

AGENDA
Design Review Committee
February 9, 2022 – REGULAR MEETING
5:00 PM

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. LOG INTO DRC MEETING

I. Link to ZOOM meeting:

<https://us02web.zoom.us/j/88995726066?pwd=V3k4bTU5VWZsSXFpaUlwcndOSytTQT09>

2. CALL TO ORDER

3. ROLL CALL

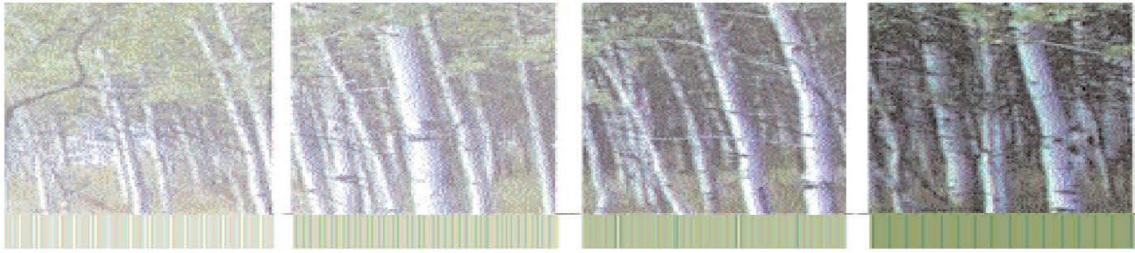
4. NEW BUSINESS

I. P21-301: 335 S. Millward St. (Continuation) Jackson Street Apartments - Final Approval

II. P21-299: 155 E. Gill Ave. (Continuation) Recreation Center Expansion - Final Approval

5. MATTERS FROM STAFF

6. ADJOURNMENT



Town of Jackson Design Guidelines Checklist

Meeting Date: February 9, 2022

Item Number: P21-301

Applicant: Jackson Teton County Affordable Housing

Address: 335 S. Millward Street – Jackson Street Apartments

Recommendations: Final Approval

Project Summary:

The DRC approved the proposed buildings and general site plan for the 57-unit affordable housing project as part of its review on December 8, 2021. However, as part of that approval, the DRC also asked that the applicant return to the DRC to address the following items:



- a. To consider alternative designs for the window well guardrail for the garden-level units, especially with something smaller in scale;
- b. To consider making the entire street frontage around the project a 'Trees in Lawn' frontage;
- c. To provide a lighting plan that shows all proposed internal project lighting as well as any lighting along the street frontages;
- d. To consider options for working with or encouraging the Town to complete the sidewalk frontage around the southeastern corner of the block to fully connect the sidewalk around the entire block;
- e. To consider providing a greater variety of plantings along both the street and internal to the site.
- f. To consider options for preserving the large spruce tree on the corner of Jackson Street and Kelly Avenue.

The applicant has provided a narrative, landscape plan, lighting plan, and handrail schematics to address the above items.

For context, staff has included the below summary of the project from the original submittal.

The applicant is seeking final approval for a new 57- unit deed-restricted affordable housing project. The project is split-zoned with the northern portion (6 lots) zoned Commercial Residential - 1 (CR-1) and the southern portion (4 lots) zoned

Neighborhood High-Density-1 (NH-1). The northern properties are owned by a private entity Red House LLC, while the southern properties are owned by Teton County. This project is a joint public-private partnership to build affordable housing that will be managed by the Jackson Teton County Housing Department. All 64 parking spaces are provided as uncovered surface parking and are located on both sides of the alley internal to the site.

The CR-1 portion of the site consists of approximately 25,491 sf of development within four separate buildings. The units include 1br, 2 br, and 3 br units. The four structures are approximately 39' tall in height and exterior materials include a variety of brown stained wood siding, grey stone, and black metal panels. An exterior materials palette is provided in the packet and physical samples are available for inspection at the Planning Department office.

The NH-1 portion of the project consists of approximately 15,149 within two separate building that include a similar mix of 1br, 2 br, and 3 br units. The two structures are approximately 35' tall in height. The same exterior materials are proposed for these buildings as for the northern buildings.

The pedestrian frontage on the CR-1 portion of the project will be street trees with pavers while the NH-1 portion will be a trees in lawn frontage. There are no current sidewalks on part of the project so the new sidewalks will significantly improve pedestrian access and safety.

While a complete zoning compliance analysis has not been done, based on the application materials and staff's review, the project appears to comply with most LDRs. The applicant acknowledges, however, that two Administrative Adjustments will be requested to reduce the amount of parking from 86 spaces to 64 spaces and to reduce the front setbacks on the Kelly Avenue frontage from 20' to 16' and Jackson frontage from 10' to 8 feet. The Administrative Adjustments will be formally submitted and reviewed as part of the building permit review.

This project does not require a Development Plan and so will go straight to building permit for review. However, due to the public land and partial funding of the project, the project will be presented to the Council in a public workshop on December 20.

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 g 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.

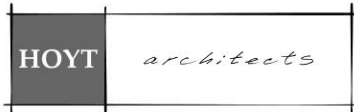
Submittal Checklist for Design Review Committee (DRC)

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). |
| ☐ N/A | <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. |
| ☐ N/A | <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. |
| ☐ N/A | <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. |



January 18, 2022

Red House Affordable Housing

DRC Second Submittal

Project Narrative

Following the Design Review Committee comments and recommendations, please see attached revised DRC Submittal. Below is a written narrative of design responses to DRC comments.

Comments from Town of Jackson Planning and Building Department:

Recommendation #2: To continue review of other aspects of the site plan with the following recommendations:

- a. To consider alternative designs for the window well guardrail for the garden-level units, especially with something smaller in scale;
- b. To consider making the entire street frontage around the project a 'Trees in Lawn' frontage;
- c. To provide a lighting plan that shows all proposed internal project lighting as well as any lighting along the street frontages;
- d. To consider options for working with or encouraging the Town to complete the sidewalk frontage around the southeastern corner of the block to fully connect the sidewalk around the entire block;
- e. To consider providing a greater variety of plantings along both the street and internal to the site.
- f. To consider options for preserving the large spruce tree on the corner of Jackson Street and Kelly Avenue.

Responses to comments from Town of Jackson Planning and Building Department:

Through meetings internally and with Town of Jackson Engineering, Planning, Building departments, the Design Team has reviewed, considered, and where appropriate modified the aspects of the site plan in line with the recommendations listed above.

- a. Through careful consideration of life safety and aesthetic recommendations, from the DRC, the Design Team has modified the site guardrails. We have designed these to balance a maximum transparency while still maintaining a necessary life-safety element. We have discontinued the guardrail to 'break-up' the long stretch of

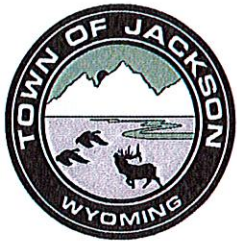
rail and introduced plantings in this opening.

- b. The street frontage trees have been located in a 'green strip'. We are proposing lawn in-lieu of the pavers which are required by current Town of Jackson Streetscape Guidelines.
- c. We have attached a proposed lighting plan. In the Town of Jackson, there are no regulations requiring lighting in the interior parking areas. We did, however, feel it important to provide lighting to create a safer environment. Lighting on the interior is designed to the lower end of national standard levels. We have purposely not included streetscape lighting deferring to problems they have caused for neighbors on other projects. If required, we will add streetscape lighting. We are also following the Town of Jackson exterior lighting regulations. These regulations are written such that the amount of lumens of exterior lighting on the site is proportional to the amount of site development. The site contains 33,000 square feet of site development, therefore the maximum allowable amount of lumens would be 3 times the 33,000 square feet resulting in 99,000 lumens max. Our design is showing 2.5 lumens per square foot, or 82,500 lumens.
- d. We have discussed, with the Town of Jackson Engineering Department, completing the sidewalk frontage around the southeastern corner of the block. The TOJ Public Works has noted that the sidewalk on the Millward section is contingent on the redevelopment of the 3 lots outside our project. There was support and consideration for the additional sidewalk on the south section along Kelly where there is currently no sidewalk. However, this TOJ Public Works project will be dependent on timing and budget.
- e. Along the street scape, we have provided a variety of plantings. There is an alternating pattern of Patmore Green Ash and North Horizon American Elm. To add to the variety, the internal plantings have been designed to include Quaking Aspens. Throughout the site we are also providing a mix of Tor Birchleaf Spirea and Common Lilac shrubs.
- f. There has been much deliberation regarding the saving of the southwest corner spruce tree, however, through discussions with the Town of Jackson Engineering Department and careful consideration of Town of Jackson City County comments, we will not be able to save this tree per the following findings:

- 1. Town of Jackson LDRs section 7.6.3.M.3 "Site Obstruction" does not permit this: 3. Site Obstruction. *In addition to the corner sight distance requirement, no fence, wall, entrance, hedge, shrub planting, tree, or other sight obstruction above 2.5 feet above the pavement elevation shall be located within the triangular area formed*

by curb-lines and a line connection them at points 30 feet from their point of intersection in residential zones and 15 feet in commercial zones.

2. Town of Jackson City Council have stated their desire to maintain visibility at the corner of South Jackson and West Kelly Avenue.
3. The Design Team feels that a consistent pattern of pallet of plantings along the streetscape provides a more thoughtful and cohesive sense of place.



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: Jackson Street Apartments (Red House)
Physical Address: See attached description
Lot, Subdivision: See attached description PIDN: See attached description

PROPERTY OWNER.

Name: Red House, LLC Phone: _____
Mailing Address: P.O. Box 4902, Jackson, WY ZIP: 83001
E-mail: patrick@aicpvt.com

APPLICANT/AGENT.

Name: Hoyt Architects 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

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

Use Permit	Physical Development	Interpretations
_____ Basic Use	_____ Sketch Plan	_____ Formal Interpretation
_____ Conditional Use	_____ Development Plan	_____ Zoning Compliance Verification
_____ Special Use	☒ Design Review	Amendments to the LDRs
Relief from the LDRs	Subdivision/Development Option	_____ LDR Text Amendment
_____ Administrative Adjustment	_____ Subdivision Plat	_____ Map Amendment
_____ Variance	_____ Boundary Adjustment (replat)	Miscellaneous
_____ Beneficial Use Determination	_____ Boundary Adjustment (no plat)	_____ Other: _____
_____ Appeal of an Admin. Decision	_____ Development Option Plan	_____ 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 #: TBD 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?

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

Neal A. Zeren
Signature of Property Owner or Authorized Applicant/Agent

NEAL A. ZEREN
Name Printed

1.18.2022
Date

ARCHITECT
Title



Town of Jackson
150 E Pearl Avenue
PO Box 1687, Jackson, WY 83001
P: (307)733-3932 F: (307)739-0919
www.jacksonwy.gov

PLANNING PERMIT APPLICATION

Planning & Building Department

PROPERTY DESCRIPTION

Parcel: 22-41-16-33-1-20-001
Address: 335 S. Millward Street, Jackson, WY 83001
Location: Lot 1, BLK. 9, Wort-2 (Map T-60A)

Parcel: 22-41-16-33-1-20-004
Location: Lot 2, BLK. 9, Wort-2

Parcel: 22-41-16-33-1-20-005
Location: Lot 3, BLK. 9, Wort-2

Parcel: 22-41-16-33-1-20-006
Location: Lot 4, BLK. 9, 2nd Wort Addition

Parcel: 22-41-16-33-1-20-002
Address: 270 W. Hansen Avenue, Jackson, WY 83001
Location: Lot 5, BLK. 9, Wort-2

Parcel: 22-41-16-33-1-20-003
Address: 320 S. Jackson St., Jackson, WY 83001
Location: Lot 6, BLK. 9, Wort-2



Town of Jackson
150 E Pearl Avenue
PO Box 1687, Jackson, WY 83001
P: (307)733-3932 F: (307)739-0919
www.jacksonwy.gov

Date: 10/28/2021

LETTER OF AUTHORIZATION NAMING APPLICANT AS OWNER'S AGENT

PRINT full name of property owner as listed on the deed when it is an individual OR print full name and title of President or Principal Officer when the owner listed on the deed is a corporation or an entity other than an individual

Being duly sworn, deposes and says that Red House, LLC is the owner in fee of the premises located at:
Name of property owner as listed on deed

Address of Premises: See attached description.

Legal Description: See attached description.

Please attach additional sheet for additional addresses and legal descriptions

And, that the person named as follows: Name of Applicant/agent: Hoyt Architects

Mailing address of Applicant/agent: P.O. Box 7364, Jackson, WY 83002

Email address of Applicant/agent: NealZ@HoytArchitects.Design

Phone Number of Applicant/agent: 307-733-9955 x 1005

Is authorized to act as property owner's agent and be the applicant for the application(s) checked below for a permit to perform the work specified is this(these) application(s) at the premises listed above:

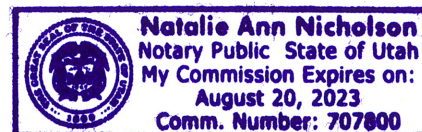
- ☐ Development/Subdivision Plat Permit Application ☒ Building Permit Application
☐ Public Right of Way Permit ☒ Grading and Erosion Control Permit ☐ Business License Application
☒ Demolition Permit ☐ Other (describe) _____

Under penalty of perjury, the undersigned swears that the foregoing is true and, if signing on behalf of a corporation, partnership, limited liability company or other entity, the undersigned swears that this authorization is given with the appropriate approval of such entity, if required.

Natalie Ann Nicholson
Property Owner Signature
MANAGER

Title if signed by officer, partner or member of corporation, LLC (secretary or corporate owner) partnership or other non-individual Owner

STATE OF Utah)
) SS.
COUNTY OF Salt Lake)



The foregoing instrument was acknowledged before me by Matthew Ireland this 28th
day of October 2021. WITNESS my hand and official seal.

Natalie Ann Nicholson
Notary Public

My commission expires: Aug. 20, 2023



Town of Jackson
150 E Pearl Avenue
PO Box 1687, Jackson, WY 83001
P: (307)733-3932 F: (307)739-0919
www.jacksonwy.gov

LETTER OF AUTHORIZATION

PROPERTY DESCRIPTION

Parcel: 22-41-16-33-1-20-001
Address: 335 S. Millward Street, Jackson, WY 83001
Location: Lot 1, BLK. 9, Wort-2 (Map T-60A)

Parcel: 22-41-16-33-1-20-004
Location: Lot 2, BLK. 9, Wort-2

Parcel: 22-41-16-33-1-20-005
Location: Lot 3, BLK. 9, Wort-2

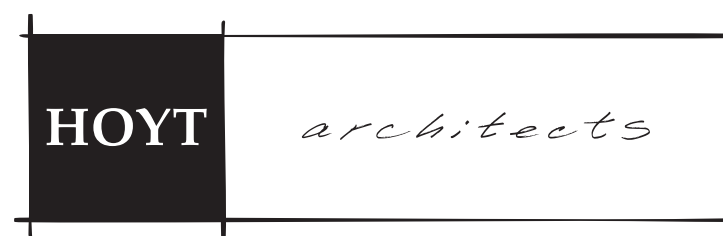
Parcel: 22-41-16-33-1-20-006
Location: Lot 4, BLK. 9, 2nd Wort Addition

Parcel: 22-41-16-33-1-20-002
Address: 270 W. Hansen Avenue, Jackson, WY 83001
Location: Lot 5, BLK. 9, Wort-2

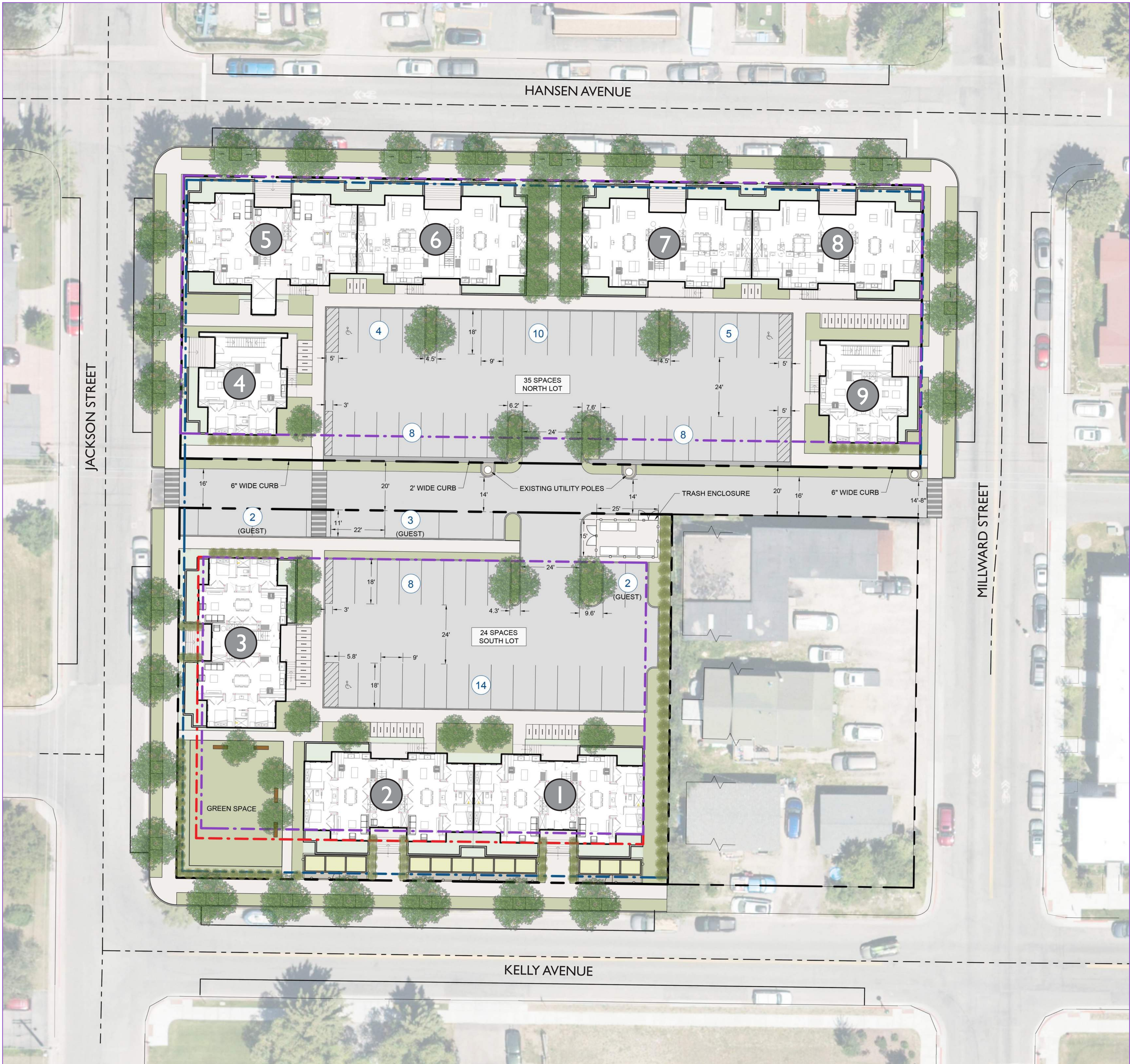
Parcel: 22-41-16-33-1-20-003
Address: 320 S. Jackson St., Jackson, WY 83001
Location: Lot 6, BLK. 9, Wort-2

JACKSON STREET APARTMENTS

jackson, wyoming



February 9th, 2022



JACKSON STREET APARTMENTS

PLANTING LEGEND

- Trees
- Shrubs
- Lawn
- Perennials/Ornamental Grasses
- Garden Beds

LEGEND

- Property Boundary
- Existing LDR Setback
- Proposed Administrative Adjustment
- 13.5' Streetscape Setback

UNIT SUMMARY

ONE BEDROOM : 9 UNITS
TWO BEDROOM : 41 UNITS
THREE BEDROOM : 7 UNITS
TOTAL: 57 UNITS

PARKING SUMMARY

5 PARALLEL ALLEY SPACES
59 OFF-STREET SPACES
64 TOTAL PARKING SPACES

BIKE PARKING SUMMARY

28 ON-STREET SPACES
98 OFF-STREET SPACES
126 TOTAL BIKE PARKING SPACES

SNOW STORAGE SUMMARY

NORTH LOT : 13,200 SF x 2.5% = 330 SF MIN.
SOUTH LOT : 12,000 SF x 2.5% = 300 SF MIN.
(SEE CIVIL FOR LOCATIONS)

DRC SUBMISSION
November 22, 2021
Revised January 17, 2022



0 20
SCALE 1" = 20' - 0"

PLANT SCHEDULE (PLANT SYMBOLS NOT TO SCALE)

TREES	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Fraxinus pennsylvanica 'Patmore' / Patmore Green Ash	B & B	3" Cal.	17
	Populus tremuloides / Quaking Aspen	B&B	3" Cal.	19
	Ulmus americana New Horizon / New Horizon American Elm	B&B	3" Cal.	14
SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Spiraea betulifolia 'Tor' / Tor Birchleaf Spirea	5 gal		78
	Syringa vulgaris / Common Lilac	5 gal		31
GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
	Blue Grass Sod	SOD		11,997 sf
	Perennials / Ornamental Grasses Species TBD	1 gal.	18" o.c.	2,142
	Vegetable garden	N/A		539 sf

LSR SUMMARY

North Lot (CR2 Zoning):
Gross Site Area: 34,488 SF
Proposed LSR: 5,698 SF
Minimum Required LSR: 10% (3,448 SF)
Proposed LSR: 16%

South Lot (NH-1 Zoning):
Gross Site Area: 30,011 SF
Proposed LSR: 8,128 SF
Minimum Required LSR: 21% (6,302 SF)
Proposed LSR: 27%

Minimum Required Landscaping in Front 1/3 of Lot: 70% of Min. Req'd LSR (4,411 SF)
Proposed Landscaping in Front 1/3 of Lot: 70% (4,413 SF)

PLANT UNIT SUMMARY

Plant Unit Requirements:
1 Plant Unit per 12 Parking Spaces (61 Parking Spaces Proposed) = 6 Plant Units
1 Plant Unit per 1,000SF of LSR (113,670SF of Proposed LSR) = 14 Plant Units
TOTAL PLANT UNIT REQUIREMENT = 20 PLANT UNITS

PLANT UNIT COST ESTIMATE

All landscaping will comply with Div. 5.5 of Town of Jackson LDR's. The landscape material shown hereon exceeds the monetary value of twenty (20) Plant Units, using an average cost per plant unit of \$2,600 (monetary value of (20) plant units is \$52,000). A bond for the 20 Plant Units and irrigation will be provided before Permits are issued. The bond amount is based off of the following cost estimate.

Plant Material	SIZE	UNIT COST	QTY	TOTAL
Patmore Ash	3" Cal.	\$495	17	\$ 8,415.00
Quaking Aspen	3" Cal.	\$495	19	\$ 9,405.00
New Horizon Elm	3" Cal.	\$495	14	\$ 6,930.00
Spirea 'Tor Gold'	5 Gal.	\$75	56	\$ 5,850.00
Common Lilac	5 Gal.	\$75	31	\$ 2,325.00

Accepted Substitutions for Plant Units per LDR Section 5.5.3.E.3:

- 1) Garden Beds: 10SF of Garden Beds can count towards (4) #5 Shrubs. The proposed 539 SF of Garden Beds is equal to the equivalent of (212) #5 Shrubs (539/10 X 4 = 212):
Garden Beds (Shrub Equivalent):
5 Gal \$75 212 \$15,900.00
- 2) Benches: Benches may be substituted for (1) canopy tree. The proposed 4 benches is equal to the equivalent of (4) Canopy Trees:
Benches (Canopy Tree Equivalent):
3" Cal. \$495 4 \$ 1,980.00
- 3) Bike Racks: Bike Racks accommodating 6 bikes may be substituted for (1) canopy tree. The proposed (14) bike racks that can accommodate 6 bikes is equal to the equivalent of (14) Canopy Trees:
Bike Racks (Canopy Tree Equivalent):
3" Cal. \$495 14 \$ 6,930.00

TOTAL LANDSCAPE PLANT (and substitutions) COST ESTIMATE	\$57,735.00
COST X 125% FOR BOND AMOUNT	\$72,168.75

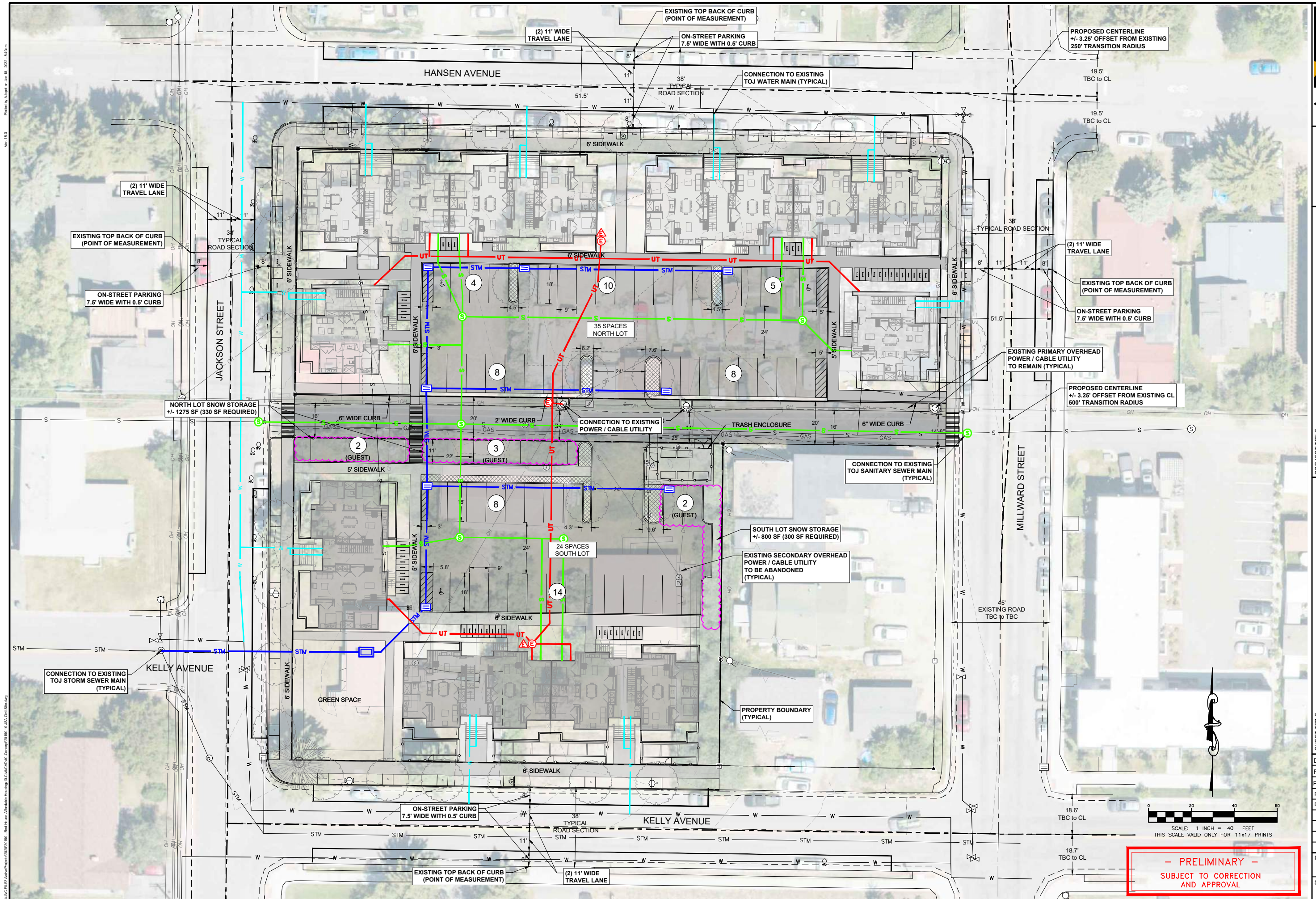
REFERENCE NOTES

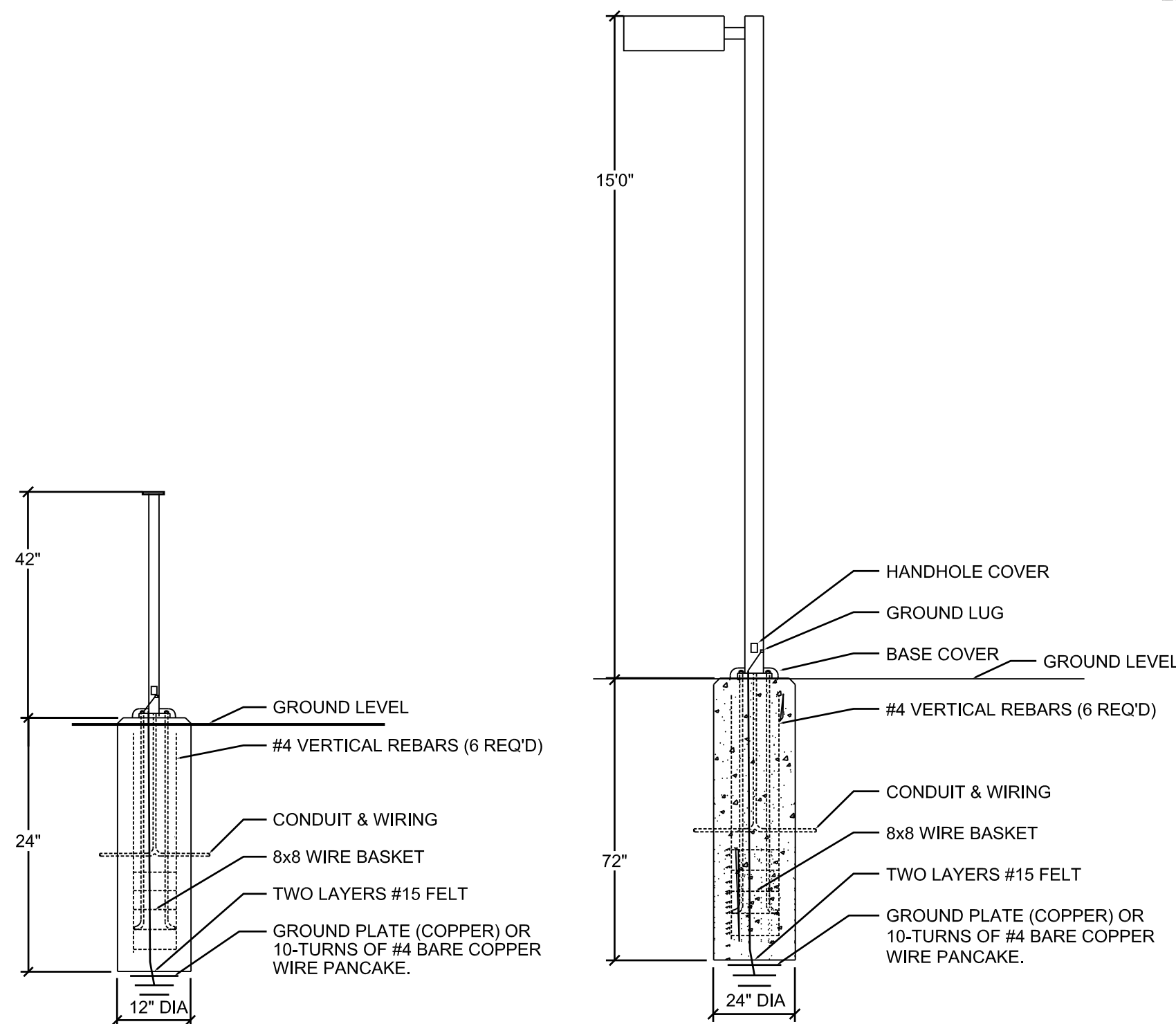
- 1 Pedestrian Frontage - Trees in Lawn
2 Bench
3 Bike parking - on-street
4 Bike parking - off-street

PLANTING & IRRIGATION NOTES

- Refer to Civil Engineer's utility and grading plans. If site conditions vary from what is shown, contact the Landscape Architect and Civil Engineer for direction before proceeding.
- 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.
- 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.
- Obtain approval of finish grading from Landscape Architect prior to installing any plant material. The finish grades of planting areas and lawns shall be 1/2 inches below adjacent edging or paving. Confirm mulch depth and whether lawns are to be seeded or sod.
- 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.
- Contractor to verify suitability of native or imported topsoil. Suitable topsoil shall be free of roots, plants, sod, stones greater than 1/2" in any dimension, clay lumps, and other extraneous materials detrimental to plant growth.
- 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.
- Compost shall be organic, well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8.0; moisture content 35 to 55 percent by weight, with organic matter content 50 to 60 percent of dry weight with 16-16-8 nutrient composition. If compost is not 16-16-8 composition, add commercial fertilizer in necessary quantities to meet 16-16-8 nutrient composition. Source: Glacier Gold Compost or approved equal.
- Contractor to supplement existing native surface topsoil as necessary. Obtain supplemental 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.
- 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 deciseimens/cm; 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.
- 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.
- 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.
- All plants shall be planted at the same level with relation to finish grade as they were grown in the field or nursery.
- 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. Irrigation system shall be design-build by Contractor. Contractor shall provide an irrigation shop-drawing for review by Landscape Architect before proceeding. 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.
- 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.
- No pruning of existing or newly planted trees or shrubs shall be allowed without the direction and approval of the Landscape Architect.
- For ball & burlap trees, remove burlap from top 1/3 of rootball and entire wire basket as tree pits are backfilled.
- 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.
- 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.
- All disturbed areas not receiving other planting treatment shall be seeded with specified or subdivision-specific seed mix.
- 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.
- 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.
- Final sod and seed quantities shall be calculated by Contractor based on sod perimeter marked in field by Landscape Architect, and all remaining areas of disturbance for seed.







FIXTURE TYPE "BB"
BOLLARD BASE DIAGRAM
NO SCALE

FIXTURE TYPE "AA"
POLE BASE DIAGRAM
NO SCALE

LUMENS PER SF CALCS:

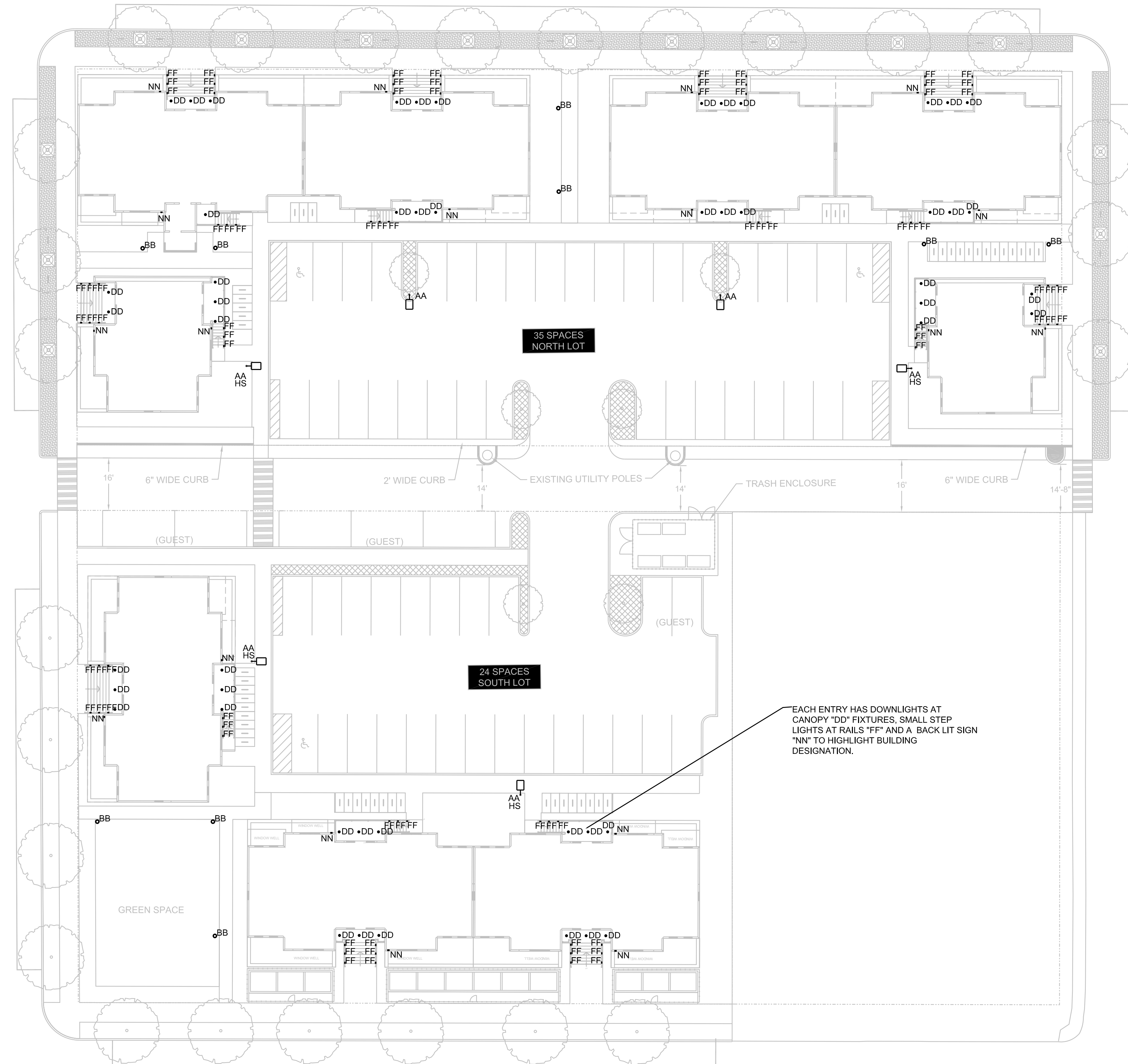
NORTH LOT IS 35,000 SF.
AA 9120 LUMENS 4 FIXTURES
BB 2000 LUMENS 6 FIXTURES
DD 1000 LUMENS 32 FIXTURES
FF 42 LUMENS 54 FIXTURES
NN 10 LUMENS 12 FIXTURES
TOTAL LUMENS = 82,868
LUMENS/LOT SF = 2.36 LUMENS/SF
3 LUMENS/SF ALLOWED

LUMENS PER SF CALCS:

SOUTH LOT IS 27,000 SF.
AA 9120 LUMENS 2 FIXTURES
BB 2000 LUMENS 3 FIXTURES
DD 1000 LUMENS 18 FIXTURES
FF 42 LUMENS 27 FIXTURES
NN 10 LUMENS 6 FIXTURES
TOTAL LUMENS = 43,434
LUMENS/LOT SF = 1.6 LUMENS/SF
3 LUMENS/SF ALLOWED

LIGHTING CONTROL

ALL EXTERIOR LIGHT FIXTURES
CONTROLLED BY PHOTOCELL AND
TIMECLOCK



SITE LIGHTING PLAN

SCALE: 1"=20'



PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

aec
Architectural Engineering Consultants

Mechanical, Electrical & Lighting Design Services
An Office with LEED™ Accredited Professionals
PO Box 8489, 40801 US Hwy 6 & 24, Ste 214, Avon, Colorado, 81620
Telephone: 970-748-8520
www.aec-vail.com

**JACKSON STREET
APARTMENTS**

TOWN OF JACKSON, WYOMING

AEC PROJECT #: 21099

DATE: ISSUE:

12/23/21 SITE LTG PROGRESS

01/18/22 SITE LTG PLANNING SUB

Drawn By:

SOH

Checked By:

AEC

**SITE
LIGHTING
PLAN**

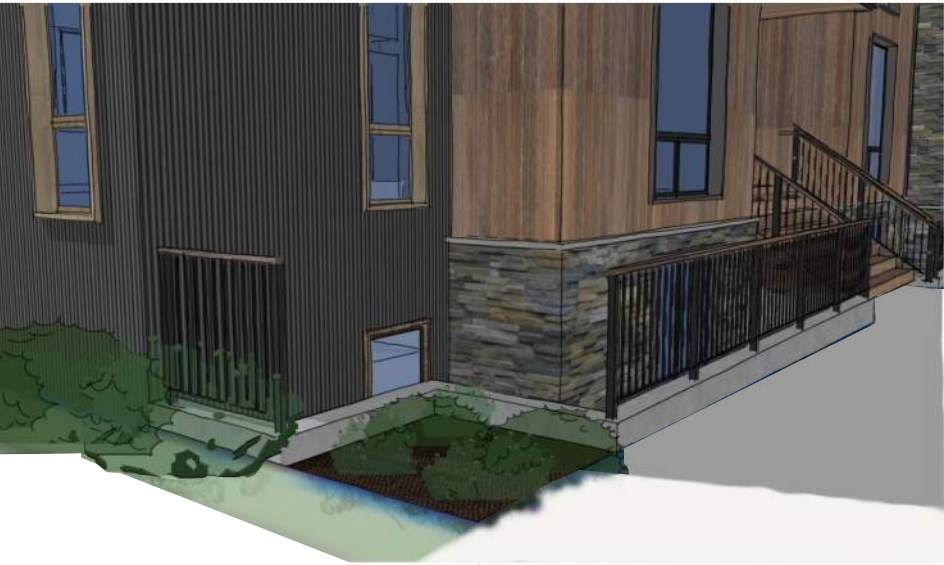
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1 of 1

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TYPICAL GUARDRAIL IMAGES



Project		Catalog #		Type	AA
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 10](#)

Product Certifications



Quick Facts

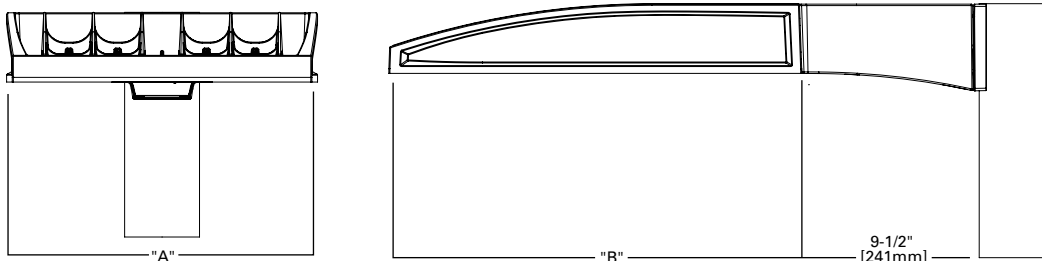
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

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

NOTES:
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

Product Family ^{1,2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁷ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁷	SA1 =1 Square SA2 =2 Squares SA3 =3 Squares SA4 =4 Squares SA5 =5 Squares SA6 =6 Squares SA7 =7 Squares SA8 =8 Squares SA9 =9 Squares	A =600mA B =800mA C =1000mA D =1200mA ^{4,17}	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K AMB =Amber, 590nm ^{15,17}	U =120-277V H =347V-480V ^{7,30} 1=120V 2=208V 3=240V 4=277V 8=480V ⁷ 9=347V ^{7,30} DV =277V-480V DuraVolt Drivers ^{29,30,31}	T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =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 RW =Rectangular Wide Type I AFL =Automotive Frontline	[Blank] =Standard Pole Mount Arm QM =Standard Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =Slipfitter, Adjustable ⁸ MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁸	
DIM =External 0-10V Dimming Leads ²⁰ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient HSS =Installed House Side Shield ¹⁸ GRSBK =Glare Reducing Shield, Black ²³ GRSWH =Glare Reducing Shield, White ²³ LCF =Light Square Trim Painted to Match Housing ²⁴ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²² AHD245 =After Hours Dim, 6 Hours ²² AHD255 =After Hours Dim, 7 Hours ²² AHD355 =After Hours Dim, 8 Hours ²² DALI =DALI Drivers			BPC =Button Type Photocontrol ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²¹ SPB2 =Dimming Motion Sensor, 9'-20' mounting ²⁴ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²⁴ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²⁴ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²⁴ ZW =WaveLinX Module and 4-PIN Receptacle ¹⁹ ZD =WaveLinX Module with DALI driver and 4-PIN Receptacle ¹⁹ ZW-SWPD4XX =WaveLinX Sensor Only, 7-15ft ^{19,12,13} ZW-SWPD5XX =WaveLinX Sensor Only, 15-40ft ^{19,12,13} ZW-WOBXX =WaveLinX Sensor with Bluetooth, 7-15ft ^{19,12,13} ZW-WOFXX =WaveLinX Sensor with Bluetooth, 15-40ft ^{19,12,13} ZD-SWPD4XX =WaveLinX Sensor Only, 7-15ft ^{19,12,13} ZD-SWPD5XX =WaveLinX Sensor Only, 15-40ft ^{19,12,13} ZD-WOBXX =WaveLinX Sensor with Bluetooth, 7-15ft ^{19,12,13} ZD-WOFXX =WaveLinX Sensor with Bluetooth, 15-40ft ^{19,12,13} DIM10-MS/DIM-L20 =Synapse Occupancy Sensor (9'-20' Mounting) ¹⁹ DIM10-MS/DIM-L40 =Synapse Occupancy Sensor (21'-40' Mounting) ¹⁹			OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting to 2-3/8" O.D. Tenon LS/HSS =Field Installed House Side Shield ^{9,18} LS/GRSBK =Glare Reducing Shield, Black ^{9,23} LS/GRSWH =Glare Reducing Shield, White ^{9,23} LS/PFS =Perimeter Shield, Black ¹⁶ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11,19} WOA-XX =WaveLinX Wireless Sensor, 7'-15' Mounting Height ^{12,13,14,19} WOE-XX =WaveLinX Wireless Sensor, 15'-40' Mounting Height ^{12,13,14,19}	
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights 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. Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8. Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238. 9. One required for each Light Square. 10. 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20kV surge option. 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK.) 13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Requires ZW or ZD receptacle. 15. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 16. Set of 4 pcs. One set required per Light Square. 17. Not available with HA option. 18. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected. 19. Cannot be used with other control options. 20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options 21. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. 23. Not for use with T4FT, T4W or SL4 optics. See IES files for details. 24. Sensor configuration mobile application required for configuration. See controls page for details. 25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 26. Not available with HSS, GRSWH or GRSBK. 27. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to www.designlights.org website for more information. 28. Components shipped separately may be separately analyzed under domestic preference requirements. 29. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 30. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 31. 480V not to be used with ungrounded or impedance grounded systems. 32. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.							

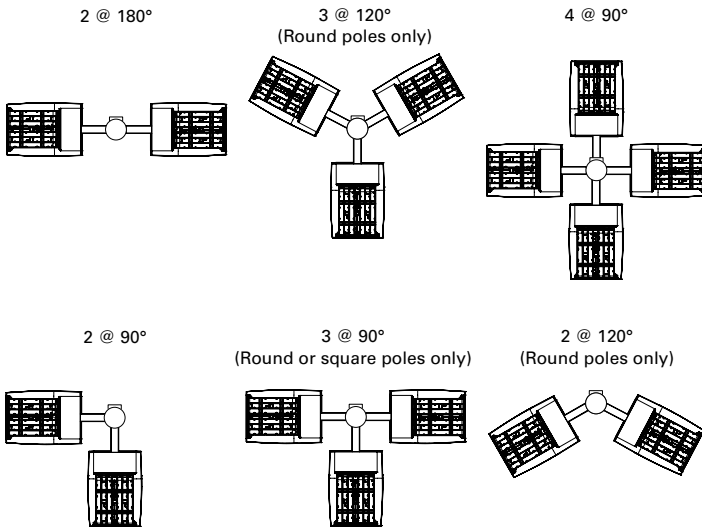
when marked "HS"

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

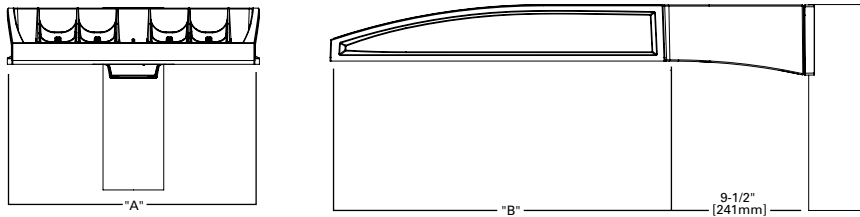
Product Family	Camera Type	Data Backhaul
L =LumenSafe Technology 	D =Standard Dome Camera H =Hi-Res Dome Camera Z =Remote PTZ Camera	C =Cellular, No SIM A =Cellular, AT&T V =Cellular, Verizon S =Cellular, Sprint R =Cellular, Rogers W =Wi-Fi Networking w/ Omni-Directional Antenna E =Ethernet Networking

Mounting Details

Pole Configuration Options

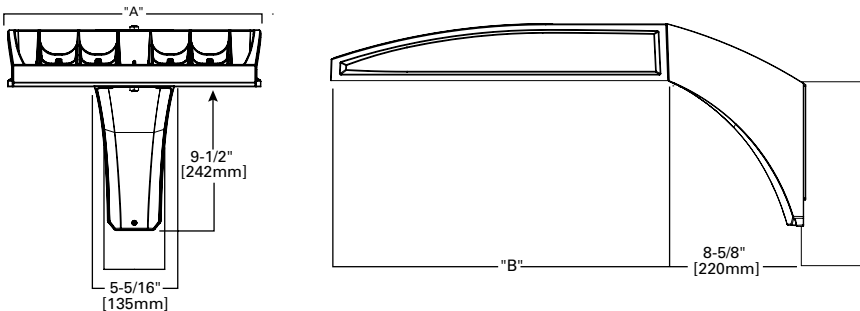


Quick Mount Arm (QM) *



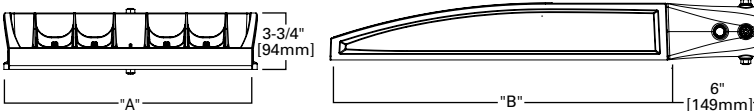
*NOTE: Use Type N drilling pattern

Upswept Arm (UP) *

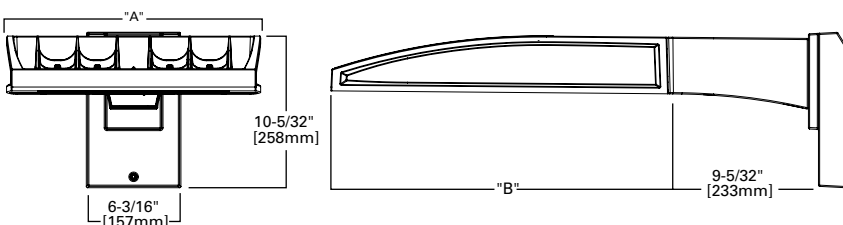


*NOTE: Use Type N, R or M drilling pattern

Mast Arm, Fixed (MA)

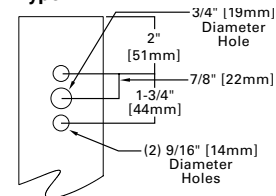


Wall Mount, Fixed (WM)

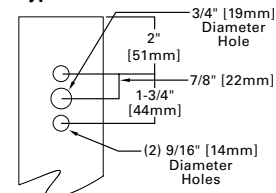


Pole Drilling Patterns

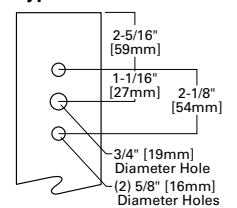
Type "N"



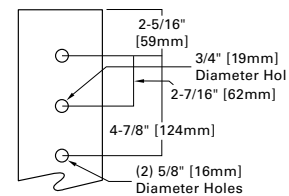
Type "N"



Type "R"

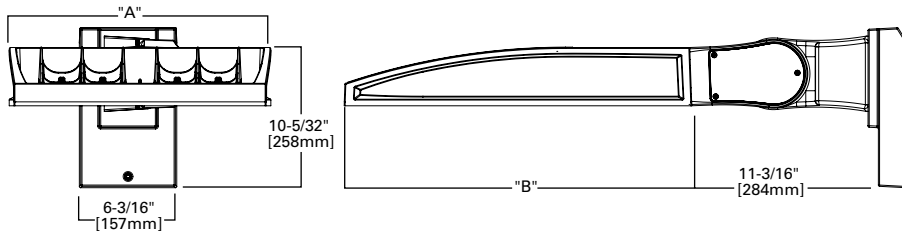


Type "M"

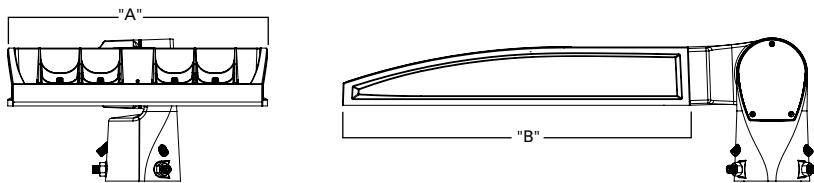


Mounting Details

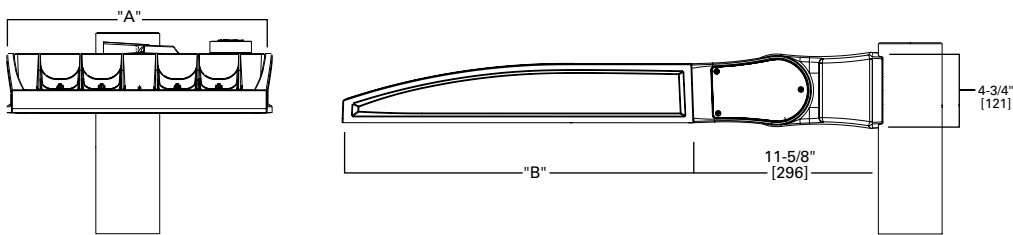
Wall Mount, Adjustable (WA)



Slipfitter, Adjustable (SP)

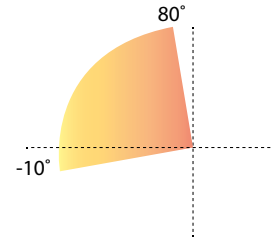


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

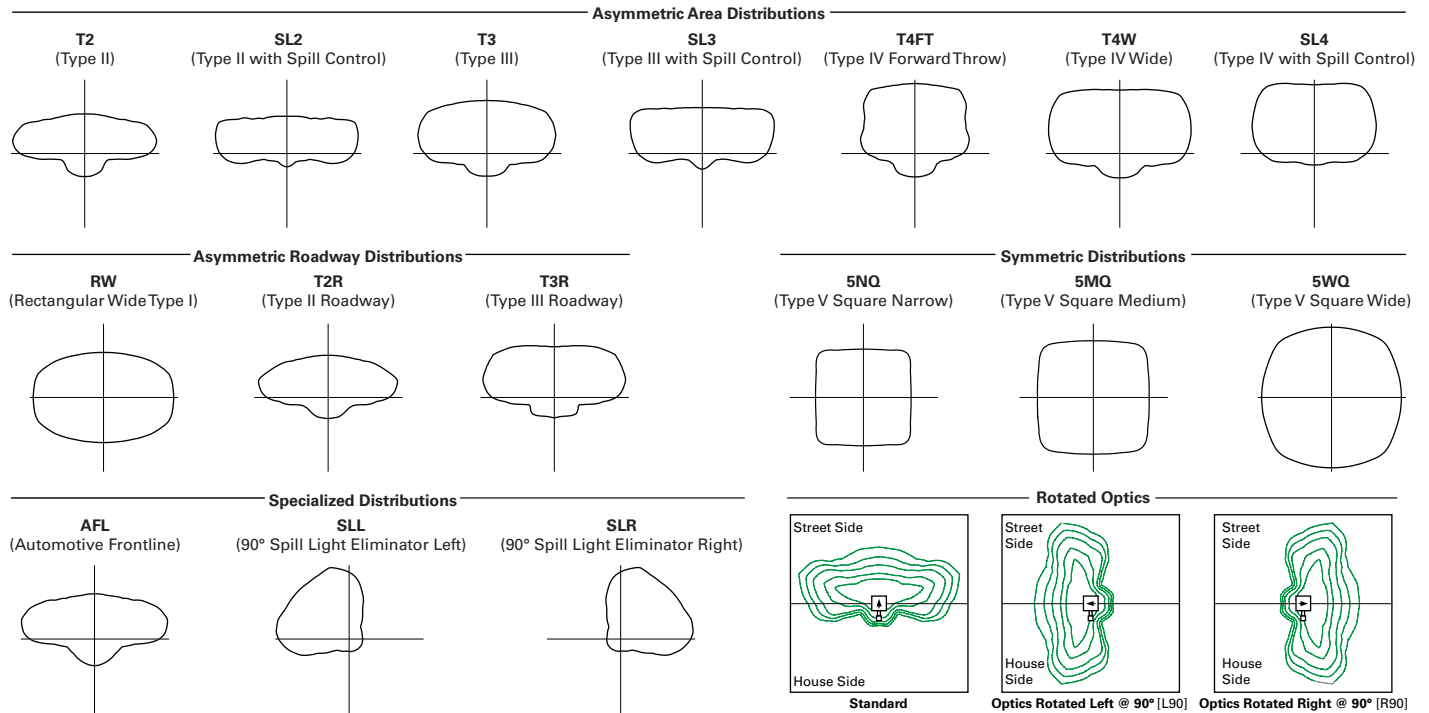
- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



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

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA certified (3000K CCT and warmer only, arms at 0° tilt)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module

- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration

Mounting

- 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°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

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

Warranty

- Five year limited warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	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
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

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

* Supported by IES TM-21 standards

** Theoretical values represent estimations 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.

Performance Table, Drive Current "A" (615mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T2	4000K Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	4000K Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	4000K Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	4000K Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	4000K Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	4000K Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	4000K Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	4000K Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	4000K Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	4000K Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	4000K Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	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	147	153	154	157	156	156	155	159	159
5WQ	4000K Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/ SLR	4000K Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	4000K Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	4000K Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

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

Performance Table, Drive Current "B" (800mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T2	4000K Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	4000K Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	4000K Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	4000K Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	4000K Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	4000K Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	4000K Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	4000K Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	4000K Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	4000K Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	4000K Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	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	137	146	147	144	146	145	145	148	148
SLL/ SLR	4000K Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	4000K Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	4000K Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

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

Performance Table, Drive Current "C" (1050mA)

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	0.532	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										
T2	4000K Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	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	4000K 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	4000K Lumens	7,054	14,020	20,812	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	4000K 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	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	4000K 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	4000K Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	4000K 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	4000K Lumens	7,051	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	4000K 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
5NQ	4000K 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
5MQ	4000K 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
5WQ	4000K 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
SLL/ SLR	4000K 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	4000K 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	4000K 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-G2	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.

Performance Table, Drive Current "D" (1200mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T2	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	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	121	125	126	126	126	125	125	127	128
T2R	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	4000K Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	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	123	127	128	128	128	128	127	130	130
T4FT	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	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	120	124	125	125	125	124	124	126	127
T4W	4000K Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	4000K Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	4000K Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	4000K Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	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	126	130	131	131	131	130	130	133	133
SLL/ SLR	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	4000K Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

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

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, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR 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)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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 SPB/X is configured to control only the specified number of light squares. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

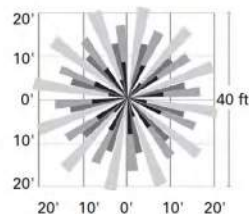
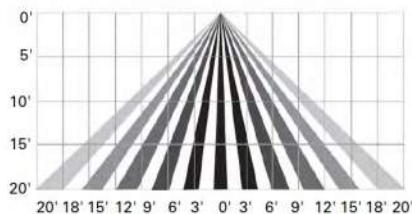
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/X Availability Table	
Fixture Square Count	Available SPB/X 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

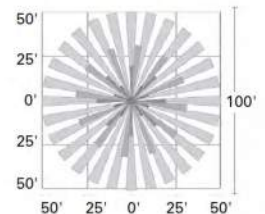
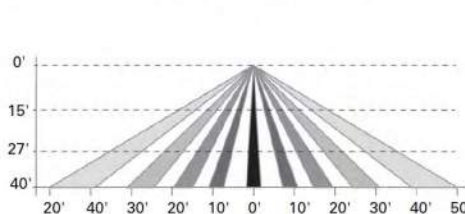
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX and WaveLinX Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinX sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinX sensors, power monitoring, and advanced functionality. WaveLinX (SWPD4 to SWPD5) 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 Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WOF and WOB) 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.

For mounting heights up to 15' (SWPD4 and WOB)



For mounting heights up to 40' (SWPD5 and WOF)



LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and MS/DC motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

Project		Catalog #		Type	BB
Prepared by		Notes		Date	



McGraw-Edison

BRT6 Bollard

Round LED Pedestrian Luminaire

Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Distributions [page 2](#)
- Energy and Performance Data [page 3](#)

Product Certifications

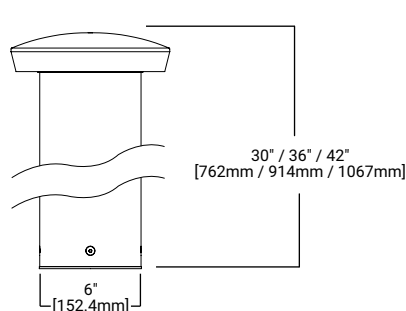


Quick Facts

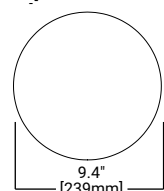
- 4 Optical Distributions
- Available in 30", 36", and 42"
- Lumen packages range from 560 - 4400 (5W - 49W)
- Efficacy up to 122 lumens per watt
- Zero uplight on all configurations

Dimensional Details

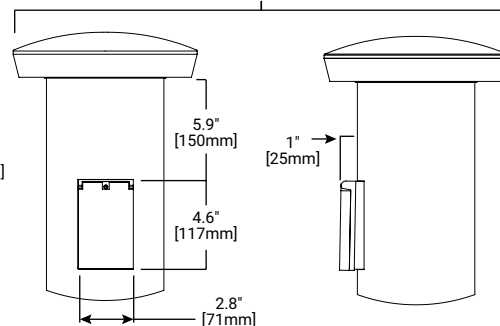
Side View



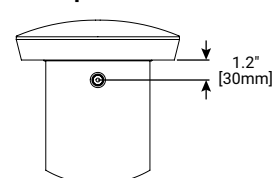
Top View



GFI Option



CBP Option



Height	Weight
30"	7.2lb (3.3kg)
36"	8.7lb (4.0kg)
42"	10.3lb (4.7kg)

* Base model without options or controls

Ordering Information

SAMPLE NUMBER: **BRT6-A3-740-U-T4-36-GM**

Product Family	Configuration ¹	Color Temperature	Voltage	Distribution	Height	Finish
BRT6 =Bollard, 6" Round Base BAA-BRT6 =Bollard, 6" Round base, Buy American Act Compliant ¹³ TAA-BRT6 =Bollard, 6" Round Base, Trade Agreements Act Compliant ¹³	A1 =1000lm Nominal ¹¹ A2 =2000lm Nominal A3 =3000lm Nominal A4 =4000lm Nominal	727 =70CRI, 2700K 730 =70CRI, 3000K 740 =70CRI, 4000K 750 =70CRI, 5000K 830 =80CRI, 3000K AMB =Amber, 590nm ²	U =120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V	T3 =Path Asymmetric T4 =Wide Path Asymmetric T5 =Type V Symmetric T5S =Type V Square Symmetric	30 =30" 36 =36" 42 =42"	AP =Gray BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ¹⁴		
DIM =External 0-10V Dimming Leads ^{4,7} F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) CC =Coastal Construction ³ HA =50°C High Ambient 20K =20kV UL 1449 fused surge protective device CBP =Battery Pack, Cold Weather Rated ^{9,12} DALI =DALI Driver ^{4,11} LAB =Less Anchor Bolts & Template ⁶ GFI =GFCI Outlet ⁸	BPC =Button Type Photocontrol ¹⁰			BRT6ANCHOR =Anchor bolt kit and template ⁶		
NOTES: 1. Nominal output based on symmetric distributions at 4000K CCT. See lumen table and IES files for details. 2. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Available with configuration A1 only. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 4. Not available with other controls options 5. 480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.) 6. Bollard ships with anchor bolts and template included, unless LAB is specified, in which case the BRT6ANCHOR accessory must be ordered separately. 7. Low voltage control leads brought out 18" from fixture 8. GFCI 125-Volt duplex tamper-proof outlet rated for 15A. Available in 120V only. 9. Operates at -20°C to +40°C. Not available with HA option. 6W initial output. 16.2Wh capacity. 10. Not available with "U" voltage, must specify voltage. 11. Available in 120V only. 12. Specify 120V or 277V. 13. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 14. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.						

Product Specifications

Construction

- Extruded aluminum housing with cast base and top
- Patent-pending base plate design offers superior rigidity
- 3G vibration rated
- IK10 impact rating for housing and optic assembly

Optics

- High-efficiency injection-molded AccuLED optics technology
- 4 optical distributions; 2 symmetric and 2 asymmetric
- IDA Certified (3000K CCT and warmer only)

Electrical

- Standard with 0-10V dimming
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- 10kV surge module standard

Finish

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

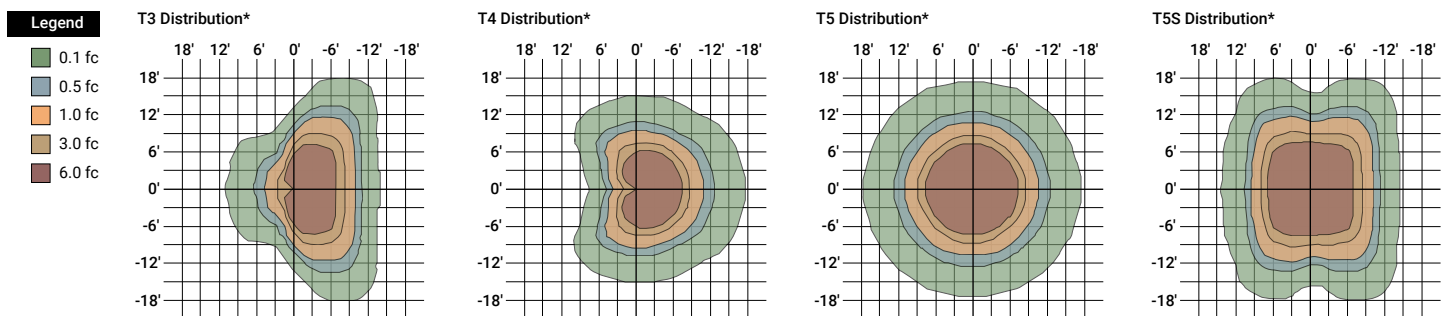
Typical Applications

- Outdoor, Walkway, Perimeter, Landscapes, Hardscapes

Warranty

- Five year warranty

Optical Distributions



*NOTE: A4 lumen package, 4000K CCT, 3.5' MH

Energy and Performance Data

Asymmetric Power and Lumens

Optics			Configuration			
			A1	A2	A3	A4
4000K / 5000K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	537	1075	1627	1961
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	559	1101	1616	2193
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
3000K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	489	979	1482	1786
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	509	1003	1472	1997
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
3000K CCT, 80 CRI	T3	Wattage	5	11	17	22
		Lumens	427	854	1293	1558
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	444	875	1284	1743
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
2700K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	449	899	1361	1640
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	467	921	1351	1834
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
AMB 590nm	T3	Wattage	13	--	--	--
		Lumens	457	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	34	--	--	--
	T4	Wattage	11	--	--	--
		Lumens	352	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	32	--	--	--

Symmetric Power and Lumens

Optics			Configuration			
			A1	A2	A3	A4
4000K / 5000K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	1149	2210	3244	4401
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	1125	2230	3338	4367
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
3000K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	1046	2013	2954	4008
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	1025	2031	3040	3977
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
3000K CCT, 80 CRI	T5	Wattage	9	18	29	42
		Lumens	913	1757	2578	3497
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	894	1772	2653	3470
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
2700K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	960	1848	2712	3680
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	941	1865	2791	3652
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
AMB 590nm	T5	Wattage	21	--	--	--
		Lumens	575	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	28	--	--	--
	T5S	Wattage	25	--	--	--
		Lumens	676	--	--	--
		BUG Rating	B1-U0-G0	--	--	--
		Lumens per Watt	27	--	--	--

Energy and Performance Data

Input Current (mA)

Optics		Voltage	Configuration			
			A1	A2	A3	A4
Asymmetric	T3	120V	47	97	152	190
		208V	--	59	89	110
		240V	--	52	78	97
		277V	--	48	70	85
		347V	--	40	59	72
		480V	--	29	43	53
	T4	120V	44	84	128	183
		208V	--	52	75	105
		240V	--	47	66	92
		277V	--	44	59	81
		347V	--	35	49	68
		480V	--	25	36	50
Symmetric	T5	120V	81	159	257	373
		208V	--	93	146	209
		240V	--	82	128	183
		277V	--	73	113	159
		347V	--	65	96	148
		480V	--	48	70	108
	T5S	120V	90	185	314	454
		208V	--	107	177	251
		240V	--	94	155	219
		277V	--	83	135	190
		347V	--	69	114	172
		480V	--	51	82	125

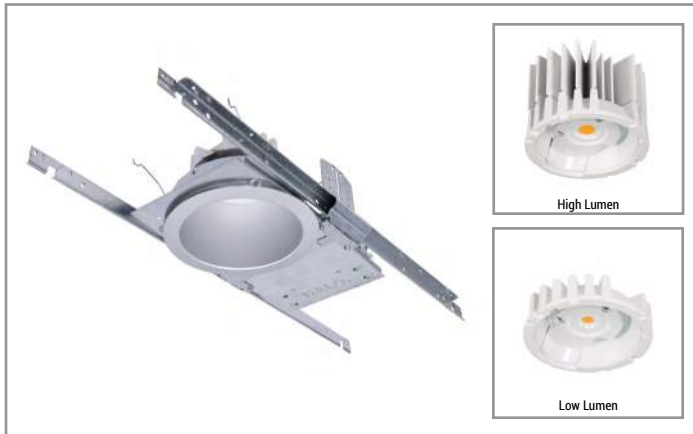
Lumen Maintenance (TM-21)

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
25°C	95.9%	92.9%	91.7%	87.1%	271,000
40°C	95.7%	92.5%	91.3%	86.5%	256,000
50°C	95.3%	91.9%	90.6%	85.7%	242,000

* Supported by IES TM-21 standards
 **Theoretical values represent estimations 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.

 View BRT6 IES files

Project		Catalog #		Type	D
Prepared by		Notes		Date	



HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED new construction/remodel regressed lens downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 9
- Product Warranty

Product Certification

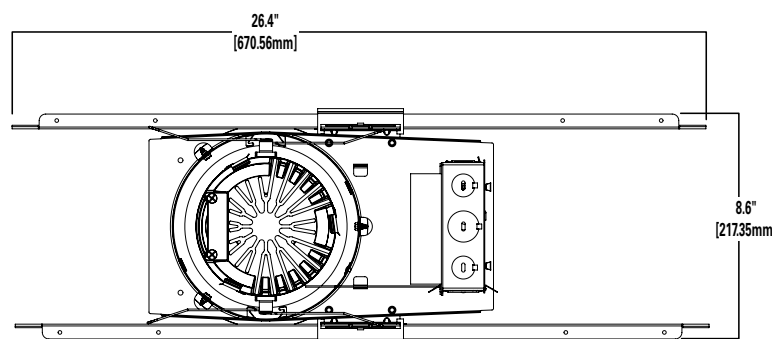


Product Features

Top Product Features

- New construction/remodel series; 1,000 to 4,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K and 4000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Two retrofit kits install from below ceiling for LED upgrades

Dimensional and Mounting Details



additional product diagrams

Order Information

Sample Number: HC620D010REM7 – HM612835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
HC6 = 6" new construction and remodeler housing HC6CP = 6" new construction and remodeler housing, CCEA Chicago Plenum rated	10 = 1000 lumens (nominal) 15 = 1500 lumens (nominal) 20 = 2000 lumens (nominal) 30 = 3000 lumens (nominal) 40 = 4000 lumens (nominal)	D010 = 120-277VAC 50/60Hz 0-10V analog 1% - 100% dimming D010347 = 347VAC 50/60Hz 0-10V analog 1%-100% dimming (Canada only) ¹ DLV = Distributed Low Voltage driver, 1%-100% dimming DLV for use with DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. ⁽¹⁾	REM7 = 7 watt emergency module with remote test / indicator light, use with D010 only ¹ REM14 = 14 watt emergency module with remote test / indicator light, use with D010 only ¹ IEM7 = integral 7 watt emergency module with integral test / indicator light, use with D010 only ¹ IEM14 = integral 14 watt emergency module with integral test / indicator light, use with D010 only ¹ B0D7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only ⁽¹⁾ WTA = Factory installed WaveLinX tile mount sensor Kit ^{(1) (6)} WTK = Factory installed WaveLinX Lite Sensor Kit ^{(1) (6)} REM7V = 7 watt emergency module with remote test / indicator light, use with DLV only ^{1,2} REM14V = 14 watt emergency module with remote test / indicator light, use with DLV only ^{1,2} IEM7V = integral 7 watt emergency module with integral test / indicator light, use with DLV only ^{1,2} IEM14V = integral 14 watt emergency module with integral test / indicator light, use with DLV only ^{1,2}	HB128APK = L channel hanger bar, 26", pair (replacement) RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" long HSA6 = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installation of housing and trim) H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA WTA = Field installed WaveLinX tile mount sensor Kit ^{1,5} WTK = Field installed WaveLinX Lite Sensor Kit ^{(1) (6)}
Notes	Notes	Notes (1) Not available with CP version	Notes (1) Not available with CP version (2) ULus for U.S. only (5) WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinX system specifications) (6) WTK = WaveLinX Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX Lite system specifications)	Notes (1) Not available with CP version (5) WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinX system specifications) (6) WTK = WaveLinX Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX Lite system specifications)

LED Module	Lumens	CRI/CCT
LED Module	Lumens	CRI/CCT
HM6 = 6" LED module	12 = 1000, 1500 and 2000 lumens (nominal), use with HC610*, HC615*, HC620* housings 34 = 3000 and 4000 lumens (nominal), use with HC630*, HC640* housings	827 = 80 CRI (minimum), 2700K CCT 830 = 80 CRI (minimum), 3000K CCT 835 = 80 CRI (minimum), 3500K CCT 840 = 80 CRI (minimum), 4000K CCT 927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT
Notes	Notes	Notes

Reflector	Distribution	Finish	Flange	Accessories
Reflector	Distribution ³	Finish	Flange	Accessories
61 = 6" conical reflector	ND = narrow 55° beam angle 0.97 SC MD = medium 60° beam angle 1.10 SC WD = wide 65° beam angle 1.28 SC RWW = rotatable wall wash with linear spread lens	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	61RWWPK = rotatable wall wash insert for 6" reflector –replacement part kit
Notes	Notes (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Baffle	Distribution	Finish	Flange	Accessories
Baffle	Distribution ³	Finish	Flange	Accessories
61 = 6" baffle reflector	WD = wide 65° beam angle 1.28 SC (nominal) RWW = rotatable wall wash with linear spread lens	BB = Black baffle WB = White baffle	Blank = White flange standard with BB, & WB BF = Black flange option available with BB	61RWWPK = rotatable wall wash insert for 6" reflector –replacement part kit
Notes	Notes (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Order Information

IEM Reflector	Distribution	Finish	Flange	Integral Emergency
IEM Reflector	Distribution ³	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	ND = narrow 55° beam angle 0.97 SC MD = medium 60° beam angle 1.10 SC WD = wide 65° beam angle 1.28 SC	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	IEM = Reflector for integral emergency only
Notes	Notes (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

IEM Baffle	Distribution	Finish	Flange	Integral Emergency
IEM Baffle	Distribution ³	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	WD = wide 65° beam angle 1.28 SC (nominal)	BB = Black baffle WB = White baffle	Blank = White flange standard with BB, & WB BF = Black flange option with BB	IEM = Reflector for integral emergency only
Notes	Notes (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Reflector	Distribution	Finish	Flange
Reflector	Distribution ³	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector ⁴	MD = medium 60° beam angle 1.10 SC (nominal)	W = White	Blank = White flange standard with W reflector
Notes (4) 61PS reflector is for Non-IC environment only, and up to 3000 lumens only.	Notes (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes

Product Specifications

Housing Frame

- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket

- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars

- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module

- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K and 4000K correlated color temperature (CCT)
- Lumen options include 1,000, 1,500, 2,000, 3,000 and 4,000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector

- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (Non-IC, 3,000 lumens max.)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention

- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver

- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- 347VAC 50/60Hz input option (Canada only)
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch

Connected Lighting System Options

Two WaveLinX connected systems to choose. Summary information provided below, refer to WaveLinX system specifications and application guides for details.

WaveLinX Wireless System Tilemount Sensor Kit

- WaveLinX Wireless WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinX Lite System Tilemount Sensor Kit

- WaveLinX Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinX Tilemount Kits Application

- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box

- Galvanized steel junction box
- 20 in³ internal volume excluding voltage barrier
- 25 in³ internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90°C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance

- cULus damp and wet location listed in protected ceilings
 - IP20 - Above finished ceiling; IP65 - Below finished ceiling
 - Non-Insulated ceiling (Non-IC) rated for 3,000 and 4,000 lumen models (insulation must be kept 3" from top and sides)
 - Insulated ceiling (IC) rated for 1,000, 1,500 and 2,000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
 - Airtight per ASTM-E283-04
 - Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
 - EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
 - Contains no mercury or lead and RoHS compliant
 - Photometric testing completed in accordance of IES LM-79-08
 - Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
 - 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
 - May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
 - ENERGY STAR® certified, reference certified light fixtures database
- *Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

Warranty

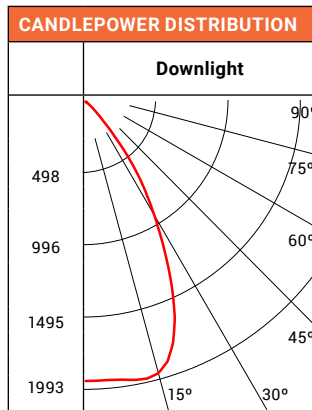
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

[View IES files](#)

NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P285970
Housing	HC620D010
Module	HM612835
Reflector	61NDC
Lumens	1920 Lm
Efficacy	96 Lm/W
SC	0.97
UGR	11.7



CONE OF LIGHT			
MH	FC	L	W
5.5'	64.9	5.2	5.2
7'	40	6.8	6.8
8'	30.7	7.6	7.6
9'	24.2	8.6	8.6
10'	19.6	9.6	9.6
12'	13.6	11.6	11.6

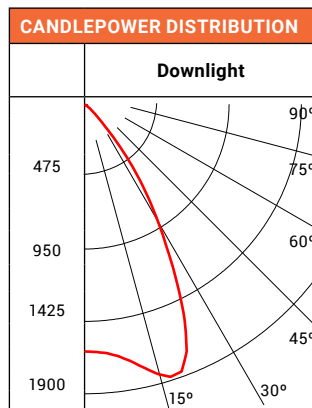
CANDELA TABLE	
Degrees Vertical	Candela
0	1962
5	1962
15	1975
25	1434
35	671
45	112
55	13
65	3
75	3
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1385	72.1
0-40	1796	93.5
0-60	1915	99.7
0-90	1920	100
90-180	0	0
0-180	1920	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	8706
55	1223
65	337
75	551
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIUM (60° BEAM*)	
Test Number	P286170
Housing	HC620D010
Module	HM612835
Reflector	61MDC
Lumens	1959 Lm
Efficacy	97.9 Lm/W
SC	1.10
UGR	11.8



CONE OF LIGHT			
MH	FC	L	W
5.5'	55.2	5.8	5.8
7'	34.1	7.6	7.6
8'	26.1	8.6	8.6
9'	20.6	9.6	9.6
10'	16.7	10.8	10.8
12'	11.6	13	13

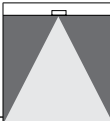
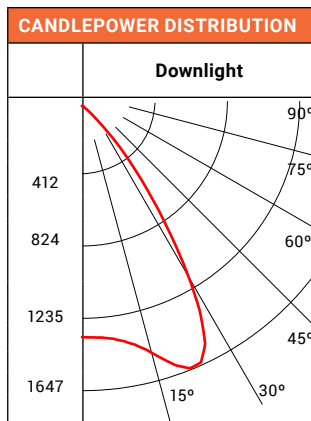
CANDELA TABLE	
Degrees Vertical	Candela
0	1642
5	1660
15	1854
25	1576
35	699
45	120
55	15
65	5
75	3
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1387	70.8
0-40	1821	93
0-60	1951	99.6
0-90	1959	100
90-180	0	0
0-180	1959	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	9236
55	1462
65	662
75	551
85	0

WARM WHITE DISTRIBUTION - SPECULAR CLEAR FINISH - 1500 LUMEN MODEL, 3000 LUMEN MODEL, 4000 LUMEN MODEL, 3500 LUMEN MODEL

WIDE (65° BEAM*)	
Test Number	P286370
Housing	HC620D010
Module	HM612835
Reflector	61WDC
Lumens	2045 Lm
Efficacy	102.3 Lm/W
SC	1.28
UGR	11.6

CONE OF LIGHT			
MH	FC	L	W
5.5'	44.3	7	7
7'	27.4	8.8	8.8
8'	21	10.2	10.2
9'	16.6	11.4	11.4
10'	13.4	12.6	12.6
12'	9.3	15.2	15.2

CANDELA TABLE	
Degrees Vertical	Candela
0	1341
5	1349
15	1466
25	1642
35	877
45	201
55	28
65	5
75	2
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1282	62.7
0-40	1835	89.7
0-60	2037	99.6
0-90	2045	100
90-180	0	0
0-180	2045	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	15614
55	2676
65	662
75	530
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
 SC = Spacing Criteria
 UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 LUMEN	4000 LUMEN
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

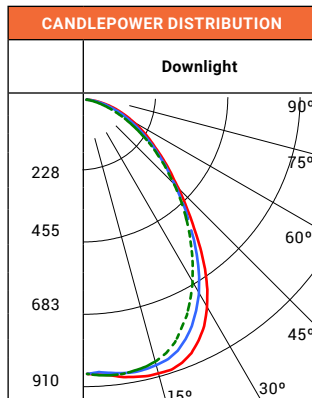
CCT Multipliers - 90CRI

2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

Multipliers for relative lumen values with other series color temperatures.

WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P286650
Housing	HC620D010
Module	HM612835
Reflector	61RWWC
Lumens	1798 Lm
Efficacy	89.9 Lm/W
SC	1.23



CANDELA TABLE	
Degrees Vertical	Candela
0	882
5	890
15	910
25	854
35	665
45	431
55	270
65	161
75	74
85	10
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	696	38.7
0-40	1079	60
0-60	1629	90.6
0-90	1798	100
90-180	0	0
0-180	1798	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	33399
55	25825
65	20832
75	15653
85	6416

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES							
2.5' from wall (distance from fixture along wall)							
	1	2	3	4	5	6	7
1	16.8	12	5.4	2	0.7	0.2	0.1
2	24.7	19.2	10.5	4.9	2.2	1	0.5
3	22.8	18.6	11.4	6.2	3.2	1.7	0.9
4	17.5	15	10.3	6.2	3.6	2	1.2
5	11.9	10.7	8.2	5.5	3.4	2.1	1.3
6	8	7.4	6.1	4.5	3.1	2	1.3
7	5.5	5.2	4.5	3.6	2.6	1.9	1.3
8	3.9	3.7	3.3	2.8	2.2	1.6	1.2
9	2.8	2.7	2.5	2.2	1.8	1.4	1.1
10	2.1	2	1.9	1.7	1.5	1.2	0.9

MULTIPLE UNIT FOOTCANDLES						
2.5' from wall (Distance from fixture along 3')				2.5' from wall (Distance from fixture along 4')		
1	2	3	4	1	2	3
1	18.8	16.6	18.8	17.5	10.7	17.5
2	29.5	29.2	29.5	26.8	20.9	26.8
3	29	29.8	29	26	22.9	26
4	23.7	25.3	23.7	21	20.5	21
5	17.4	19.2	17.4	15.4	16.3	15.4
6	12.5	13.7	12.5	11.1	12.2	11.1
7	9.1	9.8	9.1	8.1	9	8.1
8	6.7	7.1	6.7	6.1	6.7	6.1
9	5	5.3	5	4.6	5	4.6
10	3.8	4	3.8	3.5	3.8	3.5

Photometric Multipliers (Nominal Lumen Values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 Lumen	4000 Lumen
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers - 90CRI

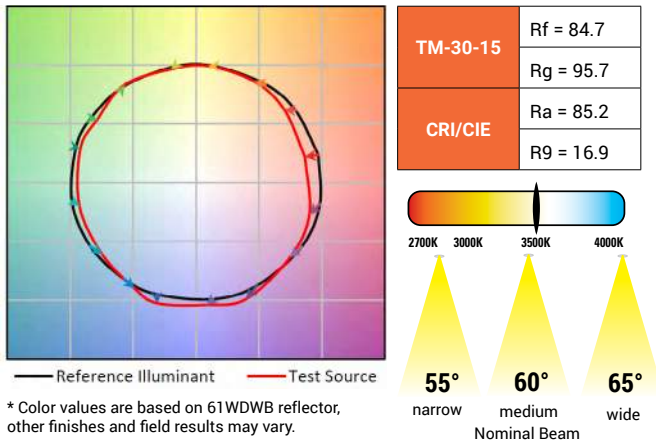
2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

Multipliers for relative lumen values with other series color temperatures.

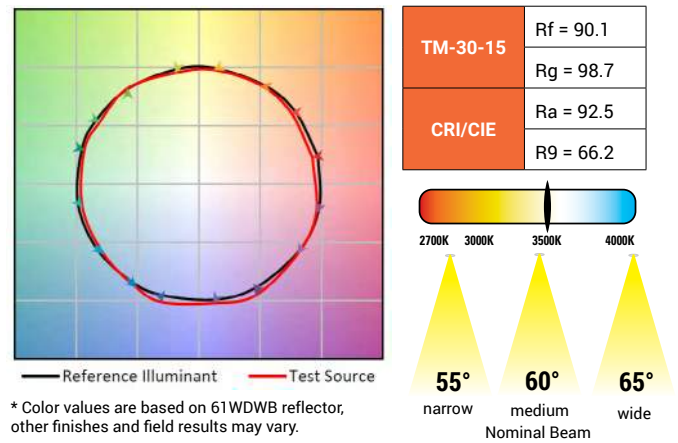
Energy & Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*



90 CRI Color Metric Summary - 3500K*



Series	1000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.085	0.042
Input Power (W)	10.1	10.9
In-rush Current (A)	0.644	1.95
In-rush Duration (ms)	0.125	0.24
THDi (%)	8.6	15.6
PF: ≥ 0.90		
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	1500 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.119	0.055
Input Power (W)	14.2	14.9
In-rush Current (A)	0.212	0.85
In-rush Duration (ms)	0.28	0.32
THDi (%)	7.8	16.3
PF: ≥ 0.90		
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.176	0.082
Input Power (W)	21.1	21.4
In-rush Current (A)	0.588	0.624
In-rush Duration (ms)	0.3	0.38
THDi (%)	8.8	11.2
PF: ≥ 0.90		
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	3000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.228	0.102
Input Power (W)	27.2	27
In-rush Current (A)	0.898	1.7
In-rush Duration (ms)	0.36	0.38
THDi (%)	9.7	9.3
PF: ≥ 0.90		
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	4000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.345	0.15
Input Power (W)	41.3	40.7
In-rush Current (A)	1.05	2.23
In-rush Duration (ms)	0.32	0.34
THDi (%)	10.06	14.01
PF: ≥ 0.90		
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Notes:

* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

Connected Systems

WaveLinx Lite - WTK Tilemount Sensor



- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details



Device Security



Manual Dimmer



Occupancy Sensor



Daylighting Control



Manually Switched ON/OFF



Tuning Control

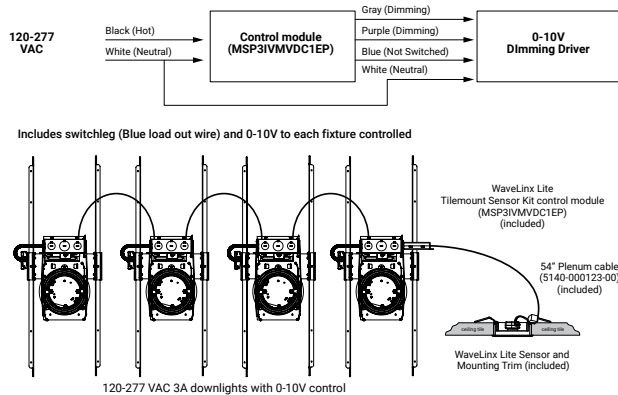


Lumen Maintenance Control

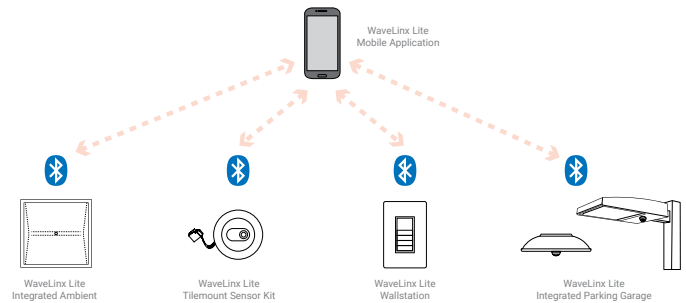


Scenes

WaveLinx Lite WTK Tilemount Wiring Diagram



WaveLinx Lite Bluetooth Enabled System

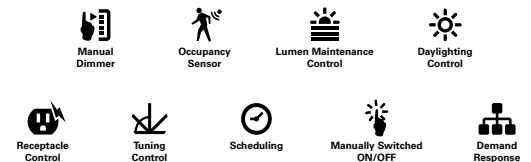


WaveLinx Wireless – WTA Tilemount Sensor

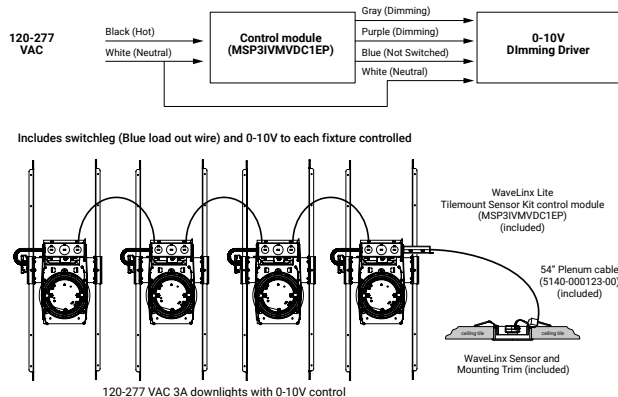


- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

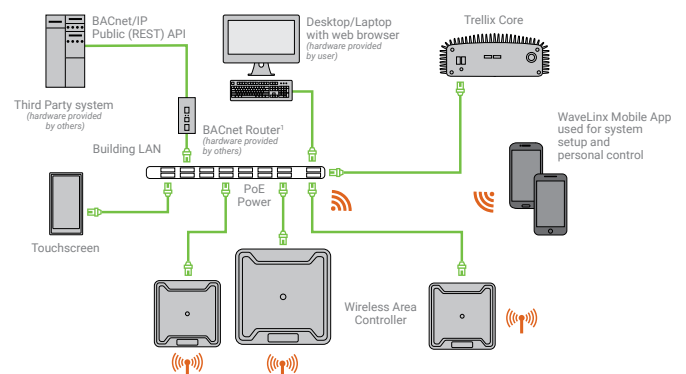
WaveLinx mobile app settings



WaveLinx Lite WTA Tilemount Wiring Diagram

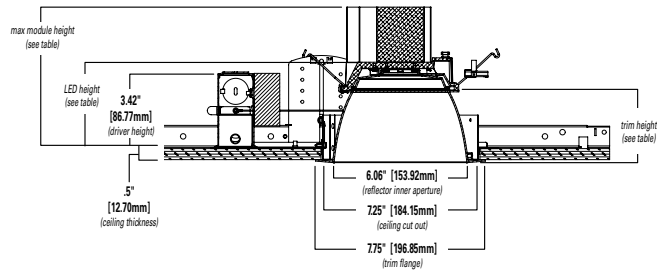


WaveLinx Wireless Trellix Building Management Integration

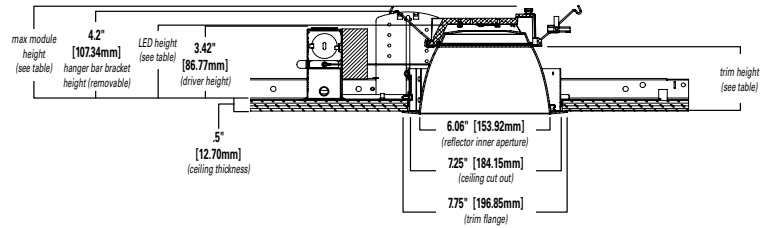


Dimensional and Mounting Details

NEW CONSTRUCTIONS - HIGH LUMEN 3000 AND 4000 LUMEN



NEW CONSTRUCTIONS - LOW LUMEN 1000, 1500, AND 2000 LUMEN



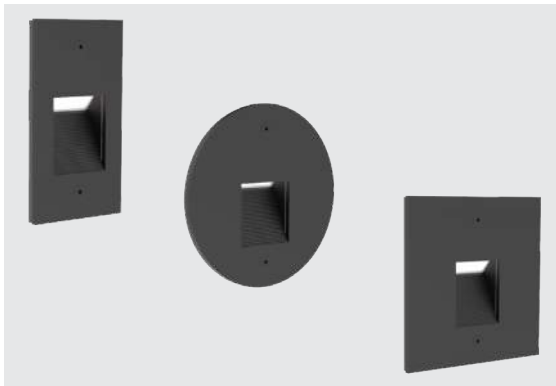
High Lumen (3000 & 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Low Lumen (1000, 1500 & 2000 Lumens)*

Max. Module Height	Trim Height	LED Height
4.5"	3.4"	3.8"
4.6"	3.5"	3.9"
4.4"	3.3"	3.7"
4.4"	3.3"	3.7"

*Max. height w/hanger bar bracket 4.2"



HSL11

Static White and Static Color Step Light 11

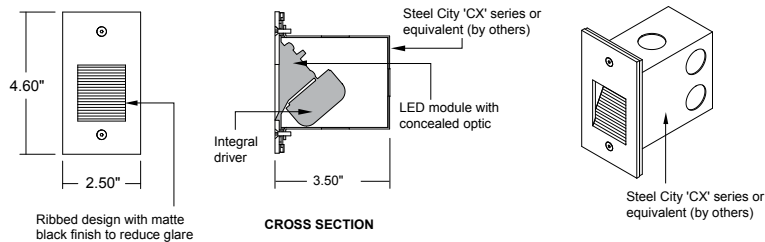
HIGHLIGHTS

- Integral Driver
- Short, Medium, and Long throw distributions
- Standard 0-10V dimming option
- Die-cast housing with solid aluminum, brass, or stainless steel faceplate
- Wet location listed
- Junction box provided by others

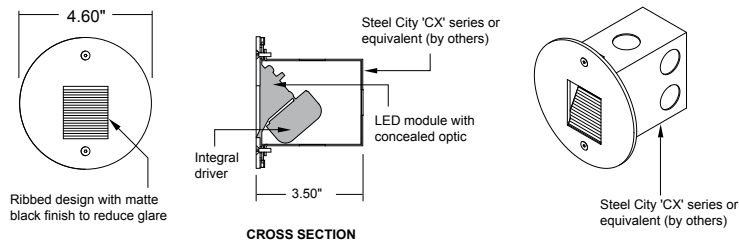
5
YEAR
warranty


DIMENSIONS

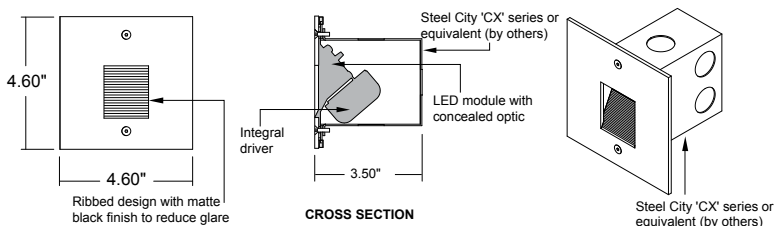
RECTANGLE



ROUND



SQUARE



LUMEN PACKAGES

Distribution	Delivered Lumens	Input Watts	Lumens/Watt
Short	36	3	12
Medium	42	3	14
Long	54	3	18

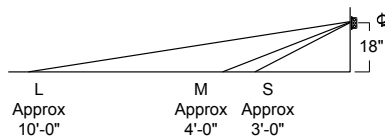
Performance data based upon 30K LED

ORDERING INFORMATION

EXAMPLE: HSL11 SQ LED 27K MVOLT L MIN5 BRB

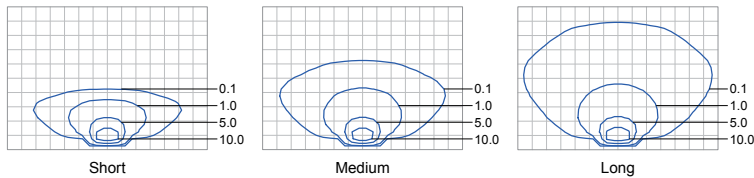
Model	Shape	Source	Color Temperature	Voltage	Distribution
HSL11 Step Light 11	RECT Rectangle RD Round SQ Square	LED	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	MVOLT Multi-Volt 120V thru 277V	L Long Throw M Medium Throw S Short Throw
			AMBPC Amber BLU Blue GRN Green RED Red CYN Cyan RDO Red-Orange		
Dimming					
MIN5 Dimming Driver	Finish				
	BRB Brushed Brass BBP Brushed Brass Paint BRSS Brushed Stainless Steel LBPS Light Bronze Paint Smooth PBR Polished Brass PSS Polished Stainless Steel SGB Semi Gloss Black SGW Semi Gloss White CF Custom Finish RALTBD Ral Paint Finishes				
	Note: RALTBD for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.				

PERFORMANCE DATA



Typical Distribution Based on 30K

Grid in 1' increments



Lumen Multiplier Table for CCT

CCT	Multiplier
27K	0.888
30K	1.000
35K	1.031
40K	1.047
50K	1.056

Expected Life: Static White LED: L70 @ 60,000 hours
Static Color LED: L70 @ 60,000 hours

WIRING & DIMMING

POWER SUPPLY / DIMMING

Dimming drivers require a 0-10V fluorescent-type dimming control.

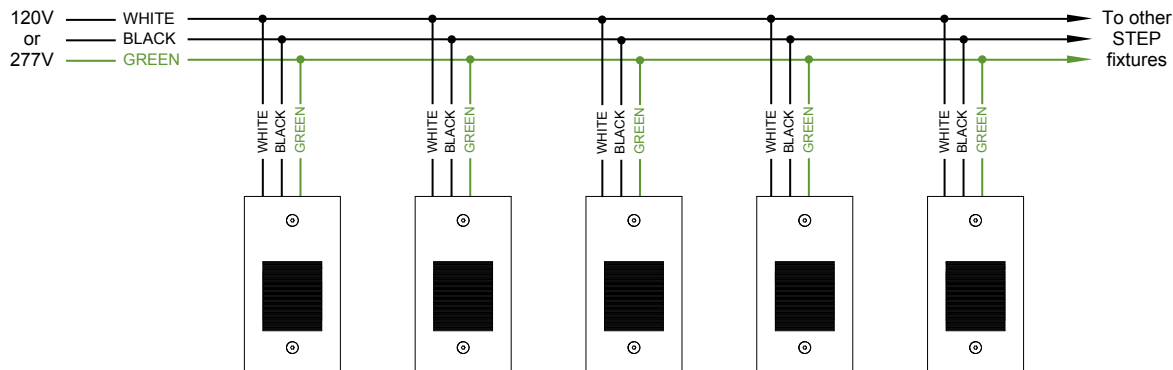
Read all instructions before installation. Do not make live connections!

NON-DIMMING INSTALLATIONS (For non-dimming, cap off the grey and purple wires separately)

Connect STEP WHITE wire to power NEUTRAL.

Connect STEP BLACK wire to power HOT.

Connect STEP GREEN wire to power GROUND.



DIMMING INSTALLATIONS

The integral dimming driver is designed to the 0-10V IEC dimming specification 60929 and is compatible with common 0-10V dimmers and dimming systems.

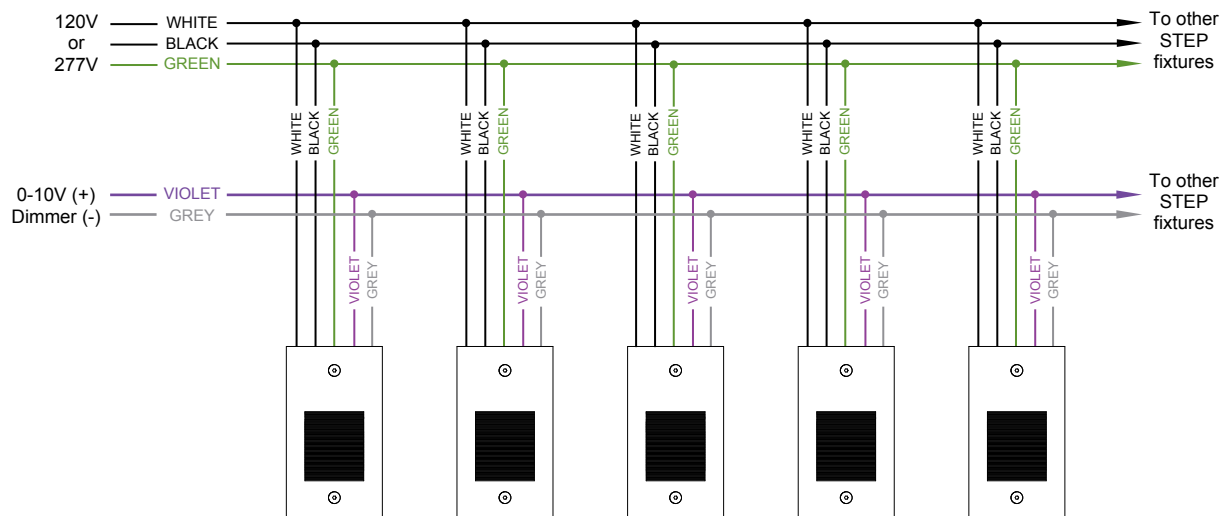
Do NOT connect line voltage to dimming input wires.

Connect STEP WHITE wire to power NEUTRAL.

Connect STEP BLACK wire to power HOT.

Connect STEP VIOLET wire to POSITIVE INPUT of Dimming Control.

Connect STEP GREY wire to NEGATIVE INPUT of Dimming Control.



SPECIFICATIONS & FEATURES

Construction

Die-cast housing with solid aluminum, brass, or stainless steel faceplate.
Two visible fasteners.

Source

Light source is a single powerful LED available in five static white color temperatures & six colored LED choices. All within 3MacAdam ellipse

Optics

Concealed optic is available in three light distribution patterns. Short for narrow corridors, Medium for wide corridors, and Long for large area illumination.

Electrical

Integral electronic driver for 120 through 277v/50-60Hz input. Standard 0-10V dimming to 5%. THD: <20%. PFC: > 0.90. Complies to FCC CFR Title 47 Part 15, Class B at 120v and Class A at 277v EMI noise rating.

Mounting

Fixture designed to mount to a Steel City CX single gang deep junction box (by others) or equivalent.

Lens

Extruded clear acrylic optic lens concealed in reflector housing.

Circuiting

Single circuit

Environment

Wet location.

Listing

ETL / cETL

Finish

Recessed surfaces have a ribbed design with matte black finish to reduce glare. Faceplates are available in four metal finishes with protective clear coat or one of four polyester powder coat painted finishes.

Warranty

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

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.

FIXTURE TYPE NN

1 WATT

10 LUMENS



Modern Neutra House Numbers Led Backlit

Luxello Neutra Modern 8" inch House Numbers feature a backlit LED illuminated casing provides clear and visible address signage at night. Suitable for fine residences and commercial number signage installations.

The 8 inch tall LED Neutra Numbers are CNC from a solid block of aluminum finished brushed and hardened with an anodized surface treatment for prolonged exterior protection against harsh weather.

Each number weighs close to 1 pound they features an acrylic illuminated casing that screws together like a swiss mechanical watch. The CREE LED panels are interchangeable and can be replaced at any time. The numbers have an input voltage of 10 – 16 Volt AC or DC. Optional Neutra wall spacers help to maintain a 1/2 inch distance of the wall. Instals without any visible hardware

Luxello can customize the Neutra House Numbers upon request. Optional Number finishes include White, Blue, Amber, Green or Red LED illumination with a Brushed, Bronze, Brass or Brushed Black casing. Please contact us for further information. Designed by Luxello, 2013

Description

Neutra LED House Numbers

Size H: 8", W: 2" – 6"

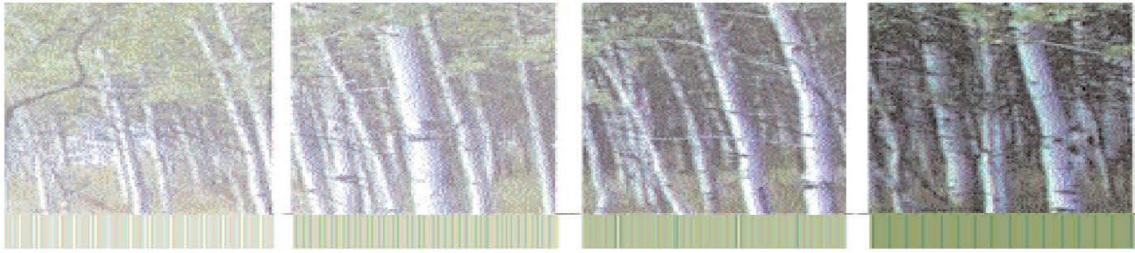
Thickness: .88"

Model: LUX-NR-8N

Screw Down Casing

Light: 10 – 20 CREE LED

10 – 16 Volt AC / DC



Town of Jackson Design Guidelines Checklist

Meeting Date: February 9, 2022

Item Number: P21-299

Applicant: Berning Project Management, Jason Berning

Address: 155 E. Gill Avenue

Recommendations: Final Approval

Previous DRC Review: This project was last reviewed at the January 12, 2022, DRC meeting. The DRC approved the final design with the following conditions:

1. The glass on the north elevation shall be bird-safe glass.
2. The applicant shall provide additional information related to the design of the spray garden and present this information to the DRC.
3. The applicant shall further study the rusted metal portions of the southern elevation and bring design changes back to the DRC.

Background: In November of 2019, voters of Teton County and the Town of Jackson approved a SPET ballot item to expand the Teton County Recreation Center. The expansion improvements include wellness and fitness, indoor walking and jogging, indoor climbing, drop-in daycare, an additional gymnasium, an outdoor aquatic splash pad, and associated space to support these services. In addition, the project was approved to complete the Cache tube stormwater connection, develop the extension of King Street from Gill Avenue north to Mercill Avenue, and provide infrastructure for stormwater treatment for the Town of Jackson.

Project Summary: The proposed improvements consist of a 40,000 sf addition and 3,700 sf renovation of existing space resulting in a total square footage of approximately 67,000 sf including existing space. The new addition will be 2 stories. Concerning site improvements, the project includes the extension of King Street inclusive of a paved pathway, modified/expanded parking facilities and associated circulation, landscaping, and site amenities. The primary materials include Gilded Rust metal panels, fiber cement wall cladding, and glass. Since this project is located in the Public/Semi-Public (P/SP) zoning district, physical development is exempt from several standards such as FAR, setbacks, building height, landscaping, etc. The applicant has also submitted a Development Plan application which is required in the P/SP zoning district for a project of this size.

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.

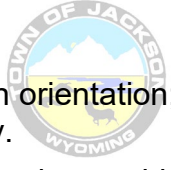
5) Screening

- ☐ 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 g 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.

**Design Review Committee (DRC)
for
Jackson Recreation
Center Improvements

Teton County, Wyoming

155 East Gill Avenue**

Applicant:

Teton County/Jackson Parks & Recreation
PO Box 811
Jackson, WY 83001-1727

Submittal Date: January 24, 2022
Project No. 15063

Prepared by:



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)
<small>Updated splash pad/landscape renderings, reduced glazing on north elevation, updated metal panel fascade including south elevation</small> |
| ☒ | Application: Signed application and notarized Letter of Authorization. | | |
| ☒ | Narrative: 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). | | |
| ☒ | Elevations: Elevations and dimensions of all proposed building facades, including colored renderings. Renderings from 3-dimensional computer models shall be provided if available. | | |
| ☒ | Zoning Compliance: 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. | | |
| ☒ | Site Plan: 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. | | |
| ☒ | Landscape Plan: Must show all proposed landscape areas and the size and type of all proposed vegetation. | | |
| ☒ | Adjacent Context/Public Realm: 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. | | |
| ☒ | Materials: 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. | | |
| ☐ | OPTIONAL: Conceptual Approval: 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. | | |
| ☒ | OPTIONAL: Massing Model: 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. | | |



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 / Jackson Recreation Center Improvements
Physical Address: 155 E. Gill Ave.
Lot, Subdivision: _____ PIDN: 22-41-16-27-3-00-025 & 22-41-16-27-3-00-017

PROPERTY OWNER.

Name: Town of Jackson Phone: 307-733-3932
Mailing Address: P.O. Box 1687 ZIP: 83001
E-mail: _____

APPLICANT/AGENT.

Name: Berning Project Management, attn: Jason Berning Phone: 307-699-3733
Mailing Address: 313 Mountainside Blvd., Victor, ID ZIP: 83455
E-mail: berningpm@gmail.com

DESIGNATED PRIMARY CONTACT.

_____ Property Owner ☒ Applicant/Agent

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 #: P21-228 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?

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

X **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>.

X **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
Jason Berning

Name Printed

January 24, 2022

Date
Owner's Representative

Title



Town of Jackson
150 E Pearl Avenue
PO Box 1687, Jackson, WY 83001
P: (307)733-3932 F: (307)739-0919
www.jacksonwy.gov

Date:

LETTER OF AUTHORIZATION

NAMING APPLICANT AS OWNER'S AGENT

PRINT full name of property owner as listed on the deed when it is an individual OR print full name and title of President or Principal Officer when the owner listed on the deed is a corporation or an entity other than an individual

Being duly sworn, deposes and says that Town of Jackson is the owner in fee of the premises located at:
Name of property owner as listed on deed

Address of Premises: 155 E. Gill Ave

Legal Description: 22-41-16-27-3-00-017/PT. SW 1/4 SW 1/4 SEC. 27, TWP. 41, R. 116 Parcel A & B
Please attach additional sheet for additional addresses and legal descriptions

And, that the person named as follows: Name of Applicant/agent: Jason Berning

Mailing address of Applicant/agent: PO Box 485 / Victor, ID 83455

Email address of Applicant/agent: berningpm@gmail.com

Phone Number of Applicant/agent: 307-699-3733

Is authorized to act as property owner's agent and be the applicant for the application(s) checked below for a permit to perform the work specified is this(these) application(s) at the premises listed above:

- ☒ Development/Subdivision Plat Permit Application ☐ Building Permit Application
☐ Public Right of Way Permit ☐ Grading and Erosion Control Permit ☐ Business License Application
☐ Demolition Permit ☐ Other (describe) _____

Under penalty of perjury, the undersigned swears that the foregoing is true and, if signing on behalf of a corporation, partnership, limited liability company or other entity, the undersigned swears that this authorization is given with the appropriate approval of such entity, if required.

Larry Pardee
Property Owner Signature

Title if signed by officer, partner or member of corporation, LLC (secretary or corporate owner) partnership or other non-individual Owner

STATE OF Wyoming)
) SS.
COUNTY OF Teton)

The foregoing instrument was acknowledged before me by Larry Pardee this 29th day of November, 2021. WITNESS my hand and official seal.

Shellie M. Arellano
Notary Public



My commission expires: 5.2.24



SECTION 1 – PROJECT BACKGROUND AND OVERVIEW

A. PROJECT HISTORY & BACKGROUND

The TCJRC is an important public facility constructed in 1994. The facility serves a wide array of residents and guests throughout the community. TCJRC provides recreational, social and wellness programs, and services for the average of 60,000 unique visitors per year. In November of 2019 voters of Teton County and the Town of Jackson approved a ballot to expand our facility to increase these offerings to include wellness and fitness, indoor walking and jogging, indoor climbing, drop-in day care, an addition gymnasium, outdoor aquatic splash pad, and associated space to support these services. In addition, the project was approved to complete the Cache tube stormwater connection, develop the extension of King Street from Gill Ave. north in a complete streets format, and provide infrastructure for stormwater treatment for the Town of Jackson. The project will further assist the department in the delivery of our mission “to serve the community through safe and enjoyable parks and recreation opportunities”, and the general purpose of the Recreation Center to provide, maintain and manage quality of life programs and resources that encourage healthy lifestyles, social and cultural engagement, and community pride according to the needs of our residents and guests.

B. OWNER & PROJECT TEAM INFORMATION

PROPERTY OWNERS & APPLICANT

Teton County/Jackson Parks & Recreation
155 East Gill Avenue
PO Box 811
Jackson WY 83001
307-733-5056

OWNERS REPRESENTATIVE

Wember, Inc.
305 Sparrow Drive
Evanston, WY 82930
307-677-2219

Berning Project Management
313 Mountainside Blvd.
Victor, Idaho 83455
307-699-3733

ENGINEERING & LAND PLANNING

Jorgensen Associates, Inc.

1315 Highway 89 South, Suites 201 & 203; 83001
 P.O. Box 9550
 Jackson, Wyoming 83002
 307-733-5150

ARCHITECT

Perkin & Will .
 475 Lincoln Street, Suite 100
 Denver CO 80203

ASSOCIATE ARCHITECT

Hoyt Architects
 1110 Maple Way
 Jackson, Wyoming 83001

LANDSCAPE ARCHITECT

Inside Out
 5263 Torrence Road
 Wilson, Wyoming 83014

C. NARRATIVE

a. Project Description

The project is for the renovation and expansion of the existing Teton County / Jackson Recreation Center ("TCJRC") located at 155 East Gill Ave., Jackson, Wyoming. The project was identified by Teton County and the Town of Jackson as a priority and placed in front of the voters for capital funding consideration. In November 2019 the voters of Teton County approved the project based upon a conceptual program.

The project design consists of a 40,000 sqft addition and 3,700 sqft renovation and will provide a total square footage of approximately 67,000 sqft including existing space. The project includes the extension of King Street inclusive of a paved pathway, the extension of the Cache tube stormwater system, modified and expanded parking facilities, and associated circulation, landscaping, and site amenities.

The project team was brought on board in the Spring of 2021. The team developed and estimated a design that built upon the recreation center program while integrating elements responding to community engagement through stakeholder meetings, surveys, and a public open house.

The current civil design is at a 95% construction document level and the architectural and engineering design is at a 50% design development level. The design will be progressing to construction documents with a plan to submit for building permit in early 2022 paving the way for

an optimal Spring construction start. A Guaranteed Maximum Price Contract will be provided for approval from the Town Council and County Commissioners in the Spring of 2022.

The project is planned to be completed in one phase starting in Spring 2022 and the completion in the summer of 2023 with a Grand Opening in the Fall.

b. Vision Statement

The project meets the Town of Jackson Design Guidelines Vision Statement by expanding and updating an existing facility that improves the quality of life for both residents and visitors alike. By remodeling and adding to the existing Recreation Center, instead of building a new, stand-alone facility, the new project utilizes the existing property owned by the Town of Jackson and conserves resources. The design team has selected building materials and a color palette that is complementary to the Town of Jackson and the regional vernacular.

c. Public Space

As a public building, the project provides both interior and exterior space that is open to the public. The primary exterior public space is located on the west side of the building and is the transitional space from the parking lots and public sidewalk and bike path to the primary building entrance. In addition to the entrance plaza, there are open, landscaped spaces on the west and south portions of the building site and adjacent to the parking lot. Landscaping is utilized between, and adjacent to the bike path along King Street. Landscaping is also utilized at the entrance plaza, along King Street to help direct pedestrian traffic to sidewalks and the parking lot.

d. Composition

The design team is utilizing the same palette of exterior building materials on all elevations of the building that are seen by the public. A rhythm is established with the storefront glazing at the entrance on the west elevation that is carried around to the north elevation at the workout and gymnasium spaces. In addition, storefront glazing is utilized to identify the entrance and public lobby space within the building.

e. Massing

Due to the large interior volume of the program spaces in the new recreation center project (gymnasium, climbing gym, work-out studios) the design team has utilized exterior building materials to help break up the large massing of the building. The building is not located on the property lines and is set back from parking lots and public sidewalks allowing pedestrians to approach the larger mass areas of the building from a distance. In addition, the new large-volume spaces are to be built adjacent to the existing large volume gymnasium space. There will be no additions to the build at the south elevations where the swimming pool area is located. There will be a new exterior splash pad landscaped area between the existing to remain south parking lot and the existing portion of the recreation center. This landscape area will help visually buffer the building from the south.

The use of the Pure+Freeform metal panels on the façade of the large-volume spaces on the west and north elevation will help to break up the large monolithic look of the building.

Due to the large interior spaces required by the building program, the roofs of the new addition are flat with parapets. Roof height over different program areas varies in height to help break up the overall mass of the building.

f. Street Wall

Because the building is located on an existing site, not in the downtown core, and has landscaped buffer areas between the building and property lines, the new addition also is not built out to the property line.

g. Materials

The building materials for this project have been selected based on their durability, and availability while maintaining the project budget. All of the materials selected are being used in their appropriate application. The same palette of materials will be used on all elevations of the building that are visible to the public.

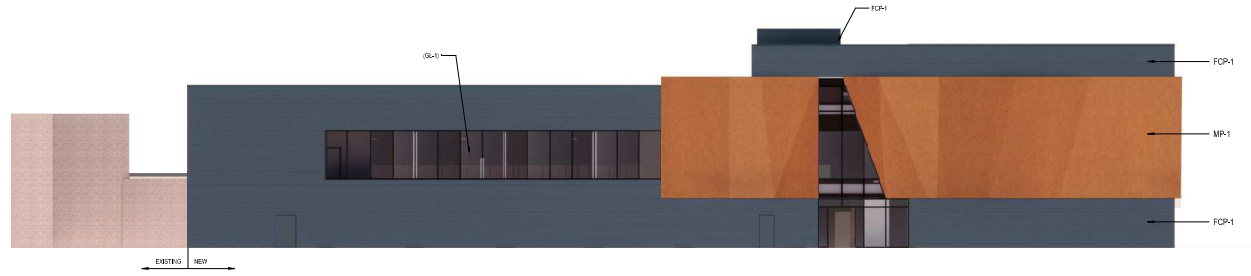
D. ZONING COMPLIANCE

This project is in direct alignment with the Teton County Comprehensive Plan as it is specifically identified as a use in Subarea 2.4 Public/Civic Campus which identifies this Subarea for institutional facilities such as the Davey Jackson Elementary School, the Teton County/Jackson Recreation Center, and the various State and Federal Agencies along North Cache Street. This area is identified to continue to provide these essential public services in a central location consistent with the sustainability and community service policies of the Plan. The improvements to the Recreation Center are necessary to continue providing and enhancing the essential recreational opportunities this facility provides to the community. The project's location is within the Comprehensive Plan District 2 – Town Commercial Core, Subarea 2.4 – Public/Civic Campus.

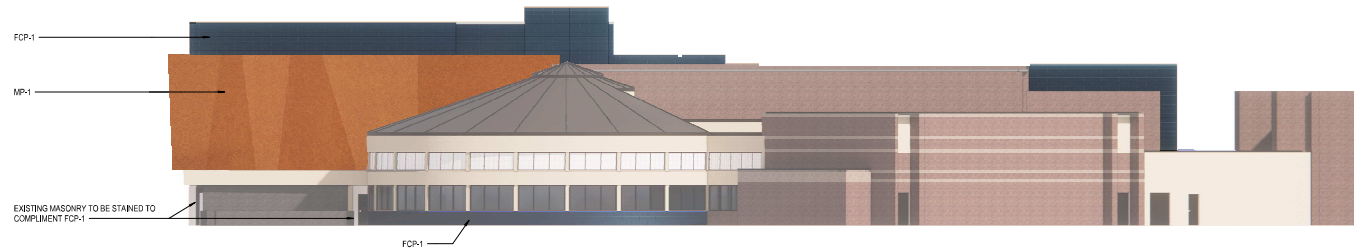
The project complies with all relevant standards for the LDR's and other Town Ordinances. The 4.91-acre site provides enough space to develop the proposed improvements to fit the programming and circulation needed for this important community facility. Setbacks are not applicable in the P-SP. The building location, bulk, and scale generally conform to requirements of the LDR's when pertaining to the P-SP Zoning District. The project also conforms to the purpose of the P-SP Zoning District in that the project needs the flexibility intended for this zone and is under the control of the local government. There are no zone-specific standards within the zone of Public/Semi-Public.

Zoning Requirements			
Jackson / Teton Recreation Center Project			
155 E. Gill Avenue			
Zone: Public/Semi-Public - Town			
	Existing sf	Addition sf	Total
Floor Area	39,896	27,060	66,756
FAR or maximum floor area	n/a	n/a	n/a
Site Development	n/a	n/a	n/a
Landscape Surface Area	n/a	n/a	n/a
Landscape Surface Ratio	n/a	n/a	n/a
Lot Coverage (max)	n/a	n/a	n/a
Street Setback (min)	n/a	n/a	n/a
Side Setback (min)	n/a	n/a	n/a
Rear Setback (min)	n/a	n/a	n/a
Height (max)	n/a	n/a	n/a
Stories (max)	n/a	n/a	n/a
Stories (LO) (max)	n/a	n/a	n/a

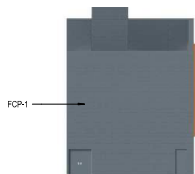
GL-1 - EXTERIOR GLASS
 800 VIBRACON T V-120N INSULATING, CLEAR/CLEAR
 GL-2 - EXTERIOR WINDOW GLASS
 800 VIBRACON T V-120N INSULATING, VISO MID GRAY VIBRAPHANE CLEAR/CLEAR
 FCP-1 - EXTERIOR FIBER CEMENT CLADDING
 800 AMERICAN FIBER CEMENT (STAIN LINE)
 MP-1 - EXTERIOR METAL CLADDING
 800 PURE + PREFORM (PAGE STEEL BRASS)



ELEVATION - RENDERED - NORTH



ELEVATION - RENDERED - SOUTH



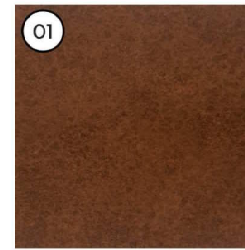
ELEVATION - RENDERED - EAST



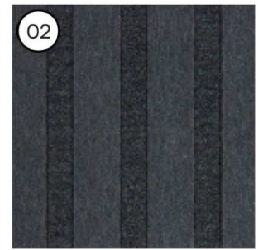
ELEVATION - RENDERED - WEST



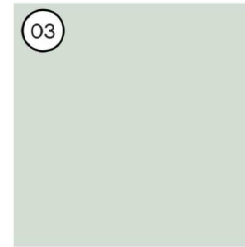
Exterior Finishes



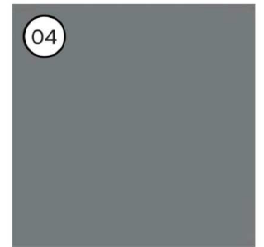
Metal Panel
Pure Freeform
Vintage Steel



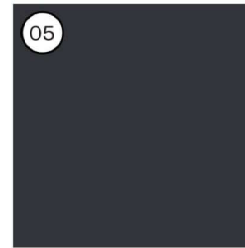
Fiber Cement Panel
American Fiber Cement
070 Flint



Glass
Viracon VE1-2M
Clear



Spandrel Glass
Viracon V953
Medium Gray



Mullions



Exterior Lighting
Wall-Mounted
Black Housing



RENDERING - EXTERIOR - WEST



JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
1/24/22

RENDERINGS

Perkins&Will



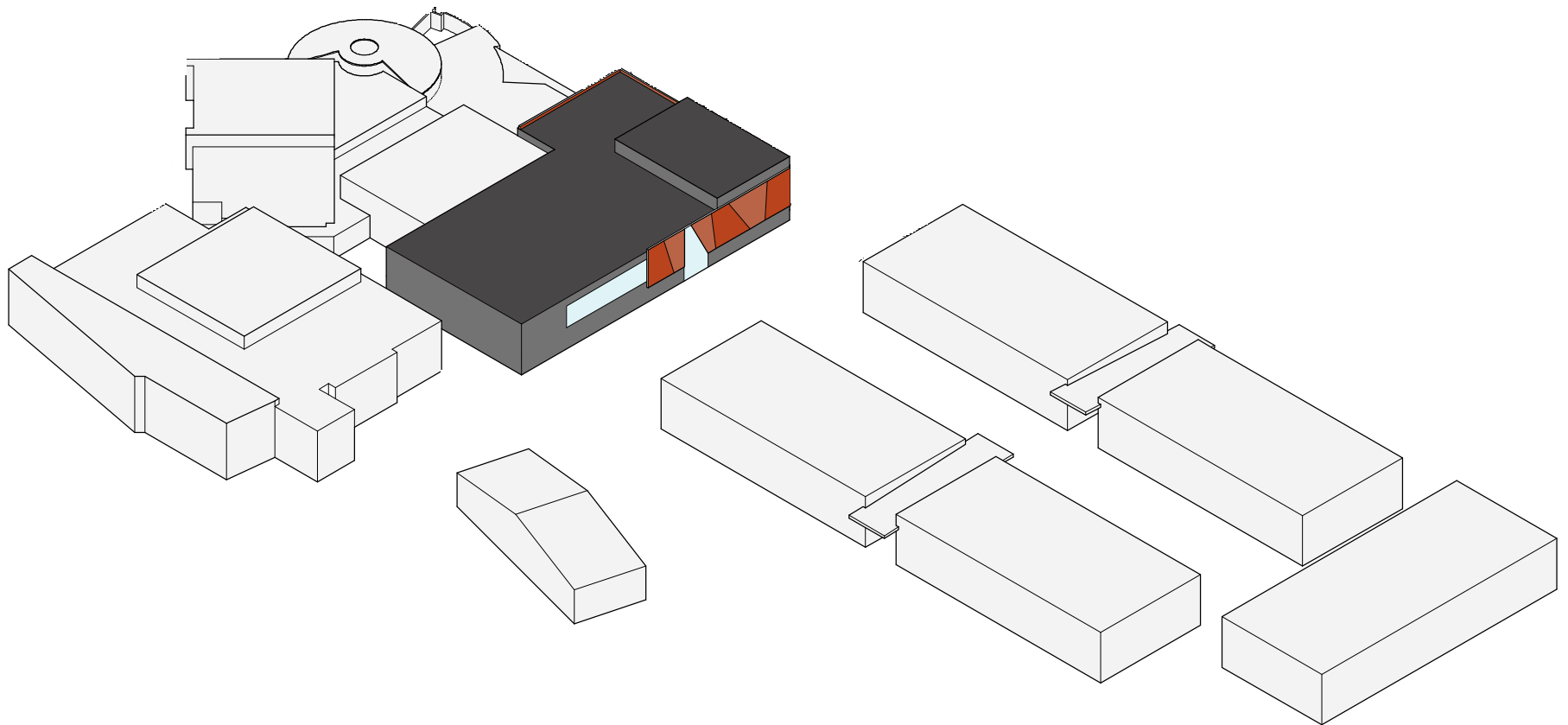
RENDERING - EXTERIOR - NORTH



JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
01/24/22

RENDERINGS

Perkins&Will



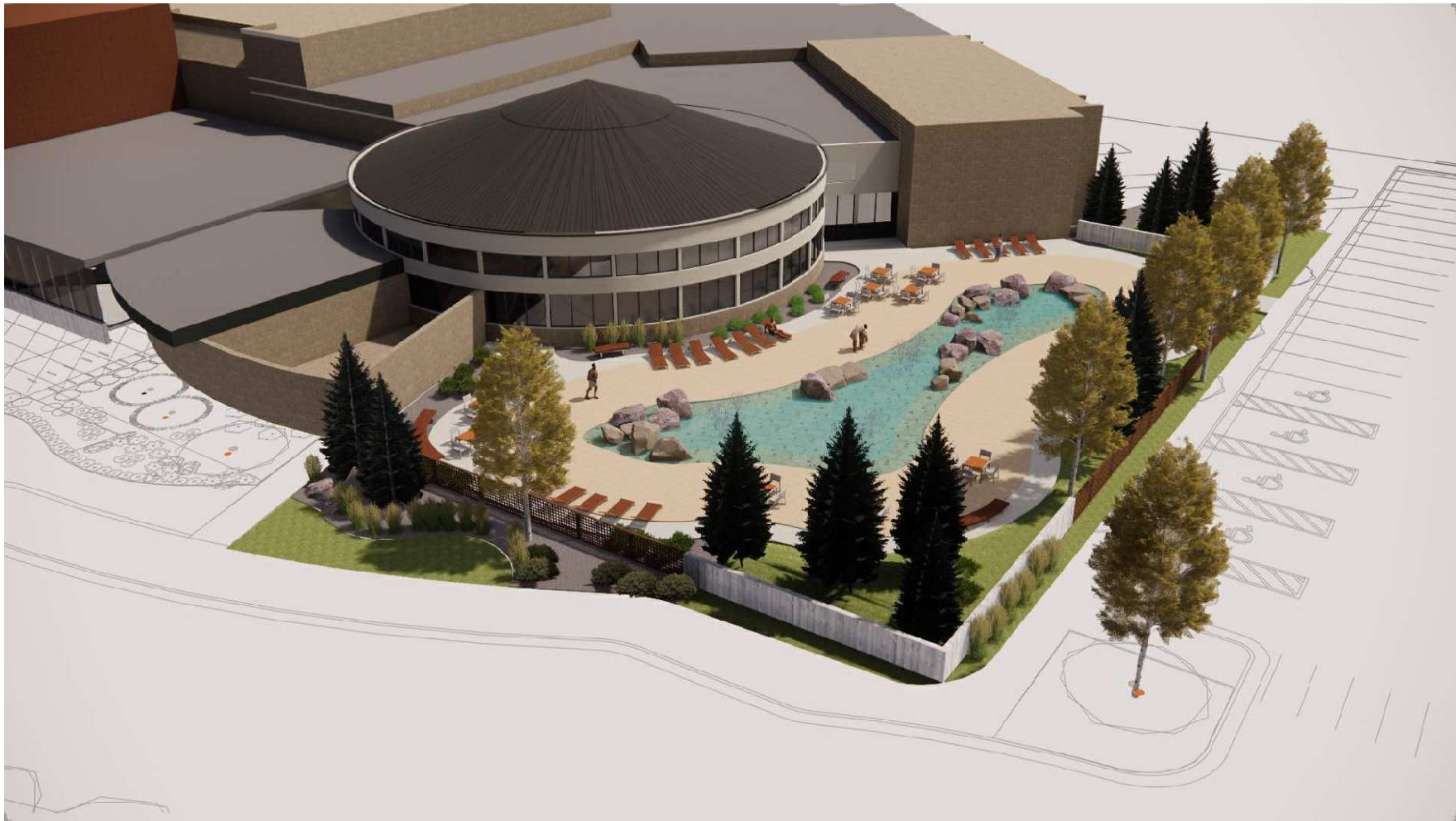
RENDERING - EXTERIOR - WEST



JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
1/24/22

DIAGRAM

Perkins&Will



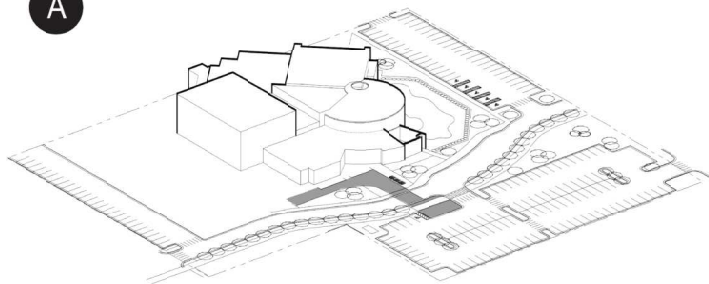
JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
01/24/22

SPLASH PAD

Perkins&Will

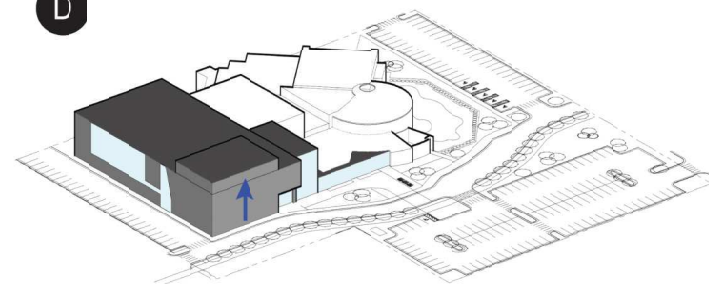


A



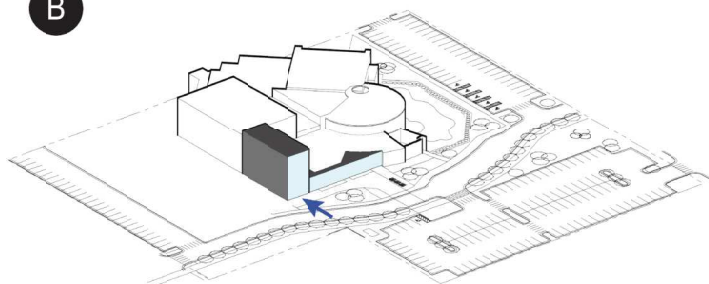
Existing recreation center on site plan.

D



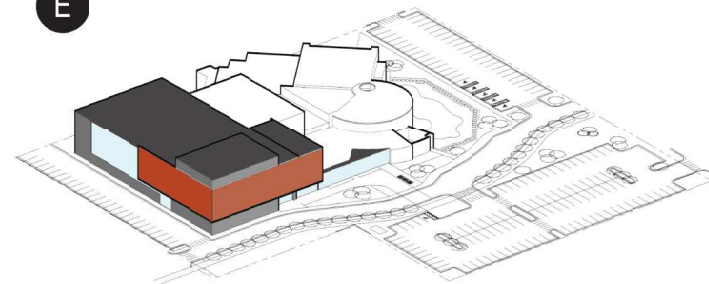
Volume expands vertically at climbing gym.

B



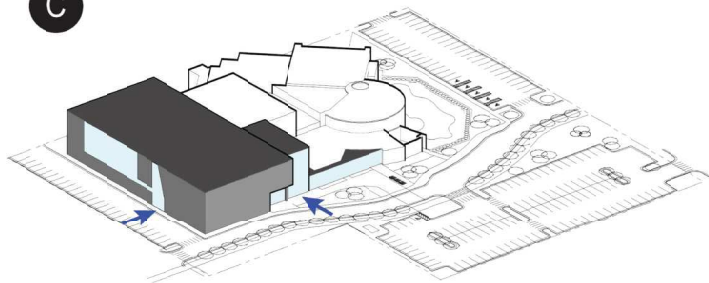
New central lobby and connection across existing building.

E



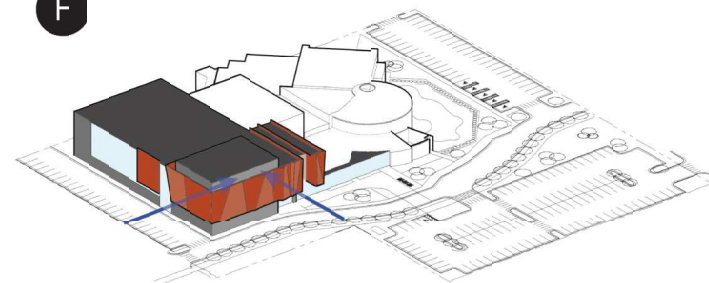
The horizontal mass of the main building box is set in contrast to a vertical 'corten' material.

C

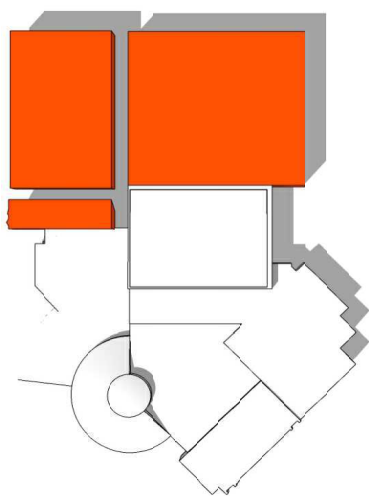


Main building box that creates a sense of heaviness and permanence.

F



The 'corten' folds and deforms as it is sculpted by nature. The expression of material turns inward and transforms the interior spatially.



ANCHOR THE BOX

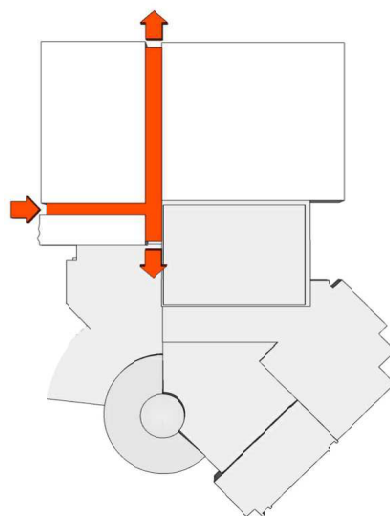
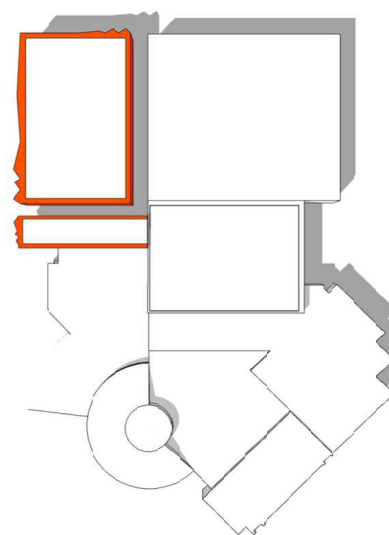
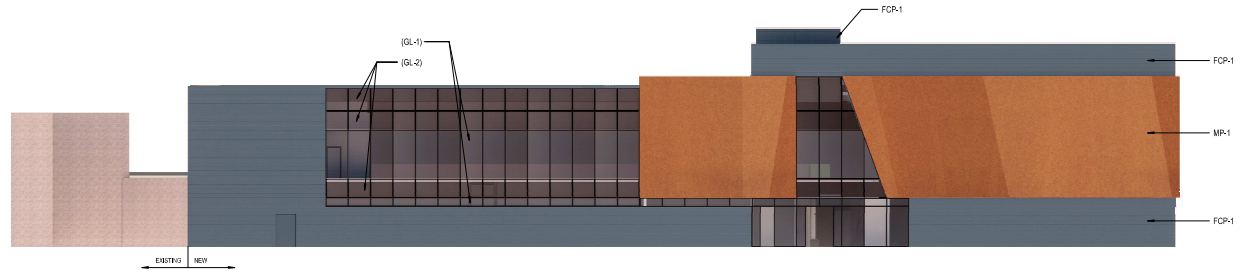


CHART THE PATH

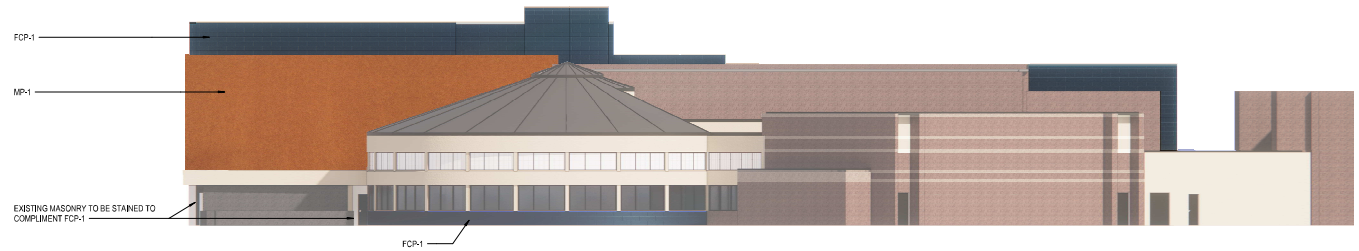


CARVE THE CANYON

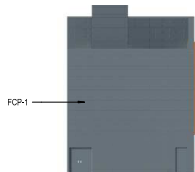
GL-1 - EXTERIOR GLASS
 ISO: VIRACON T VISION INSULATING, CLEAR/CLEAR
 GL-2 - EXTERIOR WINDOW GLASS
 ISO: VIRACON T VISION INSULATING, VISO MED GRAY VIRACON VISION CLEAR/CLEAR
 FCP-1 - EXTERIOR FIBER CEMENT CLADDING
 ISO: AMERICAN FIBER CEMENT (DUPONT INLINE)
 MP-1 - EXTERIOR METAL CLADDING
 ISO: PURE + PREFORM VENTAGE STEEL BRASS



ELEVATION - RENDERED - NORTH



ELEVATION - RENDERED - SOUTH



ELEVATION - RENDERED - EAST



ELEVATION - RENDERED - WEST



RENDERING - EXTERIOR - WEST



JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
12/21/21

RENDERINGS

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RENDERING - EXTERIOR - NORTH



JACKSON RECREATION CENTER IMPROVEMENTS
TETON COUNTY/JACKSON PARKS & RECREATION
12/22/21

RENDERINGS

Perkins&Will



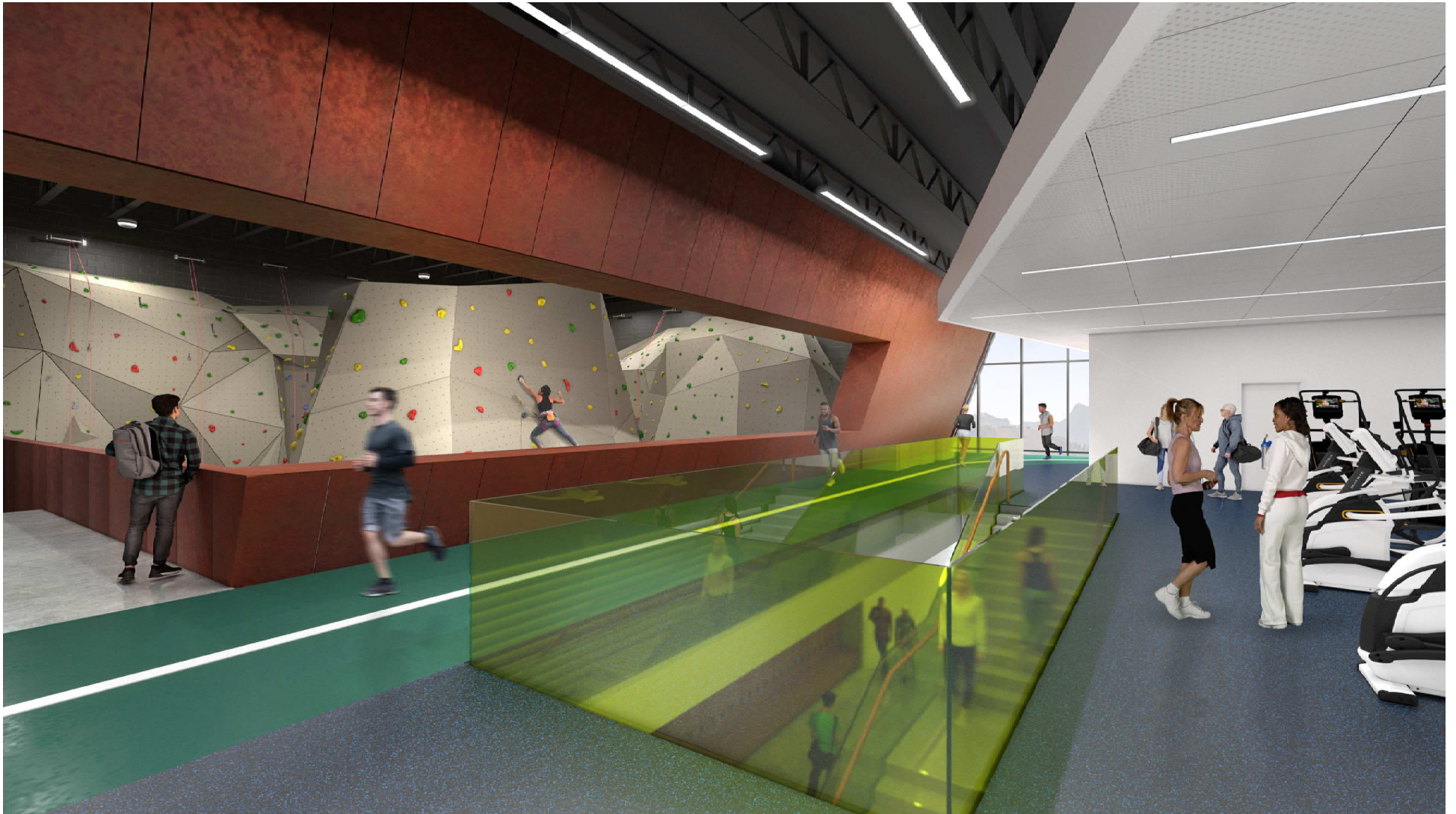
RENDERING - INTERIOR - LOBBY





RENDERING - INTERIOR - GYM





RENDERING - INTERIOR -
OVERLOOK

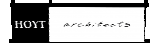
Concept Design Submission

EXTERIOR ELEVATION GENERAL NOTES

1. MATERIAL SYMBOLS ON ELEVATIONS ARE TO DISPLAY THE EXTENT OF THE MATERIAL ONLY. THEY ARE NOT TO SCALE.

Perkins&Will

475 LEXINGTON DRIVE, SUITE 100
DENVER, CO 80203
TEL: 303.733.4600
WWW.PERKINSWILL.COM



CONSULTANTS

ASSOCIATE ARCHITECT
HOYT ARCHITECTS
1110 MAPLE WAY, JACKSON, WY 83002
ARCHITECT
JOHN SEBEN
1315 HWY 88 S, SUITE 201, JACKSON, WY 83002
MECHANICAL & PLUMBING
BALLARD GROUP
2525 S WASHINGTON BLVD STE 200
LAKEWOOD, CO 80227
INNOVATIVE ELECTRICAL SYSTEMS
6000 WILLOW LANE, LAKEWOOD, CO 80227
LANDSCAPE ARCHITECT
BRIDE OUT
5261 TORRENCE RD, WILSON, WY 83054
ARCHITECT
AQUATIC DESIGN GROUP
2201 PARADISE AVE, CARLSBAD, CA 92008
OWNER
**TETON COUNTY/JACKSON
PARKS & RECREATION**
155 E. GILL AVE, JACKSON, WY 83001
OWNER'S REPRESENTATIVE
MEMBER
7200 S. JASPER CT, CENTENNIAL, CO 80112
CONTRACTOR
DE JOHNSON
1110 MAPLE WAY, STE E, JACKSON, WY 83001

NOT FOR CONSTRUCTION

PROJECT
**JACKSON RECREATION
CENTER
IMPROVEMENTS**
155 E. GILL AVE
JACKSON, WY 83001

**TETON
COUNTY/JACKSON
PARKS & RECREATION**

KEYPLAN

ISSUE CHART

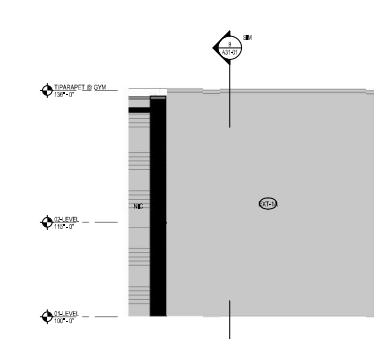
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2/20/21	ISSUED FOR CONSTRUCTION	DE	DE
2/20/21	JOB NUMBER	220711	
	TITLE		

EXTERIOR ELEVATIONS

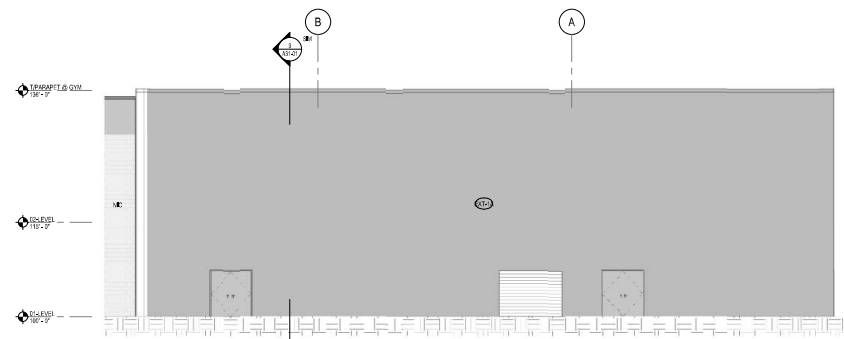
SHEET NUMBER

A20-01

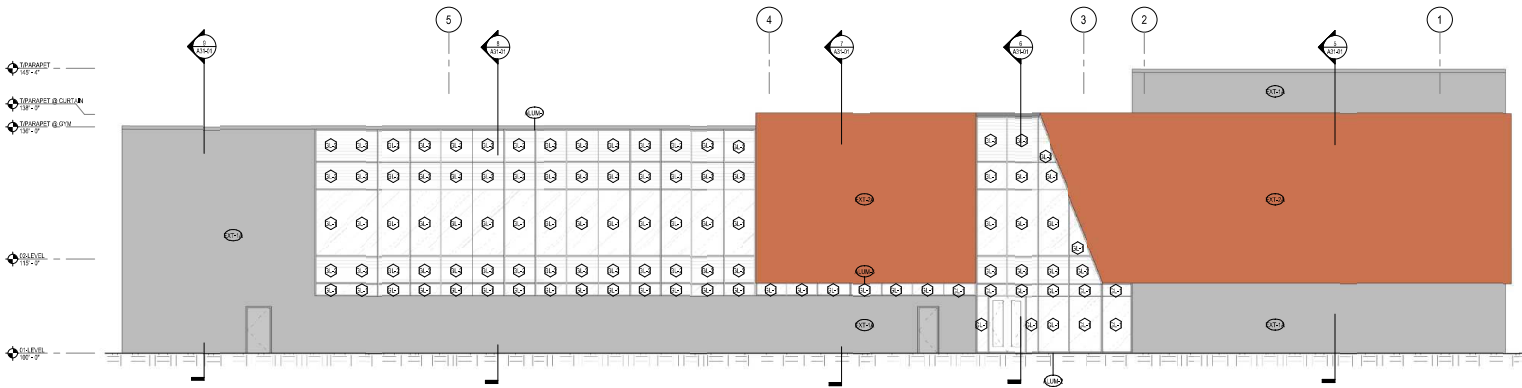
© 2021 Perkins and Will



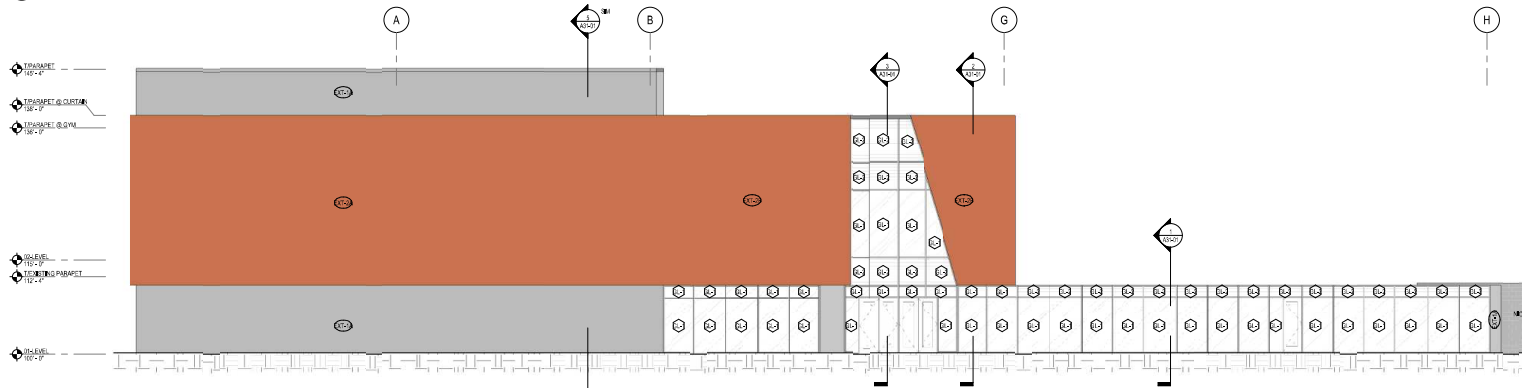
⑤ ELEVATION - SOUTH EXTERIOR
1/8" = 1'-0"



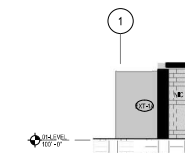
④ EAST EXTERIOR ELEVATION
1/8" = 1'-0"



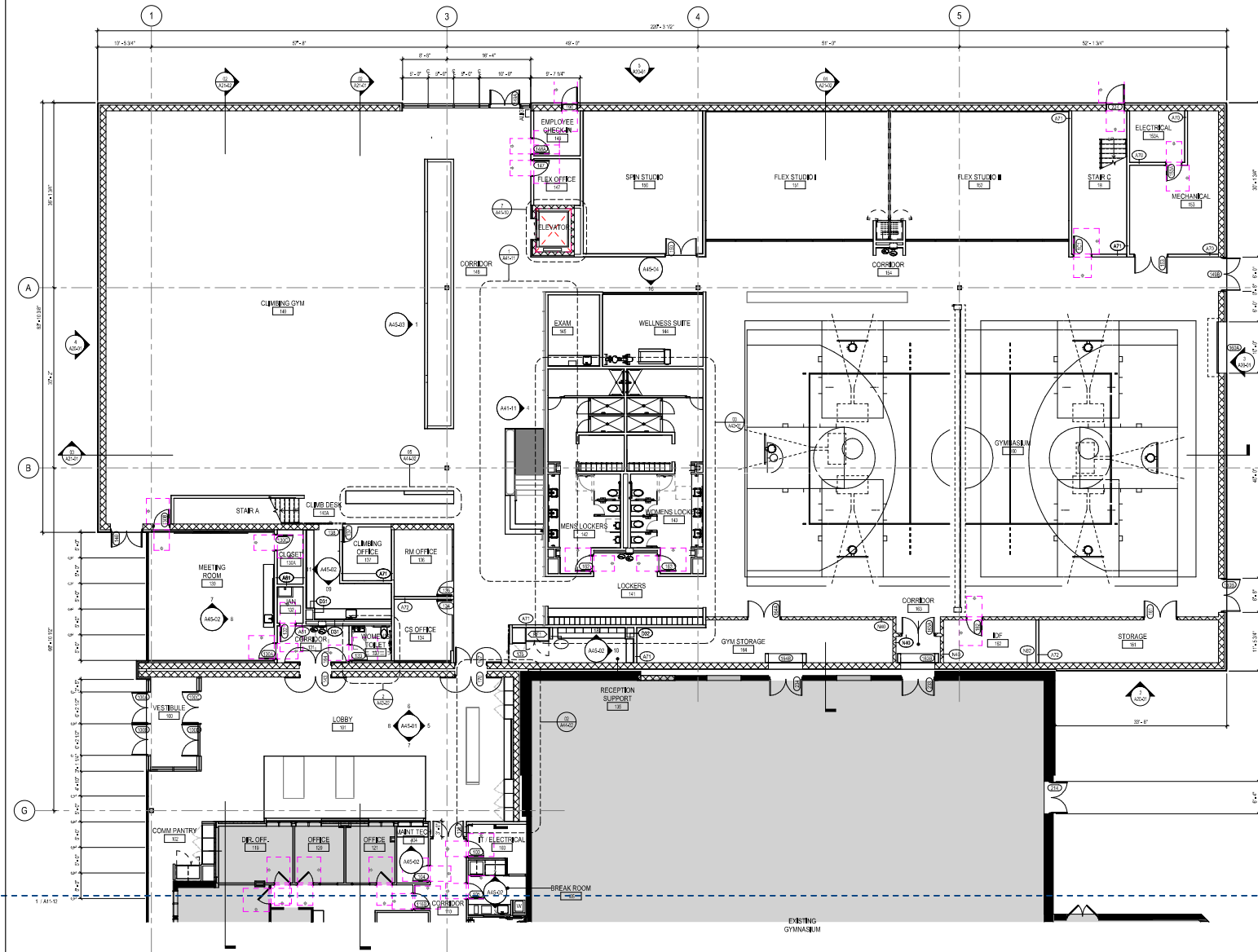
③ NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



② WEST EXTERIOR ELEVATION
1/8" = 1'-0"



① SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



① LEVEL 01 - SECTOR 1
1/8" = 1'-0"

GENERAL NOTES SECTOR PLANS

1. WATER CLOSETS SHALL BE MOUNTED A MIN. OF 1'-0" FROM THE CENTER OF THE WATER CLOSET TO THE FINISHED SURFACE OF THE JACED WALL.
2. SINKS AND LAVATORIES SHALL BE 1'-0" MIN. FROM THEIR CENTER LINE TO THE FINISHED SURFACE OF THE JACED WALL.
3. CENTER VENTILATION UNITS AND EXHAUST FANS SHALL BE LOCATED OVER THE LAVATORY.
4. FLOOR CONTROLS SHALL BE MOUNTED ON THE JACED SURFACE OF THE FLOOR, NO MORE THAN 48" ABOVE THE FINISHED FLOOR. ACCESSIBLE TOILETS SHALL BE LOCATED IN THE JACED SURFACE TO MEET THE CLEARANCE REQUIREMENTS FOR TOILETS.
5. ALL INTERIOR PARTITIONS TO BE GYPSUM BOARD ASSEMBLIES UNLESS NOTED OTHERWISE.

FLOOR PLAN

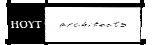
- BUILDING EXTERIOR JOINT
— EXTERIOR PARTITION TO REMAIN
— NEW PARTITION
- ▲ EXTERIOR ELEVATION TAG
▲ WALL SECTION TAG
▲ BUILDING SECTION TAG
- ◇ (ALPHA)
◇ (NUMERICAL)
- ◇ EXTERIOR GLASS SYSTEM TAG REF. ASK FOR SCHEDULE
◇ EXTERIOR GLASS SYSTEM TAG REF. ASK FOR SCHEDULE
- ◇ DOOR TAG REF. ASK FOR SCHEDULE FOR DOOR SCHEDULE
- PARTITION TAG REF. ASK FOR SCHEDULE FOR PARTITION SCHEDULE
- FLOOR DOWN
— OWNER FURNISHED EQUIPMENT ITEM
— AREA NOT IN CONTRACT

FLOOR PLAN NOTES BY NUMBER

- Indicates Sheet Keynote on Plan

Perkins&Will

475 LEXINGTON AVE.
NEW YORK, NY 10017
TEL: 212.512.2000
WWW.PERKINSWILL.COM



CONSULTANTS

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TETON COUNTY/JACKSON
PARKS & RECREATION
155 E. GILL AVE, JACKSON, WY 83001
OWNER'S REPRESENTATIVE
MEMBER
7520 S. JASPER CT, CENTENNIAL, CO 80112
CONTRACTOR
DE JOHNSON
1110 MAPLE WAY, STE E, JACKSON, WY 83001

NOT FOR CONSTRUCTION

DESIGN DEVELOPMENT 12.03.21

PROJECT
JACKSON RECREATION
CENTER
IMPROVEMENTS
155 E. GILL AVE
JACKSON, WY 83001



TETON
COUNTY/JACKSON
PARKS & RECREATION

KEYPLAN



ISSUE SHEET

NO.	DATE	DESCRIPTION
1	12/03/21	ISSUED FOR CONSTRUCTION
2	12/03/21	ISSUED FOR CONSTRUCTION

FLOOR PLAN - LEVEL 01
- SECTOR 1

SHEET NUMBER

A11-11

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GENERAL NOTES SECTOR PLANS

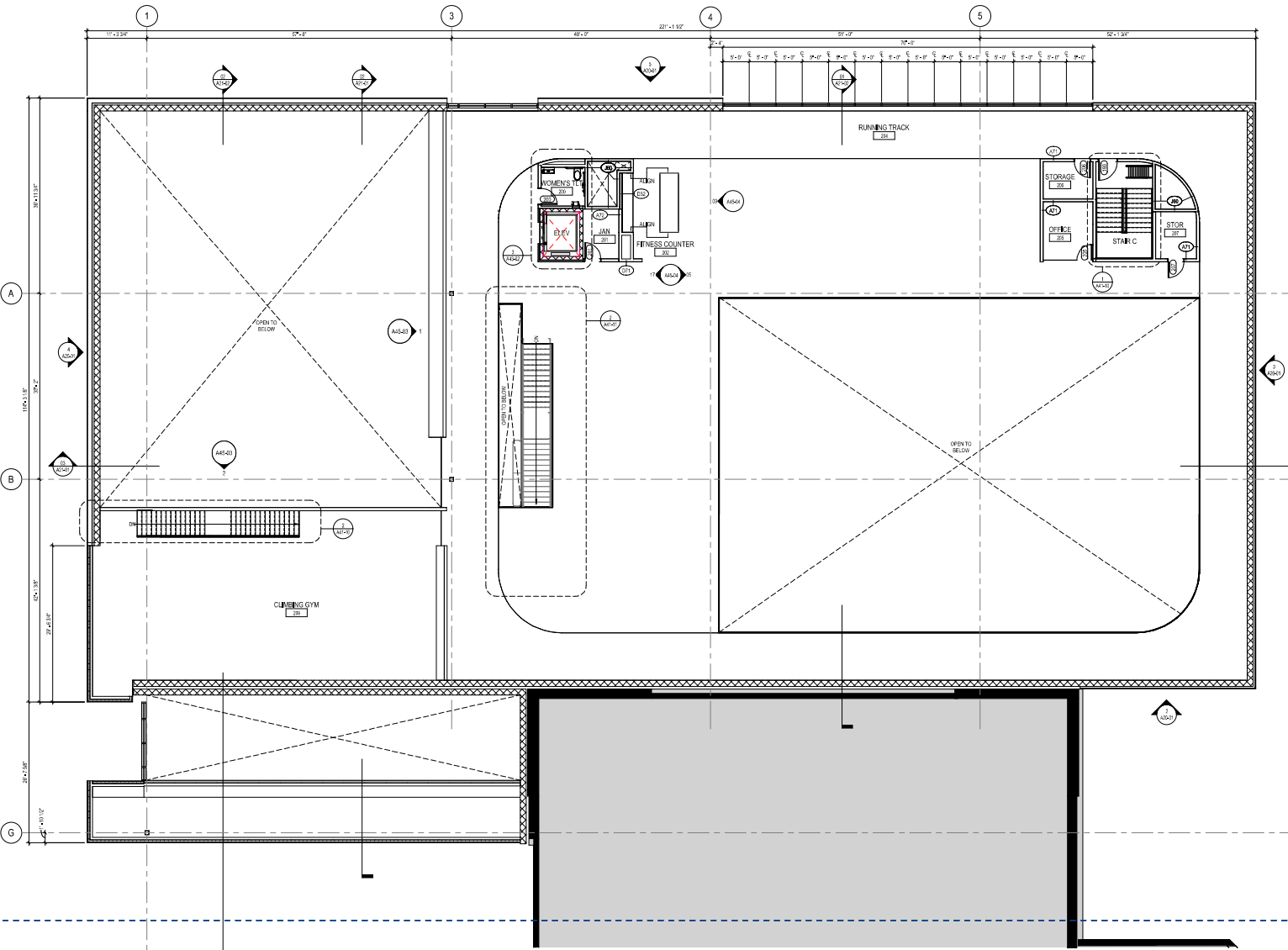
1. WATER CLOSETS SHALL BE MOUNTED A MIN. OF 1' FROM THE CENTER OF THE WATER CLOSET TO THE FINISHED SURFACE OF THE REAR WALL.
2. SINKS AND LAVATORIES SHALL BE 1' MIN. FROM THE CENTER LINE TO THE FINISHED SURFACE OF THE REAR WALL.
3. CENTER VANITY MIRROR AND LIGHT FIXTURES OVER THE LAVATORY.
4. FLUSH CONTROLS SHALL BE MOUNTED ON THE SIDE OF THE TOILET, NO MORE THAN 4" ABOVE THE FINISHED FLOOR. ACCESSIBLE TOILETS SHALL BE MOUNTED FLUSHES TO MEET TURN CLEARANCE REQUIREMENTS FOR SINKS.
5. ALL INTERIOR PARTITIONS TO BE GYPSUM BOARD ASSEMBLIES UNLESS NOTED OTHERWISE.

FLOOR PLAN

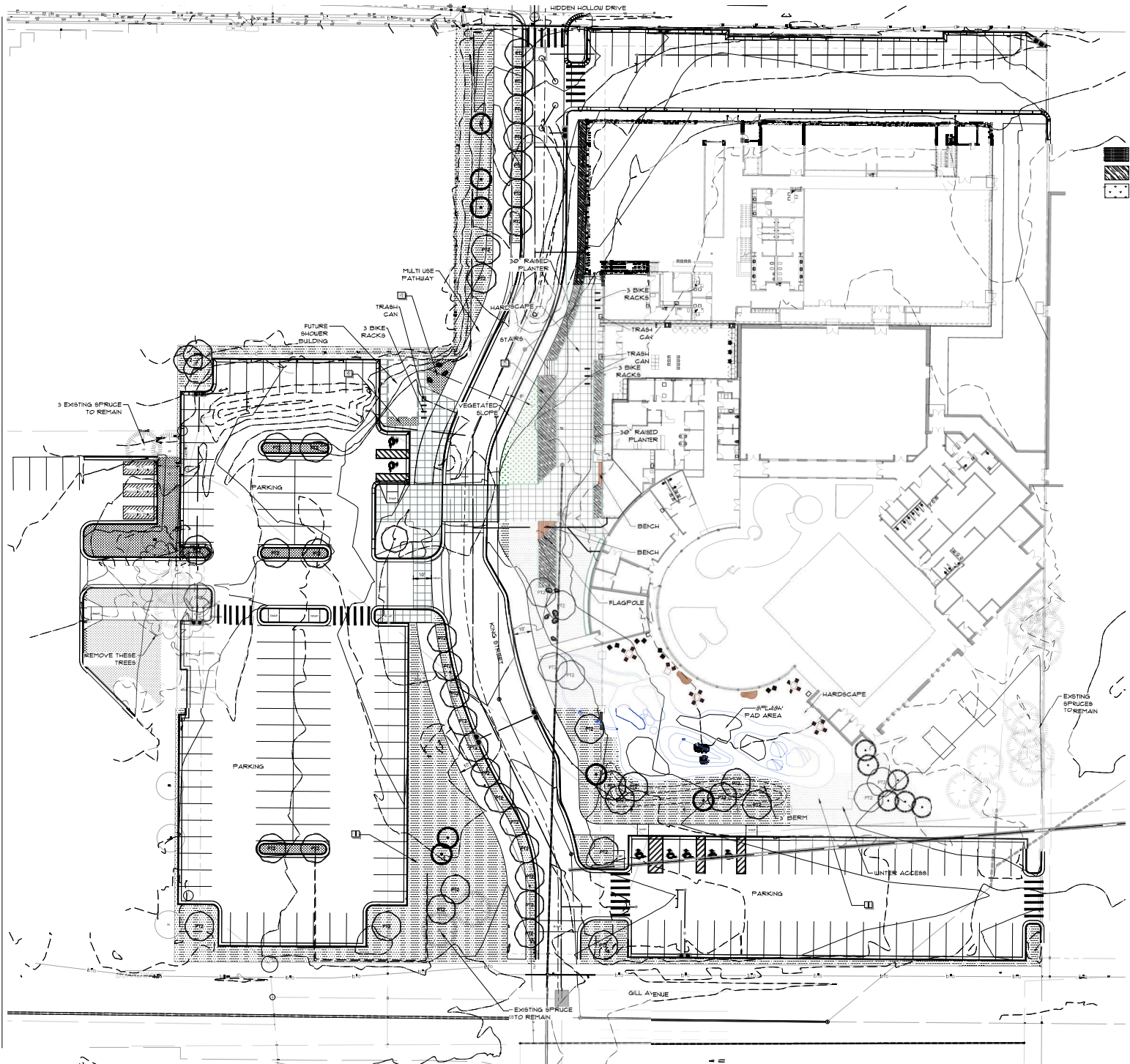
- BUILDING EXPANSION JOINT
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXTERIOR ELEVATION TAG
- WALL SECTION TAG
- BUILDING SECTION TAG
- EXTERIOR GLASSING SYSTEM TAG REF. AS SHOWN FOR SCHEDULE
- EXTERIOR GLASSING SYSTEM TAG REF. AS SHOWN FOR SCHEDULE
- DOOR TAG REF. AS SHOWN FOR SCHEDULE
- PARTITION TAG REF. AS SHOWN FOR SCHEDULE
- FLOOR DOWN
- OWNER FURNISHED EQUIPMENT ITEM
- AREA NOT IN CONTRACT

FLOOR PLAN NOTES BY NUMBER

- ccc Indicates Sheet Keynote on Plan
- 100% 50% 0% 100% 50% 0% 100% 50% 0%
- DATE: 12/03/21
- JOB NUMBER: 220911
- TITLE: FLOOR PLAN - LEVEL 02 - SECTOR 1
- SHEET NUMBER: A11-21



1 CONSTRUCTION PLAN - LEVEL 02 - SECTOR 1
1/8" = 1'-0"



REFERENCE NOTES SCHEDULE			
SYMBOL	DESCRIPTION	QTY	DETAIL
[Symbol]	BLUEGRASS TURF	22,641 sf	
[Symbol]	RAISED PLANTER	1540 sf	
[Symbol]	AT GRADE PLANTER	271 sf	

Perkins&Will

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CONSULTANTS

ARCHITECT: HOYT ARCHITECTS
1110 MAPLE WAY, JACKSON, WY 83002

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LANDSCAPE ARCHITECT: INK & OUT LANDSCAPE ARCHITECTURE
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ARCHITECT: AQUA DESIGN GROUP
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OWNER: TETON COUNTY/JACKSON
PARKS & RECREATION
155 E. GILL AVE, JACKSON, WY 83001

MEMBER: 7625 S. JASMINE CT., CENTENNIAL, CO 80112

CONTRACTOR: GE JOHNSON
1110 MAPLE WAY, STE E, JACKSON, WY 83001

NOT FOR CONSTRUCTION

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JACKSON RECREATION
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155 E. GILL AVE
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SCHEMATIC DESIGN 03.14.21



TETON
COUNTY/JACKSON
PARKS & RECREATION

155 E. GILL AVE
JACKSON, WY 83001

KEYPLAN

ISSUE CHART

REV.	DATE	BY	CHKD.	DESCRIPTION
1	03/14/21	AW	AW	SCHEMATIC DESIGN

OVERALL
SITE
PLAN

SHEET NUMBER

L201

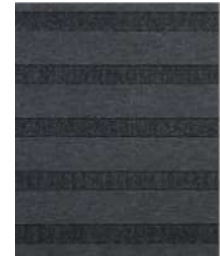
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METAL PANEL (MTL-1)
BOD: MANUFACTURER: PURE+FREEFORM
STYLE/COLOR: GILDED RUST



FIBER CEMENT WALL CLADDING (FCP-1)
BOD: MANUFACTURER: AMERICAN FIBER CEMENT
STYLE/COLOR: 070 FLINT (INLINE)



GLASS
BOD: MANUFACTURER: VIRACON
STYLE/COLOR: VEI-2M



SPANDREL (GL-2)
BOD: MANUFACTURER: VIRACON
STYLE/COLOR: V953 MEDIUM GRAY



PAINT/MULLION COLOR (PT-1)
BOD: MANUFACTURER: VIRACON
STYLE/COLOR: V953 MEDIUM GRAY



MATERIAL IMAGES ARE FOR INTENT ONLY AND ARE NOT TO SCALE