

AGENDA

Design Review Committee

October 11, 2023 – REGULAR MEETING

5:30 PM

The New Business items have been placed on the agenda in the order they were received. Please note that at 9:00 p.m., the Committee will evaluate the remainder of the agenda to determine if time constraints will permit the full agenda to be heard at this meeting. All items not heard at this meeting will be postponed to the next regularly scheduled DRC meeting of <<MEETING DATE>>.

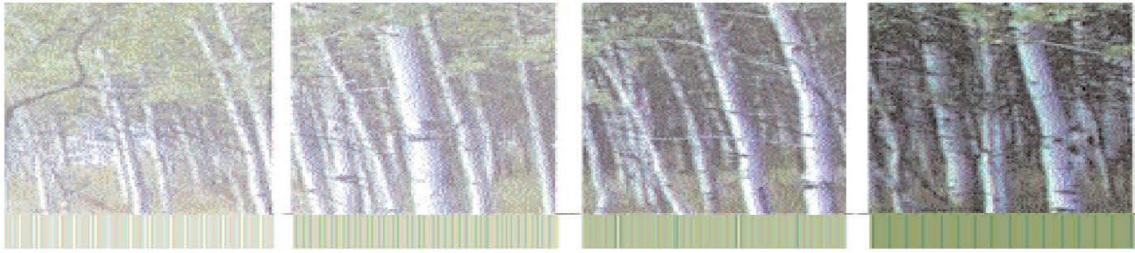
NOTICE: THE VIDEO AND AUDIO FOR THIS MEETING ARE STREAMED TO THE PUBLIC VIA THE INTERNET AND MOBILE DEVICES WITH VIEWS THAT ENCOMPASS ALL AREAS, PARTICIPANTS AND AUDIENCE MEMBERS

PLEASE SILENCE ALL ELECTRONIC DEVICES DURING THE MEETING

1. ZOOM INFORMATION

- I. To join, click the link or copy to your browser: <https://us02web.zoom.us/j/82223493736?pwd=K0NNc29VdkFFaUtETGFYWENSWm9PdZ09>
If the link does not work, join at zoom.com with Webinar ID 822 2349 3736 Password: 83001

2. CALL TO ORDER
3. ROLL CALL
4. NEW BUSINESS
 - I. P23-176 Teton County School District Housing
5. MATTERS FROM STAFF
6. ADJOURNMENT



Town of Jackson Design Guidelines Checklist

Meeting Date: October 11, 2023

Item Number: P23-176

Applicant: Hoyt Architects, Neal Zeren

Address: 1230 South Park Loop Road

Recommendations: Final Review

Background: In 2022, the community voted in favor of a Special Purpose Excise Tax (SPET) initiative for Teton County School District #1 (TCSH) which allocated 16 million dollars toward housing for school district teachers. This project is a direct result of that SPET vote and the applicant is now proceeding with a housing project at 1230 South Park Loop Road (SPLD).

The project is located within the Public/Semi-Public zoning district which has few specific physical development standards (i.e., no height max, no story max, no setbacks, no FAR max, no LSR min, etc.). Since this project is 100% deed-restricted, and because the size of the residential development is accessory to the primary use on the site (i.e., school), the project only requires DRC review prior to Building Permit submittal (same process as Flat Creek Apartments on Snow King Avenue). No Sketch Plan, Development Plan, or Conditional Use Permit is required for this project. This review process is similar to the Flat Creek Apartment project along Snow King Avenue.

Project Summary: The applicant, Hoyt Architects, is seeking a final review of a new 4-story, +/-31,000 sf apartment building comprised of 24 Workforce deed-restricted rental units. The lowest level (half-buried parking garage) is roughly 10,000 sf and the three levels above (residential) are each roughly 7,000 sf. The unit types include 13 one-bedrooms, 9 two-bedrooms, and 2 three-bedrooms. All vehicular access will be taken from SPLR which leads to 17 surface parking spaces and 18 structured parking spaces along the south side of the building. The applicant is proposing pedestrian improvements that include a 6' attached planting buffer, an 8' detached cycle track, a 2'-3' buffer, and a 6' sidewalk. The project also includes a +/-2,500 sf outdoor amenity space south of the building above the parking garage. The main materials proposed are beige brick, black AFC panels, and steel detailing.

Below is a brief overview of the project:

Use: Apartments (100% Workforce deed-restricted)

Size: Approximately 31,000 sf above ground habitable.

- 1st floor (9,870 s): 36 total parking spaces (17 surface + 18 garage)
- 2nd floor (6,979 sf): 8 units (4 one-beds & 4 two-beds)
- 3rd floor (6,979 sf): 8 units (4 one-beds, 3 two-beds, & 1 three-bed)
- 4th floor (6,979 sf): 8 units (5 one-beds, 2 two-beds, & 1 three-beds)

Parking: 30 required. 36 provided.

Stories: 4 total (3 stories as seen from the street)

Primary Street Setback: +10'.

Building Height: 36'-10" on the north side and 48'-1" on the south side.

LDR Compliance:

Staff has done a preliminary LDR review and finds the building to generally comply with the P/SP zone. With that being said, the P/SP zone has very few applicable physical development standards compared to most zones. Generally speaking, the size, setbacks, height, parking, landscaping, etc., are consistent with the CR-3 zoning to the east. At this time staff has identified only a few minor items that will need to be addressed before the building permit submittal:

- The lighting plan shows light trespass beyond the northern property line which needs to be revised.
- EV parking standards apply to the development and need to be shown in the plans.

Vision Statement:

"The guiding vision for the Town of Jackson is to create a vibrant urban village to improve the quality of life and physical environment for both residents and visitors alike. The emphasis is on encouraging development that is economically, socially and ecologically sustainable. This concept includes a variety of land uses in the Town where citizens live and work. Future development should consider the regional vernacular of the Intermountain West while inspiring innovative design and creativity that emphasizes a positive pedestrian experience. This will become a reality when the entire community - including government, the private sector, social service groups and special interest groups - agree to positively impact the Town through cooperation, collaboration and partnership."

The following items are a checklist of general Design Guideline principles to be used by the Committee in reviewing this application for consistency with the Design Guidelines:

A. Public Space

1) Use

- ☐ Human Scale: trees, canopies, other building elements to break the perceived height of adjacent facades.
- ☐ Relationships: engage the interior of a building and relate it to the adjacent buildings' function and use.

- ☐ Detail: lighting, signage benches, paving, planting, canopies, etc. should relate to overall function of the space.

2) Location

- ☐ Seasonal Adaptability: protected from full exposure to sun, snow, wind and rain where possible, oriented to take advantage of daylight.
- ☐ Transition: between buildings and the adjacent streets and alleys.
- ☐ Entry: points of entry should be engaging to the pedestrian.

3) Connections

- ☐ Consider how the proposed development connects with the street and other development on the same block.
- ☐ Consider how the proposed development makes connections with the overall Town open space and pathways systems and Cache and Flat Creeks.

4) Scale & Variety

- ☐ Scale of open space should suit function of the development.
- ☐ Consider within context of increasing the variety of sizes, types and locations of open space throughout town.

5) Screening

- ☐ Screening: whenever possible, use landscaping or architectural elements to buffer the pedestrian from automobiles, utilities and parking lots.
- ☐ Edges: use trees, architectural walls, benches, etc. to create edges for public space. Clearly define space without making it isolated or confined.

B) Composition

- 1) Consider composition, proportion and rhythm of the materials, surfaces and massing of all building elevations to promote visual interest at the scale of both the automobile and the pedestrian.
- 2) Use composition, proportion and rhythm of the materials, surfaces and massing to create a sense of entry and a sense of place.
- 3) To the degree possible, utilize composition, proportion and rhythm to address adjacent buildings.

C) Massing

- 1) Mass & Height:

- ☐ Human-scale, pedestrian orientation; height should not overwhelm people walking in vicinity.
 - ☐ Canopies should be utilized over sidewalks or property lines to give buildings a human scale.
- 2) Additive & Subtractive Massing: Additive Massing increases the size of the building by linking smaller, compatible elements in a way that allows them to remain visible as separate pieces after they are put together. Subtractive Massing reduces a large building by taking parts of it away in a logical manner.
- ☐ Sky plane techniques, Balconies that partially step into the building and partially cantilever out away from the building face.
 - ☐ Architectural features on the second story and above may protrude into the public ROW a maximum of five (5) feet.
- 3) Volume Complexity: is achieved by linking a series of smaller masses, resulting in a building that can be seen as a group of related structures rather than one large element.
- ☐ Avoid large monolithic buildings.
 - ☐ Projects that contain multiple lots shall pay close attention to breaking up the vertical façade into a pattern typical of single lot development.
- 4) Roofs
- ☐ Parapet, flat, sloping or barrel vaults.
 - ☐ Use parapet and flat roofs at the edges of sites to avoid safety problems associated with snow slides.
 - ☐ Roof designed so that no snow or rain is deposited onto adjacent public or private walking surfaces.

D) Street Wall

- 1) Connected Network of Comfortable and Inviting Pedestrian Paths
- ☐ Project should generally be built to the property lines at the sides and along the street frontage.
 - ☐ There should be no voids in the street wall except for the circumstances described below.
 - ☐ It is appropriate to open up the street wall for a portion of the frontage as necessary to create areas of public open space, identify entrances and make pedestrian connections.
 - ☐ At the corner, it is appropriate to step back the street wall to create comfortable pedestrian areas.

- ☐ Vehicle entrances to underground or rear parking areas may be acceptable, but should be minimized to avoid conflicts with pedestrians.

E) Materials

1) Application of Materials

- ☐ Pay attention to which materials and their structural application are selected for vertical supporting elements (compressive), spanning over openings (tensile), or creating building planes such as walls (infilling) will lead to appropriate materials used in believable situations.

2) Materials Selection

- ☐ Consider impacts on surrounding buildings, natural environment and culture.





PLANNING PERMIT APPLICATION
Planning & Building Department

150 E Pearl Ave. | ph: (307) 733-0440
P.O. Box 1687 | www.townofjackson.com
Jackson, WY 83001

For Office Use Only

Fees Paid _____ Date & Time Received _____
Application #s _____

Please note: Applications received after 3 PM will be processed the next business day.

PROJECT.

Name/Description: Teton County School District - Employee Housing
Physical Address: 1230 South Park Loop Road
Lot, Subdivision: _____ PIDN: 22-40-16-06-2-00-102

PROPERTY OWNER.

Name: TCSD - Charlotte Reynolds Phone: 307-732-9409
Mailing Address: P.O. Box 568, Jackson, WY ZIP: 83001
E-mail: creynolds@tcsd.org

APPLICANT/AGENT.

Name: Hoyt Architects - Neal Zeren Phone: 307-733-9955 x 1005
Mailing Address: P.O. Box 7364, Jackson, WY ZIP: 83002
E-mail: nealz@hoytarchitects.design

DESIGNATED PRIMARY CONTACT.

☒ Property Owner ☒ Applicant/Agent Please contact both.

TYPE OF APPLICATION. Please check all that apply; review the type of application at www.townofjackson/200/Planning

Use Permit

_____ Basic Use
_____ Conditional Use
_____ Special Use

Relief from the LDRs

_____ Administrative Adjustment
_____ Variance
_____ Beneficial Use Determination
_____ Appeal of an Admin. Decision

Physical Development

_____ Sketch Plan
_____ Development Plan
☒ Design Review

Subdivision/Development Option

_____ Subdivision Plat
_____ Boundary Adjustment (replat)
_____ Boundary Adjustment (no plat)
_____ Development Option Plan

Interpretations

_____ Formal Interpretation
_____ Zoning Compliance Verification

Amendments to the LDRs

_____ LDR Text Amendment
_____ Map Amendment

Miscellaneous

_____ Other: _____
_____ Environmental Analysis

PRE-SUBMITTAL STEPS. To see if pre-submittal steps apply to you, go to www.townofjackson.com/200/Planning and select the relevant application type for requirements. Please submit all required pre-submittal steps with application.

Pre-application Conference #: _____ Environmental Analysis #: _____

Original Permit #: _____ Date of Neighborhood Meeting: _____

SUBMITTAL REQUIREMENTS. Please ensure all submittal requirements are included. The Planning Department will not hold or process incomplete applications. Partial or incomplete applications will be returned to the applicant. Go to www.townofjackson.com/200/Planning and select the relevant application type for submittal requirements.

Have you attached the following?

X **Application Fee.** Fees are cumulative. Go to www.townofjackson.com/200/Planning and select the relevant application type for the fees.

N/A **Notarized Letter of Authorization.** A notarized letter of consent from the landowner is required if the applicant is not the owner, or if an agent is applying on behalf of the landowner. Please see the Letter of Authorization template at <http://www.townofjackson.com/DocumentCenter/View/845/LetterOfAuthorization-PDF>.

_____ **Response to Submittal Requirements.** The submittal requirements can be found on the TOJ website for the specific application. If a pre-application conference is required, the submittal requirements will be provided to applicant at the conference. The submittal requirements are at www.townofjackson.com/200/Planning under the relevant application type.

Note: Information provided by the applicant or other review agencies during the planning process may identify other requirements that were not evident at the time of application submittal or a Pre-Application Conference, if held. Staff may request additional materials during review as needed to determine compliance with the LDRs.

Under penalty of perjury, I hereby certify that I have read this application and associated checklists and state that, to the best of my knowledge, all information submitted in this request is true and correct. I agree to comply with all county and state laws relating to the subject matter of this application, and hereby authorize representatives of Teton County to enter upon the above-mentioned property during normal business hours, after making a reasonable effort to contact the owner/applicant prior to entering.

Signature of Property Owner or Authorized Applicant/Agent
Charlotte Reynolds

Name Printed

9/25/2023

Date
Owner Applicant

Title

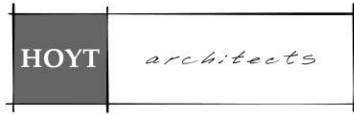
Submittal Checklist for Design Review Committee (DRC)

Applicants for the DRC must fill out the below checklist and submit it with their DRC application. Applications without a completed checklist will not be accepted by the Town. A completed checklist means that all the required items are provided in the application or that a valid explanation is provided for any item that is not provided.

All DRC submittals must include the following required items:

(please check to indicate that each item has been addressed)

- | | | | |
|-------------------------------------|----------------------|--------------------------|--|
| ☒ | New Submittal | ☐ | Resubmittal (provide list of all changes & previous elevations) |
|-------------------------------------|----------------------|--------------------------|--|
-
- | | |
|-------------------------------------|---|
| ☒ | <u>Application:</u> Signed application and notarized Letter of Authorization. |
| ☒ | <u>Narrative:</u> A clear narrative summarizing the proposed project and intended architectural goals, including how the project meets the Vision Statement and each applicable design guideline (Public Spaces, Composition, Massing, and Materials). |
| ☒ | <u>Elevations:</u> Elevations and dimensions of all proposed building facades, including colored renderings. Renderings from 3-dimensional computer models shall be provided if available. |
| ☒ | <u>Zoning Compliance:</u> Demonstration of compliance with zoning dimensional requirements, such as height, setbacks, FAR, LSR, etc. A summary table should be provided in addition to showing all dimensions of all relevant features in submitted plans. |
| ☒ | <u>Site Plan:</u> A site plan that shows proposed structures in the full context of the affected property. The site plan shall show the location and dimensions of all pedestrian connections, bike racks, benches, and similar public amenities. |
| ☒ | <u>Landscape Plan:</u> Must show all proposed landscape areas and the size and type of all proposed vegetation. |
| ☒ | <u>Adjacent Context/Public Realm:</u> Drawings that depict the scale or massing of adjacent buildings on the same block face and/or across the street (transverse and longitudinal street elevations). In addition, the application shall clearly state how the project relates to adjacent sidewalks and streetscape. |
| ☒ | <u>Materials:</u> A graphic depiction/materials palette of all major proposed exterior materials. The applicant shall also bring physical samples of materials to the Planner one week prior to the DRC meeting. |
| ☐ | <u>OPTIONAL: Conceptual Approval:</u> Applicant may apply for conceptual review by the DRC where feedback is provided but no final approval is sought or provided. In such cases, applicant should provide as much detail as possible on project. |
| ☐ | <u>OPTIONAL: Massing Model:</u> For larger buildings, a 3-dimensional massing model (scale of 1" = 20' is generally appropriate) that depicts the proposed development in the context of neighboring buildings may be required. Please inquire to staff. |



TETON COUNTY SCHOOL DISTRICT HOUSING

DESIGN REVIEW COMMITTEE

Project Narrative

This proposed project is to realize the approved Specific Purpose Excise Tax (SPET) monies for our Teton County School District teachers.

The project consists of providing 24 Deed Restricted, apartment style housing units. It will consist of a mix of one-, two-, and three- bedroom apartments. The building will be 3-stories of apartments over podium parking. The proposed project will have 36 parking spaces, 18 of which are covered. We are providing the 12 required bike parking spots, as well as, internal storage units for each unit within each structure. There is also an existing Start Bus stop on the property. The intent is to have all buildings constructed with durable materials inside and out.

The objective of the review is to ensure compliance with Town of Jackson Design Guidelines. A design package, complete with site plan, landscaping plan, plantings, floor plans, exterior elevations, exterior perspective views, exterior materials, proposed building and site lighting, and fixture cut sheets, is attached.

Zoning Compliance

This proposed project is in a P/SP Zone. This zoning is specifically intended to allow for flexibility in public and semi-public uses.

Physical Development Standards do not define a maximum lot coverage, minimum setbacks, maximum height, maximum stories, or maximum FAR. Without these standards defined, however, the Design Team has done its best to propose a project that is sensitive to the neighboring residential properties and school.

For building placement and addressing setbacks, we have proposed a 10-foot front yard setback and placed the building 3 more feet from that, for a total of 13 feet. We have also proposed a 10-foot side yard setback and set the building 38 more feet from that, for a total of 48 feet.

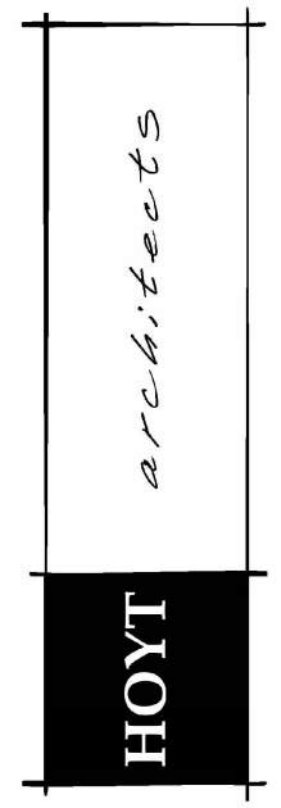
In regards to massing, we are proposing 3 stories above 1 story of podium parking. The building height from South Park Loop Road is 36'-10". The building height, above grade, on the south side is 48'-1". With a street frontage of 133'-6", the Design Team has broken up the massing with recesses at the entry and ends of 4'-6". We have also stepped these masses down 2 feet in height from the main forms. This intentional gesture gives a sense of 2 smaller buildings. Careful design consideration was given to the interior spaces to allow for clean concise fenestration on all elevations. This presents a strong for rhythm for the façade.

Careful consideration was given to exterior materials and balancing initial cost and lifetime costs. We chose these materials to be aesthetically pleasing at initial install and durable to maintain this beauty for many years after initial occupancy. We have chosen a beige brick which responds to the existing beige color of the school campus. This is balanced with muted black AFC panels and steel detailing to compliment and offset the main mass of the building.

Landscaping was thoughtfully chosen to respond to the interior spaces and the exterior infrastructure. Plantings have been scaled to bridge the gap between the taller building and the human scale. We are using aspens, perennials, and native grasses to soften this transition. Screening has been proposed on the south side to help mask the concrete podium.

Site lighting has been localized to meet life safety requirements while still respecting the dark sky requirements. We have chosen to provide 4 total light standards for the parking and drive aisle at 9000 lumens per standard. 19 pathway bollards are proposed at 500 lumens each. 10 step lights at the outdoor patio shown for life safety at 30 lumens per. 5 building lights are shown for life safety at 5800 lumens each. Allowable lighting is 50,000 lumens per acre. The site is 17.65 acres. With the existing lighting at the school, we are far below the allowed 882,500 lumens allowed.

With all of the above design considerations and detail shown on the Landscape plans, Architectural elevations, plans, and renderings in this submittal, we feel that this project meets and exceeds the dimensional and aesthetic requirements set forth by the LDRs.



Jackson Wyoming
307.733.9955

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1230 SOUTH PARK LOOP ROAD
JACKSON, WYOMING
TCSD #1 24 UNIT MULTI-FAMILY EMPLOYEE HOUSING

**NOT FOR
CONSTRUCTION**

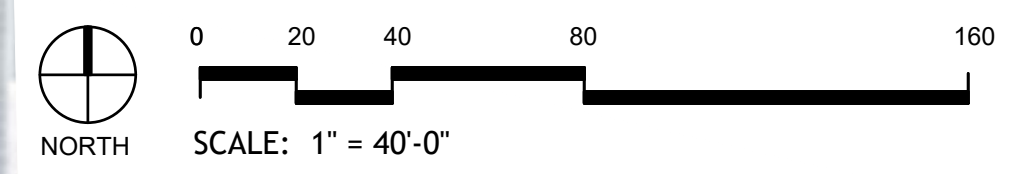
DESIGN REVIEW COMMITTEE
(DRC) PLANS

Date 1 SEPTEMBER, 2023
Drawn by CB
Checked by SW
REVISIONS

No.	Description	Date
1	35% Design Development	9/1/2023
2	Design Review Committee (DRC) Plans	9/25/2023

L0.2

CONTEXT PLAN





REVISIONS		
No.	Description	Date
1	35% Design Development	9/1/2023
2	Design Review Committee (DRC) Plans	9/25/2023

- TREE LAWN WITH DECIDUOUS TREES AND MEADOW SOD
- CYCLE TRACK TO MEET NEW TOJ STANDARDS
- MEADOW SOD PLANTING BUFFER BETWEEN SIDEWALK AND BIKE PATH
- RAISED PLANTERS WITH ORNAMENTAL GRASSES, PERENNIAL BEDS, AND ADDRESS SIGN
- GABION BENCHES
- (6) SHORT TERM ANOVIA BIKE RACKS WITH ORNAMENTAL GRASSES, ASPENS AND SHRUBS TO SCREEN
- MEADOW SOD BED WITH ASPENS AND SHRUBS TO SCREEN

- MEADOW SOD WITH SHRUBS
- RAISED PLANTER BEDS WITH ORNAMENTAL GRASSES
- OUTDOOR GAS FIREPIT
- MEADOW SOD BED WITH TREES TO SCREEN
- OUTDOOR GAS GRILLS
- (6) GREEN SCREENS WITH VINES TO ATTACH TO WALLS
- COLUMNAR ASPENS AND PERENNIALS
- DOG WASTE STATION
- MEADOW SOD PLANTING STRIP WITH DECIDUOUS TREES
- DEMO BIKE DEPOT WITH (12) LONG TERM BIKE STORAGE SPACES

- BLUE SPRUCES TO SCREEN
- SOCCER FIELD
- TRASH AND DUMPSTER RECEPTACLE, SEE CIVIL.

- COMMUNITY GARDEN WITH FENCING
- (24) COMMUNITY GARDEN BEDS
- SHRUBS TO SCREEN

EXISTING TREES TO REMAIN

CABIN

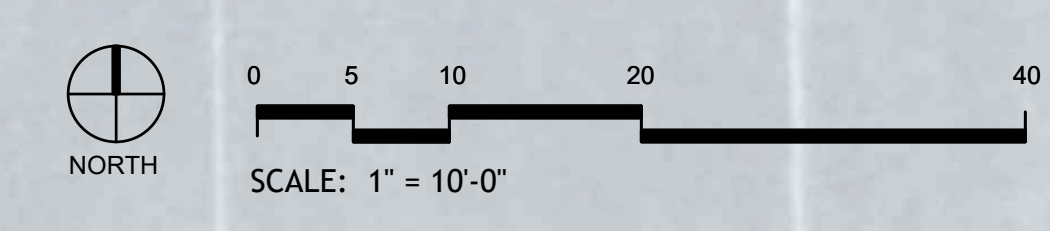
PROPERTY LINE

SOUTH PARK LOOP ROAD

GRAVEL DRIVE

EMERGENCY VEHICLE ACCESS ROAD

MIDDLE SCHOOL



INVASIVE SPECIES MANAGEMENT PLAN

PROJECT OWNER: TETON COUNTY SCHOOL DISTRICT #1
ADDRESS: 1230 SOUTH PARK SCHOOL ROAD JACKSON, WY 83001-0568
GEC PERMIT: GEC 2023-____
Contact Teton County Weed and Pest (TCWP) no less than 3 weeks prior to construction so they may complete an invasive species inventory of the site.

Inventory Completed By: _____

Invasive Species inventoried:

1. _____
2. _____
3. _____
4. _____
5. _____

Pre-Construction Management Strategies:

Applicable to construction beginning after May 1 and before November 15

1. Known infestations will be treated at least two weeks prior to construction using methods listed below.

Active Construction Management Strategies:

1. All construction equipment will be cleaned prior to entering the site.
2. Soil stockpiles will be routinely checked and treated for invasive species.
3. Disturbance outside of the construction zone and in areas where invasive species are present will be minimized.
4. All areas outside of the construction zone will be kept on active management using the methods listed below. This area will be monitored and treated at least twice each growing season.

Post-Construction Management Strategies:

1. Revegetation will occur immediately after construction is complete to prevent the establishment of invasive species in the disturbed areas.
2. Nursery stock will be used in accordance with W.S. 11-9-101 109 (Wyoming Nursery Stock Law), accompanied by a valid health certificate, and acquired through a dealer licensed by the Wyoming Department of Agriculture. Seeds will be used in accordance with W.S. 11-12-101 125 (Wyoming Seed Law), certified weed free, and acquired through a dealer licensed by the Wyoming Department of Agriculture.
3. Certified weed free straw, gravel, and soil will be utilized as possible.
4. TCWP will be contacted to create a post-construction inventory.

Management Strategies by Species:

1. The following document is incorporated by reference:
http://www.tcwed.org/wp-content/uploads/2017/04/Control-Options-Table_2017.pdf
2. These management strategies shall be employed for all invasive species inventoried on the site.

PLANT UNIT AND LANDSCAPE SURFACE AREA SUMMARY

Due to the P/SP Town of Jackson zoning LSR is not applicable and no plant units are required.

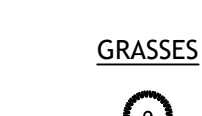
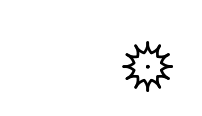
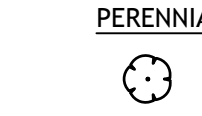
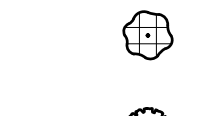
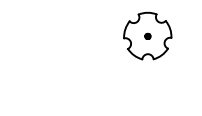
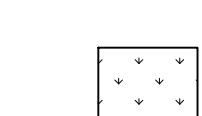
PLANTING NOTES

1. Refer to Civil Engineer's utility and grading plan. If site conditions vary from what is shown, contact the Landscape Architect and Civil Engineer for direction before proceeding.
2. Verify locations and timing of site improvements installed under other sections. If any part of the work cannot be completed due to site conditions, contact the Landscape Architect for direction before proceeding.
3. Excavation near underground utilities shall be done carefully and, if necessary, by hand. The Contractor is fully responsible for this work and any disruption to utilities or damage to the site and/or improvements shall be repaired immediately at no expense to the Owner.
4. Obtain approval of finish grading from Landscape Architect prior to installing any plant material. The finish grades of planting areas and lawns shall be 1½ inches below adjacent edging or paving. Confirm mulch depth and whether lawns are to be seed or sod. Once finish grade has been approved, no vehicle or human traffic will be allowed into approved areas other than that necessary for planting to prevent topsoil compaction.
5. Confirm all plant counts and square footages. Quantities shown are provided as Owner information only. If quantities indicated in the plant list differ from symbols shown on the plans, then the plans shall govern the plant count.
6. All topsoil on undisturbed site shall be scraped and stockpiled on site for use during planting. This stockpile shall be unscreened and planted with a sterile cover crop such as sterile rye during the growing season (s) and covered during the winter to prevent weed growth during construction. The soil shall be unscreened if possible and spread as topsoil on areas to receive native seed prior to planting. Contractor to supplement existing native surface topsoil as necessary. Obtain supplemental weed free topsoil displaced from naturally well-drained construction or mining sites where topsoil occurs at least 4 inches deep. Do not obtain from agricultural lands, bogs, or marshes.
7. For areas to receive sod or seed and/or to produce planting soil for areas indicated on details, amend suitable topsoil with organic compost to a ratio of 1 part compost to 4 parts topsoil by volume.
8. Compost mulch shall be organic, well-composted, stable, and weed-free organic matter, pH range of 5.5-8.0; moisture content 35 to 55 percent by weight; 100 percent passing through 1-inch sieve; soluble salt content of 2 to 5 decisiemens/m; not to exceed 0.5 percent inert contaminants and free of substances toxic to planting; organic matter content 50 to 60 percent of dry weight. Source: Glacier Gold Compost or approved equal.
9. The Landscape Architect shall review all plant materials at the source or nursery or by photographs provided by Contractor prior to shipment. The Landscape Architect reserves the right to reject any unacceptable plant material either at the source or when delivered to the project site. All landscaping material shall comply with Wyoming Nursery Stock Law.
10. Carefully align and space plant materials as indicated in these notes, drawings, and details. The final location of plant materials is to be approved by the Landscape Architect on site prior to installation. The Contractor is responsible for staking or marking the location of all plant materials on site for review by the Landscape Architect. The Landscape Architect reserves the right to adjust the exact locations of plants on site.
11. All plants shall be planted at the same level with relation to finish grade as they were grown in the field or nursery.
12. No pruning of existing or newly planted trees or shrubs shall be allowed without the direction and approval of the Landscape Architect.
13. For ball & burlap trees, remove burlap from top ½ of rootball and entire wire basket as tree pits are backfilled.
14. All installed trees shall be staked. The Landscape Architect shall review and reserves the right to reject the method and/or installation of tree staking and guying systems prior to acceptance.
15. During construction and prior to final acceptance, Contractor shall observe the project site for the growth of noxious weeds. Contractor shall report the growth of noxious weeds to the Teton County Weed and Pest District Office. Contractor and Owner shall implement a weed control program to control noxious weeds.
16. After an area has been planted, no human or vehicle traffic other than that required for plant maintenance will be allowed inside said area to prevent plant damage. Contractor will be responsible for replacing all damaged plant material from planting until project completion. Note that this note does not affect any plant warranty offered by the landscape contractor.
17. All seed shall comply with Wyoming Seed Law. Seed shall be purchased from a licensed supplier by the Wyoming Department of Agriculture. Sources of seed and landscaping material shall be verified as not containing noxious weeds or exotic species.
18. Apply 16-16-8 fertilizer at the rate of 15 lbs per 1,000 SF and till into top 4" of areas to receive sod or seed.
19. Planting period for seed and sod shall be immediately after finish grading and irrigation installation are accepted but no later than September 30 for sod. Seed shall be installed after September 30 or no later than June 1.
20. All disturbed areas not receiving other treatment are to receive native seed or sod. Contractor to verify exact amount in field. Field verification takes precedence over quantity listed.

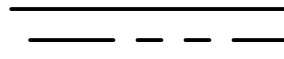
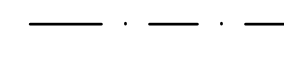
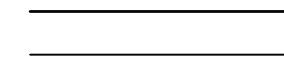
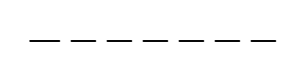
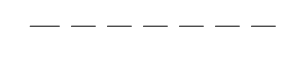
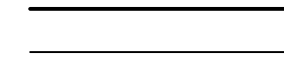
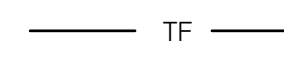
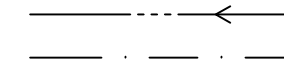
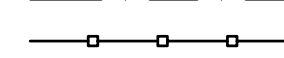
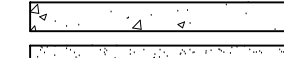
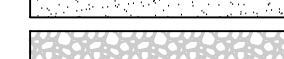
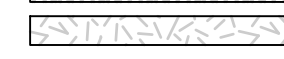
IRRIGATION NOTES

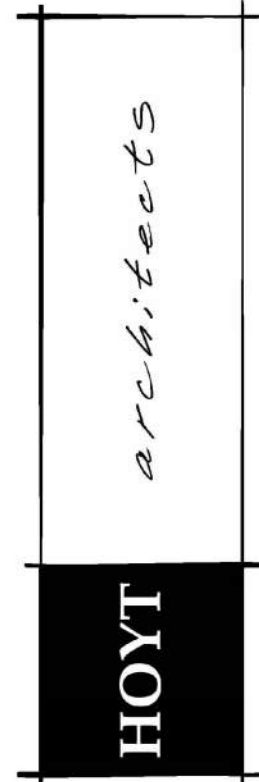
1. Irrigation system is to be design build by Contractor. All plant material shall be irrigated by a pressurized subsurface irrigation system with automatic controller. All trees, shrubs, and perennials shall be drip irrigated and all turf areas shall be irrigated with a spray or rotor system.
2. Provide irrigation to green roof. Green roof irrigation and waterproofing to be done by others.
3. All sod areas within 5' of the building shall be drip irrigated. Contractor is to adjust all rotor heads to prevent any overspray hitting building or hardscapes.
4. Irrigation system is to have check valve installed in compliance with building codes and local regulations.
5. Landscape Architect is to approve all valve box locations prior to installation.
6. Landscape Architect and general contractor to review and approve zoning layout prior to installation.
7. The irrigation system shall be operational prior to plant installation or temporary irrigation measures shall be provided in the interim. The method of temporary irrigation shall be approved by the Landscape Architect prior to plant material installation.
8. Contractor shall demonstrate full system coverage prior to acceptance and before plant material installation. Contractor shall provide a reproducible as-built drawing of installed irrigation system at conclusion of project.

PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	Celtis occidentalis	Common Hackberry	3" Cal.	B&B	6	
	Picea abies 'Cupressina'	Cupressina Norway Spruce	8' Ht.	B&B	3	
	Picea pungens	Colorado Spruce	12" Ht.	B&B	11	Green Variety
	Populus tremuloides	Quaking Aspen	3" Cal.	B&B	10	
	Populus tremuloides 'Erecta'	Columnar Quaking Aspen	3" Cal.	B&B	6	
	Tilia cordata	Greenspire Linden	3" Cal.	B&B	2	
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	Cornus sericea	Red Twig Dogwood	10 gal.	Pot	46	
	Crataegus douglasii	Douglas Hawthorn	6"	B&B	8	
GRASSES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	5 gal.		14	
	Helictotrichon sempervirens	Blue Oat Grass	1 gal.		66	
PERENNIALS	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	Achillea millefolium	Yarrow	---		16	
	Nepeta mussinii 'Blue Wonder'	Raceme Catnip	1 gal.	Pot	24	
	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 gal.	Pot	29	
	Rudbeckia hirta	Black-eyed Susan	1 gal.	Pot	12	
	Salvia nemorosa 'Caradonna'	Cardonna Meadow Sage	1 gal.	Pot	20	
VINE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	Humulus lupulus	Hops	1 gal.	Pot	28	
GROUND COVERS	BOTANICAL NAME	COMMON NAME	QTY	REMARKS		
	Native Meadow Sod	Native Meadow Sod	13,197 sf	From Pocattello Sod. Verify quantity in field.		
	Native Seed	Native Seed	5,571 sf	Exact Seed Mix TBD. Verify quantity in field. All disturbed area not otherwise indicated are to receive seed. Seed to be sourced from Granite Seed Company or approved equivalent.		
	Poa pratensis	Kentucky Bluegrass	1,984 sf	Verify quantity in field.		

LEGEND

	PROPERTY BOUNDARY
	EASEMENT
	DRIVEWAY
	STREET
	EXISTING MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	LIMIT OF DISTURBANCE
	TREE FENCE
	FLOW LINE
	STEEL EDGER
	STEEL FENCE
	ASPHALT
	CONCRETE
	CRUSHED GRAVEL
	COBBLE
	BARK MULCH
	SITE WALL
	FURNITURE TBD
	TRASH BINS



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1230 SOUTH PARK LOOP ROAD
JACKSON, WYOMING
TCSD #1 24 UNIT MULTI-FAMILY EMPLOYEE HOUSING

NOT FOR
CONSTRUCTION

DESIGN REVIEW COMMITTEE
(DRC) PLANS

Date 1 SEPTEMBER, 2023

Drawn by CB

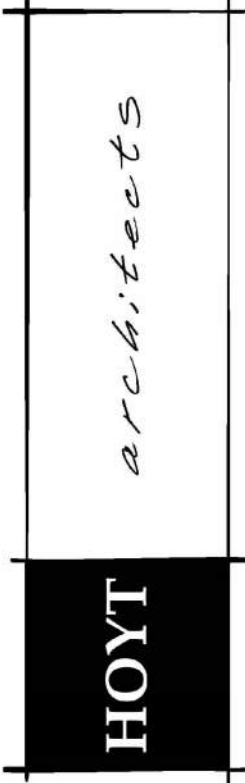
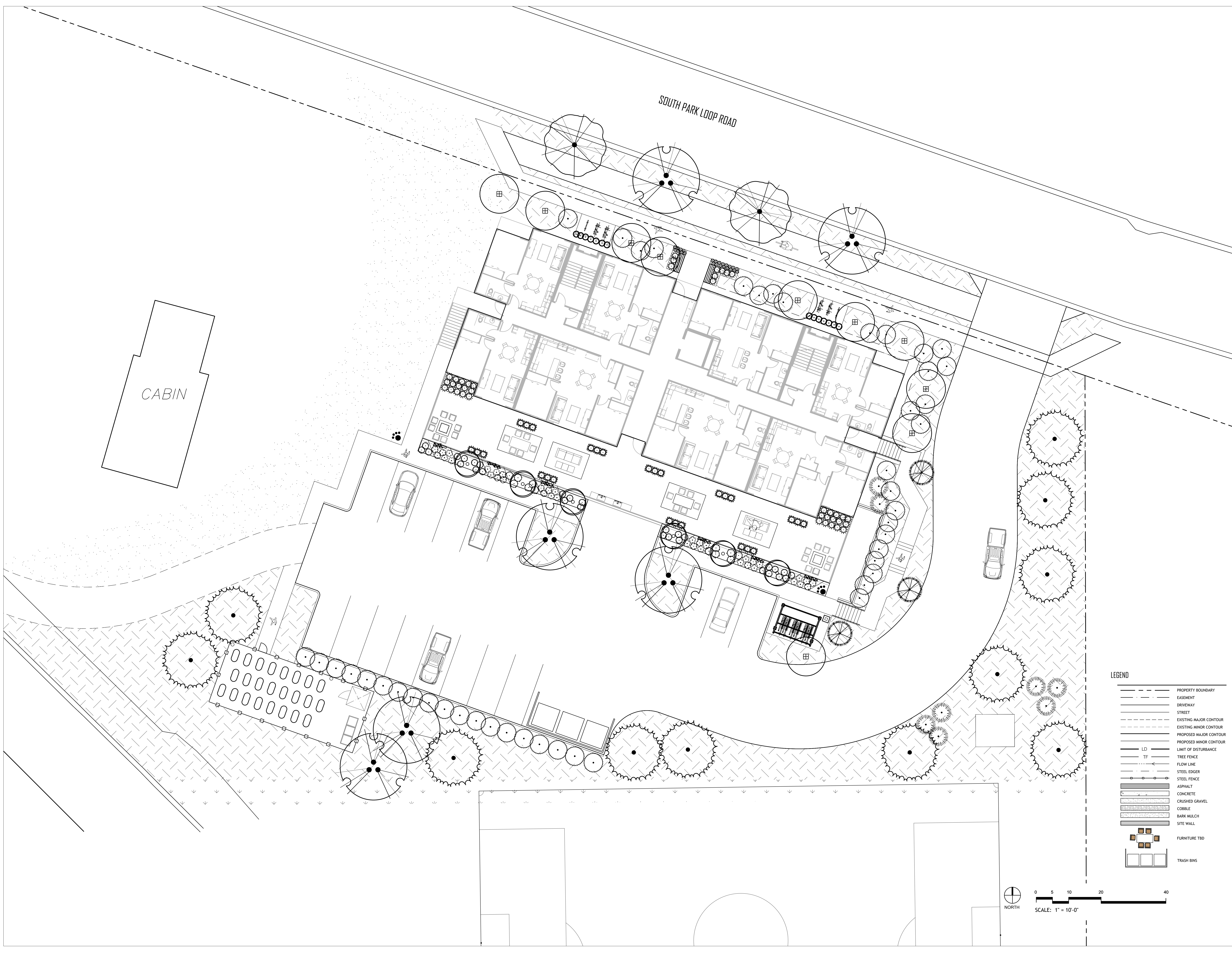
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REVISIONS

No.	Description	Date
1	35% Design Development	8/1/2023
2	Design Review Committee (DRC) Plans	8/25/2023

SHEET INDEX

L0.5



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JACKSON, WYOMING
TCSD #1 24 UNIT MULTI-FAMILY EMPLOYEE HOUSING

NOT FOR CONSTRUCTION

DESIGN REVIEW COMMITTEE (DRC) PLANS

Date 1 SEPTEMBER, 2023
Drawn by CB
Checked by SW

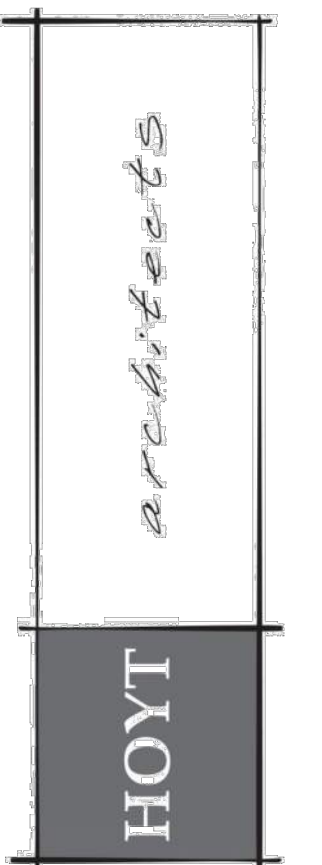
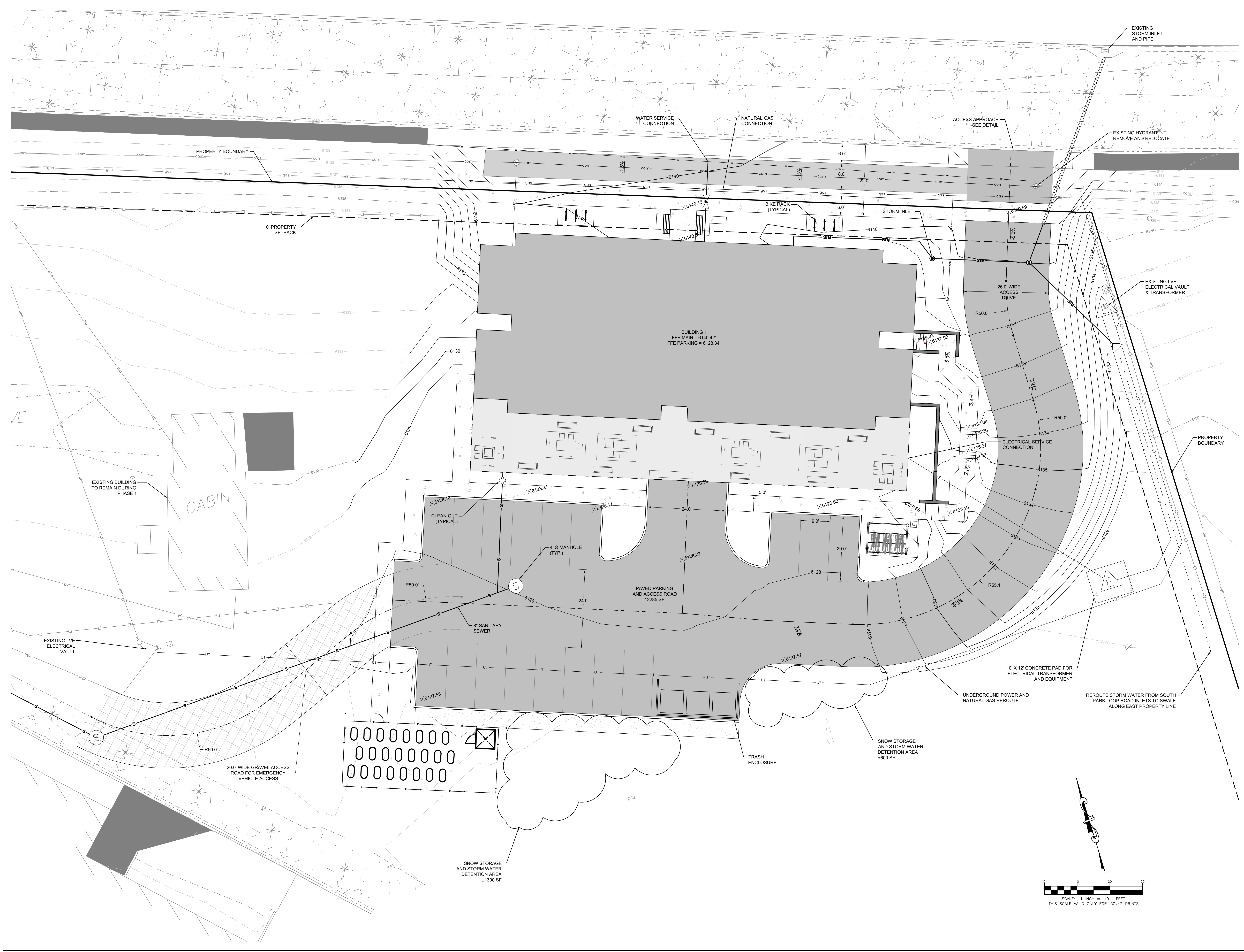
REVISIONS		
No.	Description	Date
1	35% Design Development	9/1/2023
2	Design Review Committee (DRC) Plans	9/25/2023

PLANTING PLAN

L0.6

LEGEND

---	PROPERTY BOUNDARY
---	EASEMENT
---	DRIVEWAY
---	STREET
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	LIMIT OF DISTURBANCE
---	TREE FENCE
---	FLOW LINE
---	STEEL EDGER
---	STEEL FENCE
---	ASPHALT
---	CONCRETE
---	CRUSHED GRAVEL
---	COBBLE
---	BARK MULCH
---	SITE WALL
---	FURNITURE TBD
---	TRASH BINS



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JACKSON, WYOMING
TCSD #1 24 UNIT MULTI-FAMILY EMPLOYEE HOUSING

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DESIGN REVIEW COMMITTEE
SUBMITTAL

Date 25 SEPTEMBER, 2023
Drawn by PY
Checked by TK

REVISIONS		
No.	Description	Date
1	DRC SUBMITTAL	9/25/2023

GRADING
PLAN

C201



1 ALUMINUM PLANTERS



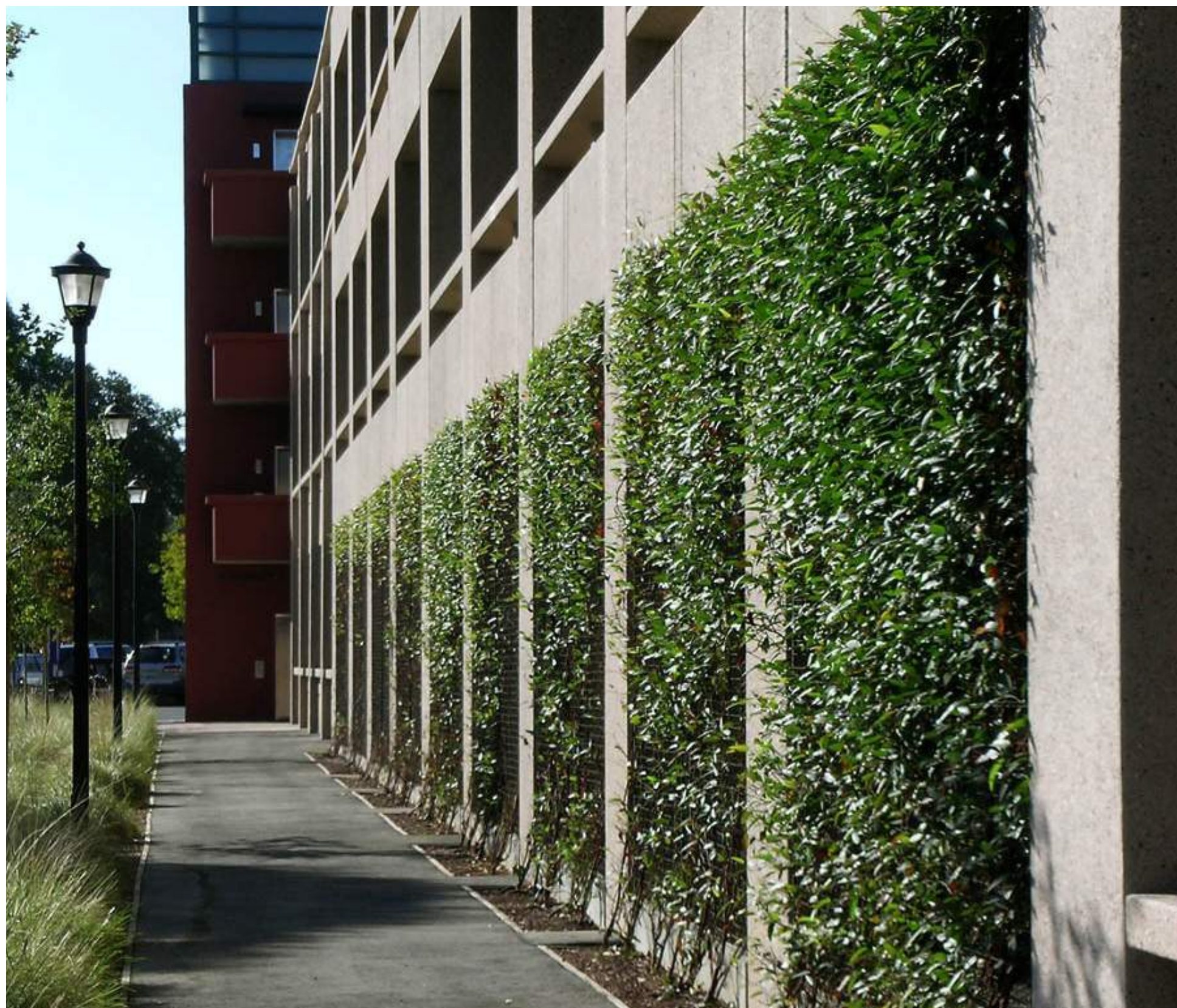
ALUMINUM PLANTERS



2 COMMUNITY GARDEN RAISED PLANTERS



3 COMMUNITY GARDEN FENCE



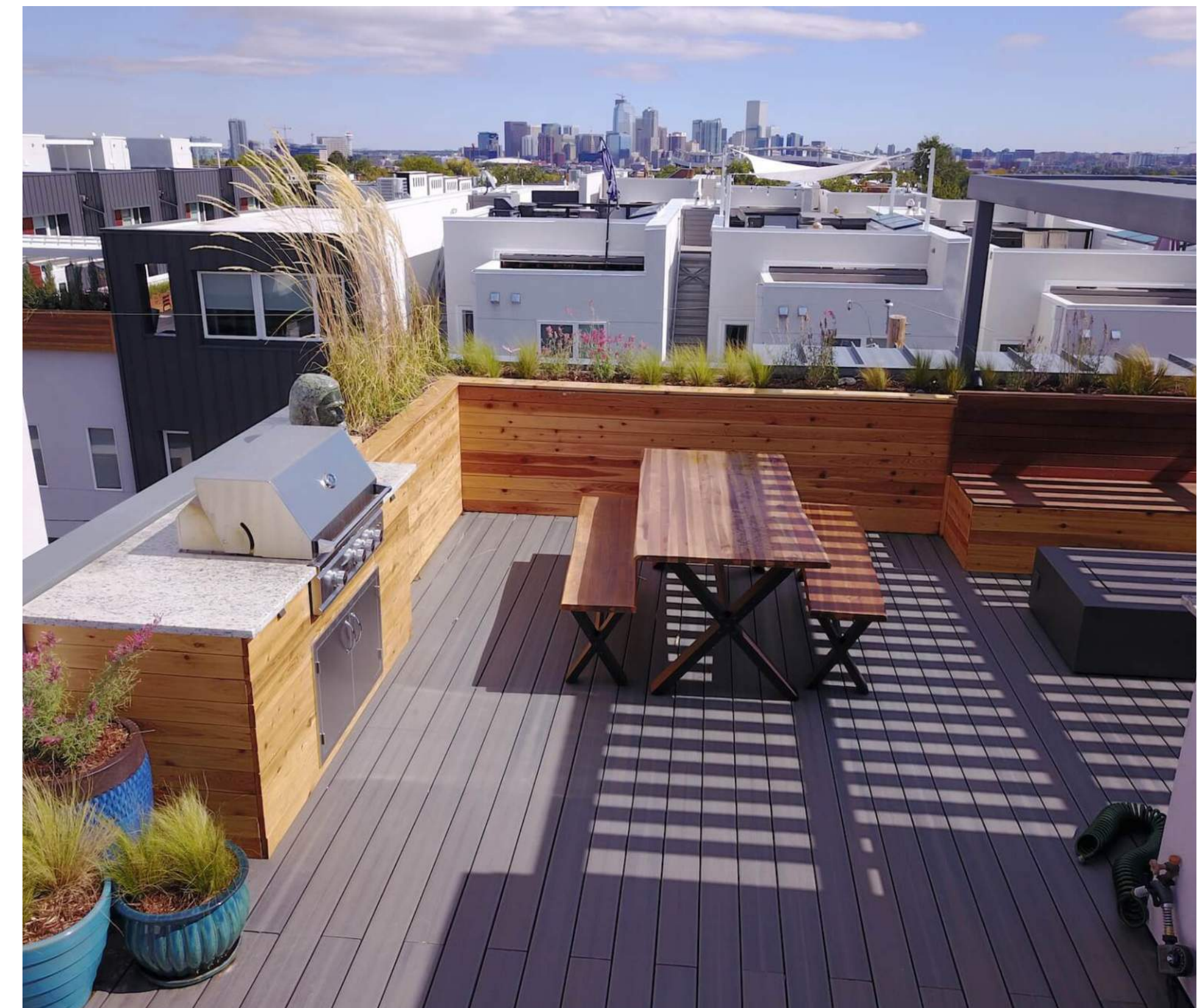
4 GREEN SCREEN - WALL TRELLIS WITH VINES



5 BIKE RACKS



6 BENCHES



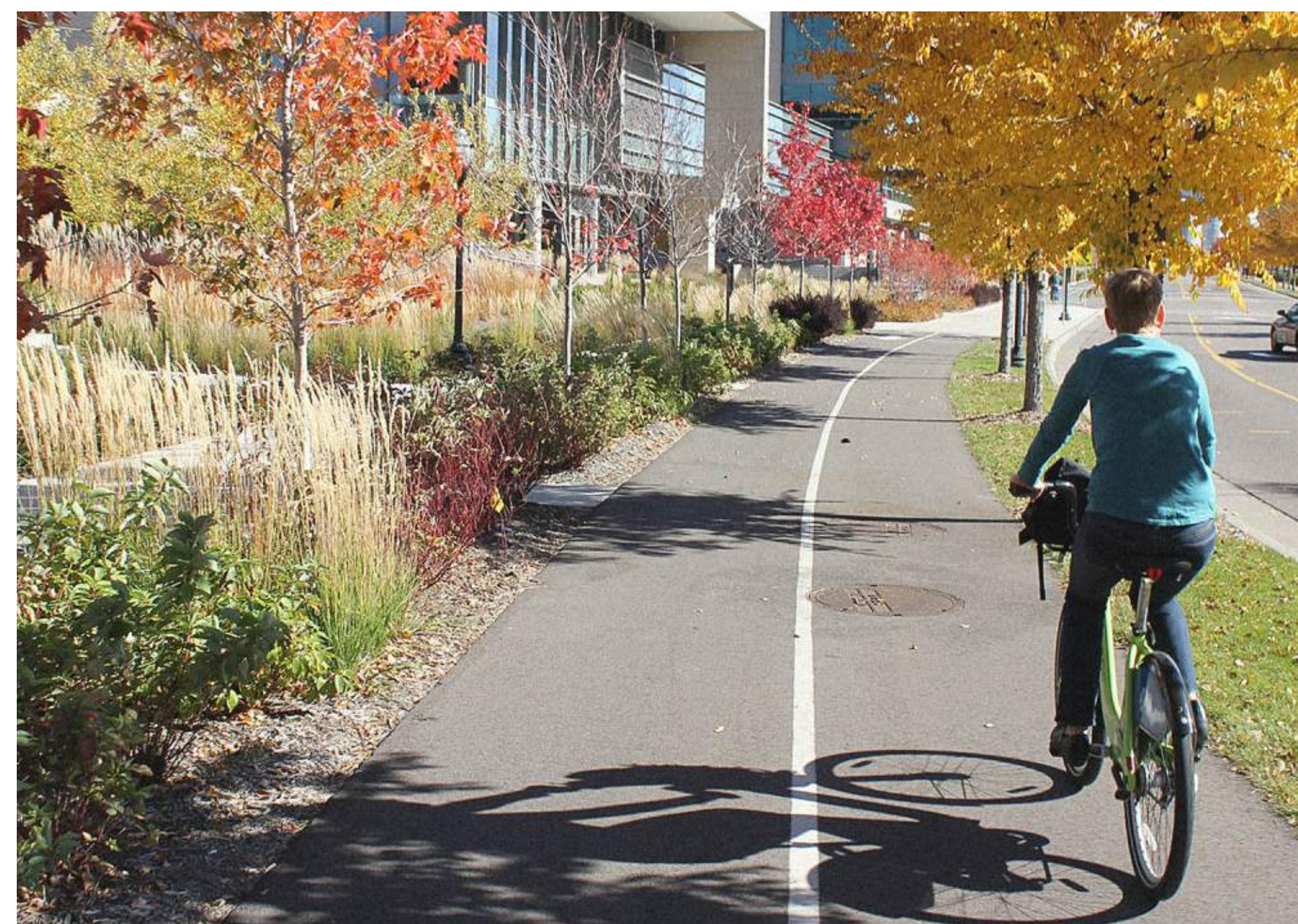
7 OUTDOOR GRILL



8 LONG TERM BIKE STORAGE



9 FIRE PIT



10 CYCLE TRACK



Quaking Aspen
Populus tremuloides



Celtis occidentalis
Common Hackberry



Columnar Quaking Aspen
Populus tremuloides 'Erecta'



Littleleaf Linden
Tilia cordata



Picea pungens
Colorado Spruce



Picea abies 'Cupressina'
Upright Norway Spruce



Red-Osier Dogwood
Cornus sericea ssp. *sericea*



Crataegus douglasii
Douglas hawthorn





Achillea millefolium
Common Yarrow



Nepeta mussinii 'Blue Wonder'
Raceme Catnip



Nepeta x faassenii 'Walker's Low'
Walker's Low Catmint



Rudbeckia hirta
Black-eyed Susan



Salvia nemorosa 'Caradonna'
Caradonna Meadow Sage



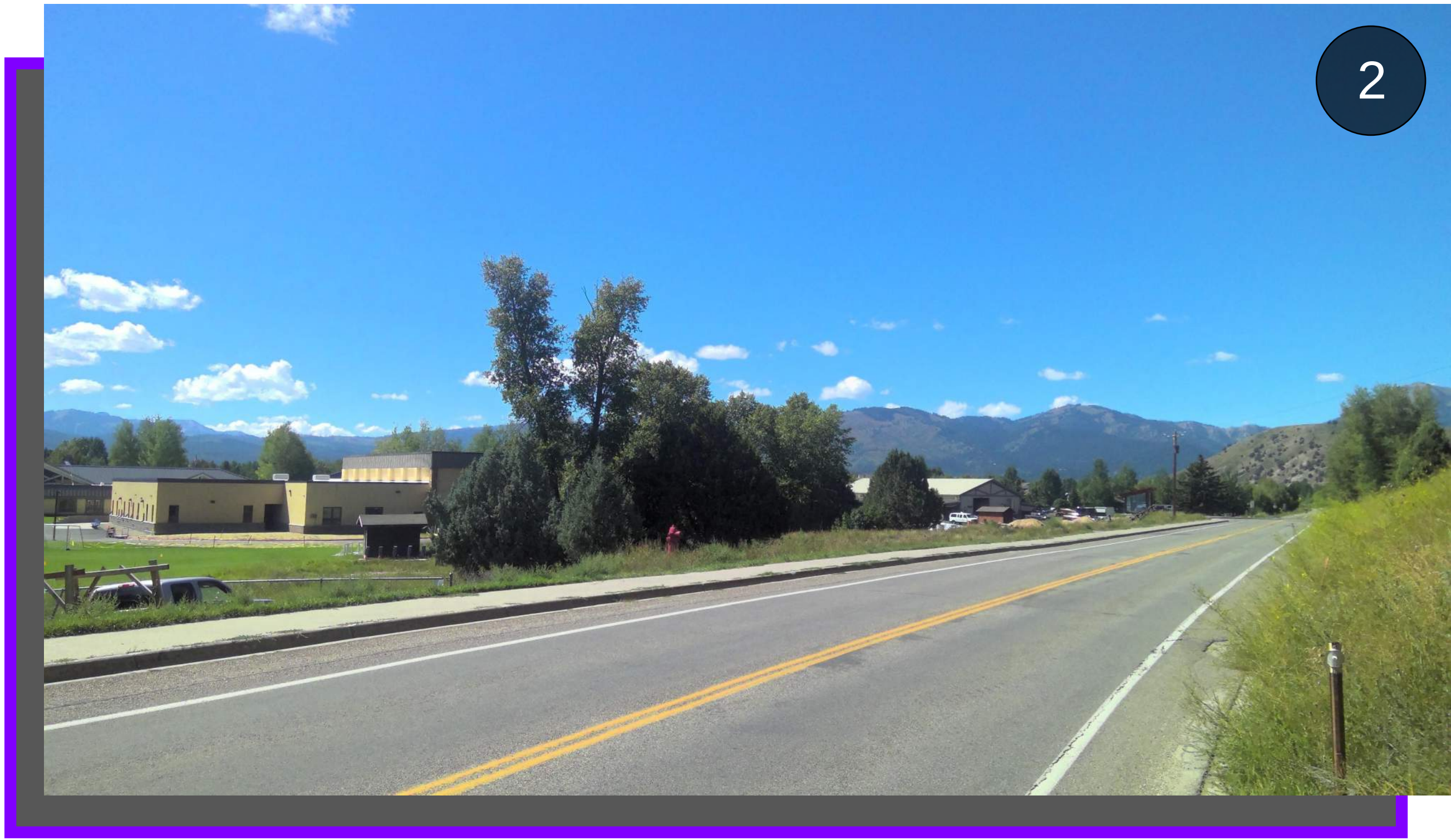
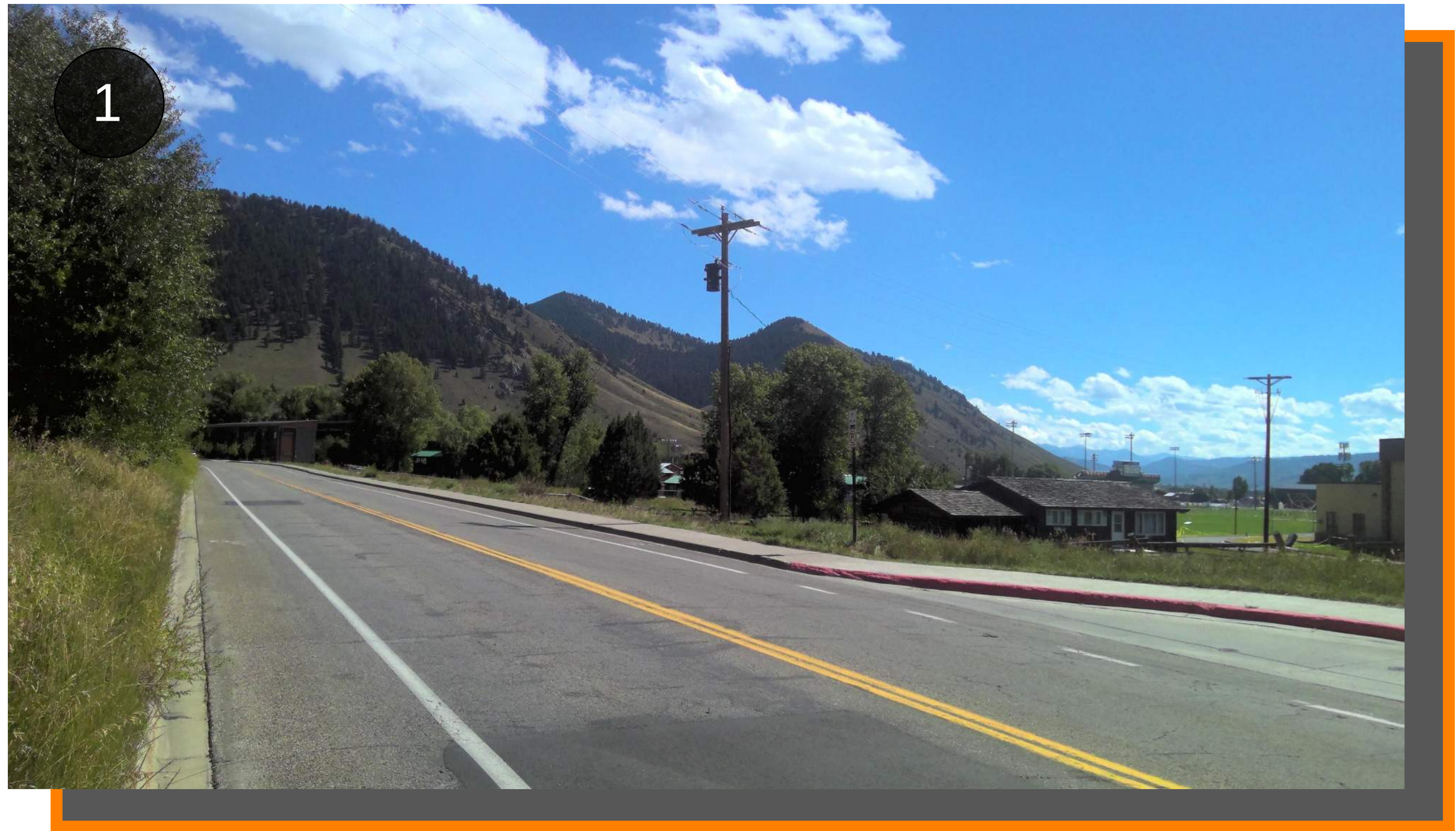
Humulus lupulus
Common Hops



Calamagrostis x acutiflora 'Karl Foerster'
Karl Foerster Feather Reed Grass



Helictotrichon sempervirens
Blue Oat Grass



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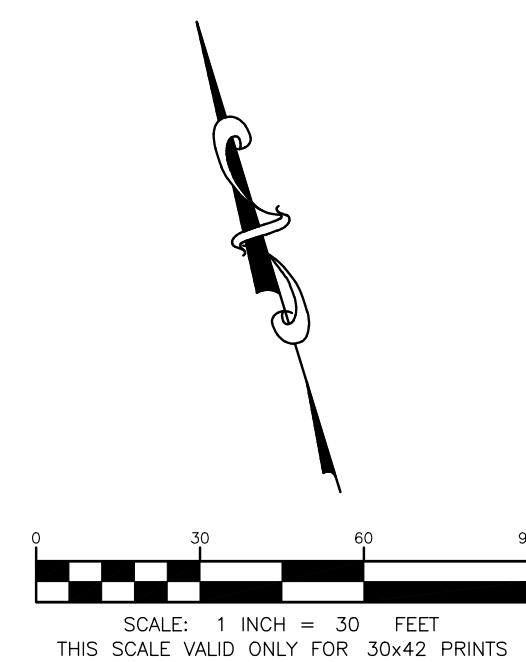
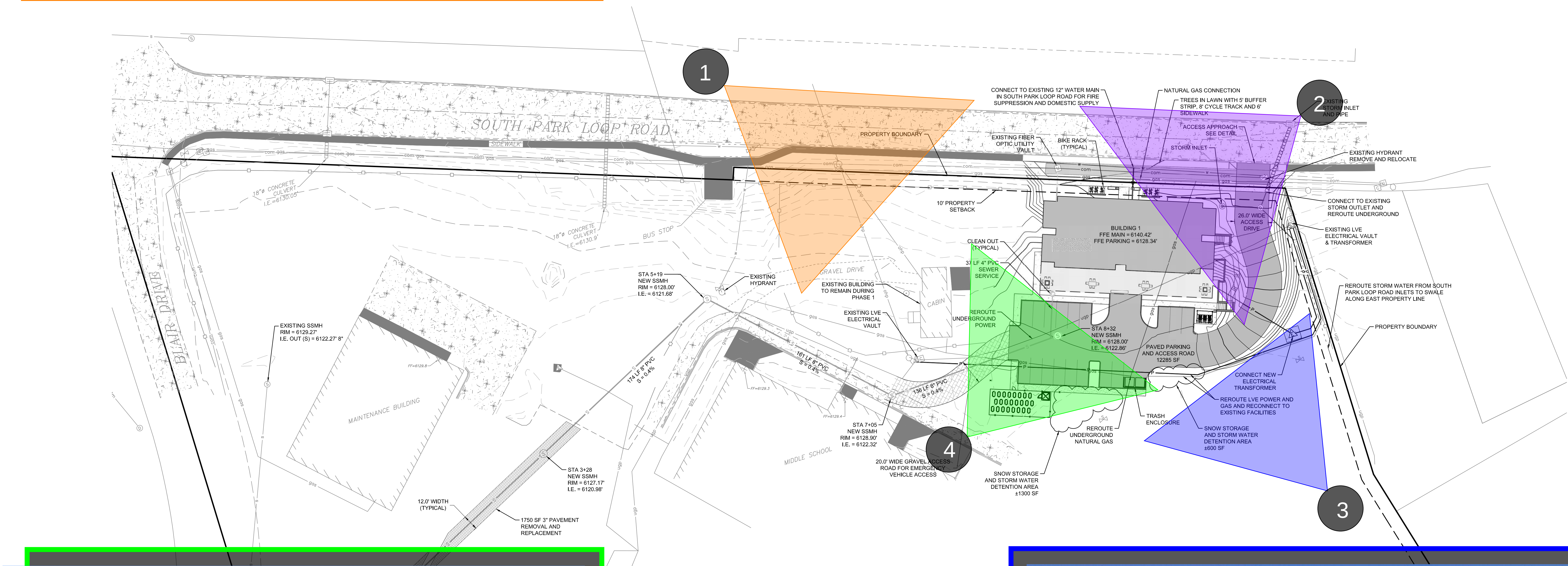
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Checked by NEAL ZEREN
REVISIONS

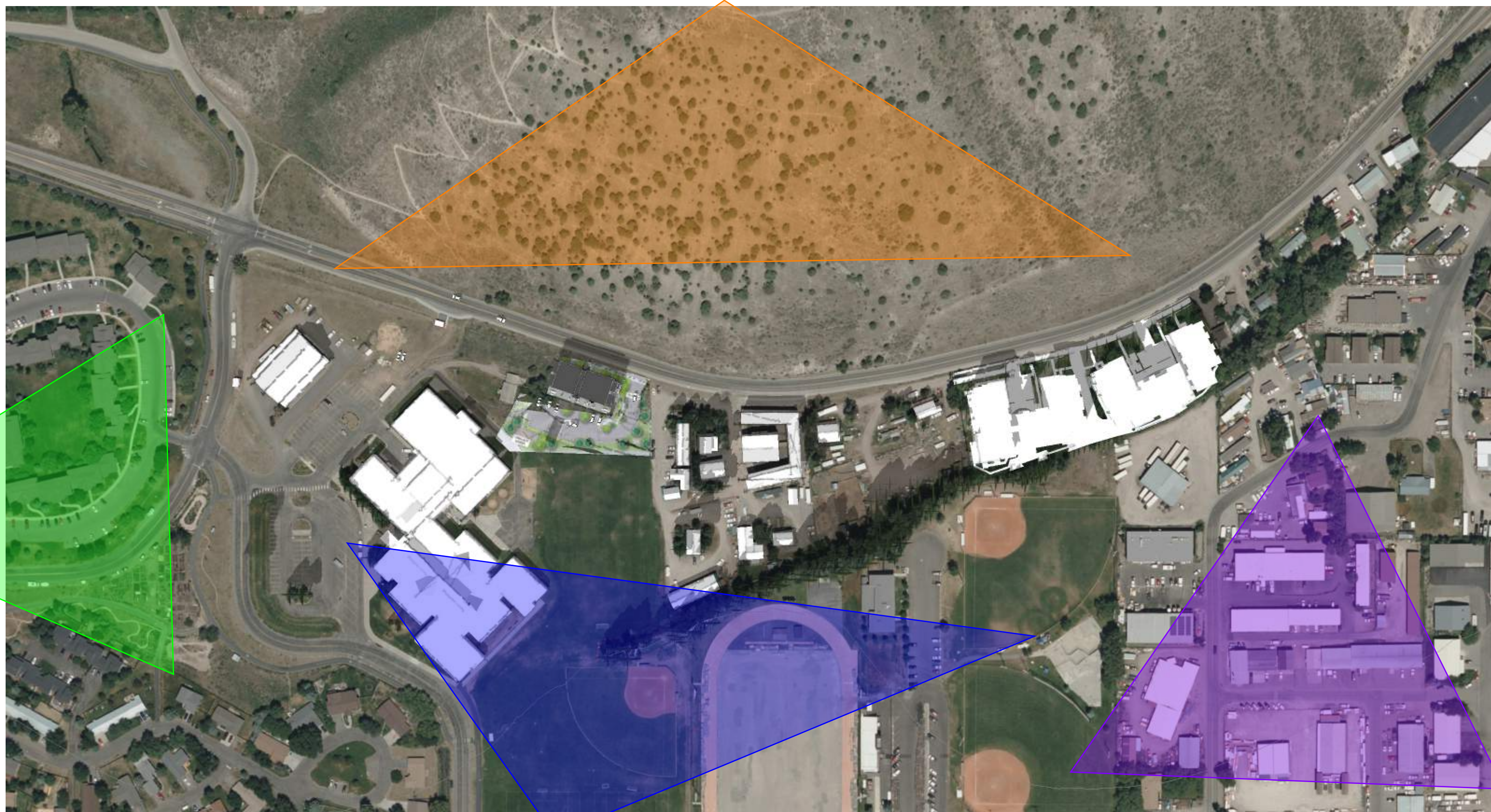
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DRC - SITE
CONTEXT

A000

9/25/2023 12:38:11 PM





No.	Description	Date



① DRC - PARKING PLAN
3/16" = 1'-0"

No.	Description	Date



105 DRC - FIRST FLOOR
3/16" = 1'-0"

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No.	Description	Date

DRC - FIRST LEVEL
FLOOR PLAN

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① DRC - Level 2
3/16" = 1'-0"

DRC SUBMITTAL

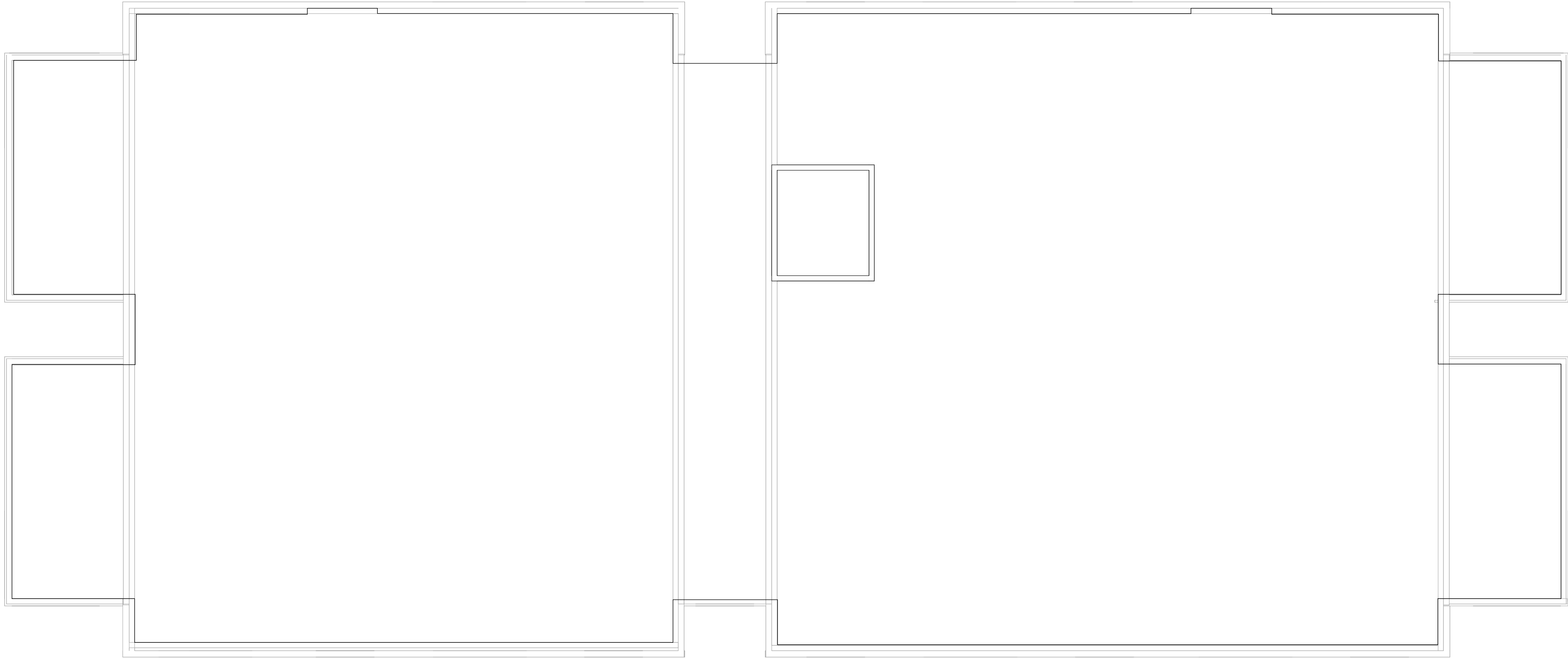
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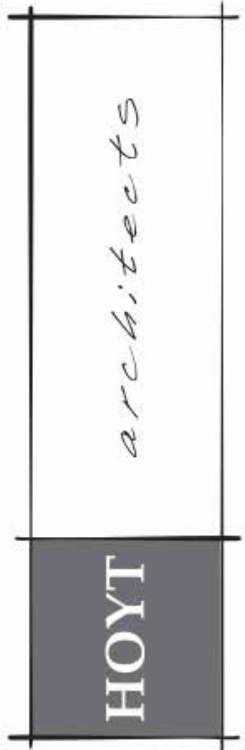
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No.	Description	Date

DRC - SECOND
LEVEL FLOOR PLAN



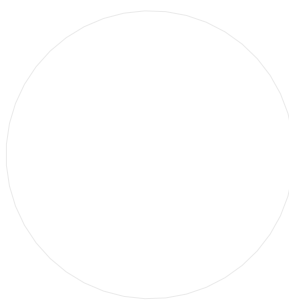
① DRC - ROOF PLAN
3/16" = 1'-0"



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DRC - ROOF PLAN



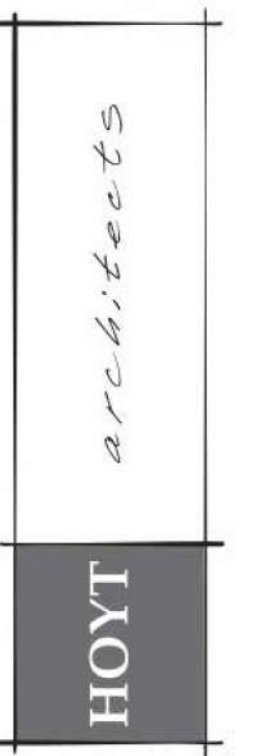
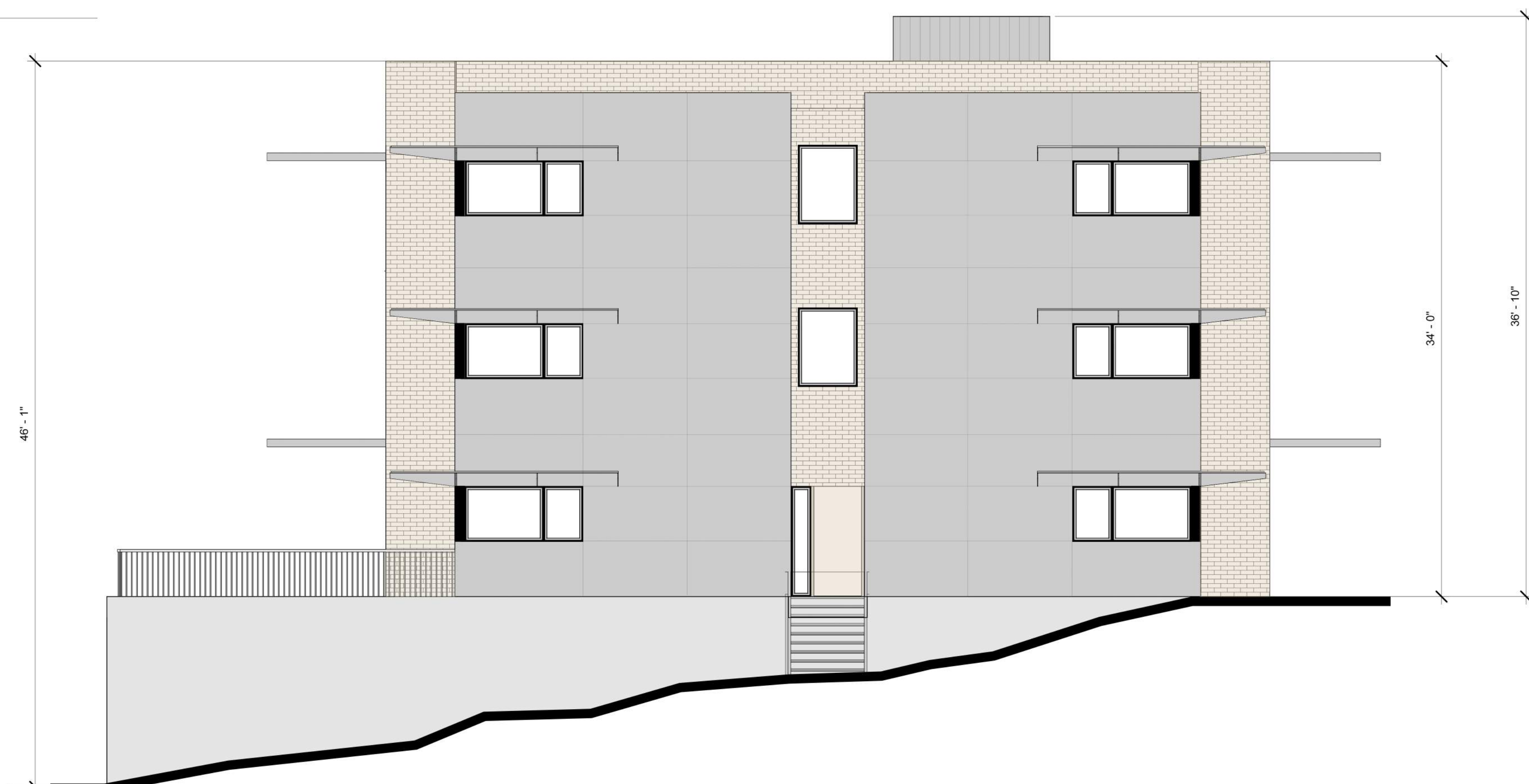
1 DRC - North Elevation
3/16" = 1'-0"



2 DRC - West Elevation
3/16" = 1'-0"



3 DRC - East Elevation
3/16" = 1'-0"



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DRC SUBMITTAL



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No.	Description	Date

DRC - BUILDING
ELEVATIONS

A020

9/25/2023 12:38:07 PM



① DRC - South Elevation
3/16" = 1'-0"



No.	Description	Date



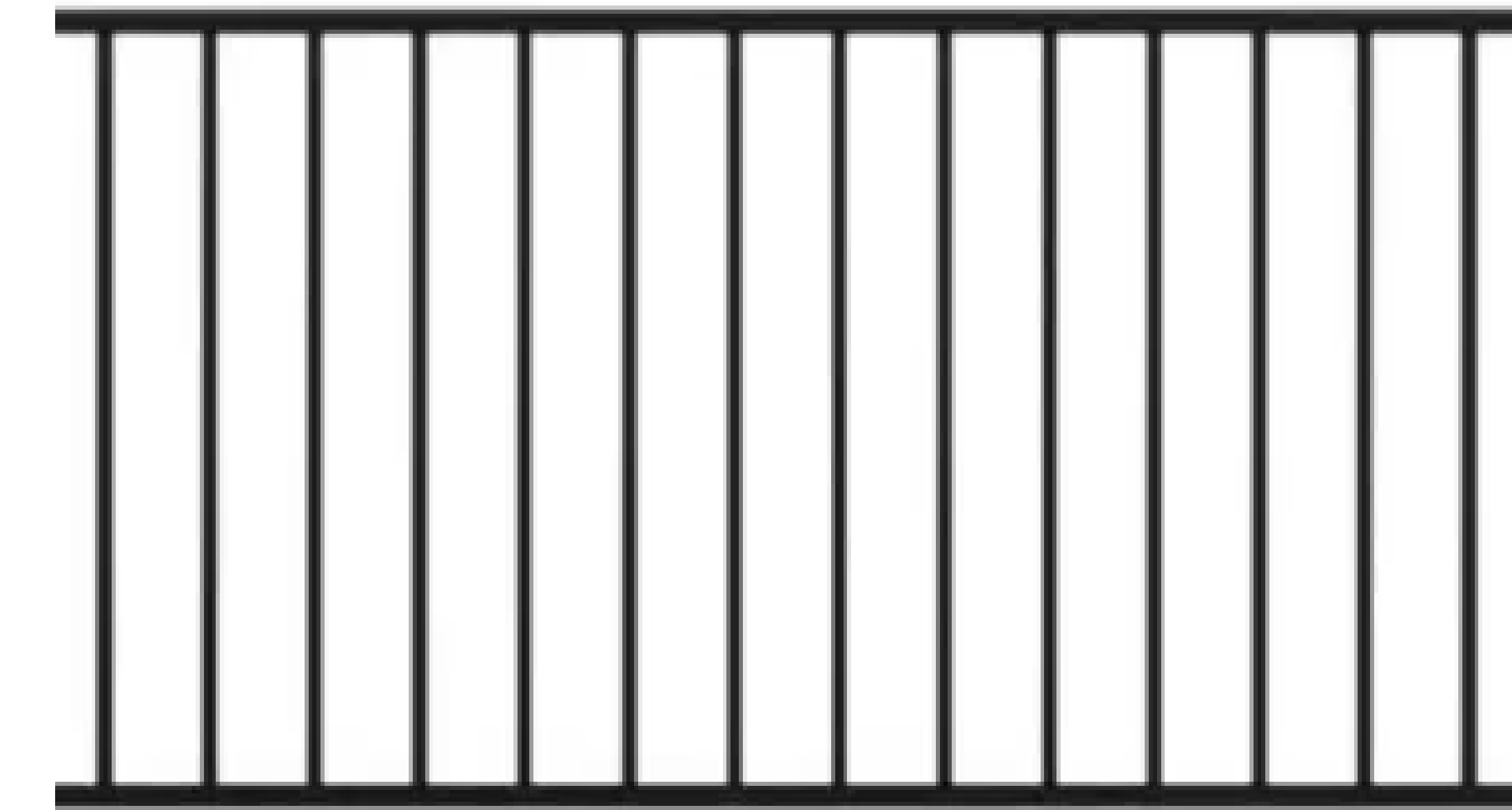
METAL SUN SHADE

MANUFACTURER: CUSTOM SHOP FABRICATED
COLOR: POWDER COATED BLACK



METAL FLASHING

COLOR: PREFINISHED BLACK
USE: COPING AT BRICK, ENTRY FASCIA, WINDOWS



METAL RAILINGS

PRODUCT: ALKYD URETHANE ENAMEL
COLOR: BLACK
USE: HANDRAILS & GUARDRAILS



EXPOSED METAL

PRODUCT: ALKYD URETHANE ENAMEL
COLOR: BLACK
USE: HANDRAILS & GUARDRAILS



WINDOWS

MANUFACTURER: SIERRA PACIFIC
COLOR: BLACK
MODEL: H3 - CASEMENT, AWNING, AND PICTURE



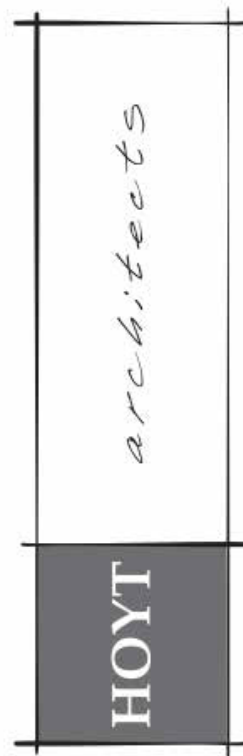
BRICK

MANUFACTURER: GENERAL SHALE
COLOR: PARCHMENT
LOCATION: DENVER COLORADO PLANT



AFC PANELS

MANUFACTURER: AMERICAN FIBER CEMENT CORPORATION
COLOR: TRANSPARENT 161 (DENAL)
LOCATION: LITTLETON, COLORADO

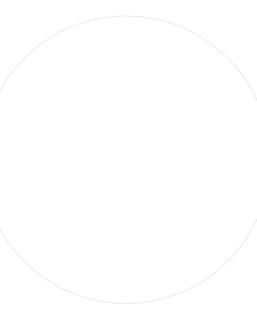


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REVISIONS

No.	Description	Date

DRC - EXTERIOR
MATERIALS

A022

9/25/2023 12:38:16 PM

Statistics				
Description	Symbol	Avg	Max	Min
E Tresspass Zone	+	0.1 fc	0.4 fc	0.0 fc
E. Property	+	0.5 fc	2.9 fc	0.0 fc
Entrance Road	+	2.3 fc	12.8 fc	0.3 fc
Parking Lot	+	1.1 fc	5.5 fc	0.0 fc
Patio	+	0.0 fc	0.4 fc	0.0 fc
Public Sidewalk	+	2.4 fc	32.1 fc	0.0 fc
W. Property	+	0.7 fc	4.9 fc	0.0 fc
W. Tresspass Zone	+	0.1 fc	0.7 fc	0.0 fc
Building Sidewalk	+	3.1 fc	40.9 fc	0.0 fc

TCSD1: Housing - Lighting Statistics
SCALE: NONE

Schedule						
Symbol	Label	Manufacturer	Description	Lamp Output	LLF	Input Power
	AD1	BEGA Converted by LUMCat V 06.03.2017 / H.R.	Linear LED for Address Lighting	1398	0.85	36
	A1	Rayon Lighting Group, Inc.	Area Light Fixture on a 15' pole with 3' above grade foundation. Total height 18 feet.	8954	0.85	83.15
	W2	Lithonia Lighting	LED Wall Pack	5719	0.85	47.21
	B2	Lithonia Lighting	3 foot Bollard LED Light, 4-Way Throw.	532	0.85	8
	SL1	WAC Lighting	Recessed LED Step light	31	0.85	4

TCSD1: Housing - Luminaire Schedule
SCALE: NONE

Article 5. Physical Development Standards Applicable in All Zones | Div. 5.3. Scenic Standards
5.3.2. Scenic Resources Overlay (SRO) Standards (1/1/15, Ord. 1074)
5.3.3.1. Exterior Lighting Standards (8/3/16, Ord. 1124)

The purpose of this Section is to allow necessary and reasonable lighting of public and private property for the safety, security, and convenience of occupants and the general public, while eliminating or reducing the nuisance and hazards of excessive light and glare.

A. Standards

Exterior lighting shall meet the below standards.

COMPLIANT

1. Total Cut-Off Luminaires and Fixtures. Luminaires and other light fixtures shall have a total cut-off of light at an angle less than 90 degrees and shall be located so that the bare light bulb, lamp, or light source is completely shielded from direct view from a vantage point 5 feet above the ground at the perimeter of the lighted area. The light, furthermore, shall be contained entirely on-site. The maximum permitted illumination and mounting height of the luminaire or fixture shall be as set forth below. The standards of this Section are not meant to prohibit the use of decorative antique, or "period" light fixtures, ground lighting, or bollard lighting, provided that the light source is diffused by a frosted lens or globe, or is otherwise filtered, shielded, or screened.

Maximum Luminaire Illumination and Height (Cut-Off Less Than 90°)		
Use and Zone	Max. Illumination (in footcandles)	Max. Height
Any use in the DC, CR-1, CR-2, and OR	1.5	18 ft
Residential uses in the S, AR-ToJ, AC-ToJ, UC and UR zones	1.0	15 ft
Residential use in all other zones and in NRO	0.5	15 ft
Nonresidential uses in R, S, and RB zones, and NRO	1.0	18 ft
Nonresidential uses BP-ToJ	2.0	18 ft
Nonresidential uses in all other zones	1.5	18 ft

NONE

2. Flag Poles. Flagpole lighting is permitted for United States and State of Wyoming flags only, provided the flagpole is ground mounted and does not exceed the maximum height for a structure in the zone in which the flagpole is located, and the following standards are met: lighted flagpole(s) shall only be permitted at essential government facilities, to be defined as post offices, fire and police stations and local, state and federal government administrative offices.

B. Exempt Uses

NONE

Because ball diamonds, playing fields, outdoor rinks, ski areas, and tennis courts have unique requirements for nighttime visibility and generally may have limited hours of operation, they shall be exempted from the Total Cut-Off Luminaires and Fixtures standards of this Section, if the below standards are met.

- Complies with Requirements. The proposed use meets all other requirements of these LDRs.
- Do Not Exceed Maximum Height. Exterior light sources do not exceed a maximum post height of 40 feet.
- Luminaire Shielded. If the luminaire is shielded in either its orientation or by landscaping to prevent light and glare spill-over to adjacent residential property, then the luminaire may exceed a total cut-off angle of 90 degrees. The maximum permitted illumination at the nearest interior setback line for a principal residential structure shall not exceed 1.5 footcandles.

C. Prohibited Lights

NONE

Notwithstanding any other provision of this Section, the following lighting is prohibited for all uses in all zones.

- Flickering or Flashing Lights. No flickering or flashing lights shall be permitted.
- Searchlights. No searchlights, laser lights, or holograms are permitted.
- Strings of Lights. Strings or strands of lights used to highlight a sign, perimeter of a sign, or any portion of a building are not permitted, except for Christmas-type decorative lighting displayed between November 1 and April 15, and except that, where "alpine" lights were legally in use on October 12, 1994, such use is allowed to continue, including expansions approved by the Town of Jackson.

Exterior Lighting Standards
Town of Jackson

TCSD1: Housing - Site Photometric Plan
SCALE: 1/16" = 1'-0"

TCSD1: Housing - Rendered View
SCALE: NONE



T349LED

19" SLIM LED AREA/FLOOD/WALL MOUNT

JOB INFORMATION

Type: _____
Catalog No: _____
Project Name: _____
Comments: _____
Prepared by: _____

TYPE A1, A2, A3

T349LED

FEATURES

USE OF PRODUCT

The intended use of this product is ideal for highways, streets, parking lots, public entrances, and any commercial or industrial applications.

HOUSING

Rugged die cast aluminum housing with easy access to fixture compartment.

FINISH

Standard Matt-finished, architectural powdercoat over a precise chromate conversion coating. Consult factory for custom architectural finishes.

OPTICS

White aluminum reflector is designed for maximum photometric efficiency and optimum light distribution. Rotatable optics available in Type I, II, III, IV or V. Flat glass lens provides impact resistance. Lens sealed by a one-piece silicon gasket which prohibits entrance of outside contaminants.

LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 5000K with CRI>83; Efficacy: 119lm/W. LEDs placed on high performance aluminum heatsink for reduced junction temperatures and extended life.

MOUNTING

Fixture pole must be mounted on a concrete base (supplied by others).

EPA

Effective Projected Area (Sq. Ft.): 0.554 ft² (1 fixture)

B-U-G Rating

T349LED - Type III B3-U0-G4

DRIVER

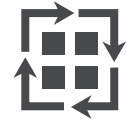
Durable LED driver operates at 120-277V with 0-10V dimming protocol. Power factor: 0.90; 50 to 60 Hz. Driver protections includes: Output open load, over-current and short-circuit, and over-temperature with auto recovery. -30°C Min Temp. to 40°C Max Temp.

EMERGENCY BATTERY

Optional integral emergency battery available up to 119W.

LISTINGS/COMPLIANCE

- CSA - Listed for wet locations.



Rotatable Optics

ORDERING INFO

SERIES	WATT/LUMENS	VOLTAGE	COLOR TEMPERATURE	DISTRIBUTION TYPES	MOUNTING	FINISH
T349LED	30 ¹ - 30W/3330lm	UNV - 120V-277V	30 - 3000K	T1 - Type I	SB - Swivel bracket	BZ - Bronze
	40 ¹ - 40W/4335lm	347V ² - 347V	35 - 3500K	T2 - Type II	SF - Slipfitter	MTO - Made to order
	58 ¹ - 58W/6032lm	480V ² - 480V	40 ³ - 4000K	T3 - Type III	TSAM6S - 6" Arm mount square pole	MGTO - Marine grade Made to order
	84 ¹ - 84W/8756lm		50 - 5000K	T4 - Type IV	TSAM10S - 10" Arm mount square pole	
	119 ¹ - 119W/12354lm			T5 - Type V	TSAM6R - 6" Arm mount round pole	
	170 - 170W/17510lm				TSAM10R - 10" Arm mount round pole	
	240 - 240W/25540lm				TWMB-SF ⁴ - Wall mount bracket ith slipfitter	
					TWMB90-SF ⁴ - Wall mount 90° bracket ith slipfitter	

OPTIONS

PC - Photocell 120-277V

PN - Photocell NEMA

MS - Motion Sensor (Bi-Level)

HSS - House side shield

BS - Bird Spikes

EM⁵ - Emergency Battery

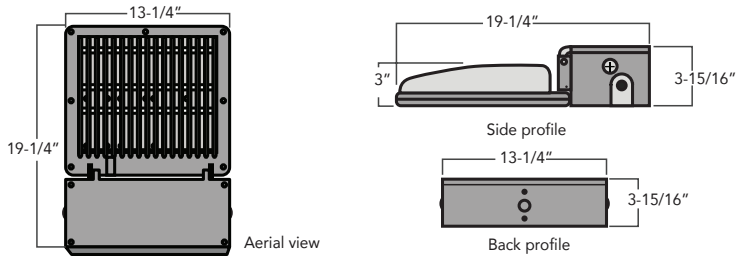
Notes

1. Integral Emergency battery.
2. Step down transformer Required.
3. Standard color temperature.
4. Requires slipfitter.
5. Integral EM up to 119W.

T349LED

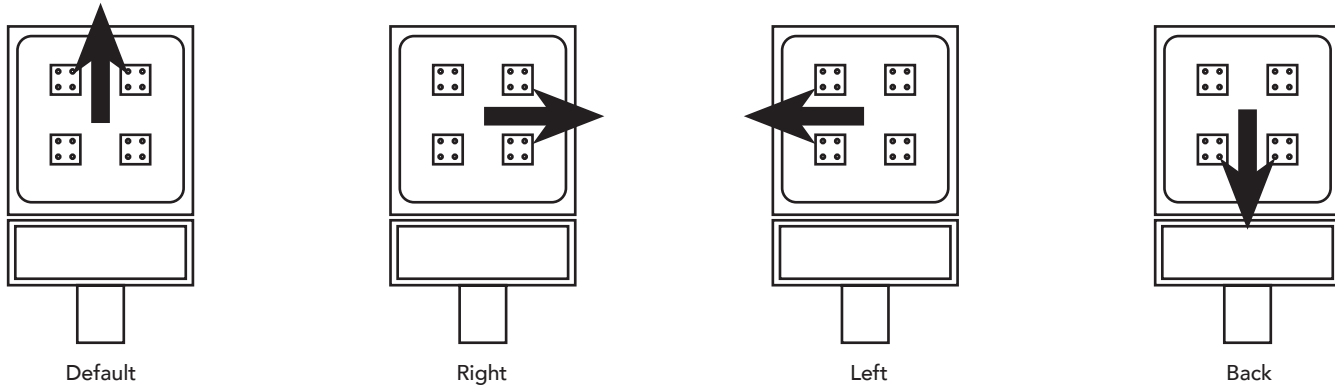
19" SLIM LED AREA/FLOOD/WALL MOUNT

DIMENSIONS

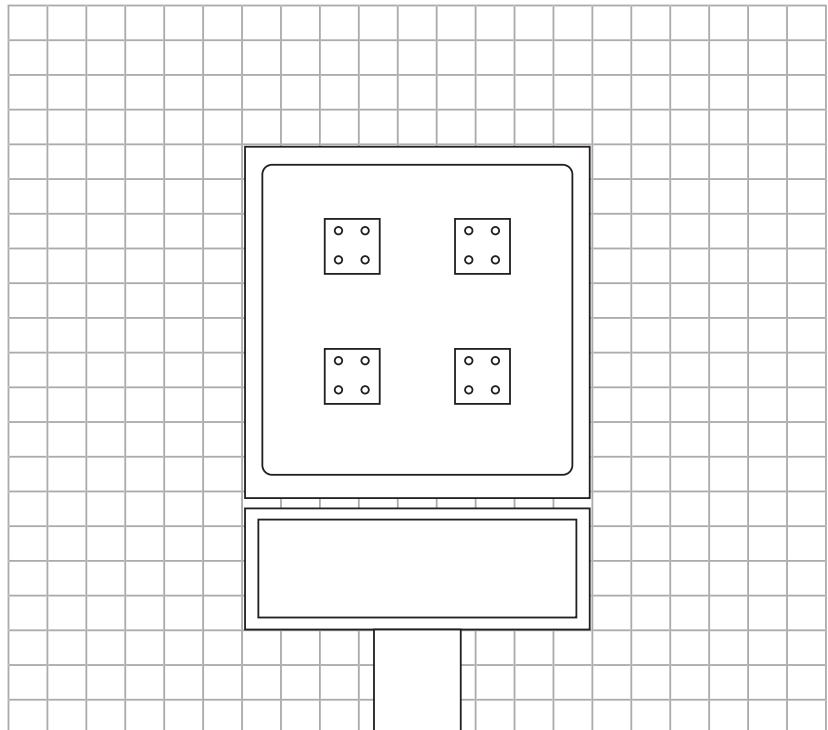


Weight: 21 lbs

ROTATABLE OPTICS



Please illustrate optic direction below and consult with factory

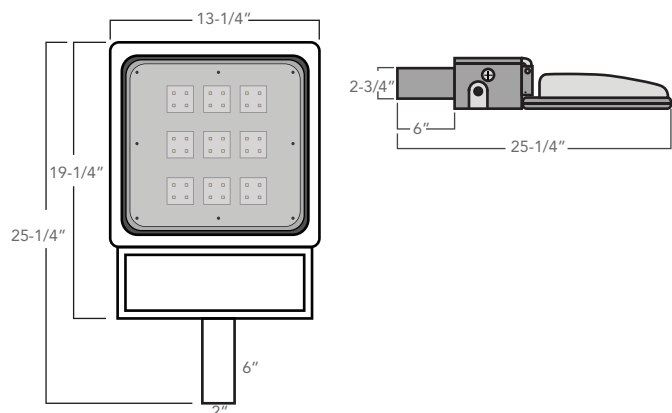


T349LED

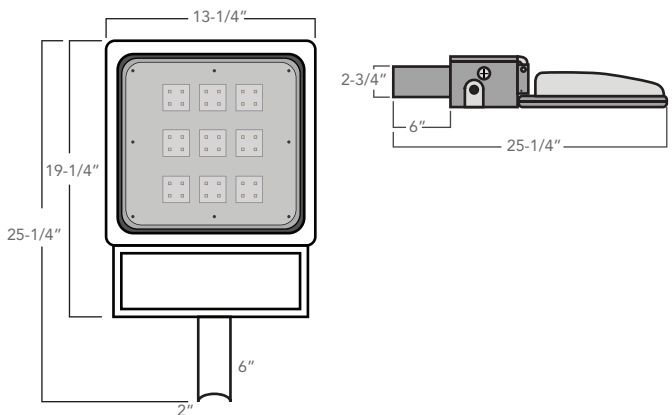
19" SLIM LED AREA/FLOOD/WALL MOUNT

MOUNTING DIMENSIONS

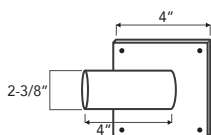
TSAM6/10S - 6"/10" Arm mount Square pole



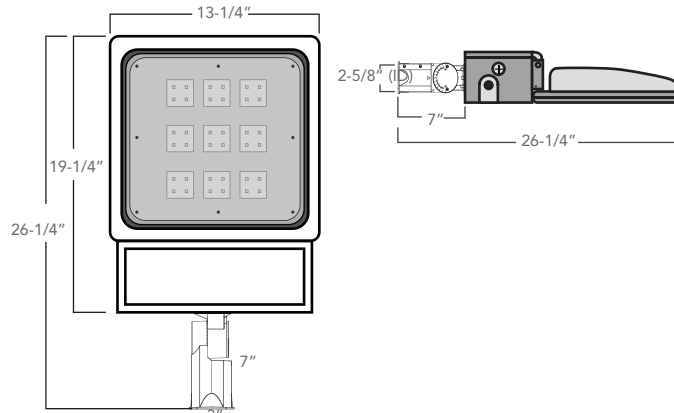
TSAM6/10R - 6"/10" Arm mount round pole



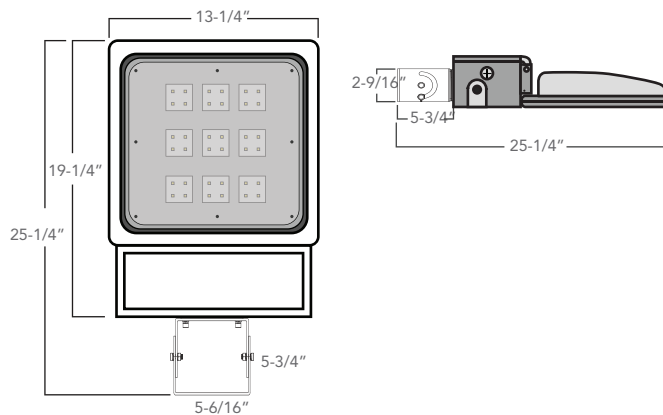
TWMB-SF - Wall mount bracket with slipfitter



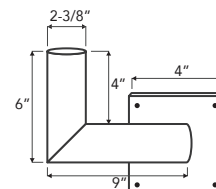
SF - Slipfitter



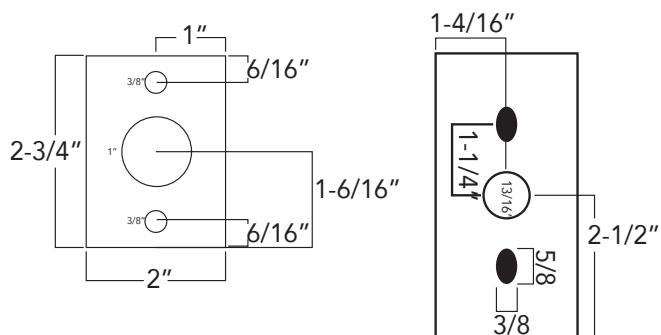
SB - Swivel Bracket



TWMB90-SF - Wall mount 90° bracket with slipfitter

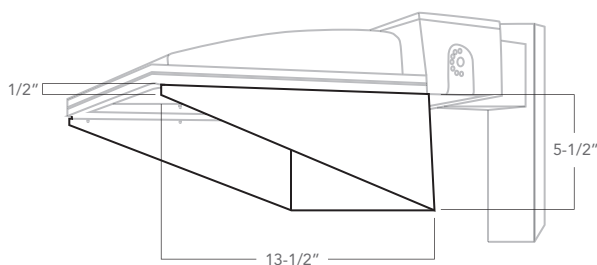


POLE ARM DRILL PATTERN



6"/10" Square arm mount
drill pattern

HOUSE SIDE SHIELD

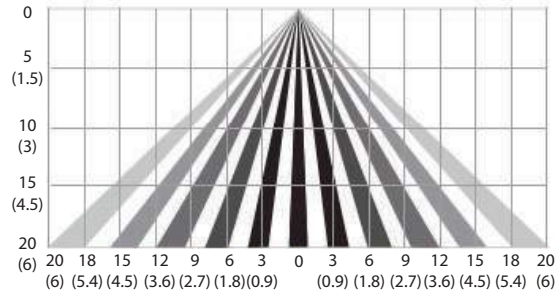
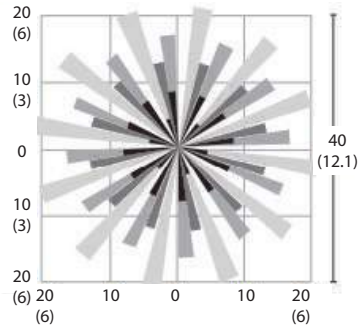


T349LED

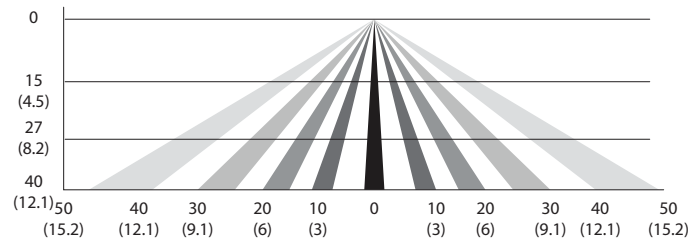
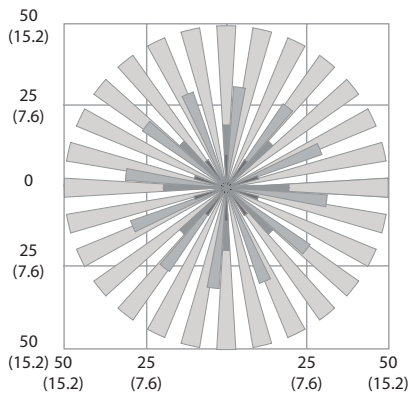
19" SLIM LED AREA/FLOOD/WALL MOUNT

PIR HEIGHT

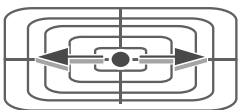
LPM - Lutron wireless radio module and sensor (medium mounting height 20ft)



LPH - Lutron wireless radio module and sensor (high mounting height 40ft)



DISTRIBUTION TYPES



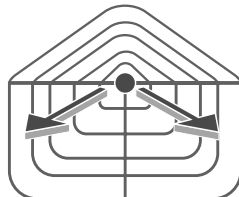
TYPE I

Type I is intended for walkways, roadways or any narrow paths. Typically known for its two-way lateral distribution having a preferred lateral width of 15° at the cone. Type 1 focuses majority of its light near the center of the pathway for even light disbursement since the light projects laterally at a 15° angle.



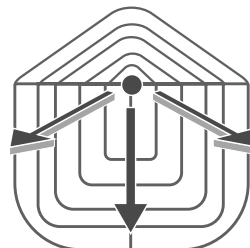
TYPE II

Type II distribution is well suited for expanded walkways, entrance roadway lighting and other applications. Having a lateral width of 18-29° means this type is meant for lighting larger areas.



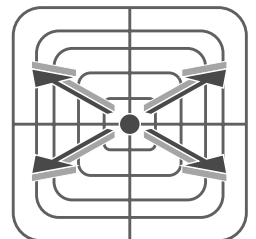
TYPE III

Type III distribution is well suited for roadway lighting, general parking areas and other areas where a larger area of light is required because it gives more coverage further from the point source outward. Type III distribution provides a wide, round pattern and yields an even light disbursement since the light projects outwards.



TYPE IV

Type IV distribution is best intended for sides of buildings and walls because of its semicircular light pattern. Type IV has a preferred lateral width of 60° make it ideal for parking area and court yard.



TYPE V

Type V distribution is intended for mounting at or near center of roadways, center islands of parkways or an intersection. Type V provides central circular or square design pattern, equally across all angles from a central point. It provides the most even pattern of light since light is pushed in all direction from the center.

Application

The LED wall mounted luminaire has light output on one side. Arranged individually or in groups, this is a great design element for a host of lighting applications. For downlight applications only.

Materials

Luminaire housing constructed of die-cast and extruded marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Matte safety glass
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65
Weight: 26.2 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	30.4 W
System wattage	36 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1399 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 45° C	229,000 h (L70)

LED color temperature

- ☐ 4000K - Product number + **K4**
- ☐ 3500K - Product number + **K35**
- ☐ 3000K - Product number + **K3**
- ☐ 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

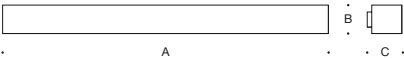
Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

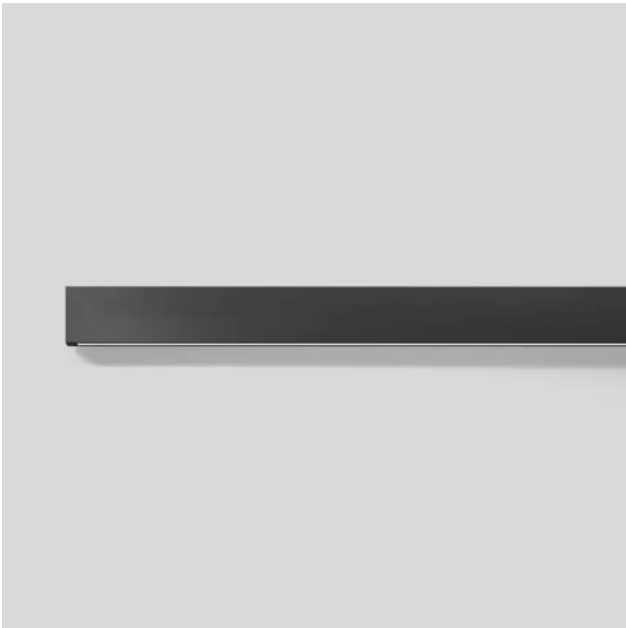
- Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
 ☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:
BEGA Product:
Project:
Modified:

TYPE AD1



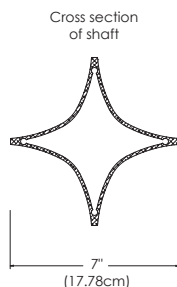
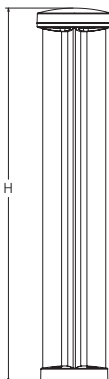
LED wall luminaire · light output on one side					
	LED	A	B	C	Required wiring box
44 419	30.4 W	59 7/8"	4 1/8"	5"	19 537





RADEAN Bollard

LED Site Luminaire



Catalog Number

Notes

Type

TYPE B2

Hit the Tab key or mouse over the page to see all interactive elements.

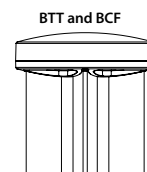
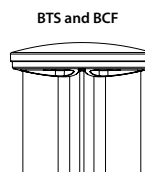
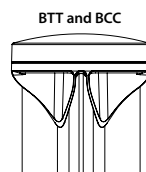
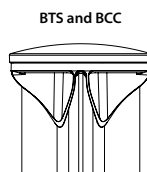
Specifications

Diameter: D = 8.25" (20.96cm)
Height: H = 41.5" Standard (105.41cm)
Weight (max): 20lbs (9.07Kg)

Introduction

The Radean LED Bollard is an award-winning, energy-saving, long-life solution designed to perform the way a bollard should.

The Radean LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.



Ordering Information

EXAMPLE: RADB LED P4 30K SYM MVOLT BTS BCCDNATXD DBLXD

RADB LED						
Series	Performance Package	Color temperature		Distribution	Voltage	Control options
RADB LED	P1	27K	2700 K	ASY Asymmetric ²	MVOLT ³	Shipped installed
	P2	30K	3000 K	SYM Symmetric ¹	120	PE Photoelectric cell, button type ^{4,5}
	P3	35K	3500 K		208 ³	DMG 0-10V dimming driver (no controls)
	P4	40K	4000 K		240 ³	E7WH Emergency battery backup, Certified in CA Title 20 MAEDBS ^{6,7,8}
	P5 ¹	50K	5000 K		277	FAO Field adjustable output ⁵
					347	PIR Motion sensor Bi-level ^{3,5,6,7}
					480	

Slim Top		Tall Top	
BTS	Slim top, painted to match shaft ^{5,9}	BTT	Tall top painted to match shaft ⁹
BTSDWHXD	Slim top, white ^{5,9}	BTDBLXD	Tall top, black textured ⁹
BTSDBLXD	Slim top, black texture ^{5,9}	BTDBLXD	Tall top, black ⁹
BTSDBLXD	Slim top, black ^{5,9}	BTDDBTXD	Tall top, dark bronze textured ⁹
BTSDDBTXD	Slim top, dark bronze textured ^{5,9}	BTDDDBXD	Tall top, dark bronze ⁹
BTSDDBXD	Slim top, dark bronze ^{5,9}	BTDDNATXD	Tall top, natural aluminum textured ⁹
BTSDNATXD	Slim top, natural aluminum textured ^{5,9}	BTDDNATXD	Tall top, natural aluminum ⁹
BTSDNAXD	Slim top, natural aluminum ^{5,9}	BTDDWHGXD	Tall top, white textured ⁹
BTSDWHGXD	Slim top, white textured ⁹	BTDDWHXD	Tall top, white ⁹

Bollard crown (required)				Other options	Finish (required)
Deep Crown		Flat Crown		H24 ^{6,10} 24" overall height	DDBXD Dark bronze
BCC	Deep crown, painted to match shaft ⁹	BCF	Flat crown, painted to match shaft ⁹	H30 ^{6,10} 30" overall height	DBLXD Black
BCCDWHXD	Deep crown, white ⁹	BCFDBLXD	Flat crown, black textured ⁹	H36 ^{6,10} 36" overall height	DNAXD Natural aluminum
BCCDBLXD	Deep crown, black ⁹	BCFDBLXD	Flat crown, black ⁹	L/AB Without anchor bolts	DWHXD White
BCCDBLXD	Deep crown, black textured ⁹	BCFDDBTXD	Flat crown, dark bronze textured ⁹		DDBTXD Textured dark bronze
BCCDBTXD	Deep crown, dark bronze textured ⁹	BCFDDBXD	Flat crown, dark bronze ⁹		DBLXD Textured black
BCCDBXD	Deep crown, dark bronze ⁹	BCFDNATXD	Flat crown, natural aluminum textured ⁹		DNATXD Textured natural aluminum
BCCDNATXD	Deep crown, natural aluminum textured ⁹	BCFDNAXD	Flat crown, natural aluminum ⁹		DWHGXD Textured white
BCCDNAXD	Deep crown, natural aluminum ⁹	BCFDWHGXD	Flat crown, white textured ⁹		
BCCDWHGXD	Deep crown, white textured ⁹	BCFDWHXD	Flat crown, white ⁹		

Accessories

Ordered and shipped separately.

RADBAB U	Anchor bolts (4)	RK1RADB BCKIT (FINISH) U	Base cover with bolt caps
RADBABC DDBXD U	Replacement anchor bolt covers (specify finish) (4)	RK1RADB EMTESTMAG U	Emergency test stylus

NOTES

- P5 only available in SYM distribution.
- ASY has only two illuminated quadrants driven at higher drive currents to generate similar output as the SYM-4-quadrant product.
- PIR not available with 208V or 240V.
- PE only available with ASY.
- PE, PIR and FAO not available with BTS.
- E7WH and PIR only available in full height. Not available with H24, H30 or H36.
- PIR not available with E7WH.
- E7WH is not available with 347V or 480V.
- Architectural and custom colors available (additional leadtimes and cost may apply).
- 42" Height is standard. H24, H30 and H36 have longer leadtimes.



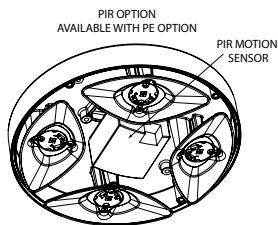
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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RADB-LED
 Rev. 10/25/22

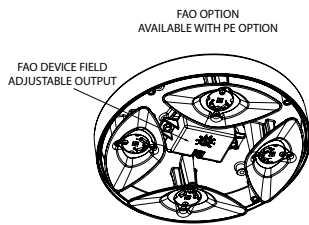
Options

PIR



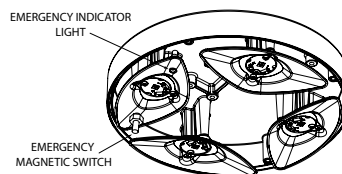
Only available with BTT tops

FAO



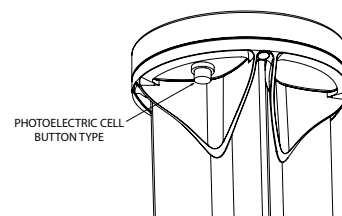
Only available with BTT tops

EZWH



Only available with ASY

PE



Only available with ASY

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 +/- 8% when operating between 120-480V +/- 10%.

Performance Data DNAXD Finish*

Light Engines	Performance Package	System Watts	2700K					3000K					3500K					4000K					5000K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
"Symmetric (4 light engines)"	P1	5	345	0	1	0	66	362	0	1	0	69	370	0	1	0	71	380	0	1	0	73	382	0	1	0	73
	P2	8	644	0	1	0	81	677	0	1	0	85	692	0	1	0	87	711	0	1	0	89	713	0	1	0	89
	P3	13	1036	1	1	0	77	1088	1	1	0	81	1112	1	1	0	83	1142	1	1	0	85	1146	1	1	0	85
	P4	19	1460	1	1	0	79	1534	1	1	0	83	1568	1	1	0	84	1610	1	1	0	87	1616	1	1	0	87
	P5	32	2314	1	1	0	72	2430	1	1	0	75	2484	1	1	0	77	2551	1	1	0	79	2561	1	1	0	79
"Asymmetric (2 light engines)"	P1	5	312	0	1	0	60	328	0	1	0	63	335	0	1	0	64	344	0	1	0	66	346	0	1	0	66
	P2	8	584	0	1	0	73	613	0	1	0	77	627	0	1	0	78	644	0	1	0	81	646	0	1	0	81
	P3	13	938	0	1	0	70	985	0	1	0	73	1007	0	1	0	75	1035	0	1	0	77	1038	0	1	0	77
	P4	19	1323	0	1	0	71	1390	0	1	0	75	1420	0	1	0	76	1459	0	1	0	78	1464	0	1	0	79

*Note: Lumen output varies based on finish. Silver color shown, for black (worst) or white (best) photometry, see specific photometric files downloadable from www.acuitybrands.com

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.

Projected LED Lumen Maintenance				
	25,000	50,000	75,000	100,000
P1	0.94	0.89	0.85	0.80
P2	0.94	0.89	0.85	0.80
P3	0.94	0.89	0.85	0.80
P4	0.94	0.89	0.85	0.80
P5	0.94	0.89	0.85	0.80

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average temperatures from 0-40°C (32-104°F).

Ambient		LAT Factor
0	32°F	1.03
5	41°F	1.03
10	50°F	1.02
15	59°F	1.01
20	68°F	1.01
25	77°F	1
30	86°F	0.99
35	95°F	0.99
40	104°F	0.98

Electrical Load

	Current (Amp)						Current (Amp)			
	Watts @120V (W)	Watts @277V (W)	@120V (A)	@208V (A)	@240V (A)	(@277V) (A)	Watts (@347V)	Watts (@480V)	(@347V) (A)	(@480V)
P1 ASY	5	6	0.0445	0.0299	0.0276	0.0262	10	10	0.0443	0.0319
P2 ASY	9	10	0.0751	0.0471	0.0429	0.0399	14	14	0.0505	0.0364
P3 ASY	14	15	0.1147	0.0699	0.0627	0.0571	18	18	0.0611	0.0441
P4 ASY	19	19	0.1586	0.0928	0.0819	0.0735	23	23	0.0709	0.0513
P1 SYM	5	6	0.0444	0.0301	0.0279	0.0265	9	9	0.0441	0.0319
P2 SYM	9	10	0.0734	0.0461	0.0421	0.0391	13	13	0.0502	0.0363
P3 SYM	13	14	0.112	0.067	0.0598	0.0544	18	18	0.0602	0.0435
P4 SYM	18	19	0.1535	0.0902	0.0796	0.0713	22	22	0.0691	0.0499
P5 SYM	31	31	0.2597	0.1527	0.1326	0.1149	35	36	0.1079	0.079



COMMERCIAL OUTDOOR

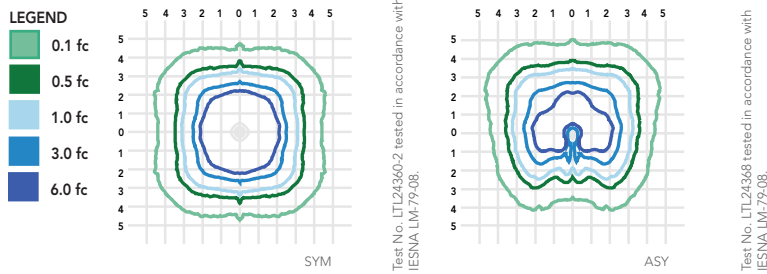
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RADB-LED
Rev. 10/25/22

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RADEAN Bollard homepage](#).

Isofootcandle plots for the RADB. Distances are in units of mounting height (3.5').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the Radean LED 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.

CONSTRUCTION

One-piece extruded aluminum shaft with thick side walls for extreme durability, and die-cast reflector and top cap. Four 3/8" x 7" anchor bolts with double nuts and washers and 5-2/3" max. 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 optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination. Light engines are available in 2700K, 3000K, 3500K, 4000K or 5000K.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L80/100,000 hours at P5 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. Emergency battery backup rated for -10°C minimum ambient. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color or less. U.S. Patent No. D912,850S

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

Five-year limited 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. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application and color. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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RADB-LED
Rev. 10/25/22

Model: WL-LED100

LEDme® Step Light

WAC LIGHTING

Responsible Lighting®



Fixture Type:

TYPE SL1

Catalog Number:

Project:

Location:

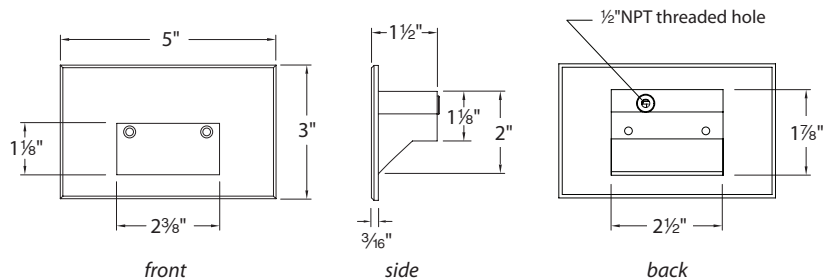
PRODUCT DESCRIPTION

Horizontal rectangle LEDme® Step Light. Designed for safety and style on stairways, patios, decks, balcony areas, walkways and building perimeters.

Features an architectural design. Energy efficient for long-lasting indoor and outdoor lighting solutions. Creates an attractive, romantic impression at night.

FEATURES

- Solid diecast brass, corrosion resistant aluminum alloy, or cast stainless steel construction
- Direct wiring, no driver needed
- Low profile, flush to wall aesthetics with no visible hardware
- 54,000 hour rated life
- Balanced lighting, free of shadows with minimum glare
- IP66 rated, Protected against high-pressure water jets
- Up to 200 fixtures can be connected in parallel
- 5 year WAC Lighting product warranty



SPECIFICATIONS

Construction: Die-cast aluminum or 316 marine grade cast stainless steel

Power: Direct wiring, no remote driver needed. Input voltage: 120V or 277VAC 50/60Hz

Light Source: 2700K or 3000K CCT Samsung HV-AC High Power LED, CRI: 90
Optional color lenses. Total power consumption of 3.5W

Mounting: Fits into 2" x 4" J-Box with minimum inside dimensions of 3"L x 2"W x 2"H
Includes bracket for J-Box mount.

Dimming: Dim to 10% with electronic low voltage (ELV) dimmer
Approved dimmers: Lutron Nova-T NTELV-300 & NTELV-600, Lutron Vietri VTELV-600, Lutron Diva DVELV-300P, Lutron Skylark SELV-300P, Lutron Maestro MAELV-600

Standards: IP66, UL & cUL Listed for wet locations, Title 24 JA8-2016 Compliant.

ORDER NUMBER

120V Model #	Light Color	Finish	277V Model #	Light Color	Finish
WL-LED100 120V	27 Warm 2700K	BK Black on Aluminum	WL-LED100F 277V	C White 3000K	BK Black on Aluminum
	C White 3000K	BN* Brushed Nickel on Aluminum		AM Amber 610nm	BN* Brushed Nickel on Aluminum
	AM Amber 610nm	BZ Bronze on Aluminum		RD Red 640nm	BZ Bronze on Aluminum
	RD Red 640nm	GH Graphite on Aluminum		BL Blue 450nm	GH Graphite on Aluminum
	BL Blue 450nm	SS Stainless Steel			SS Stainless Steel
		WT White on Aluminum			WT White on Aluminum
WL-LED100 120V	27 Warm 2700K	BBR Bronze on brass			
	C White 3000K				
	AM Amber 610nm				

*Brushed Nickel Finish is for interior use only



Example: **WL-LED100F-BL-SS**

wacighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760



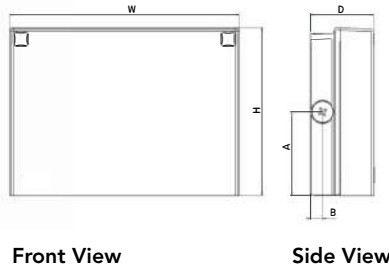
WPX LED Wall Packs



Catalog Number	TYPE W2
Notes	
Type	

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications



Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²
WPX2 LED	6,000 Lumens, 47W	50K 5000K	E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	PE Photocell ³
WPX3 LED	9,200 Lumens, 69W			

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. 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. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited 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. 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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WPX LED
Rev. 03/08/22

Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

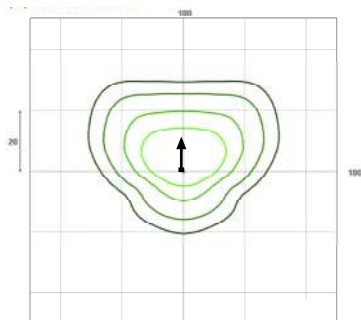
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

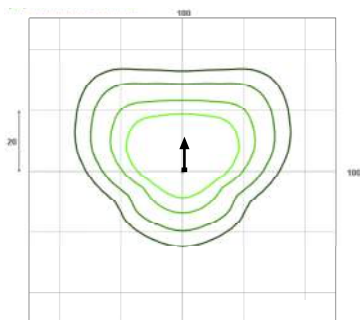
LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

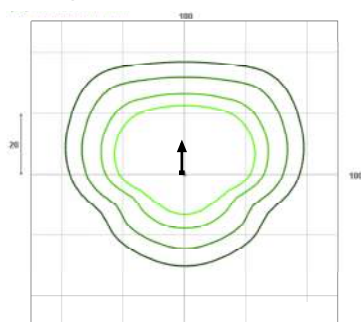
WPX1 LED P1



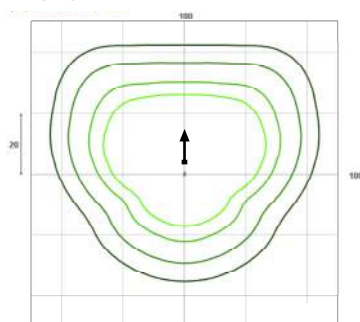
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.