separately may have more stringent compliance standards. BABAF designated product will meet the standards set for FHWA and FTA. As noted these projects must receive Government Funding by October 1, 2026. Please refer to the DOMESTIC PREFERENCES page for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Product Specifications

Construction
- Heavy-wall, die-cast aluminum housing and removable hinged door frame
- Optional tamper-resistant fasteners offer vandal resistant access
- Vandal resistant with IK10 impact rated housing and optic

Optics
- High-efficiency injection-molded AccuLED optics technology
- 15 optical distributions

Electrical
- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting
- Utilizes "Hook-N-Lock" mounting mechanism, securing to a gasketed and zinc plated mounting attachment
- Two black oxide coated Allen set screws concealed but accessible from below

Finish
- Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- RAL and custom color matches available
- Coastal Construction (CC) option available

Compliance
- IDA Certified for 3000K CCT and warmer only
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliances. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA, Domestic Preference Requirements; submit this catalog number to Cooper Lighting Solutions team for validation by our Engineering and Manufacturing teams.
- Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

Warranty
- Five-year limited warranty, consult website for details. www.cooperlighting.com/legal

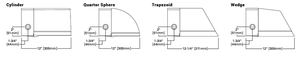
McGRAW-EDISON
Impact Elite

Energy and Performance Data

View Impact Elite IES files

13 Light Sources (SA)		Cylinder (CSC) and Quarter Sphere (QSS)					Trapezoid (IST) and Wedge (RSW)				
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	20.1	25.4	34.2	45.2	58.2	66.0	20.1	25.4	34.2	45.2	58.2	66.0
Current (A)	120	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	39.6	49.5	60.7	70.1	23.3	28.7	39.6	49.5	60.7	70.1
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics (4000K, 70 CRI)													
T2	Lumens	2,802	3,500	4,618	5,778	7,231	7,895	2,772	3,475	4,576	5,733	7,175	7,834
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	139	138	135	128	124	120	138	137	134	127	123	119
T3	Lumens	2,778	3,470	4,578	5,729	7,169	7,827	2,731	3,424	4,508	5,648	7,069	7,718
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	121	117
T4FT	Lumens	2,751	3,436	4,534	5,673	7,099	7,751	2,762	3,462	4,559	5,712	7,149	7,805
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	133	126	122	117	137	136	133	126	123	118
T4W	Lumens	2,780	3,473	4,582	5,733	7,174	7,833	2,739	3,434	4,522	5,665	7,089	7,740
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	122	117
SL2	Lumens	2,763	3,451	4,554	5,698	7,130	7,785	2,730	3,422	4,507	5,646	7,066	7,715
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	137	136	133	126	122	118	136	135	132	125	121	117
SL3	Lumens	2,745	3,429	4,524	5,660	7,084	7,734	2,709	3,396	4,472	5,603	7,012	7,655
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	132	125	122	117	135	134	131	124	120	116
SL4	Lumens	2,680	3,348	4,417	5,526	6,918	7,551	2,666	3,342	4,401	5,514	6,900	7,534
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	133	132	129	122	119	114	133	132	129	122	119	114
SLL	Lumens	2,447	3,057	4,033	5,046	6,315	6,895	2,459	3,083	4,059	5,086	6,365	6,949
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	122	120	118	112	109	104	122	121	119	113	109	105
RW	Lumens	2,883	3,601	4,751	5,945	7,440	8,123	2,818	3,533	4,652	5,828	7,294	7,964
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	Lumens Per Watt	143	142	139	132	128	123	140	139	136	129	125	121

Thruway Back Box



McGRAW-EDISON
Impact Elite

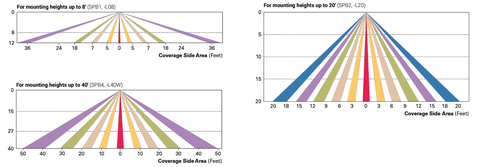
Control Options

0-10V
This feature is offered standard with 0-10V dimming driver(s).

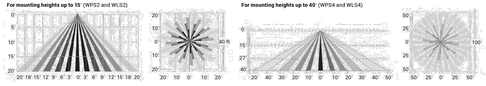
Photocontrol (BPC and PR7)
Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

After Hours Dim (A445)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPR, MLS/DIM-LXR)
These sensors are factory installed in the luminaire's housing. When the SPR or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. SPR motion sensors require the Sensor Configuration mobile application by WattStopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPR sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.



WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Pro (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Gateway Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol-enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.



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PROJECT TEAM

KESTREL
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LANDDESIGN PROJ.#
3526025

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

SHEET TITLE
CUT SHEET

SHEET NUMBER
E4.0
21 OF 21

ORIGINAL SHEET SIZE: 24" X 36"