COMMERCIAL DEVELOPMENT DESIGN STANDARDS APPLICATION

Planning Department · Phone 608.789.7512 · Fax 608 789.7318
http://www.cityoflacrossse.org Planning@cityoflacrosse.org

Permit No.:	
Date:	
Parcel No.:	

STATUS:

OWNER

Name: CITY OF LA CROSSE · WATER UTILITY
Address: 400 LA CROSSE STREET
City: LA CROSSE LA CROSSE.ORG
Phone: 789·7536 | Cell: | Fax: | E-mail: LENZB@CITYOF

ARCHITECT CONTRACTOR

Name: VANTAGE ARCHITECTS, INC.
Address: 750 THIRD STREET NORTH, STE F
City: LA CROSSE ARCHITECTS.COM
Phone: 784·2729 | Cell: | Fax: | E-mail: JS@VANTAGE

PROJECT

Check One: ☒ Building ☐ Addition ☐ Alteration/Remodel

Description of Work:
DEMOLISH EXISTING WATER RESERVOIR AND BACKFILL SITE. CONSTRUCT A NEW 3,600 SQ. FT. PRECAST PANEL VEHICLE GARAGE AND WASH BAYS. PROVIDE REQUIRED UTILITIES TO NEW FACILITY.

Pre-application Meeting Date:
Applying for Exception: ☒ No ☐ Yes (Include $300 Check for Public Notification)

PROPERTY

Project Address: 800 EAST AVENUE NORTH
Zoning District: PUBLIC / SEMI PUBLIC | Parcel Number:
Address: 800 EAST AVENUE NORTH | Address same as property owner's address: ☐
City: LA CROSSE | State: WI | Zip Code: 54601

OFFICIAL USE ONLY

Date Received: Review Date:
Exception Check: ☐ Yes ☐ No
Required Information: ☐ Site Plan ☐ Architecture Plan ☐ Landscape Plan ☐ Building Elevations & Materials ☐ Exterior Light Diagram ☐ LEED Checklist ☐ Photos

The applicant agrees that all design aspects and maintenance plans are in accordance with the requirements of Section 15.47 of the Code of Ordinances for the City of La Crosse. Application, the checklist, and seven (7) sets of required information must be submitted to the City Inspection Department prior to review and acceptance. $500.00 SUBMITTAL FEE

JERREL SCHOMBERG
(PRINT) Architect/Engineer Name

Greg Kozelek
(Print) Owner Name

Signature (Architect/Engineer) 5/16/2019 Date

Signature (Owner) 5/16/19 Date

DESIGN REVIEW CHECKLIST

The checklist must be completed in full by the applicant prior to submission. Completed elements should be checked. Any elements that do not apply to your site or you are requesting an exception on, check the corresponding column and include notes. Items in italics are recommended actions but not required.

		YES	NO	N/A	NOTES
PARKING LOT DESIGN AND PARKING STANDARDS					
C.2	No parking stall may be closer to the street than the building setback line or the building on the same parcel, whichever is farther from the street unless the applicant can demonstrate that there are no practical alternatives related specifically to the site.	☐	☐	☒	Existing to remain
C.3	All points of ingress and egress will be evaluated by the City Traffic Engineer to determine if ingress and egress should be allowed directly to the street or via an alley.	☐	☐	☒	Existing to remain
C.4	Parking areas shall be separated from primary buildings by a landscaped buffer.	☐	☐	☒	Existing to remain
C.5	Minimum setback for parking stalls and drives is five (5) feet from all property lines with the exception of the alley (in order to accommodate landscaping or drainage swales). Parking for adjacent properties may be combined into continuous paved lots, eliminating the required setback at the shared property line, provided that 100% of the lost green space is replaced elsewhere on the parcel (e.g. with a 10' setback along the opposite lot line).	☐	☐	☒	Existing to remain
C.6	A parking lot for more than 12 vehicles shall incorporate at least 288 square feet of planting islands at least 8 feet in width (face of curb to face of curb). Planting islands may be either parallel to parking spaces or perpendicular to the parking spaces. As parking lot size increase, and additional planting island is required at the ratio of one planting island for every 20 automobile parking spaces. No less that 5 percent of the islands shall be interior to the parking lot.	☐	☐	☒	Existing to remain
C.7	Landscaping buffers, green space, and planting islands must total a minimum of 10 percent of the lot.	☐	☐	☒	Existing lot
C.8	Buffers, setbacks, and planting islands are encouraged to be used for stormwater infiltration.	☒	☐	☐	See storm water plan
C.9	All approaches, parking and vehicular circulation areas shall be paved and graded for proper stormwater management. The use of pervious pavement for stormwater infiltration is highly encouraged.	☒	☐	☐	See storm water plan
C.10	For structures not needing approval by the Wisconsin Department of Commerce, parking spaces shall not be less than 8.5 feet in width and 17 feet in length. The full dimensions of this rectangle must be maintained in angled parking designs. Drive aisle widths vary depending upon the angle of parking space. The following minimum standards apply and shall be consistent with requirements of the City Engineering Department adopted standards: 45 degrees – 12'10" aisle 55 degrees – 13'7" aisle 65 degrees – 15'4" aisle 75 degrees – 17'10" aisle 90 degrees – 22' aisle	☐	☐	☒	Existing to remain
C.11	Where maximums on parking ratios exist, parking surfaces and drive aisles shall be permitted to be increased in size by no more than five percent (5%), provided at least twenty-five percent (25%) of the parking lot and pedestrian sidewalks consist of paving blocks (plastic or concrete honeycomb grid) planted with grass.	☐	☐	☒	Existing to remain
C.12	Parking lots shall be located on the same lot as the principal structure (unless it can be demonstrated that shared parking will be beneficial to multiple property owners and does not result in a "gap tooth" effect on a block face).	☒	☐	☐	Existing to remain

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
C.13	Raised curbs, parking blocks or stops, decorative bollards and/or fences, trees and/or shrubs shall be utilized along the edge(s) of parking lots to prevent motor vehicles from parking on green space buffers, outdoor recreation space, bike parking areas, sidewalks and side and front yards. In the event the original protective measures are inadequate to preventing inappropriate parking, additional measures shall be taken.	☐	☐	☒	Existing to remain
C.14a	Parking lot snow storage area(s) shall be designated in the parking lot and/or green space buffers.	☒	☐	☐	
C.14b	Snow storage areas shall not be located near parking lot entrances and impede driver vision.	☒	☐	☐	
C.14c	If these green space buffer(s) are no longer capable of storing snow, the property owner shall arrange for the excess snow to be removed.	☒	☐	☐	
C.14.d	To the greatest extent possible, melting snow or ice should not drain over sidewalks or across neighboring properties.	☒	☐	☐	
C.15	Light-colored and/or reflective surface coating should be considered to reduce the "heat island" effect of traditional asphalt parking lots.	☐	☒	☐	Existing to remain
C.16	Environmentally-friendly paving materials and methods are encouraged, including but not limited to using recycled asphalt tires and roofing shingles as part of the mix or base.	☐	☒	☐	
C.17	Porous paving materials such as paving blocks with decorative gravel, or properly spaced cobbles, brick, and natural stone with grass planted in between in small clusters and methods that reduce stormwater runoff are encouraged.	☐	☒	☐	
C.18	The off-street parking provisions for all commercial development shall be in conformance with 15.04(G). Required off-street parking space, including access drives and aisles, shall not cover more than seventy-five percent (75%) of the lot area in which such off-street parking space is permitted.	☐	☐	☒	Existing to remain
PEDESTRIAN CIRCULATION					
D.2	There shall be a paved pedestrian route from the sidewalk or street to the main building entrance, and from the parking area to the nearest building entrance.	☒	☐	☐	
D.3	Pedestrian routes shall be paved with concrete. Bituminous material shall not be allowed for pedestrian routes.	☐	☐	☒	
D.4	Porous paving materials and methods that reduce stormwater runoff.is encouraged.	☐	☒	☐	
BUILDING MECHANICAL SERVICE ELEMENTS					
E.2	The design and location of the following items shall be indicated on building and/or site plans, illustrated with spec sheets as appropriate, and submitted with the Design Standards Checklist:	☒	☐	☐	
E.2a	utility meters	☒	☐	☐	
E.2b	building mechanicals	☒	☐	☐	Existing trash and recycling to remain
E.2c	trash and recycling containers	☐	☐	☒	
E.2d	bicycle parking	☐	☐	☒	Existing site elements to remain
E.2e	outdoor seating areas	☐	☐	☒	
E.2f	solar and wind facilities	☐	☐	☒	
E.2g	dish antennas (not permitted to hang off the side of buildings)	☐	☐	☒	
E.2h	transformers	☒	☐	☐	
E.2i	back-up generators	☐	☐	☒	Existing to remain

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
E.3	Service areas, utility meters, and building mechanicals shall not be located on the street side of the building, nor on the side wall closer than 10 feet to the street side of the building. The location of emergency back-up generators and transformers shall be coordinated between the City, developer and the utility company. Screening of meters, generators, transformers, and mechanicals is required when visible from the street with an approved screen device. Screening materials shall match building materials. Cable, conduit and phone line shall not be visible on the exterior with the exception of conduit running directly to the meter/utility boxes at the time of initial occupancy. Mailboxes are permitted within 10 feet of the front of the building if not visible from the street.	☒	☐	☐	Existing elements are to remain, new elements will not be located on street side
E.4	Trash and recycling containers, including cans and dumpsters, shall have covers and be screened so as not to be visible from the street or from neighboring properties. Screening shall be one foot higher than the container but no higher than six feet; however, roofed enclosures may exceed this limit.	☐	☐	☒	Existing trash and recycling to remain
E.5	If a building owner chooses to provide a trash receptacle and/or a smoking materials receptacle, the receptacle(s) shall be decorative if located at the entrance that faces a public street. These receptacles shall be screened from view and/or designed to fit with the architecture and materials of the building.	☐	☐	☒	None
E.6a	High energy gas appliances shall have the air intakes and exhaust vents located on the sides or rear of the building where they do not interfere with any sidewalks, are not likely to be blocked or damaged by pedestrian traffic, snow or the removal of snow, and away from any trees or shrubs that would be harmed by the exhaust heat and gases.	☐	☐	☒	None
E.6b	Window-mounted air conditioners shall not be permitted.	☐	☐	☒	None
E.6c	PTAC air conditioner/heat pump units must be designed into the architecture of the building.	☐	☐	☒	None
E.6d	If heat pumps or air conditioners are located on the ground, they shall be on one side or the rear of the building and screened with evergreens or decorative screening that matches or complements the exterior siding of the building, such that proper clearances are maintained for the manufacturer's warranty.	☐	☐	☒	None
E.6e	If heat pumps or air conditioners are located on the roof, they shall be placed, painted and/or screened so as to minimize the visual impact to the street.	☐	☐	☒	None
E.7a	Bicycle parking using bike racks specifically designed for bike parking shall be provided at one (1) space per 10 automobile parking spaces or one (1) space per 20 employees, whichever is greater, and should be located near building entries, shall not interfere with pedestrian circulation, and shall be well-lit. Bikes are not permitted to be stored, locked or chained on decks, patios, fences or any other exterior location other than a bike rack specifically designed for bike parking.	☐	☐	☒	Existing to remain
E.7b	Bicycle parking (to accommodate four bicycles) shall be nominally at least nine (9) by six (6) feet or fifty-four (54) square feet and increase by the same ratio to accommodate the number of bike spaces.	☐	☐	☒	Existing to remain
E.7c	The base for bike racks should be concrete to ensure their stability; however, the remaining bicycle parking area shall be porous paving materials (paving blocks with decorative gravel or wood mulch, or properly spaced cobbles, brick, and natural stone with grass planted in between in small clusters) to reduce stormwater runoff but shall not result in standing water. If an area for bike parking is designed using these standards, then up to 100 percent of the space taken for the bike parking shall count as green space.	☐	☐	☒	Existing to remain

DESIGN REVIEW CHECKLIST

LANDSCAPING OPEN SPACE & PLANTINGS		YES	NO	N/A	NOTES
F.2	A landscape design and planting plan shall be prepared and submitted for all buildings. Landscape plans for developments shall be prepared and signed by a Landscape Architect, nurseryman, or professional site planner with educational training or work experience in land analysis and site plan preparation prior to submittal to the City.	☐	☐	☒	Extent of existing landscaping will remain as project allows. A majority of large mature trees will remain, see site plan.
F.2a	No building permit shall be issued until the required landscaping plan has been submitted and approved, and no certificate of occupancy shall be issued until the landscaping is completed as certified by an on-site inspection by the Building Inspector, Planning Staff, or other designated official, unless a financial guarantee acceptable to the City has been submitted.	☐	☐	☒	
F.2b	Landscape surety. The owner shall provide the City with a cash deposit, bond, or approved letter of credit to guarantee the proper installation and growth of all landscape improvements proposed in the approved landscape plan. Said surety may remain in effect for two full growing seasons. A growing season shall be considered a period from May 1 to September 30. The first year, the amount of the surety will be equal to 100% of the estimated cost of plant material, installation and tree preservation. Once installation has been completed per the approved landscape plan and verified by the City, 75% of the surety will be reimbursed back to the owner. The remaining 25% will be kept by the City for a period of twelve (12) months to cover any maintenance cost that may be needed. Such surety shall be filed with the City Finance Officer.	☐	☐	☒	
F.2c	The City may allow an extended period of time for completion of all landscaping if the delay is due to conditions which are reasonably beyond the control of the developer. Extensions may not exceed nine months, and extensions may be granted due to seasonal weather conditions. When an extension is granted, the City may require such additional security and conditions as it deems necessary.	☐	☐	☒	
F.3a	The plan shall address all parts of the parcel and shall indicate: Details of all proposed vegetative landscaping materials, including placement, common and botanical names, caliper/height or container size and quantity and maintenance requirements.	☐	☐	☒	
F.3b	Details of proposed non-vegetative landscaping and screening materials.	☐	☐	☒	
F.3c	Planting and construction schedule for completion of landscaping and screening plans.	☐	☐	☒	
F.3d	Estimated cost from a landscaper on a bid or estimate form of the proposed landscaping.	☐	☐	☒	
F.4	All portions of the site not covered by buildings, paving material, or other planned and approved surfaces shall be considered “landscaped area” and shall have a minimum of 4 inches of top soil and be planted with living plant materials and/or mulches. Overall site landscaping shall include not less than:	☐	☐	☒	
F.4a	One tree placed in the boulevard per 40 linear feet of lot frontage;	☐	☐	☒	
F.4b	Not less than two trees and eight shrubs per 600 square feet of landscaped area. These are minimum standards – more plantings are encouraged.	☐	☐	☒	
F.5	All plant material used shall meet the minimum standards established by the American Association of Nurserymen as published in the American Standards for Nursery Stock and shall meet the following minimum requirements:	☐	☐	☒	
F.5a	Deciduous trees: 2” dbh (diameter at breast height)	☐	☐	☒	
F.5b	Ornamental trees: 2” dbh	☐	☐	☒	
F.5c	Evergreen trees: 5’ height	☐	☐	☒	
F.5d	Shrubs: 5 gallon container	☐	☐	☒	
F.5e	Vines and Perennials: 1 gallon container	☐	☐	☒	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
F.6	Boulevard trees will be installed by the City Forester at City expense if the developer attends City tree school. If the developer installs boulevard trees they shall conform to City street standards. A complete list of trees and shrubs and other reliable plant material that has been approved by the City Forester is available in the City Planning and Development Department.	☐	☐	☒	
F.7	Existing healthy trees should be preserved to the greatest extent practicable and shall be indicated on grading and landscape plans submitted for plan review; however, invasive trees shall be removed. Existing damaged, decayed, or diseased trees should be removed to protect remaining trees. Construction near existing trees should follow Best Management Practices to ensure their survival.	☒	☐	☐	See site plan
F.8	Landscaping should reinforce pedestrian circulation routes and obstruct undesired routes of convenience. Bushes, trees, rocks, and other landscape features should be used to indicate where pedestrians should and should not travel.	☐	☐	☒	
F.9a	Provide a five (5) to six (6) foot high solid screen to separate parking lots from abutting residential uses or other non-compatible uses. A solid landscape screen is defined as an evergreen or nearly evergreen mixture (minimum of 65% evergreen) of shrubs, bushes, or trees that produce a dense, sight-obscuring screen at least five (5) to six (6) feet in height within three years of planting. Berms may be included in this definition as long as the maximum height of the berm is five feet; both sides of the berm are planted with evergreen or nearly evergreen shrubs or bushes so that the total height of landscaping and berm will be at least six feet within three years of planting; and top of the berm plantings form a dense, sight-obscuring screen within the same three-year period.	☐	☐	☒	
F.9b	Provide a minimum three (3) foot high visual relief screen when adjacent to a street in the form of a hedge, fence, planter, berm, dividers, shrubbery and trees or any combination. The visual relief screen shall extend the length of the parking lot. Three (3) feet in height shall be measured from surface of the parking lot and may be negotiable depending on the elevation of the parking lot in relation to the sidewalk and/or street. All landscaping to form such a visual relief shall be a minimum height of 2 feet at time of planting. Bark or other loose material shall not be placed on berms in these areas since it may be displaced on the street or sidewalk.	☐	☐	☒	
F.10a	The property owner shall be responsible for maintenance and replacement of trees, shrubs, grass, ground covers, loose bark or gravel, and sod which are part of the approved landscape plan. If any such plant materials are not maintained or replaced, the City may utilize the required surety to replace the newly planted or protected landscaping or to deem this to be a Municipal Code Violation and issue an Order to Correct.	☐	☐	☒	
F.10b	The owner is responsible for keeping trees in a plumb position. When staking or securing trees is done, it shall occur so as not to create any hazards or unsightly obstacles.	☐	☐	☒	
F.10c	Plants must be maintained to be kept in sound, healthy and vigorous growing conditions and free of disease, insect eggs and larvae.	☐	☐	☒	
F.10d	A sprinkler or lawn irrigation system shall be required in the front yard and boulevard of all developments if lawn or sod is proposed. This standard does not apply to boulevards if sprinkler or lawn irrigation systems are not needed for the front yard.	☐	☐	☒	
WALLS AND FENCES					
G.2	Walls and fences located in the front yard setback shall not exceed six feet in height above the finished grade and shall be at least 50% transparent to retain the visual connection between street and building.	☐	☐	☒	Existing to remain

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
G.3	The design and materials for walls and fences shall be coordinated with the design and materials of the principal buildings and should have substantially the same detail. This is not intended to require identical materials and design.	☐	☐	☒	Existing to remain
G.3a	Pressure treated lumber fences shall not be permitted unless stained or painted.	☐	☐	☒	none
G.3b	All chain link fences must be plastic coated and shall only be permitted in side yards and backyard, and shall not extend nearer to the street than the front of the building nor used in the side yard on a corner property.	☐	☐	☒	Existing to remain
G.3c	Smooth faced concrete (CMV) blocks or non-architectural poured walls used to construct a wall shall be covered with brick or some other decorative block or dimensional material such as a stained block product. Painted or colored smooth-faced concrete bricks or blocks shall not be considered decorative block.	☒	☐	☐	
G.4	Walls and fences shall provide variety and articulation at each end and at intervals not exceeding 25 feet through at least one of the following methods: Changes in plane of not less than one (1) foot; Expression of structure, such as post, column, or pilaster; Variation of material; or Landscaping	☒	☐	☐	
	STORMWATER INFILTRATION AND CONTROL				
H.2	A stormwater management and erosion control plan shall be required for all new construction, shall be coordinated with the Landscaping and Open Space Plan, and shall be designed by either a Registered Architect, Landscape Architect or a Professional Civil Engineer in accordance with the City of La Crosse's Stormwater Management Ordinance and shall include a maintenance plan and agreement.	☒	☐	☐	See plan
H.2a	Until such time as the City adopts a stormwater management ordinance, the City shall use the La Crosse County Stormwater Management Ordinance.	☒	☐	☐	
H.2b	For parcels less than ¼ acre in size, the City shall work with the property owner/developer/applicant to develop a practical site-specific stormwater management plan that allows for flexibility in the use of stormwater treatment devices including rain barrels, rain gardens, swales, cisterns, drain tiles, soil amendments, porous pavements, grass pavers for overflow parking areas, etc.	☒	☐	☐	
H.3	The use of bio-cells, living roofs and rain gardens is encouraged due to their aesthetic as well as utilitarian benefits.	☐	☒	☐	
H.4	Newly concentrated stormwater, such as that from rooftop, impervious surface, or swales, shall not be directed onto or across adjacent properties or across sidewalks. Rooftop stormwater shall not be discharged within 5 feet of a sidewalk unless an intervening landscape element is used to promote infiltration, such as a rain garden.	☒	☐	☐	
H.5	Stormwater detention and infiltration facilities shall be designed as visual and open space amenities that enhance the overall appearance of the site.	☒	☐	☐	
	EXTERIOR LIGHTING				
I.2	All exterior lights shall be designed for commercial use. A lighting plan showing lighting levels on-site and at the property line as well as spec sheets with pictures must be submitted with the Design Standards Checklist for each exterior light to be used.	☒	☐	☐	
I.3	Pedestrian lighting shall clearly indicate the path of travel, shall minimize dark spots along that path, and shall utilize coordinated light fixtures.	☒	☐	☐	Existing lighting to remain. Additional lighting added
I.4	The maximum height of wall-mounted parking lot light fixtures shall be 16 feet above the ground. Pole-mounted fixtures are acceptable but not required and will have a maximum height of 30 feet from the ground to the top of the fixture. Fixtures shall be of full-cut-off (FCO) design to minimize glare and spillover.	☒	☐	☐	

DESIGN REVIEW CHECKLIST

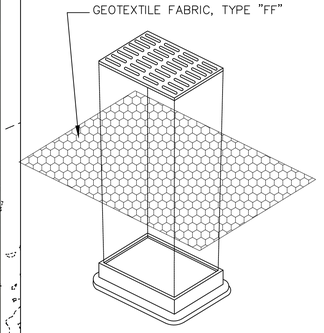
		YES	NO	N/A	NOTES
I.5	Ornamental lighting to light the building façade is permitted provided that the light source is not visible from the property line and is designed to minimize glare and spillover.	☐	☐	☒	None
I.6	No overhead light source (i.e., the lamp or reflector) shall be visible from the property line. Shields may be employed, if necessary, to meet this requirement. The maximum allowable luminance measured 25 feet beyond the property line shall be .05 horizontal foot-candles (HFC).	☒	☐	☐	
I.7	Lighting levels for parking lots and pedestrian routes: (horizontal luminance measured in foot-candles):	☒	☐	☐	
I.7a	Average: 2.4 foot-candles	☒	☐	☐	
I.7b	Minimum: 1.0 foot-candles	☒	☐	☐	
I.7c	Uniformity Ratio (Bright spots to dark spots): 4:1	☒	☐	☐	
I.7d	Maximum Average: .5 foot-candles	☒	☐	☐	
I.8	Each exterior entry to structures on the property shall have an exterior light.	☒	☐	☐	
I.9	For properties adjacent to residential uses, motion sensor flood or spot lights shall have shrouds, be limited to two (2) bulbs pointed at least thirty degrees downward and not directly into windows or doors of neighboring building and the light sources shall not be visible from the street.	☐	☐	☒	
	PATIOS, PORCHES, DECKS, AND ROOFTOP GARDENS/DECKS				
J.2	Every residential unit is encouraged to have its own patio or balcony and shall be incorporated into the architectural façade of the building and may encroach into the building setback area but not more than 25%. Commercial structures are also permitted to have exterior balconies. No patio or balcony can hang over a sidewalk.	☐	☐	☒	
J.3	For commercial developments, ground level patios or decks for customer seating are permitted in the setback areas and should include some screening for noise.	☐	☐	☒	
J.4	Exterior stairs leading to a deck or balcony are permitted provided that they are decorative and are architecturally compatible with the building and constructed of compatible materials. Exterior corridors visible from a street are not permitted.	☐	☐	☒	
J.5	Rooftop green roofs or rooftop patios and decks are permitted and if intended for occupied use shall have a railing height or parapet of at least 42 inches. Only outdoor furniture is permitted.	☐	☐	☒	
	BUILDING DESIGN: FORM, SCALE AND CONTEXT				
K.2	Photos of at least four (4) street views of nearby blocks shall be submitted with the Design Standards checklist.	☒	☐	☐	
K.3	Buildings shall be designed to provide human scale, interest, and variety. The following techniques may be used to meet this objective:	☒	☐	☐	
K.3a	Variation in the building form such as recessed or projecting bays, shifts in massing, or distinct roof shapes.	☐	☒	☐	
K.3b	Emphasis of building entries through projecting or recessed forms, detail, color, or materials.	☒	☐	☐	
K.3c	Variation of material, modules, expressed joints and details, surface relief, color, and texture to break up large building forms and wall surfaces. Such detailing could include sills, headers, belt courses, reveals, pilasters, window bays, and similar features.	☒	☐	☐	
K.4	For all non-manufacturing or retail buildings, where the allowable building is more than 50% wider than adjacent buildings, one of the following techniques shall be employed to minimize the apparent width of the primary façade:	☐	☒	☐	
K.4a	Articulate the façade with projections or bays.	☐	☒	☐	
K.4b	Use architectural elements such as column, canopies, glass, changes in materials, and covered entries to interrupt the façade.	☐	☒	☐	

DESIGN REVIEW CHECKLIST

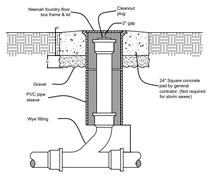
		YES	NO	N/A	NOTES
K.5	The first floor façade shall include windows to provide visual interest and visual connection to the street. The total area of windows and doors on the street-facing façade, including trim, shall not be less than 20% of the total area of the façade, excluding gables.	☐	☒	☐	
K.6	Buildings shall be built to the front yard setback line. In highway commercial areas, the building setback shall not be greater than 25 feet and no parking is permitted in the front yard setback area.	☐	☐	☒	
K.7	Commercial buildings within Historic Districts or adjacent to any designated historic building must first receive DRC review and approval prior to submittal to the Heritage Preservation Commission for their review. Approval by the Heritage Preservation Commission is necessary prior to the issuance of any building permit. The developer can appeal to the City Plan commission if denied by the Heritage Preservation Commission.	☐	☐	☒	
	BUILDING ENTRANCES, DETAILS, TRIM, DOORS AND WINDOWS				
L.2	The primary entrance to the building shall be covered at least three (3) feet from the door. Entrance features may encroach into the front yard setback a maximum of three (3) feet. Building entrances shall be emphasized through projecting or recessing forms, detail, color or materials. Buildings shall be oriented toward the street with pedestrian access.	☐	☒	☐	
L.3	All openings shall be articulated or appropriately trimmed through the use of materials such as flat or arched lintels, projecting sills, or surrounds.	☒	☐	☐	
L.4a	All windows shall be in keeping with the architectural character of the building.	☒	☐	☐	
L.4b	All windows shall have an interior locking or securing mechanism.	☐	☐	☒	Windows not operable
L.4c	For mixed used developments that include residential units, exterior entry doors for individual units shall be residential in style (real or decorative styles, rails or panels) solid or insulated or multiple units may be commercial in style (glass). If the door does not have a translucent window lower than five (5) feet, it shall have a security peephole.	☐	☐	☒	
	ROOFS AND ROOF LINES				
M.2	Any roof style such as hip, gambrel, mansard, colonial, flat or another roof style is permitted so long as the roof pitch is appropriate to the architectural style of the building (e.g. prairie school) and the roof element contains additional architectural elements such as dormers, long overhangs, windows or other feature.	☒	☐	☐	
M.3	Flat roofs are permitted, and must incorporate a parapet wall on all sides, unless the rear side of the building is sloped for drainage. The parapet should include architectural details appropriate to the building design that create a positive visual termination for the building (a "top").	☒	☐	☐	
M.4	A minimum of 50% of a building's linear roof drip edge should fall to ground surfaces that do not contain impervious surface. If gutters or other stormwater drains toward neighboring properties, then water shall be directed to an onsite rain garden(s) designed to retain a 0.5 inch-1hr rainfall. For information regarding directing clean roof water to rain gardens, the Wisconsin DNR and UW-Extension have extensive publications on the proper calculation for the size and planting materials for rain gardens in Wisconsin.	☒	☐	☐	
	EXTERIOR MATERIALS				
N.2	The use of identical materials on all sides of the building is encouraged; however; higher-quality materials on street-facing façade and complementary materials on other façade is acceptable.	☒	☐	☐	
N.3	Use of decorative accessories and trim is highly encouraged.	☒	☐	☐	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
N.4	Vinyl, plywood, chipboard, T1-11, asphalt siding, non-architectural metal siding and smooth-faced concrete block are prohibited as exterior finish materials unless the architect can demonstrate that the materials are appropriate to the design of the building. Treated wood shall be painted or stained.	☐	☐	☒	
N.5	Natural wood shall be painted or stained, unless it is cedar, redwood or some other naturally weather resistant species and is intended to be exposed.	☐	☐	☒	
N.6a	Since the selection of building colors has a significant aesthetic and visual impact upon the public and neighboring properties, as well as an impact on the energy use and comfort of customers and tenants, designs and color shall be selected in general harmony with the overall existing neighborhood.	☒	☐	☐	
N.6b	Neutral or natural colors for the primary siding material with brighter or darker colors for accent and trim that provide for a more interesting building and are cooler in the summer are preferred.	☐	☐	☒	
N.6c	Complementary multi-color and textured roofing materials that provide for a more interesting building and are cooler in the summer are preferred.	☐	☐	☒	
	GARAGES AND ACCESSORY BUILDINGS				
O.2	Street-facing overhead doors on garages are not permitted on lots served by an alley.	☐	☐	☒	
O.3	The cumulative length of all garage doors facing the street shall not exceed 50% of the total length of the street-facing elevation unless architecturally justified.	☒	☐	☐	
O.4	Accessory buildings shall be architecturally compatible and be constructed of the same materials as the primary building(s). All changes to the approved plans such as the addition of an accessory structure shall be approved by the Design Review Committee if not submitted at the time of initial review.	☐	☐	☒	
	BUILDING CONSTRUCTION				
P.2	A completed LEED checklist must be submitted with the Design Standards checklist to demonstrate compliance with the standard.	☐	☐	☒	
	BUILDING, PROPERTY AND LANDSCAPING MAINTENANCE				
Q.2	All commercial structures and buildings that are developed and constructed under this ordinance shall maintain the property through an ongoing maintenance program. The maintenance program is to include all exterior aspects of the development and include but is not limited to parking lots, building mechanicals, service elements, customer and tenant amenities, landscaping open space and plantings, wall and fences, signage, stormwater facilities, exterior lighting, patios and decks, exterior finishes, windows, architectural detail, and accessory structures.	☒	☐	☐	
Q.3	The project shall be maintained over the life of the development in a like-new condition with an on-going maintenance program that adheres to the intent of the original building plans and is subject to inspection by the City at anytime. Failure to maintain the project may subject the property to fines as permitted under this Chapter and the City of La Crosse Stormwater Management Ordinance. (#4513-7/9/09)	☒	☐	☐	



INLET PROTECTION, TYPE B
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



OUTDOOR CLEANOUT

GENERAL NOTES – EROSION CONTROL

1.0 STANDARDS:

1.1 ALL WORK SHALL MEET THE STANDARDS OUTLINED IN WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) CONSTRUCTION SITE EROSION AND SEDIMENT TECHNICAL STANDARDS AND THE LOCAL MUNICIPALITIES SOIL EROSION CONTROL ORDINANCE FOR BOTH PERFORMANCES AND IMPLEMENTATION.

1.2 ADDITIONAL EROSION CONTROL FACILITIES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS.

1.3 SEDIMENT CONTROL STRUCTURES BELOW EXCAVATED AREAS MAY BE REMOVED ONCE VEGETATION HAS BEEN ESTABLISHED IN UPHILL AREAS. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION.

1.4 SEDIMENT DEPOSITED IN ROAD DITCHES ADJACENT TO THIS SITE AS A RESULT OF THIS WORK SHALL BE REMOVED AS NECESSARY TO MAINTAIN EXISTING GRADES AND ELEVATIONS. VEGETATION SHALL BE ESTABLISHED WHEN SEDIMENT REMOVAL DESTROYS THE EXISTING VEGETATION. THE ESTABLISHMENT OF VEGETATION SHALL BE IN THE SAME MANNER AS SPECIFIED FOR SEEDING SPECIFIED ELSEWHERE ON THIS PLAN.

1.5 SILT FENCE SHALL BE PLACED DOWN SLOPE OF ALL SOIL STOCK PILES DURING CONSTRUCTION IF LEFT MORE THAN SEVEN DAYS. STOCK PILES SHALL BE SEEDED AND MULCHED IF LEFT FOR MORE THAN 14 DAYS. SILT FENCE SHALL BE INSTALLED TO CONFORM WITH WDNR TECHNICAL STANDARD 1056.

2.0 EXECUTION:

2.1 ALL DISTURBED AREAS SHALL HAVE TOPSOIL APPLIED, AND BE SEEDED, MULCHED, AND FERTILIZED WITHIN 7 DAYS OF FINAL DISTURBANCE.

2.2 SEED SHALL BE PLANTED IN A MANNER THAT ALLOWS THE SEED TO BE WORKED INTO THE SOIL AND COME IN FIRM CONTACT WITH THE SOIL. SEEDING AND MULCHING SHALL BE ACCOMPLISHED USING THE FOLLOWING MATERIALS AND METHODS:

2.21 4" OF TOPSOIL SHALL BE PLACED ON ALL AREAS WITHIN THE PROJECT LIMITS EXCEPT WHERE ANOTHER SURFACE TREATMENT IS SPECIFIED.

2.22 EROSION MAT SHALL BE USED IN PLACE OF MULCH WHERE SPECIFIED. EROSION MAT SHALL BE INSTALLED TO CONFORM WITH WDNR TECHNICAL STANDARD 1052.

2.23 SEED MIX SHALL BE HIGHWAY MIX AND APPLIED AT A RATE OF 120 lbs/ACRE.

2.24 MULCHING WITH STRAW SHALL CONSIST OF EVENLY SPREADING (3) 40 lb. BALES OF CLEAN WHEAT OR OAT STRAW PER 1000 S.F. OF DISTURBED AREA COVERED. CRIMPING MULCH WITH DOZER TRACKS SHALL BE DONE PERPENDICULAR TO THE SLOPE.

2.3 A TEMPORARY BERM OR CHANNEL SHALL BE CONSTRUCTED ACROSS THE SLOPE TO COLLECT AND DIVERT RUNOFF FROM ENTERING OR EXITING DISTURBED AREAS. CONSTRUCTION SITE DIVERSION SHALL CONFORM WITH WDNR TECHNICAL STANDARD 1066.

2.4 A STONE TRACKING PAD SHALL BE PROVIDED AT EACH CONSTRUCTION ACCESS POINT. STONE TRACKING PAD SHALL CONFORM WITH WDNR TECHNICAL STANDARD 1057.

3.0 MAINTENANCE:

3.1 MAINTENANCE OF ALL INSTALLED EROSION AND SEDIMENT CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE OWNER. HOWEVER, THE INSTALLER SHALL PERFORM REQUIRED MAINTENANCE AT THE DIRECTION OF THE OWNER.

3.2 INSPECTING ALL EROSION AND SEDIMENT CONTROL DEVICES WEEKLY AND WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR GREATER.

3.3 FINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL BE RESTORED WITHIN SEVEN DAYS OF THE DAMAGE.

3.4 UNFINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL BE RESTORED WITHIN SEVEN DAYS OF THE DAMAGE.

3.5 STONE TRACKING CONTROL APRON SHALL BE REMOVED AND REPLACED WHEN VOIDS BECOME FILLED WITH SEDIMENT OR IF SURFACE OPENINGS BECOME PLUGGED SO THAT THE APRON DOES NOT FUNCTION.

3.6 SILT FENCES SHALL BE MAINTAINED IN A FUNCTIONING MANNER. FENCES SHALL NOT BE ALLOWED TO SAG, FALL DOWN, OR BECOME FILLED WITH SILT ON THE BACK SIDE. IF SILT BUILDS UP BEING A SILT FENCE IT SHALL BE REMOVED IMMEDIATELY. UNDER NO CIRCUMSTANCE SHALL SILT DEPOSITS BE ALLOWED TO REACH MORE THAN HALF THE HEIGHT OF THE FENCE. SILT FENCE SHALL BE INSTALLED TO CONFORM WITH WDNR TECHNICAL STANDARD 1056.

4.0 REMOVING CONTROL MEASURES:

4.1 SEDIMENT CONTROL STRUCTURES BELOW SODDED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING IS IN PLACE. SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. CONTRACTOR SHALL REMOVE CONTROL MEASURES WHEN THE SITE HAS ESTABLISHED A VEGETATION COVER OR WHEN DIRECTED TO DO SO BY THE OWNER.

GRADING NOTES

– The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities.
CALL DIGGERS HOTLINE (800)–242–8511.

– There may be more underground utility installations within the project area that are not shown.

– It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.

– Contours shown are for finished surfaces, any adjustment to subgrade is the contractor's responsibility.

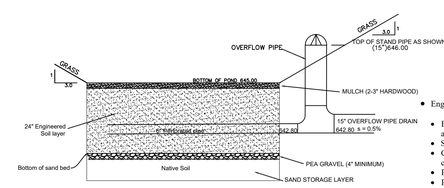
– All disturbed areas that unpaved are to be landscaped or sodded.

– Spot elevations shall take precedence over contours and slopes shown. However, the contractor shall notify the Engineer if spot elevations do not appear to agree with the contours and slopes labeled. Spot elevations and specific profile information shall be used for establishing the elevation of curbs, driveways, and other utilities.

– All finished grading shall provide for a smooth transition to ungraded areas.

BUILDING AND WASTE MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER AND SHALL BE PROHIBITED FROM BEING CARRIED BY RUNOFF INTO RECEIVING CHANNEL.

TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.

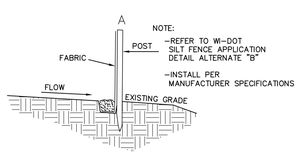


BIORETENTION DEVICE
CROSS–SECTION ACROSS WIDTH OF DEVICE

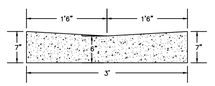
CROSS–SECTION ACROSS LENGTH OF DEVICE

EAST RISER DETAIL
NO SCALE

- Engineered soil:
  - Engineered soil shall be a homogeneous composition that is 75% sand and 25% compost meeting the following material requirements.
  - Sand: Fine aggregate concrete sand meeting ASTM C33.
  - Compost: Aerobically decay organic waste meeting the following criteria;
  - Particle Size-90% of the compost shall pass through a 0.75-inch screen.
  - Physical Contaminants - Less than 1% combined glass, metal and plastic.
  - Organic Matter/Ash Content - At least 40% organic matter; less than 60% ash content
  - Carbon to Nitrogen Ratio - 10-20:1 C:N ratio
  - pH - Between 6 and 8.
  - Soluble Salts - Electrical conductivity below 10 dsS m (mmhos cm -1)
  - Moisture content - Between 35% and 50% by weight
  - Maturity - The compost shall be resistant to further decomposition and free of compounds, such as ammonia and organic acids, in concentrations toxic to plant growth.
  - Seeds & Pathogens and noxious seeds shall be minimized.



TYPICAL SILT FENCE INSTALLATION
NO SCALE



CONCRETE GUTTER
SCALE 3"=1'

LEGEND

- CHAINLINK FENCE
- PROPOSED SILT FENCE
- UNDERGROUND GAS MAIN
- WATERMAIN
- STORM SEWER
- SANITARY SEWER
- SANITARY MANHOLE
- STORM MANHOLE
- WATER MANHOLE
- POWER POLE
- FIRE HYDRANT
- CURB AND GUTTER
- CONCRETE
- EXISTING STRUCTURE
- STORM INLET
- PROPOSED ASPHALT

BEARING REFERENCE IS WISCONSIN STATE PLANE COORDINATE SYSTEM

SCALE
1" = 30'
0 15 30

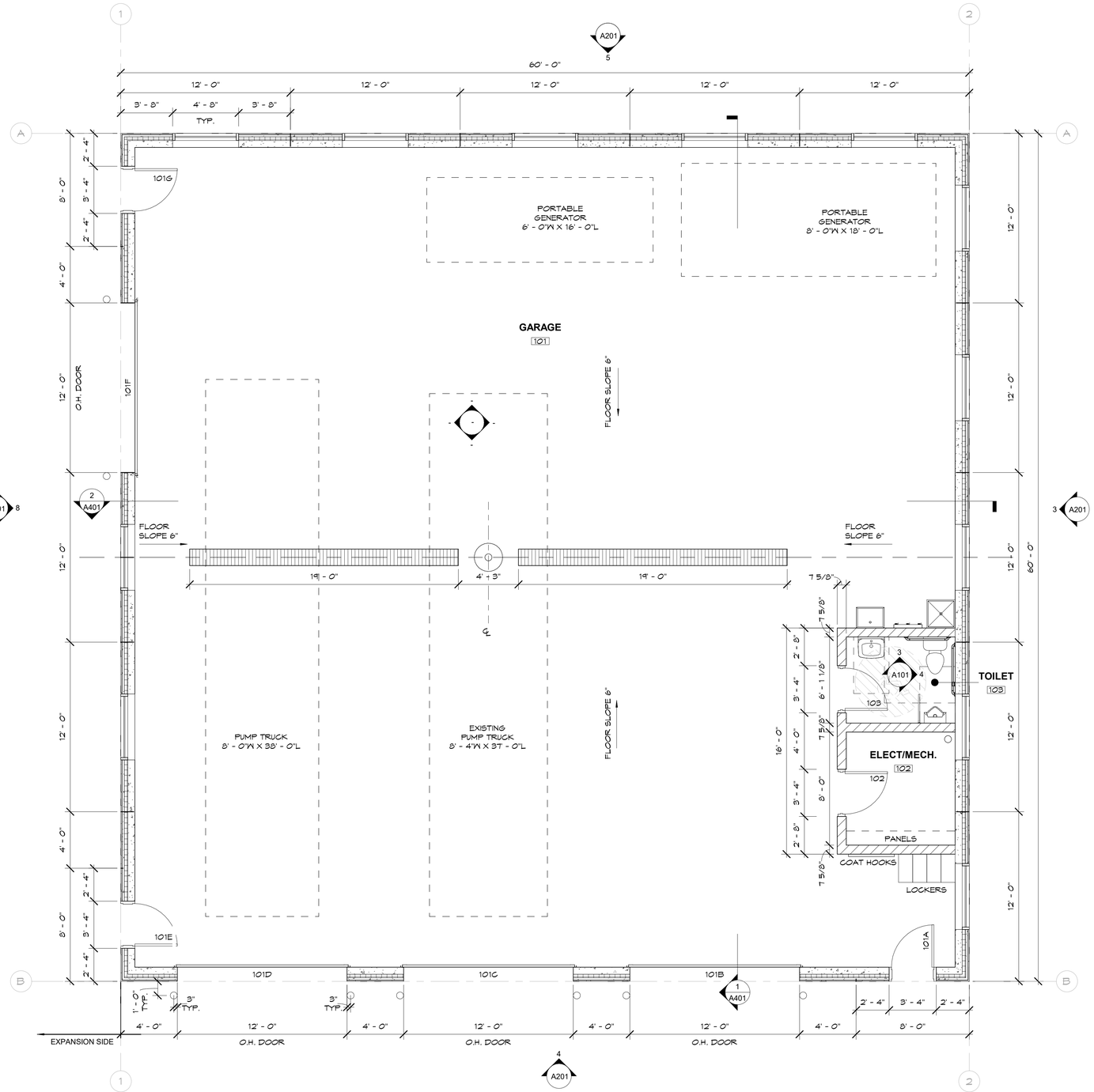
LA CROSSE
ENGINEERING & SURVEYING CO., INC.
1910 State Road 35 S., La Crosse, WI 54601
Office: (608)782–3433 Fax: (608)782–3462
www.lacrosseengineering.com

WATER UTILITY VEHICLE BUILDING
CITY OF LA CROSSE
GRADING & EROSION CONTROL PLAN

DATE: 05/14/19
FILE: Pumphouse_grad
DRAWN BY: FJH

City Design Review

C-2



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

NORTH

GENERAL NOTES

A. REFER TO A101 FOR WALL TYPES AND TYPICAL MOUNTING HEIGHTS.

B. PITCH ALL CONCRETE STOOPS 1/4" PER FOOT AWAY FROM BUILDING.

C. DIMENSIONS ARE FROM FACE OF MASONRY/ CONCRETE UNLESS INDICATED OTHERWISE.

D. HOUSEKEEPING AND EQUIPMENT PADS BY GENERAL CONTRACTOR. SEE PLUMBING, HVAC & ELECTRICAL DRAWINGS FOR LOCATIONS.

E. SEE STRUCTURAL DRAWINGS FOR MASONRY WALL BRACING DETAILS.

F. ALL FLOOR DRAINS TO BE SET 1" BELOW FINISHED FLOOR ELEVATION. SLOPE SLAB TO DRAINS AS INDICATED.

SYMBOL LEGEND

- MASONRY WALL. SEE WALL TYPES.
- (A) — WALL TYPE LABEL. REFER TO A001.
- SF-1 — ALUMINUM STOREFRONT FRAMING LABEL
- (1) — KEYNOTE LABEL. REFER TO KEYNOTES THIS SHEET.
- FEC — FEC- FIRE EXTINGUISHER CABINET. SEE DETAIL. (- / ---)
- (2 / G001) — VIEW NUMBER / CALL-OUT REFERENCE / SHEET NUMBER
- (A) — NEW GRID LINE

KEY NOTES

MARK	DESCRIPTION
1	---
2	---
3	---
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

(A) WALL TYPE — INSULATED PRECAST CONCRETE PANEL

(B) WALL TYPE — SINGLE WYTHE CMU

2 WALL TYPES
1 1/2" = 1'-0"

3 EAST TOILET ELEV.
3/8" = 1'-0"

4 SOUTH TOILET ELEV.
3/8" = 1'-0"

VANTAGE ARCHITECTS INC
750 N. Third Street La Crosse, WI WI
Phone (608) 784-2729 Fax (608) 784-2826

PROJECT TITLE:
La Crosse Water Utility Vehicle Garage

PROJECT LOCATION:
800 East Ave North
La Crosse, WI 54601

PROJECT NO:
19129

DRAWING DATE:
5.17.19

DRAWN BY:
JW

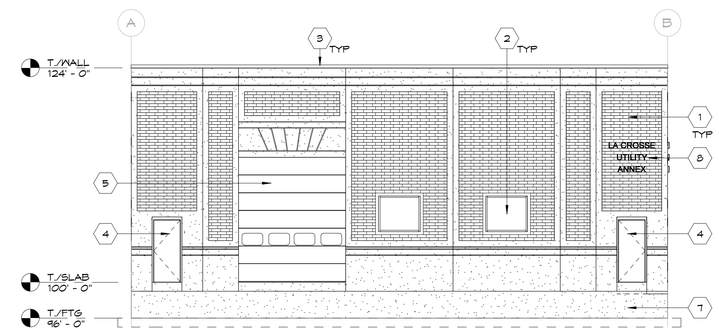
SET TYPE:
City Design Review

REVISIONS
NO. | DATE

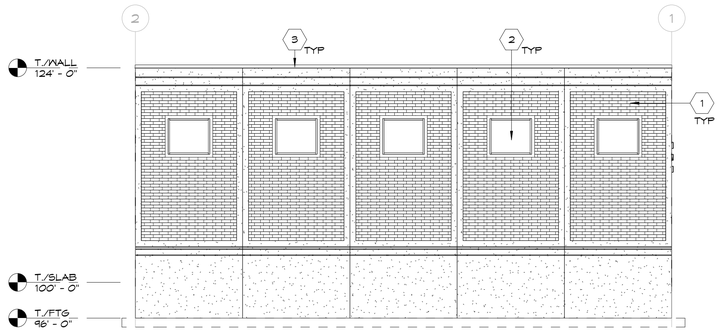
SHEET TITLE
Floor Plan, Wall Types, Interior Elevations

SHEET NO.
A101

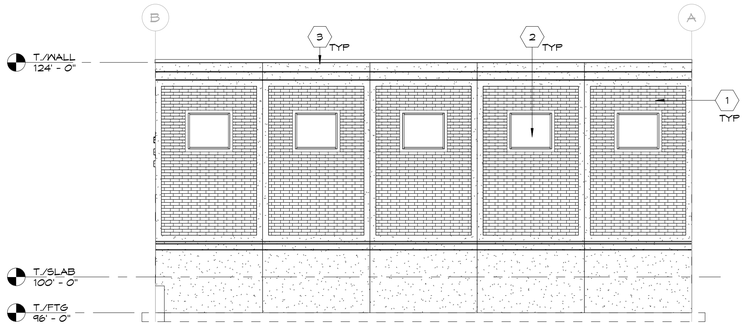
Scale: As indicated



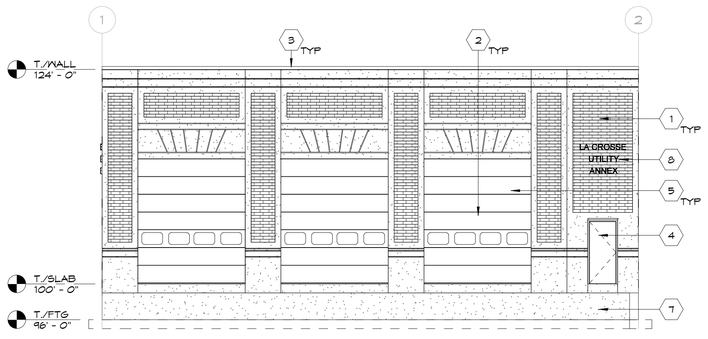
1 **NORTH ELEVATION**
1/8" = 1'-0"



2 **EAST ELEVATION**
1/8" = 1'-0"



3 **SOUTH ELEVATION**
1/8" = 1'-0"



4 **WEST ELEVATION**
1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

A. FOUNDATION WALLS AND FOOTINGS SHOWN DASHED ARE INDICATED FOR REFERENCE ONLY. SEE STRUCTURAL PLANS FOR DEPTH AND SIZE OF FOOTINGS AND LOCATIONS WHERE FOOTINGS AND FOUNDATIONS STEP.

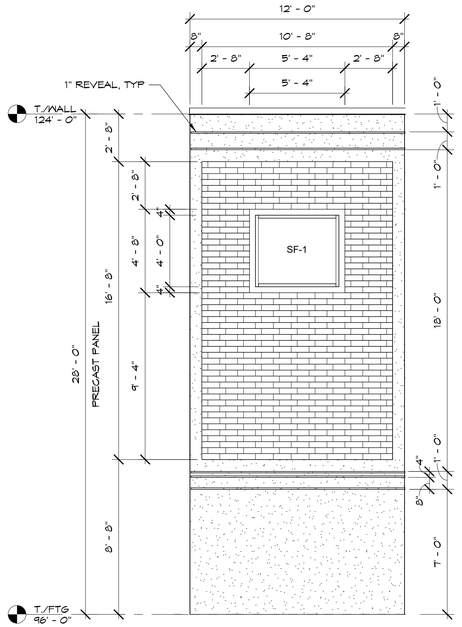
B. SEE FLOOR PLAN FOR WINDOW TYPES.

C. CONTROL JOINT SEALANT TO MATCH VENEER COLOR.

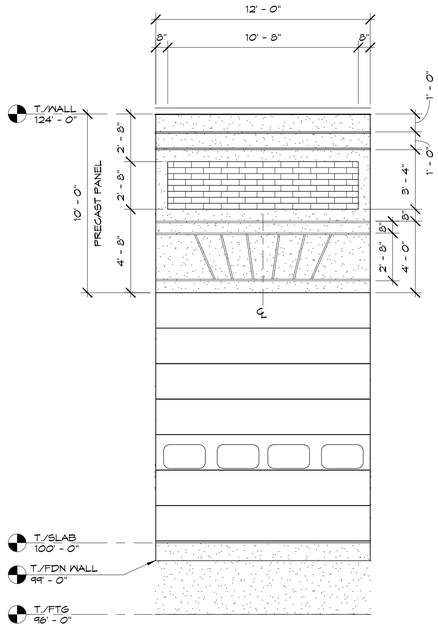
EXTERIOR ELEVATION KEY NOTES

MARK	DESCRIPTION
1	PRECAST CONCRETE WALL PANELS.
2	ANODIZED ALUMINUM STOREFRONT FRAMING W/INSULATED GLAZING.
3	PREFINISHED GALVANIZED METAL PARAPET CAP.
4	HOLLOW METAL DOOR & FRAME, PAINTED. SEE DOOR SCHEDULE.
5	OVERHEAD DOOR, SEE DOOR SCHEDULE.
6	OVERFLOOR SCUPPER, SEE ROOF PLAN.
7	POURED IN PLACE CONC. FOOTING AND FOUNDATION, REFER TO STRUCT.
8	BUILDING SIGNAGE BY OWNER.
9	
10	

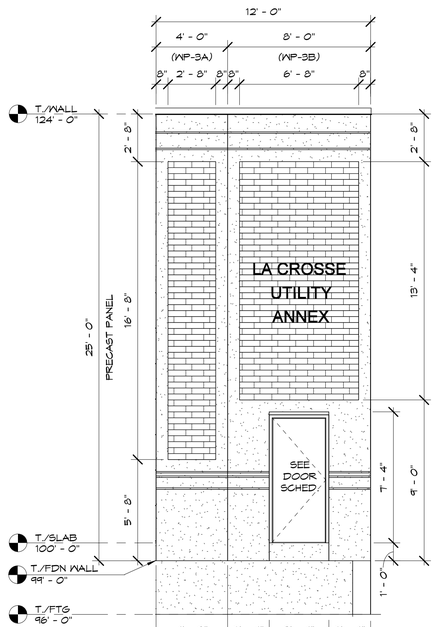
BRICK COLOR WILL BE SELECTED TO MATCH EXISTING BUILDING AS CLOSE AS POSSIBLE



5 **WALL PANEL ELEV. (WP-1)**
1/4" = 1'-0"

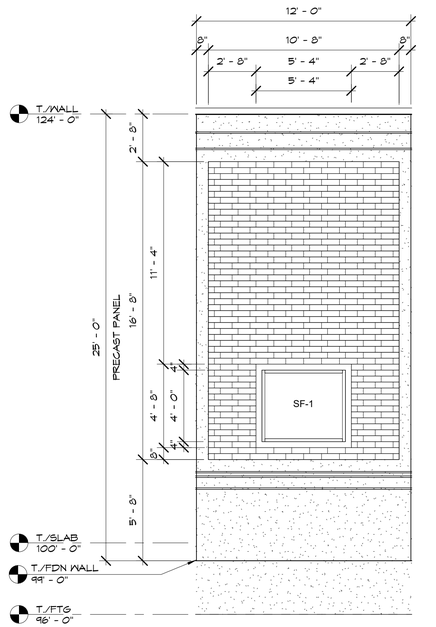


6 **WALL PANEL ELEV. (WP-2)**
1/4" = 1'-0"



NOTE: REVEALS TO MATCH WP-1

7 **WALL PANEL ELEV. (WP-3 A & B)**
1/4" = 1'-0"



NOTE: REVEALS TO MATCH WP-1

8 **WALL PANEL ELEV. (WP-4)**
1/4" = 1'-0"

VANTAGE ARCHITECTS INC
750 N. Third Street
La Crosse, WI WI
Phone (608) 784-2729
Fax (608) 784-2826
784-2826

PROJECT TITLE:
La Crosse Water Utility Vehicle Garage

PROJECT LOCATION:
800 East Ave North
La Crosse, WI 54601

PROJECT NO:
19129

DRAWING DATE:
5.17.19

DRAWN BY:
JW

SET TYPE:
City Design Review

REVISIONS
NO. | DATE

SHEET TITLE
Exterior Elevations

SHEET NO.
A201

Scale: As indicated

EXISTING LAX UTILITY SITE FROM EAST AVE

ENTRY TO EXISTING SITE OFF EAST AVE

ACROSS EAST AVE TO UWL STORAGE BUILDING

EXISTING LAX UTILITY SITE OVERVIEW FROM NORTH TO SOUTH

SURROUNDING VIEWS & NEIGHBORING BUILDINGS

VANTAGE ARCHITECTS ▼ INC
750 N. Third Street ▼ La Crosse, WI 54601

Project:

La Crosse Water Utility Vehicle Garage

Project Location:
800 East Ave North
La Crosse, WI 54601

Project No:
19129

Date:
05/17/19

Sheet No.
A500

EXISTING COLD STORAGE ON SITE

EXISTING ON SITE STORAGE & MYRICK PARK BARN BEYOND

APPROACHING PROPOSED SITE FOR NEW GARAGE

PROPOSED SITE AT EXISTING RESERVOIR

VIEW TOWARDS MYRICK PARK

OVERALL VIEW OF PROPOSED SITE

SURROUNDING VIEWS & NEIGHBORING BUILDINGS

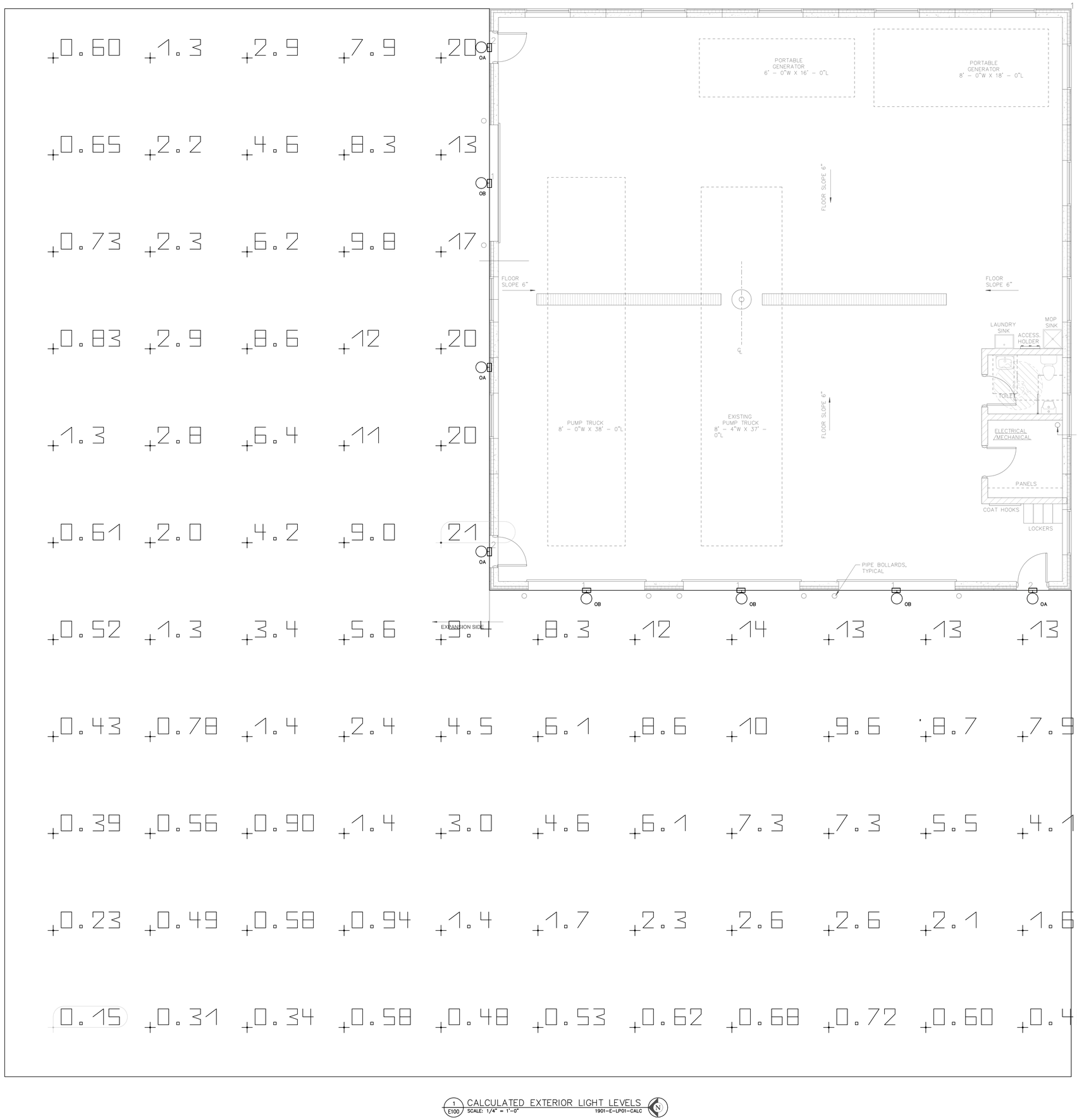
VANTAGE ARCHITECTS ▼ INC
750 N. Third Street ▼ La Crosse, WI 54601

Project:
La Crosse Water Utility Vehicle Garage
Project Location:
800 East Ave North
La Crosse, WI 54601

Project No:
19129

Date:
05/17/19

Sheet No.
A501



1 E100 CALCULATED EXTERIOR LIGHT LEVELS
SCALE: 1/4" = 1'-0"
1901-E-LP01-CALC

VANTAGE ARCHITECTS INC
750 N. Third Street La Crosse, WI
Ph (608) 784-2729 54601 Fax (608) 784-2826

galileo CONSULTING GROUP
2501 EAST AVENUE SOUTH SUITE 112
LA CROSSE, WISCONSIN 54601
PHONE (608) 787-9126 FAX (608) 787-9995
E-MAIL info@galileo-engineering.com

PROJECT TITLE:
La Crosse Water Utility Vehicle Garage

PROJECT LOCATION:
800 East Ave North
La Crosse, WI 54601

PROJECT NO:
1901

DRAWING DATE:
5.17.19

DRAWN BY:
CSP

SET TYPE:
City Design Review

REVISIONS

SHEET TITLE
LIGHTING CALC

SHEET NO.
E100

KAXW
LED Wall Luminaire

Catalog Number: TYPE 'OA' (REFER TO 'P1' BELOW)

Notes:

Type:

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

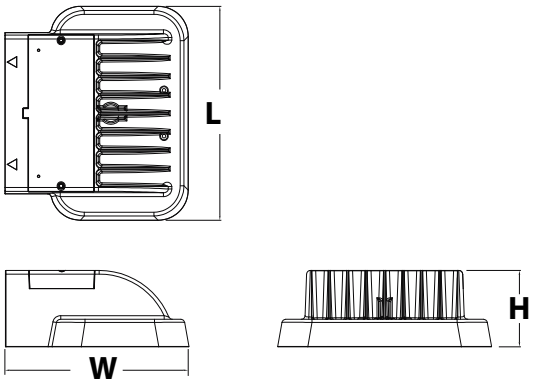
Specifications

Length: 14" (35.6 cm)

Width: 12" (35.6 cm)

Height: 5" (12.7 cm)

Weight (max): 19.7 lbs (8.9 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: KAXW LED P3 40K R3 MVOLT DDBXD

KAXW LED

Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish *(required)*
KAXW LED	P1 P2 P3	30K 3000 K 40K 4000 K 50K 5000 K	R3 Type 3 R4 Type 4	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** (blank) Surface mounting bracket	**Shipped installed** PER NEMA twist-lock receptacle only (controls ordered separate)[3,4] PER5 Five-wire receptacle only (controls ordered separate)[4,5] PER7 Seven-wire receptacle only (controls ordered separate)[4,5] PIR 180° motion/ambient light sensor, <15' mtg ht [6] FAO Field adjustable output[7] PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [6] PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [6] PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [6]	**Shipped installed** SF Single fuse (120, 277 or 347V)[8] DF Double fuse (208, 240 or 480V)[9] HS House-side shield [10] LCE Left Conduit Entry [11] RCE Right Conduit Entry [11] **Shipped separately** BSW Bird-deterrent spikes[10] EGS External glare shield[10]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Not available in the P1 performance package.
3. Not available with ROAM®. See PER5 or PER7 option.
4. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See Accessories information.
5. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
6. Specifies the Sensor Switch MSOD-7-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Must specify 120V or 277V. Requires PER or separate on/off.
7. Not available with PER5 or PER7 options.
8. Must specify 120, 277, or 347V option.
9. Must specify 208, 240, or 480V option.
10. Also available as a separate accessory; see Accessories information.
11. Requires a contractor supplied ½" EMT raintight fitting.
12. Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [12]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [12]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [12]
DSHORT SBK U	Shorting cap
KAXWHS U	House-side shield
KAXWBSW U	Bird-deterrent spikes
KAXWEGS U	External glare shield

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	29W	R3	3,322	1	0	1	115	3,545	1	0	1	122	3,607	1	0	1	124
		R4	3,415	1	0	1	118	3,643	1	0	1	126	3,707	1	0	1	128
P2	49W	R3	5,731	1	0	1	117	6,115	1	0	1	125	6,222	1	0	1	127
		R4	5,891	1	0	1	120	6,285	1	0	1	128	6,396	1	0	1	131
P3	79W	R3	8,852	1	0	1	112	9,445	2	0	2	120	9,611	2	0	2	122
		R4	9,099	2	0	2	115	9,708	2	0	2	123	9,879	2	0	2	125

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).
* Shaded cells include active dynamic temperature sensing.

Ambient	Lumen Multiplier		
	P1	P2	P3
0°C	1.05	1.05	1.05
10°C	1.03	1.03	1.03
20°C	1.01	1.01	1.01
25°C	1	1	1
30°C	0.99	0.99	0.99
40°C	0.97	0.97	0.93
45°C	0.96	0.96	0.84
50°C	0.95	0.95	0.74

Electrical Load

Package		120V	208V	240V	277V	347V	480V
P1	Current (A)	0.24A	0.14A	0.13A	0.11A		
	System Watts	29W	29W	29W	29W		
P2	Current (A)	0.41A	0.24A	0.21A	0.18A	0.14A	0.11A
	System Watts	49W	48W	48W	48W	47W	47W
P3	Current (A)	0.66A	0.38A	0.33A	0.29A	0.23A	0.17A
	System Watts	79W	78W	78W	78W	77W	76W

Projected LED Lumen Maintenance

Operating Hours	25,000	50,000	100,000
Lumen Maintenance Factor	>0.94	>0.89	>0.80

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

PER Table						
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✔	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⃠	✔	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⃠	⚠	Wires Capped inside fixture	⚠	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⃠	⚠	Wired to dimming leads on driver	✔	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⃠	⚠	Wires Capped inside fixture	✔	Wires Capped inside fixture	Wires Capped inside fixture

✔ Recommended
⃠ Will not work
⚠ Alternate

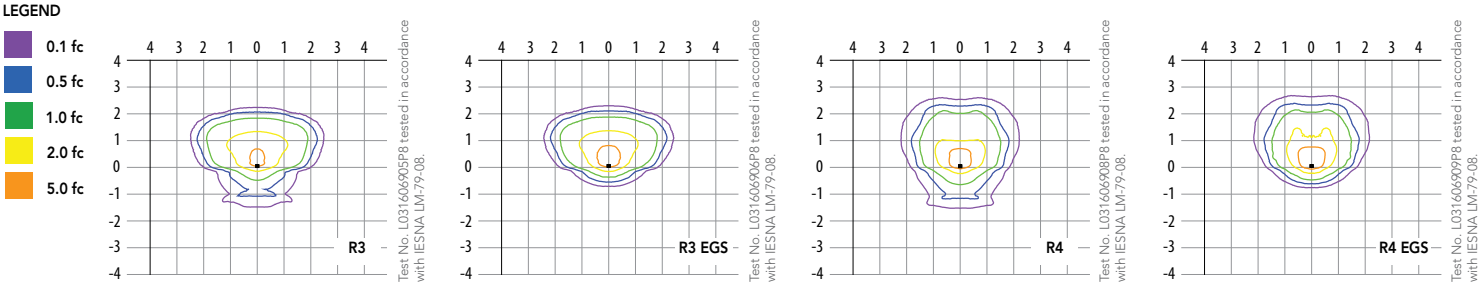
*Future-proof means: Ability to change controls in the future.

Photometric Diagrams

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

Isofootcandle plots for the KAXW LED P3 40K. Distances are in units of mounting height (20').

LEGEND



FEATURES & SPECIFICATIONS

INTENDED USE
This feature-rich luminaire embodies the highest level of functionality with extraordinary efficacy which maximizes your application efficiency providing high levels of light for minimal cost specifically for building-mounted doorway and pathway illumination on nearly any type of facility.

CONSTRUCTION
The die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. This modular design allows for ease of maintenance and future light engine upgrades. The LED driver is installed in a separate compartment to thermally isolate it from the light engines for low operating temperature and long life. The housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K (minimum 70 CRI) configurations. The KAXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to >L80/100,000 hours). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours.

INSTALLATION
Included wall mount plate facilitates a quick and easy installation. Mounting bolts feature a 1000-hour salt fog finish. Optional bi-level motion sensor and NEMA 3, 5 or 7 pin twist lock photocontrol receptacle are also available.

LISTINGS
CSA Listed for wet locations. Light engines and electrical compartment are IP66 rated. Rated for temperatures as low as -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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

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

KAXW
LED Wall Luminaire

Catalog Number: TYPE 'OB' (REFER TO 'P3' BELOW)

Notes:

Type:

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

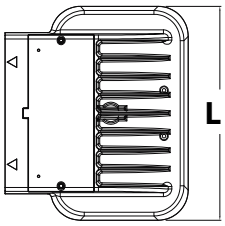
Specifications

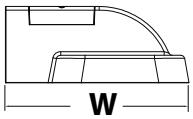
Length: 14" (35.6 cm)

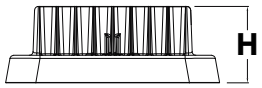
Width: 12" (35.6 cm)

Height: 5" (12.7 cm)

Weight (max): 19.7 lbs (8.9 kg)







A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: KAXW LED P3 40K R3 MVOLT DDBXD

KAXW LED

Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish *(required)*
KAXW LED	P1 P2 P3	30K 3000 K 40K 4000 K 50K 5000 K	R3 Type 3 R4 Type 4	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** (blank) Surface mounting bracket	**Shipped installed** PER NEMA twist-lock receptacle only (controls ordered separate)[3,4] PER5 Five-wire receptacle only (controls ordered separate)[4,5] PER7 Seven-wire receptacle only (controls ordered separate)[4,5] PIR 180° motion/ambient light sensor, <15' mtg ht [6] FAO Field adjustable output[7] PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [6] PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [6] PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [6]	**Shipped installed** SF Single fuse (120, 277 or 347V)[8] DF Double fuse (208, 240 or 480V)[9] HS House-side shield [10] LCE Left Conduit Entry [11] RCE Right Conduit Entry [11] **Shipped separately** BSW Bird-deterrent spikes[10] EGS External glare shield[10]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Not available in the P1 performance package.
3. Not available with ROAM®. See PER5 or PER7 option.
4. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See Accessories information.
5. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
6. Specifies the Sensor Switch MSOD-7-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Must specify 120V or 277V. Requires PER or separate on/off.
7. Not available with PER5 or PER7 options.
8. Must specify 120, 277, or 347V option.
9. Must specify 208, 240, or 480V option.
10. Also available as a separate accessory; see Accessories information.
11. Requires a contractor supplied ½" EMT raintight fitting.
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DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [12]
DSHORT SBK U	Shorting cap
KAXWHS U	House-side shield
KAXWBSW U	Bird-deterrent spikes
KAXWEGS U	External glare shield

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	29W	R3	3,322	1	0	1	115	3,545	1	0	1	122	3,607	1	0	1	124
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Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).
* Shaded cells include active dynamic temperature sensing.

Ambient	Lumen Multiplier		
	P1	P2	P3
0°C	1.05	1.05	1.05
10°C	1.03	1.03	1.03
20°C	1.01	1.01	1.01
25°C	1	1	1
30°C	0.99	0.99	0.99
40°C	0.97	0.97	0.93
45°C	0.96	0.96	0.84
50°C	0.95	0.95	0.74

Electrical Load

Package		120V	208V	240V	277V	347V	480V
P1	Current (A)	0.24A	0.14A	0.13A	0.11A		
	System Watts	29W	29W	29W	29W		
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Operating Hours	25,000	50,000	100,000
Lumen Maintenance Factor	>0.94	>0.89	>0.80

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

PER Table						
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✔	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⃠	✔	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⃠	⚠	Wires Capped inside fixture	⚠	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⃠	⚠	Wired to dimming leads on driver	✔	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⃠	⚠	Wires Capped inside fixture	✔	Wires Capped inside fixture	Wires Capped inside fixture

✔ Recommended
⃠ Will not work
⚠ Alternate

*Future-proof means: Ability to change controls in the future.

Photometric Diagrams

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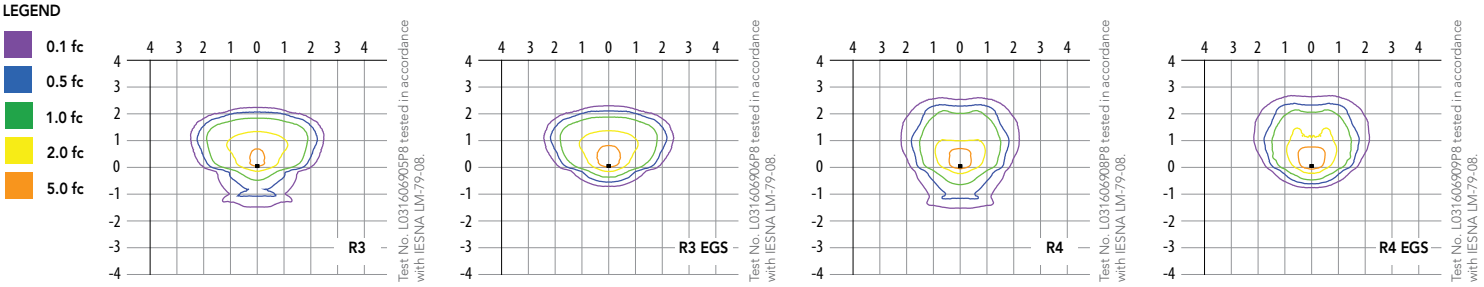
Isofootcandle plots for the KAXW LED P3 40K. Distances are in units of mounting height (20').

LEGEND



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LISTINGS
CSA Listed for wet locations. Light engines and electrical compartment are IP66 rated. Rated for temperatures as low as -40°C minimum ambient.

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