

# HISTORIC AND DESIGN REVIEW COMMISSION

April 15, 2026

**HDRC CASE NO:** 2026-091  
**ADDRESS:** 3406 ROOSEVELT AVE  
**LEGAL DESCRIPTION:** NCB 7676 BLK LOT 7  
**ZONING:** C-2NA CD, H, MOPD  
**CITY COUNCIL DIST.:** 3  
**DISTRICT:** Mission Historic District  
**APPLICANT:** xavier gonzalez/grg architecture  
**OWNER:** Joel Ferdin/JOELS COLLISION REPAIR LLC  
**TYPE OF WORK:** Construction of additions, exterior modifications, fencing, site work, signage  
**APPLICATION RECEIVED:** March 26, 2026  
**60-DAY REVIEW:** May 25, 2026  
**CASE MANAGER:** Edward Hall

## REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to:

1. Install fencing and walls around the property. Wrought iron fencing will be installed along the north and south property lines. A masonry wall will be installed along the west property line, parallel to Woodhull Drive and Roosevelt Avenue, and along a portion of the southern façade, adjacent to a neighboring structure. The proposed wrought iron fencing and masonry walls will replace chain link fencing.
2. Perform exterior modifications to the two existing structures on site including the installation of new façade materials, the construction of entrance canopies, and painting.
3. Enlarge an existing side addition and construct a rear addition to an existing metal building.
4. Install landscaping materials that include the installation of ground cover and shrubbery.
5. Install a wall sign on the front façade of the southern structure.

The applicant has noted the installation of two pylon signs with internally illuminated cabinets. These signs are prohibited by the UDC Section 35-678 and the Historic Design Guidelines, Guidelines for Signage.

## APPLICABLE CITATIONS:

*Historic Design Guidelines, Chapter 3, Guidelines for Additions*

### 1. Massing and Form of Residential Additions

#### A. GENERAL

- i. Minimize visual impact*—Site residential additions at the side or rear of the building whenever possible to minimize views of the addition from the public right-of-way. An addition to the front of a building would be inappropriate.
- ii. Historic context*—Design new residential additions to be in keeping with the existing, historic context of the block. For example, a large, two-story addition on a block comprised of single-story homes would not be appropriate.
- iii. Similar roof form*—Utilize a similar roof pitch, form, overhang, and orientation as the historic structure for additions.
- iv. Transitions between old and new*—Utilize a setback or recessed area and a small change in detailing at the seam of the historic structure and new addition to provide a clear visual distinction between old and new building forms.

#### B. SCALE, MASSING, AND FORM

- i. Subordinate to principal facade*—Design residential additions, including porches and balconies, to be subordinate to the principal façade of the original structure in terms of their scale and mass.
- ii. Rooftop additions*—Limit rooftop additions to rear facades to preserve the historic scale and form of the building from the street level and minimize visibility from the public right-of-way. Full-floor second story additions that obscure the form of the original structure are not appropriate.
- iii. Dormers*—Ensure dormers are compatible in size, scale, proportion, placement, and detail with the style of the house. Locate dormers only on non-primary facades (those not facing the public right-of-way) if not historically found

within the district.

*iv. Footprint*—The building footprint should respond to the size of the lot. An appropriate yard to building ratio should be maintained for consistency within historic districts. Residential additions should not be so large as to double the existing building footprint, regardless of lot size.

*v. Height*—Generally, the height of new additions should be consistent with the height of the existing structure. The maximum height of new additions should be determined by examining the line-of-sight or visibility from the street. Addition height should never be so contrasting as to overwhelm or distract from the existing structure.

### 3. Materials and Textures

#### A. COMPLEMENTARY MATERIALS

*i. Complementary materials*—Use materials that match in type, color, and texture and include an offset or reveal to distinguish the addition from the historic structure whenever possible. Any new materials introduced to the site as a result of an addition must be compatible with the architectural style and materials of the original structure.

*ii. Metal roofs*—Construct new metal roofs in a similar fashion as historic metal roofs. Refer to the Guidelines for Alternations and Maintenance section for additional specifications regarding metal roofs.

*iii. Other roofing materials*—Match original roofs in terms of form and materials. For example, when adding on to a building with a clay tile roof, the addition should have a roof that is clay tile, synthetic clay tile, or a material that appears similar in color and dimension to the existing clay tile.

#### B. INAPPROPRIATE MATERIALS

*i. Imitation or synthetic materials*—Do not use imitation or synthetic materials, such as vinyl siding, brick or simulated stone veneer, plastic, or other materials not compatible with the architectural style and materials of the original structure.

#### C. REUSE OF HISTORIC MATERIALS

*i. Salvage*—Salvage and reuse historic materials, where possible, that will be covered or removed as a result of an addition.

### 4. Architectural Details

#### A. GENERAL

*i. Historic context*—Design additions to reflect their time while respecting the historic context. Consider character defining features and details of the original structure in the design of additions. These architectural details include roof form, porches, porticos, cornices, lintels, arches, quoins, chimneys, projecting bays, and the shapes of window and door openings.

*ii. Architectural details*—Incorporate architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and compliment the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition.

*iii. Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for additions. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the addition is new.

### *Mission Historic District Design Manual, Section 3, Guidelines for New Construction*

### 3. Commercial Construction (Commercial, Institutional, and Multifamily projects consisting of 8 units or more)

#### A. BUILDING ORIENTATION AND SITE DEVELOPMENT

*i. Division of structures* — Multifamily residential or mixed used developments consisting of multiple buildings should be divided, scaled, and arranged in a manner that is respectful of the surrounding context. For instance, sites that are located adjacent to single-family residential areas should incorporate multiple, smaller buildings instead of larger buildings that are out of scale with the surrounding context. A site analysis of the surrounding context should be included in schematic design development. Site constraints or other limitations may be demonstrated and submitted as part of the application to explain the logistical and programmatic requirements for a single structure.

*ii. Site configuration* — Multifamily residential or mixed used developments consisting of multiple buildings should be organized in a campus-like configuration with primary facades that address external views from the public right-of-way as well as create comfortable interior spaces such as courtyards and circulation spaces.

*iii. Building spacing* — Buildings should be arranged to include interstitial spaces between structures that maintain a comfortable pedestrian scale. Single story buildings should be sited to include a minimum separation of 10 feet between buildings. Multi-story buildings should maintain a minimum separation of 50% of the adjacent building heights. For spaces between two buildings of differing heights, 50% of the average of the two heights shall be used.

*iv. Transitions* — Sites that are located adjacent to single-family residential areas or context areas consisting of predominantly singlestory, contributing buildings should utilize transitions in building scale and height along the edge conditions of the site to improve compatibility with the surrounding context. New buildings sited at these edge conditions should not exceed the height of adjacent contributing buildings by more than 40%. The width of the primary, street-facing façade of new buildings should not exceed the width of adjacent contributing buildings by more than 60%.

*v. Setbacks* — In general, new buildings should follow the established pattern of the block in terms of front building setback where there is a strong historic context (adjacent contributing buildings). On corridors where building setbacks vary or are not well-defined by existing contributing buildings, buildings should maintain a minimum front setback of 15' for properties north of SE Military and a maximum front setback of 35' for properties south of SE Military.

*vi. Location of parking areas along corridors* — Rear / side parking is encouraged north of SE Military Drive. Front parking with landscape buffers are encouraged south of SE Military Drive.

*vii. Vehicular access and driveways along corridors* — In general, driveway widths should not exceed 24'. Shared driveways are allowed and can have a maximum width of 30'. Shared driveways are encouraged to incorporate a pedestrian island. In order to accommodate functions requiring access by heavy trucks (Min SU 30), request for driveways wider than what is recommended by the guidelines should be coordinated with TCI for an alternative to be considered by the HDRC.

## B. BUILDING MASS, SCALE AND FORM

*i. Monolithic elements and fenestrations* — Historic masonry construction in the Missions lack numerous voids in the wall plane resulting in a monolithic aesthetic that is appropriate to reference in new construction. Wall planes and fenestration patterns should be organized to yield facades that appear monolithic and enduring while still allowing for visual interest through breaks in scale and pattern. Traditional punched window openings with uniform spacing throughout the building facade is discouraged. Glass curtain walls or uninterrupted expanses of glass may also be grouped and used to create uniform building mass as a contemporary alternative to the historic construction type.

*ii. Maximum facade length* — Notwithstanding the provisions of RIO, commercial structures in the Mission Historic District should not include uninterrupted wall planes of more than 50 feet in length. Building facades may utilize an offset, substantial change in materials, or change in building height in order to articulate individual wall planes.

*iii. Height* — Notwithstanding the provisions of RIO, commercial structures in the Mission Historic District should be a maximum of three stories in height. Sites located within a Mission Protection Overlay District may be subject to more restrictive height regulations. Height variability between buildings within complexes is encouraged. Additional height may be considered on a case by case basis depending on historic structures of comparable height in the immediate vicinity.

## C. ROOF FORM

*i. Primary roof forms* — A flat roof with a parapet wall is recommended as a primary roof form for all commercial buildings. Parapets may vary in height to articulate individual wall planes or programmatic elements such as entrances. Complex roof designs that integrate multiple roof forms and types are strongly discouraged.

*ii. Secondary roof forms* — Secondary roofs should utilize traditional forms such as a hip or gable and should establish a uniform language that is subordinate to the primary roof form. Contemporary shed roofs may be considered on a case by case basis as a secondary roof form based on the design merit of the overall proposal and the context of the site. Conjectural forms such as domes, cupolas, or turrets that convey a false sense of history should be avoided.

*iii. Ridge heights* — The ridgelines of roofs with multiple gables or similar roof forms should be uniform in height; cross gables should intersect at the primary ridgeline unless established as a uniform secondary roof form.

## D. MATERIALS

*i. Traditional materials* — Predominant façade materials should be those that are durable, high-quality, and vernacular to San Antonio such as regionally-sourced stone, wood, and stucco. Artificial or composite materials are discouraged,

especially on primary facades or as a predominate exterior cladding material. The use of traditional materials is also encouraged for durability at the ground level and in site features such as planters and walls.

*ii. Traditional stucco* — Stucco, when correctly detailed, is a historically and aesthetically appropriate material selection within the Mission Historic District. Artificial or imitation stucco, such as EIFS or stucco-finish composition panels should be avoided. Applied stucco should be done by hand and feature traditional finishes. Control joints should be limited to locations where there is a change in materials or change in wall plane to create a continuous, monolithic appearance.

*iii. Primary materials* — The use of traditional materials that are characteristic of the Missions is strongly encouraged throughout the historic district as primary materials on all building facades. For all new buildings, a minimum of 75% of the exterior facades should consist of these materials. Glass curtain walls or uninterrupted expanses of glass may be counted toward the minimum requirement.

*iv. Secondary materials* — Non-traditional materials, such as metal, tile, or composition siding may be incorporated into a building façade as a secondary or accent material. For all new buildings, a maximum of 25% of the exterior facades should consist of these nontraditional materials.

*v. Visual interest* — A variety and well-proportioned combination of exterior building materials, textures, and colors should be used to create visual interest and avoid monotony. No single material or color should excessively dominate a building or multiple buildings within a complex unless the approved architectural concept, theme, or idea depends upon such uniformity. While a variety is encouraged, overly-complex material palettes that combine materials that are not traditionally used together is discouraged.

*vi. Decorative patterns and color* — The use of decorative patterns and color is encouraged any may be conveyed through a variety of contemporary means such as tile, cast stone, and repetition in architectural ornamentation. In general, the use of natural colors and matte finishes is encouraged; vibrant colors which reflect the historic context of the area are encouraged as accents.

*vii. Massing and structural elements* — The use of materials and textures should bear a direct relationship to the building's organization, massing, and structural elements. Structural bays should be articulated wherever possible through material selection.

## E. FACADE ARRANGEMENT AND ARCHITECTURAL DETAILS

*i. Human scaled elements* — Porches, balconies, and additional human-scaled elements should be integrated wherever possible.

*ii. Entrances* — The primary entrance to a commercial and mixed used structures, such as a lobby, should be clearly defined by an architectural element or design gesture. Entrances may be recessed with a canopy, defined by an architectural element such as a prominent trim piece or door surround, or projecting mass to engage the pedestrian streetscape.

*iii. Windows* — Windows should be recessed into the façade by a minimum of 2 inches and should feature profiles that are found historically within the immediate vicinity. Wood or aluminum clad wood windows are recommended.

*iv. Architectural elements* — Façade designs should be inspired by the San Antonio Missions and regional architectural styles. Contemporary interpretations of buttresses, colonnades, arcades, and similar architectural features associated with the Missions are encouraged. Historicized elements or ornamentation with false historical appearances should be avoided.

*v. Corporate architecture and branding* — Formula businesses, retail chains, and franchises are encouraged to seek creative and responsive alternatives to corporate architecture that respect the historic context of the Mission Historic District. The use of corporate image materials, colors, and designs should be significantly minimized or eliminated based on proximity to the Missions or location on a primary corridor.

### *Standard Specifications for Windows in Additions and New Construction*

Consistent with the Historic Design Guidelines, the following recommendations are made for windows to be used in new construction:

- **GENERAL:** Windows used in new construction should be similar in appearance to those commonly found within the district in terms of size, profile, and configuration. While no material is expressly prohibited by the Historic Design Guidelines, a high quality wood or aluminum-clad wood window product often meets the Guidelines with the stipulations listed below.
- **SIZE:** Windows should feature traditional dimensions and proportions as found within the district.
- **SASH:** Meeting rails must be no taller than 1.25". Stiles must be no wider than 2.25". Top and bottom sashes must be equal in size unless otherwise approved.

- DEPTH: There should be a minimum of 2” in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness. All windows should be supplied in a block frame and exclude nailing fins which limit the ability to sufficiently recess the windows.
- TRIM: Window trim must feature traditional dimensions and architecturally appropriate casing and sloped sill detail.
- GLAZING: Windows should feature clear glass. Low-e or reflective coatings are not recommended for replacements. The glazing should not feature faux divided lights with an interior grille. If approved to match a historic window configuration, the window should feature true, exterior muntins.
- COLOR: Wood windows should feature a painted finish. If a clad or non-wood product is approved, white or metallic manufacturer’s color is not allowed and color selection must be presented to staff.

#### *Section 4: Guidelines for Landscape and Site Elements*

##### A. LANDSCAPE, BUFFER YARDS, AND SITE DESIGN

- i. Preserve existing and native vegetation* — Preserve existing and native vegetation to the fullest extent possible and protect existing vegetation, trees, and their root systems throughout the construction process. All healthy or non-diseased existing vegetation within the bufferyard shall be preserved, unless the removal of vegetation is necessary to provide utilities or to provide pedestrian and/or vehicular access to the site.
- ii. Landscape buffers* — A landscape bufferyard is required. Where lot depth allows, 20-foot landscape buffer between parking areas and the street as stipulated in the RIO design standards should be incorporated. Where lot depth does not allow, or the immediate historic context requires a minimal front yard building setback, provide the maximum landscape buffer area that the site can reasonably accommodate.
- iii. Landscape planting palette* — Plants utilized to fulfill the landscaping requirements shall be selected from the list of native Texas plants in the San Antonio Recommended Plant List found in the UDC Appendix E. Use plant communities representative of the Northern Blackland Prairie riparian and Tallgrass ecosystems for landscaping on sites adjacent to the Mission Reach.
- iv. Archaeological features* — Where archaeological evidence indicates a site contains or has contained a Spanish colonial acequia, the original path of the acequia shall be incorporated as a landscape feature of the site by including it as part of the landscape design.
- v. Utilities* — On-site utilities, when introduced, shall be located underground unless required by the utility company, upon approval of the city, to be otherwise located.

##### B. STREETScape AND AMENITIES

- i. Streetscape* — Enhance the streetscape in new development with street infrastructure, planting areas, walkways, and landscaping. Provide visual, functional, and aesthetic continuity along the street corridor, designing improvements to meet long term community design objectives.
- ii. Amenities* — Incorporate amenities that facilitate outdoor activities appropriate to the site, including seating for comfort and landscaping for shade and aesthetics. Trails and public open spaces should feature wayfinding and interpretive signage, benches, bicycle racks, trash cans, art work, and landscaping that enhance site usage and pedestrian experience.
- iii. Water features* — Water features such as fountains are encouraged. If water features are included, site design details shall include a maintenance plan and use recycled water.
- iv. Pedestrian and Bicycle Circulation Systems* — Provide complete, efficient, and aesthetically pleasing pedestrian and bicycle circulation systems within the site. Coordinate and connect with pedestrian walks and bicycle ways along the street and at abutting lots. For additional guidance, please see the City of San Antonio's Bike Master Plan.
- v. Sidewalk-Trail Connectivity* — Connect new mixed-use, commercial, and residential development to adjacent public walk and trail networks. Provide through-passage for walks and trails as part of the public network.

##### C. OFF-STREET PARKING AND HARDSCAPES

- i. Parking Areas* — In general, parking areas should be located beside and/or behind buildings within urban historic contexts and on primary corridors north of SE Military. Parking areas within the front yard are discouraged. Where permitted, they should be limited to a single drive and a single row of parking.

- ii. Cooperative Parking Agreements* — Utilize cooperative parking agreements where possible to reduce the number of unused or seldom used parking spaces.
- iii. Driveway Access-Driveway Reductions* — Wherever possible, establish a single driveway access point to a site for automobiles. The establishment of shared driveways serving adjacent sites is strongly encouraged and may be required. In addition, reduce the number of driveways and driveway widths on existing developed properties to minimize the conflicts between pedestrians, bicyclists, and vehicles. Individual driveways should be no wider than 24 feet, but shared driveways may be 30 feet wide and incorporate a pedestrian median
- iv. Parking Stalls and Pavement Areas* — The redesign of parking stalls and paving areas in a private development to provide defined entrances, access lanes, parking spaces, pedestrian walks, and landscape areas is strongly encouraged.
- v. Pavement Area Reduction* — Reduce the amount of existing paving on a site to the minimum needed to accommodate circulation needs. Replace unnecessary paved areas with landscape areas that provide shade and enhance the character of the site, or permeable pavement surfaces for reduce ponding and facilitate stormwater drainage. Parking areas with ten (10) or more spaces located in the side and rear yards shall be interrupted with landscaped areas (pods) at a ratio of sixteen point two (16.2) square feet landscaped area for every one (1) vehicle parking spot. Pods may be used to meet the requirement for tree and understory preservation, parking lot canopy trees and/or pedestrian circulation system.
- vi. Tree Canopy* — Canopy trees shall be integrated into the design of surface parking lots to provide shade for a minimum of 25 percent of any individual parking lot.
- vii. Pavement Treatments* — Where possible, reduce the extent of existing impervious cover on existing developed properties undergoing redevelopment. In high traffic areas replace impervious cover with crushed granite, pervious pavers, pervious asphalt or other pervious materials. Impervious areas with no or only occasional traffic are recommended to be replaced with drought tolerant and heat resistant vegetation.
- viii. Screening for Parking Areas* — Where possible, screen parking areas from the sidewalk and street with landscaping that allows a filtered view of the parking area but reduces its overall visual impact. Notwithstanding the Metropolitan Corridor requirements, new masonry walls or earthen berms are discouraged in the Mission Historic District as a method for screening parking.
- ix. Pedestrian Routes* — Provide a minimum 4-foot-wide continuous pedestrian route connecting the primary building entrance to the street sidewalk, parking areas, and any existing or planned pedestrian circulation systems abutting the site. Coordinate pedestrian routes with landscape areas and enhancements. Pedestrian routes shall be separated from parking stalls and vehicular drives with vegetation and/or landscaping material. Pedestrian routes may cross loading areas or vehicular drives but in such cases shall include high visibility pavement markings.
- x. Pedestrian Lighting* — Provide adequate onsite lighting for pedestrian walks and entrances that enhance the visual character of the streetscape experience. Like parking areas, lighting should pointed down on the sidewalk.

#### D. LOW IMPACT DESIGN STRATEGIES

- i. Low-Impact Development Techniques* — Low Impact Development (LID) strategies for managing stormwater throughout the district. In consultation with SARA and City staff (Transportation & Capital Improvements), determine how a property under development fits conceptually within the regional strategy for stormwater management and ecological design. Coordinate designs with the approaches implemented or envisioned for adjacent sites within the vicinity.
- ii. Plantings for Low-Impact Development* — Incorporate native plant communities into design solutions for Low Impact Development (LID) to the maximum extent possible. Stormwater retention and detention facilities can double as attractive and ecologically valuable natural areas. Plants can slow the flow of water, aid in the breakdown of pollutants, and reduce the holding time for stormwater.
- iii. Stormwater Runoff* — Grade or re-grade the site being developed to reduce or eliminate stormwater runoff to street right-of-ways. Hold water on the property for landscape irrigation and groundwater recharge when possible. Landscaped detention ponds and bioswales are encouraged.
- iv. Landscape Amenities-Irrigation* — To the extent possible, design stormwater management facilities as landscape amenities incorporated into the site's overall landscape plan or as part of the required bufferyard. Utilize rain gardens and natural retention/detention ponds to capture and store runoff for groundwater recharge. Capture and store rainwater that falls on rooftops and condensation from air conditioners for landscape irrigation.

### *Historic Design Guidelines, Chapter 6, Guidelines for Signage*

#### 1. General

## A. GENERAL

- i. Number and size—Each building will be allowed one major and two minor signs. Total requested signage should not exceed 50 square feet.
- ii. New signs—Select the type of sign to be used based on evidence of historic signs or sign attachment parts along the building storefront where possible. Design signs to respect and respond to the character and/or period of the area in which they are being placed. Signs should identify the tenant without creating visual clutter or distracting from building features and historic districts.
- iii. Scale—Design signage to be in proportion to the facade, respecting the building's size, scale and mass, height, and rhythms and sizes of window and door openings. Scale signage (in terms of its height and width) to be subordinate to the overall building composition.

## B. HISTORIC SIGNS

- i. Preservation—Preserve historic signs, such as ghost signs or other signs characteristic of the building's or district's period of significance, whenever possible.
- ii. Maintenance—Repair historic signs and replace historic parts in-kind when deteriorated beyond repair.

## C. PLACEMENT AND INSTALLATION

- i. Location—Place signs where historically located and reuse sign attachment parts where they exist. Do not erect signs above the cornice line or uppermost portion of a facade wall, or where they will disfigure or conceal architectural details, window openings, doors, or other significant details.
- ii. Obstruction of historic features—Avoid obscuring historic building features such as cornices, gables, porches, balconies, or other decorative elements with new signs.
- iii. Damage—Avoid irreversible damage caused by installing a sign. For example, mount a sign to the mortar rather than the historic masonry.
- iv. Pedestrian orientation—Orient signs toward the sidewalk to maintain the pedestrian oriented nature of the historic districts.

## D. DESIGN

- i. Inappropriate materials—Do not use plastic, fiberglass, highly reflective materials that will be difficult to read, or other synthetic materials not historically used in the district.
- ii. Appropriate materials—Construct signs of durable materials used for signs during the period of the building's construction, such as wood, wrought iron, steel, aluminum, and metal grill work.
- iii. Color—Limit the number of colors used on a sign to three. Select a dark background with light lettering to make signs more legible.
- iv. Typefaces—Select letter styles and sizes that complement the overall character of the building façade. Avoid hard-to-read or overly intricate styles.

## E. LIGHTING

- i. Lighting sources—Use only indirect or bare-bulb sources that do not produce glare to illuminate signs. All illumination shall be steady and stationary. Internal illumination should not be used.
- ii. Neon lighting—Incorporate neon lighting as an integral architectural element or artwork appropriate to the site, if used.

## F. PROHIBITED SIGNS

- i. An abbreviated list of the types of signs prohibited within San Antonio's historic districts and on historic landmarks is provided below. Refer to UDC Section 35- 612(j) and Chapter 28 of the Municipal Code for more detailed information on prohibited signs.
  - Billboards, junior billboards, portable signs, and advertising benches.
  - Pole signs.
  - Revolving signs or signs with a kinetic component.
  - Roof mounted signs, except in the case of a contributing sign.
  - Digital and/or LED lighted signs, not to include LED light sources that do not meet the definition of a sign.
  - Moored balloons or other floating signs that are tethered to the ground or to a structure.
  - Any sign which does not identify a business or service within the historic district or historic landmark.
  - Any non-contributing sign which is abandoned or damaged beyond 50 percent of its replacement value, including parts of old or unused signs.

- Notwithstanding the above, signs designated as a contributing sign or structure by the historic preservation officer shall not be prohibited unless or until such designation is revoked.

## G. MULTI-TENANT PROPERTIES

- i. Signage Plan—Develop a master signage plan or signage guidelines for the total building or property.
- ii. Directory signs—Group required signage in a single directory sign to minimize visual color and promote a unified appearance.

## 3. Projecting and Wall-Mounted Signs

### A. GENERAL

- i. *Mounting devices*—Construct sign frames and panels that will be used to be attach signs to the wall of a building of wood, metal, or other durable materials appropriate to the building's period of construction.
- ii. *Structural supports*—Utilize sign hooks, expansion bolts, or through bolts with washers on the inside of the wall depending upon the weight and area of the sign, and the condition of the wall to which it is to be attached.
- iii. *Appropriate usage*—Limit the use of projecting and wall-mounted signs to building forms that historically used these types of signs, most typically commercial storefronts. To a lesser degree, these signage types may also be appropriate in areas where residential building forms have been adapted for office or retail uses, if sized accordingly.

### B. PROJECTING SIGNS

- i. *Placement*—Mount projecting signs perpendicularly to a building or column while allowing eight feet of overhead clearance above public walkways.
- ii. *Public right-of-way*—Limit the extension of projecting signs from the building facade into the public right-of-way for a maximum distance of eight feet or a distance equal to two-thirds the width of the abutting sidewalk, whichever distance is greater.
- iii. *Area*—Projecting signs should be scaled appropriately in response to the building façade and number of tenants.

### C. WALL-MOUNTED SIGNS

- i. *Area*—Limit the aggregate area of all wall-mounted signs to twenty-five percent of a building facade.
- ii. *Projection*—Limit the projection of wall-mounted signs to less than twelve inches from the building wall.
- iii. *Placement*—Locate wall signs on existing signboards—the area above the storefront windows and below the second story windows—when available. Mount wall signs to align with others on the block if an existing signboard is not available.
- iv. *Channel letters*—Avoid using internally-illuminated, wall-mounted channel letters for new signs unless historic precedent exists. Reverse channel letters may be permitted.

## FINDINGS:

- a. The property at 3406 Roosevelt currently features metal sided commercial structures, chain link fencing with barbed wire tops, metal fence screening featuring various profiles, deteriorated surface paving, and two, non-confirming sign poles. This property is located within the Mission Historic District, and the Mission Protection Overlay District 2.
- b. SUB-COMMITTEE REVIEW – This request was reviewed by the Historic and Design Review Commission's sub-committee on March 10, 2026.
- c. FENCING – The applicant has proposed to install fencing and walls around the property. Wrought iron fencing will be installed along the north and south property lines. A masonry wall will be installed along the west property line, parallel to Woodhill Drive and Roosevelt Avenue, and along a portion of the southern façade, adjacent to a neighboring structure. The applicant has proposed for fencing and walls to feature six (6) feet in height with the exception of at the side and rear property lines, where the applicant has proposed eight (8) feet in height. Generally, staff finds the proposed fencing and wall construction to be appropriate; however, per the Guidelines for Site Elements and the Unified Development Code Section 35-514, fencing should not exceed six (6) feet in height. Additionally, staff finds that the proposed solid wall on the south side of the property should not extend past the front façade of the building on site. As proposed, it extends to the right of way, perpendicular to Roosevelt.
- d. EXTERIOR MODIFICATIONS – The applicant has proposed to perform exterior modifications to the two existing structures on site including the installation of new façade materials, the construction of entrance canopies, and painting. The new façade materials include textured masonry and metal façade panels to the

southern structure. Generally, staff finds the proposed materials to be appropriate, as they are supported by the Mission Historic District Design Manual. Additionally, staff find the proposed canopy addition the front of the northern-most structure to be appropriate.

- e. **SIDE & REAR ADDITION** – The applicant has proposed to enlarge an existing side addition and construct a rear addition to an existing metal building to feature a footprint of approximately 2,410 square feet. The Guidelines for Additions 1.A. notes that additions should be sited to minimize view from the public right of way, should be designed to be in keeping with the existing, historic context of the block, should feature similar roof forms, and should feature a transition to differentiate the new addition from the historic structure. Staff finds both the increase in size of the side addition and the construction of the rear addition to be appropriate and consistent with the Guidelines for Additions.
- f. **LANDSCAPING** – The applicant has proposed to install landscaping materials that include the installation of ground cover and shrubbery at the base of the proposed wall and within the open space between the proposed screening walls and the right of way. Staff finds the introduction of landscaping to be appropriate as it provides buffering elements for the walls and site; however, staff finds that a detailed landscaping plan should be submitted to OHP staff for review and approval.
- g. **SIGNAGE** – The applicant has proposed to install signage on site that include one wall sign. Wall signage is encouraged by the Mission Historic District Design Manual; however, wall signage should be designed in a manner that is consistent with Mission Manual and Guidelines for Signage. Details for the proposed wall sign have not been included in this request. Staff finds that signage details should be submitted for review and approval by the Commission. Signage should not exceed fifty (50) square feet, unless approved by the Commission. The applicant has noted the installation of two pylon signs with internally illuminated cabinets. These signs are prohibited by the UDC Section 35-678 and the Historic Design Guidelines, Guidelines for Signage.
- h. **ARCHAEOLOGY** – The project area is located within the Mission Local Historic District. In addition, property is in close proximity to previously recorded archaeological sites 41BX563 and 41BX267. Therefore, an archaeological investigation is required. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

## **RECOMMENDATION:**

Staff recommends approval of items #1 through #5 based on findings a through h with the following stipulations:

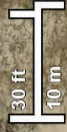
- i. That fencing and walls not exceed six (6) feet on site, per the UDC Section 35-514, as noted in finding c, and that the proposed solid wall not extend past the front façade of the southern building on site.
- ii. That a detailed landscaping plan be submitted to OHP staff for review and approval prior to the issuance of a Certificate of Appropriateness.
- iii. That a signage package be submitted for review and approval by the Commission, as noted in finding g. Signage should not exceed fifty (50) square feet, unless approved by the Commission.
- iv. That a lighting plan and specifications for lighting on site be submitted to OHP staff for review and approval. Lighting should not result in light pollution.
- v. **ARCHAEOLOGY** – An archaeological investigation is required. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

# City of San Antonio One Stop



April 9, 2026





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Westside Ave

Westside Ave

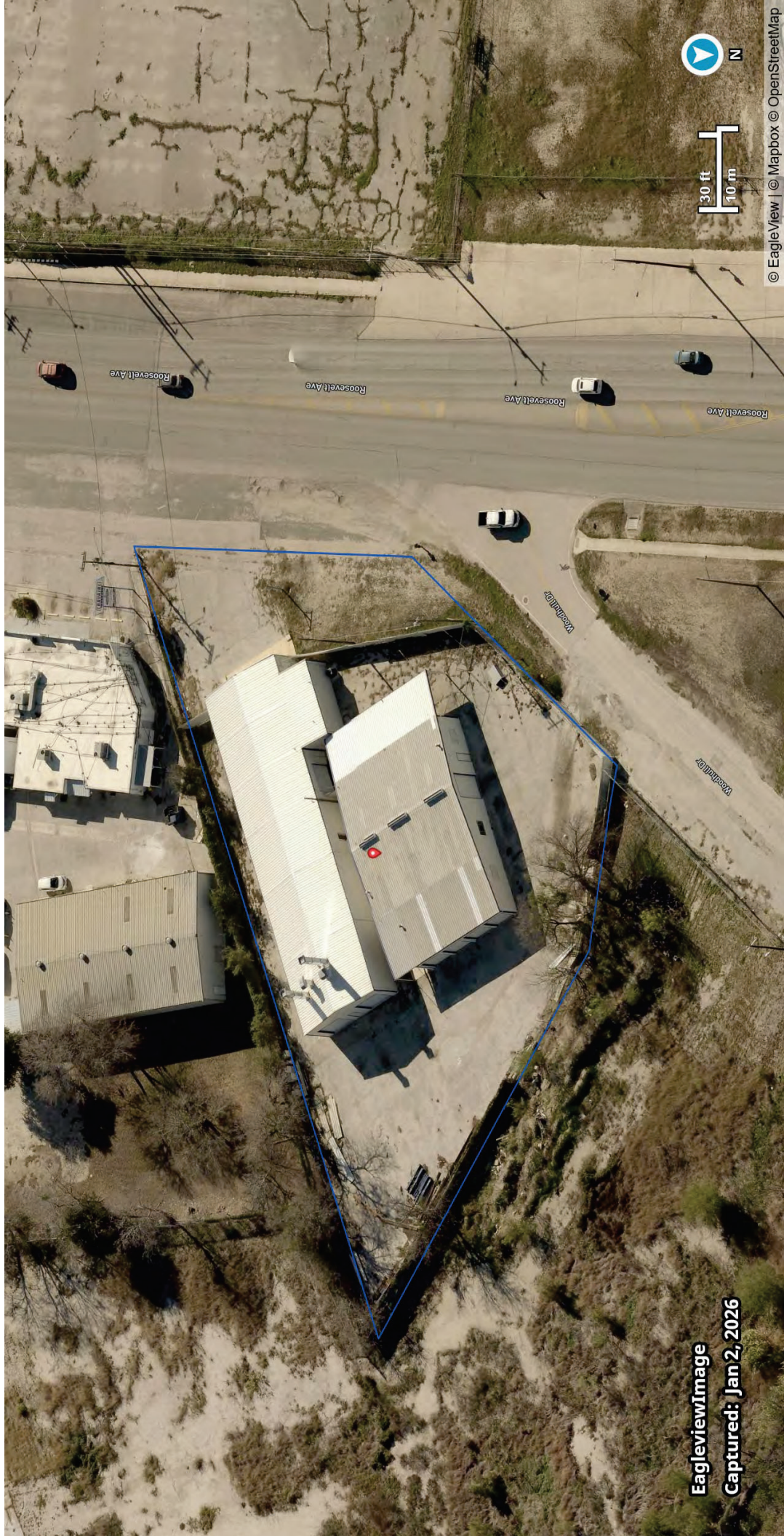
Roosevelt Ave

Roosevelt Ave

Roosevelt Ave

Roosevelt Ave

EagleviewImage  
Captured: Jan 31, 2026



EagleviewImage  
Captured: Jan 2, 2026

© EagleView | © Mapbox © OpenStreetMap



WOODHULL DRIVE

E ROOSEVELT AVENUE

EXISTING BUILDING

EXISTING BUILDING

NEW ADDITION

NEW MASONRY WALL

NEW GATE

NEW MASONRY WALL

NEW GATE

NEW MASONRY WALL

NEW MASONRY WALL

NEW LANDSCAPING

NEW MASONRY WALL

NEW GATE

NEW PORCH

NEW MASONRY WALL

NEW GATE

NEW IRRIGATION POND

NEW ADJUNCT IRON FENCE

|G|R|G

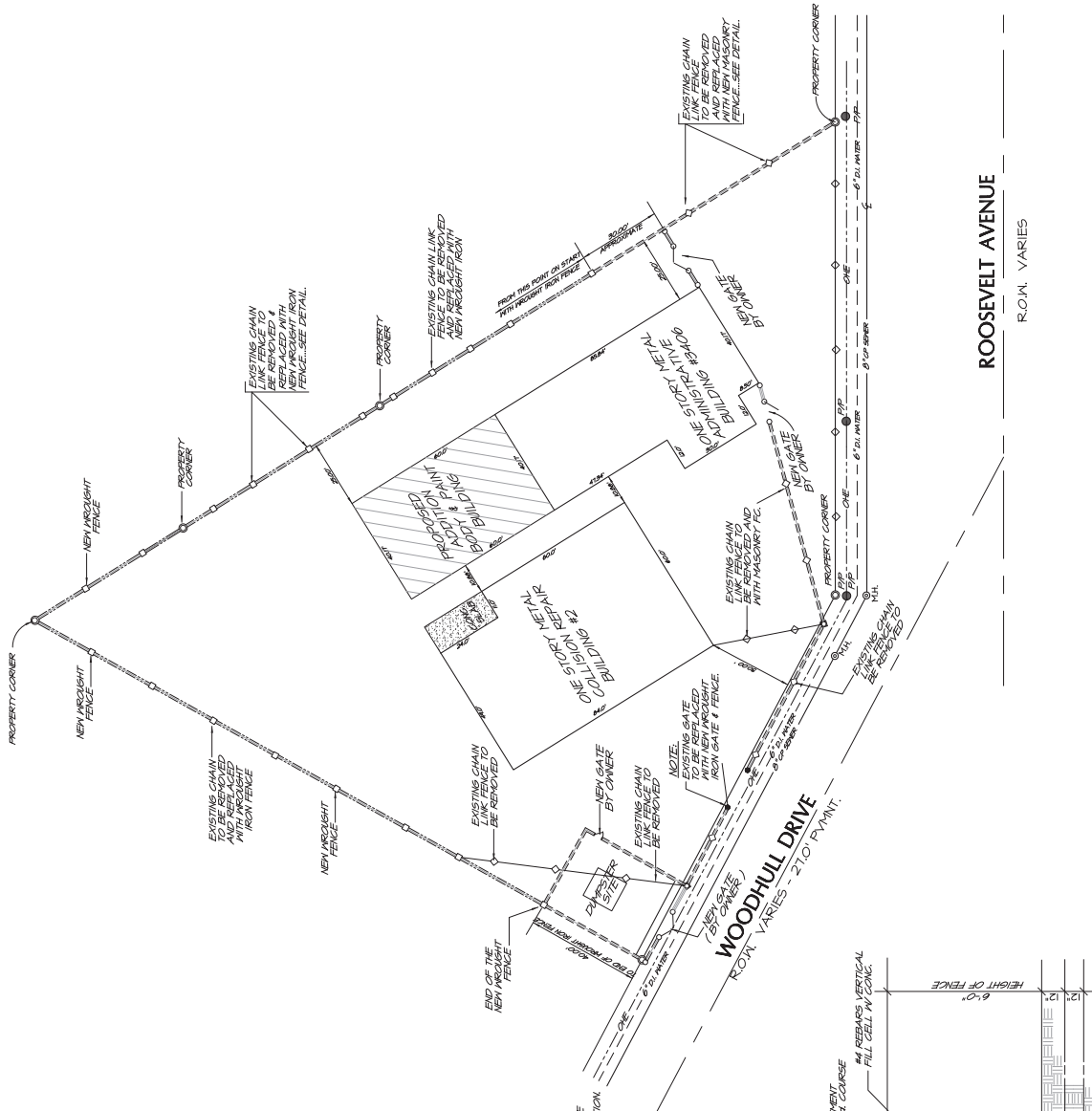
architecture

REVISIONS	date	description

Jose M. Cuvera  
 Design & Development Services  
 Phone: (210) 573-8814  
 Email: jmcuvera@tdm.com  
 139 Jule Drive 78209  
 San Antonio, Texas

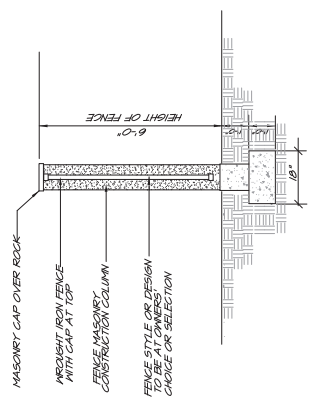
JOE'S COLLISION REPAIR  
 3406 ROOSEVELT AVENUE  
 SAN ANTONIO, TEXAS

DATE: 06-27-25  
 02-25-26  
 02-28-26  
 SHEET NO. **2R**

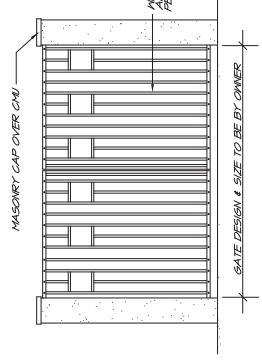


**LEGAL DESCRIPTION**  
 LOT 7, NCB 7676  
 3406 ROOSEVELT AVENUE  
 SAN ANTONIO, BEXAR COUNTY, TEXAS

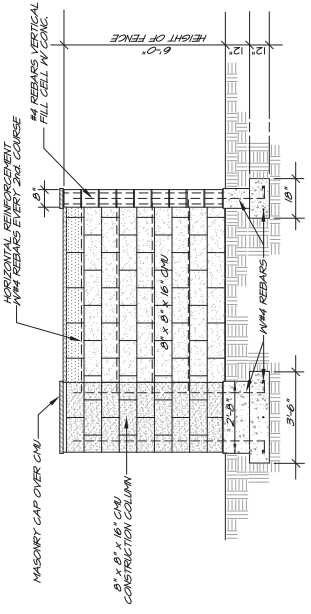
**SITE PLAN**  
 "REVISED"



WALL SECTION OF FENCE  
N.T.S.



ELEVATION AT GATE  
N.T.S.



ELEVATION OF FENCE CORNER  
N.T.S.

WALL SECTION OF FENCE  
N.T.S.

Ruler

Line Path Polygon Crde 3D path 3D polygon

Measure the distance between two points on the ground

Map Length: 1,342.99 Feet

Ground Length: 1,342.99

Heading: 187.03 degrees


Mouse Navigation Save Clear

**VIEW SHED CALCULATION**  
MEDALLION ELEVATION 590'  
NEW BUILDING ELEVATION 588'  
2% SLOPE FROM 5.5' ABOVE MEDALLION  
@ 1,342.99' = 34'-5" ALLOWABLE  
HEIGHT.  
NEW EXHAUST HOOD HEIGHT IS 30'-0"





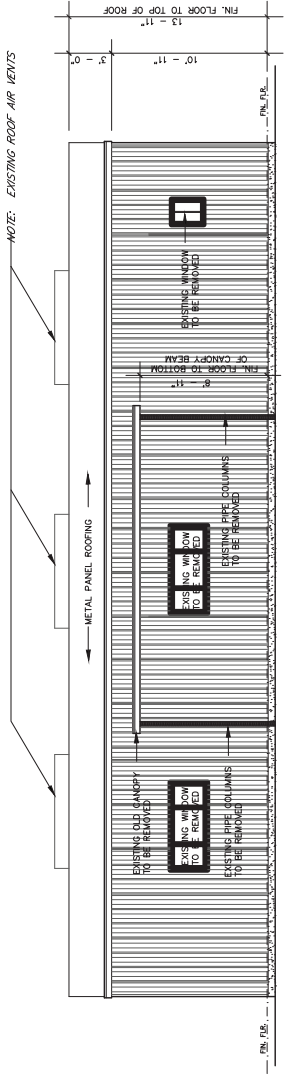
REVISIONS	date	description


 Jose M. Cueva  
 Design & Development Services  
 138 Jade Drive  
 San Antonio, Texas 78209  
 Phone (210) 573-8814  
 Email: jmcueva@msm.com

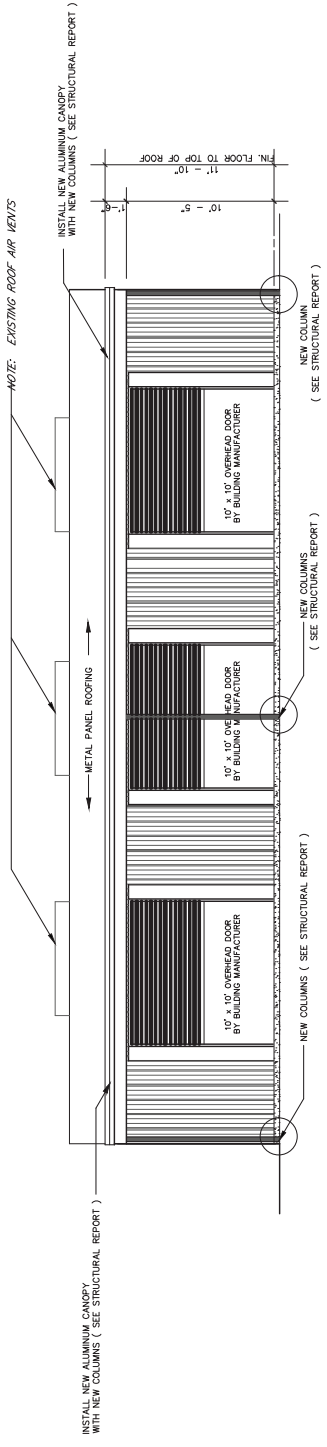


EXTERIOR ELEVATIONS – COLLISION REPAIR  
 JOEL'S COLLISION REPAIR  
 3406 ROOSEVELT AVENUE  
 SAN ANTONIO, TEXAS

DATE: 05-15-25  
 SHEET NO.  
 9




EXISTING ELEVATION – COLLISION REPAIR  
 SCALE: 1/4" = 1' - 0"  
 WEST ELEVATION



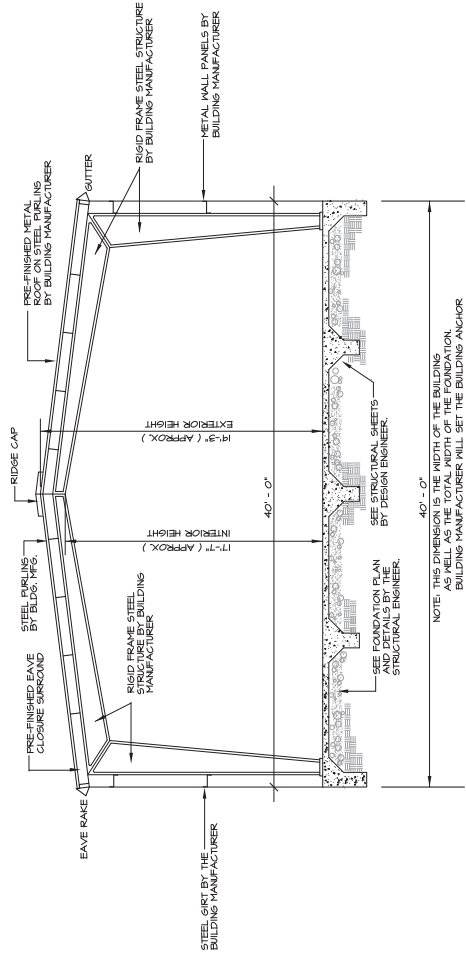
PROPOSED ELEVATION – COLLISION REPAIR  
 SCALE: 1/4" = 1' - 0"  
 WEST ELEVATION

REVISIONS	Date	Description

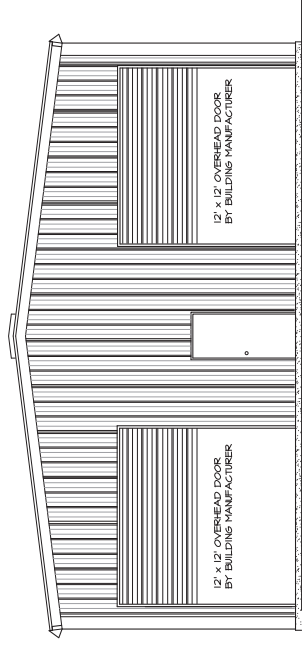
  
**Jose M. Cuvera**  
 Design & Development Services  
 139 Jade Drive San Antonio, Texas 78209  
 Phone : (210) 573-8814  
 Email: jmcuvera@trn.com

**THRU SECTION & PAINT SHOP ELEVATION**  
 JOEL'S COLLISION REPAIR  
 3406 ROOSEVELT AVENUE  
 SAN ANTONIO, TEXAS

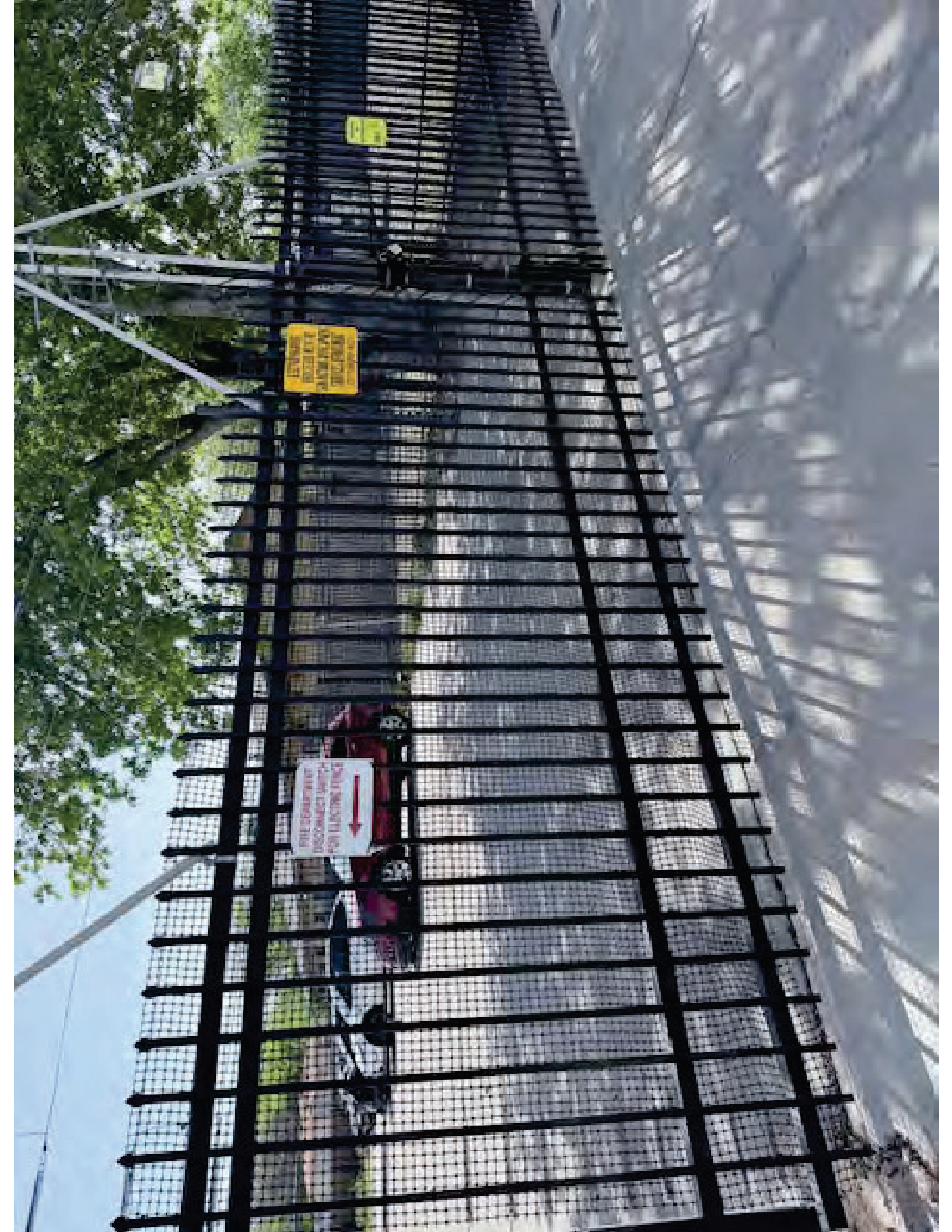
DATE: 05-15-25  
 SHEET NO. **10**



**CROSS THRU SECTION**  
 SCALE 1/4" = 1' - 0"

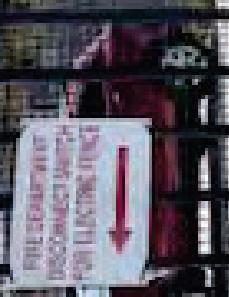


**REAR EXTERIOR ELEVATION**  
 SCALE 1/4" = 1' - 0"



EVANSTON  
POLICE DEPARTMENT  
2000 N. LAUREL AVE.  
EVANSTON, IL 60201  
708.326.3000

RELOCATING TO  
DISCONNECT UNIT  
FOR TESTING







5x10' Cabinet

**Illumination:** LED White

**NOTES:**

- WHITE interiors for increased illumination
- All paint two-stage automotive acrylic



4x8' Cabinet

**Description**

- Manufacture and Install: (1) One internally illuminated double sided pylon sign with polycarbonate faces.
- Poles painted black.
- Sign Cabinet Width TBD.

**ELECTRICAL NOTES**

Sign Company DOES NOT provide primary electrical to sign. Power to the sign must be done by a licensed electrical contractor or licensed electrician. Each sign must have:

1. A minimum of one dedicated 120V 20A circuit
2. Junction box installed within 6 feet of sign
3. Three wires: Line, Ground, Neutral

*Sign is Property of Aguirre Signs until paid in full.*



**Client Name:**  
Joel's Collision

**Location:**  
3406 Roosevelt Ave.  
San Antonio, TX 78214

**Start Date:** 03/11/2025  
**Last Revision:** 00/00/0000  
**Job#:** 00389  
**Drawing#:** v1.s1 / e1  
**Page:** 2 of 2

• ..... Client Approval

• ..... Landlord Approval

**Sales Rep:**  
Ray Aguirre

**Designer:**  
Robert





# RATIO Wall

RWL1/RWL2 LED WALLPACK

## MICRO STRIKE | STRIKE OPTICS

### FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, LightGRID+ and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



### CONTROL TECHNOLOGY



### SPECIFICATIONS

#### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

#### OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 48 or 160 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI/80 CRI) CCT
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions. Type II only available in RWL2 configurations

#### INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral backbox provided as standard with selection of some options

#### ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66

### SERVICE PROGRAM

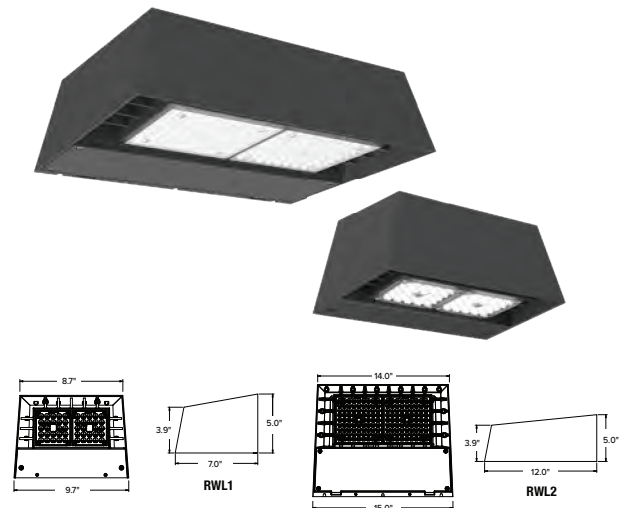


#### ELECTRICAL (CONTINUED)

- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

#### CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -25°C to 40°C. RWL1 battery is 12.5W RWL2 battery is 18W



	Weight
RWL1	6.5 lbs / 2.95 kg
RWL2	16.5 lbs / 7.48 kg

#### CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

#### CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#250.0-24 for wet locations
- IP65 rated housing
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- Meets IDA requirements using 3K CCT configuration at 0 degrees or tilt

#### WARRANTY

- 5 year limited warranty

# RATIO Wall

RWL1/RWL2 LED WALLPACK

 Gray Shading = Service Program Limit of 15 luminaires **QS10**

## ORDERING GUIDE

Example: RWL1-48L-10-3K7-2-UNV-BLS-E

CATALOG # \_\_\_\_\_

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color
RWL1 Micro Strike Optics	48L-10 1,000 Lumens	3K7 3000K, 70 CRI	2 IES TYPE II	UNV 120-277V	BLT Black Matte Textured
	48L-15 2,000 Lumens	4K7 4000K, 70 CRI	3 IES TYPE III	120 120V	BLS Black Gloss Smooth
	48L-20 2,500 Lumens <sup>5,6</sup>	5K7 5000K, 70 CRI	4F IES TYPE IV Forward	208 208V	DBT Dark Bronze Matte Textured
	48L-25 3,500 Lumens	3K8 3000K, 80 CRI	4W IES TYPE IV Wide	240 240V	DBS Dark Bronze Gloss Smooth
	48L-35 4,500 Lumens	4K8 4000K, 80 CRI		277 277V	GTT Graphite Matte Textured
	48L-45 5,500 Lumens <sup>5,6</sup>	5K8 5000K, 80 CRI		347 347V	LGS Light Grey Gloss Smooth
RWL2 Micro Strike Optics	160L-45 6,500 Lumens			480 480V	LGT Light Grey Matte Textured
	160L-50 7,500 Lumens				PSS Platinum Silver Smooth
	160L-65 9,500 Lumens				WHT White Matte Textured
	160L-80 11,000 Lumens				WHS White Gloss Smooth
	160L-95 13,000 Lumens				VGT Verde Green Textured
	160L-115 15,000 Lumens				<b>Color Option</b>
	160L-135 17,500 Lumens				CC Custom Color
RWL2 Strike Optics	160L-155 19,500 Lumens				
	36L-39 5,500 Lumens, Strike				
	36L-55 7,500 Lumens, Strike				
	36L-85 10,000 Lumens, Strike				
	36L-105 12,500 Lumens, Strike				
	36L-120 14,000 Lumens, Strike				

Control Options Network	
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>2,7,12</sup>
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>2,7,12</sup>
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>2,7,12</sup>
WIR	LightGRID+ In-Fixture Module <sup>2,9</sup>
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor <sup>1,2,4,5,6,8</sup>
SCP-20F	Remote control programmable line voltage sensor <sup>1,2,4,5,6,8</sup>
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>1,2,5,7,8</sup>
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>1,2,5,7,8</sup>
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height <sup>1,2,5,7,8</sup>
Control Options	
7PR_	7-Pin Receptacle <sup>8,9</sup>

Distribution	
F	Fusing <sup>4</sup>
E	Emergency Battery Backup <sup>3,8,9</sup>
EH	Emergency Battery w/ Heater Option <sup>3,8,9</sup>
2DR	Dual Driver <sup>3,9,10</sup>
2PF	Dual Power Feed <sup>3,9,10</sup>
PC	Button Photocontrol <sup>5,6,11</sup>
SP	10kA Surge Protector <sup>11</sup>

- Notes:
- Not available in RWL1
  - Cannot be combined with E, EH, 2DR, 2PF due to space constraints
  - Cannot be combined with Controls due to space constraints
  - Must specify voltage
  - Not available in 347V
  - Not available in 480V
  - Available in 480V in 95W, 115W, 155W only
  - Cannot be combined with 2DR or 2PF
  - Located in integral backbox which will be automatically added to the fixture if selected
  - Not available in RWL1-48L in 10W, 15W, or 20W
  - SP and PC cannot be combined due to space constraints
  - SP and PC cannot be combined due to space constraints
- \* Based on space limitations, some options may not be combined. Consult Factory.

## CONTROLS

Control Options	
<b>Standalone</b>	
SCPREMOTE	Order at least one per project location to program and control

## ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> WP-BB-XXX	Accessory for conduit entry <sup>1</sup>

- Notes:
- replace "xxx" with color option

# RATIO Wall

RWL1/RWL2 LED WALLPACK

## CONTROLS FUNCTIONALITY

### OUTDOOR LIGHTING CONTROLS OPTIONS



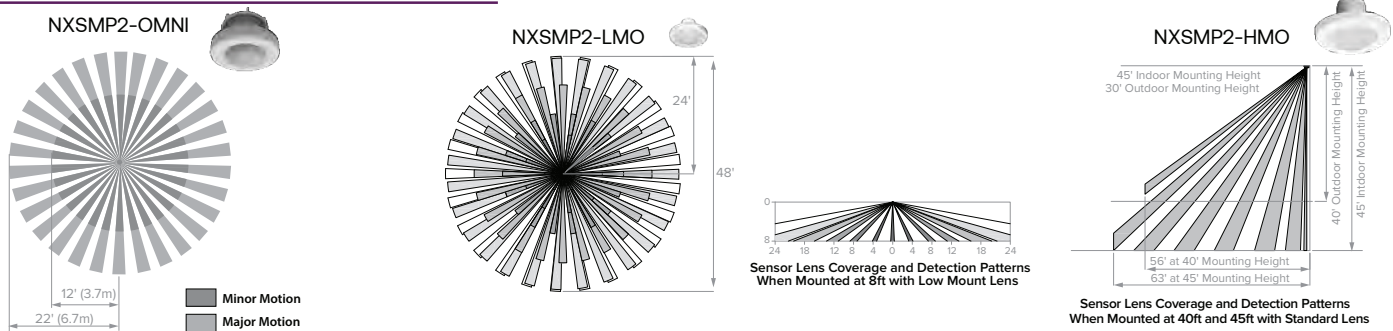
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
<b>NX Wireless</b> NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
<b>LightGRID+</b> WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-	WIR	
<b>Independent</b> BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft	BTSMP-OMNI-O	
BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft	BTSMP-LMO	
BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft	BTSMP-HMO	

## DEFAULT SETTINGS

<b>NX Wireless</b> Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	15 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0%
Daylight Sensor	Disabled
Bluetooth	Enabled
2.4GHz Wireless Mesh	On
*Passcode Factory Passcode: HubbN3T!	Enabled

<b>Stand Alone</b> Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	50%
Daylight Sensor	Disabled

## NX WIRELESS COVERAGE PATTERNS



## NX LIGHTING CONTROLS FREE APP

## CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: [https://play.google.com/store/apps/details?id=io.cordova.NXBT&hl=en\\_US&gl=US](https://play.google.com/store/apps/details?id=io.cordova.NXBT&hl=en_US&gl=US)



Apple App



Google Play

# RATIO Wall

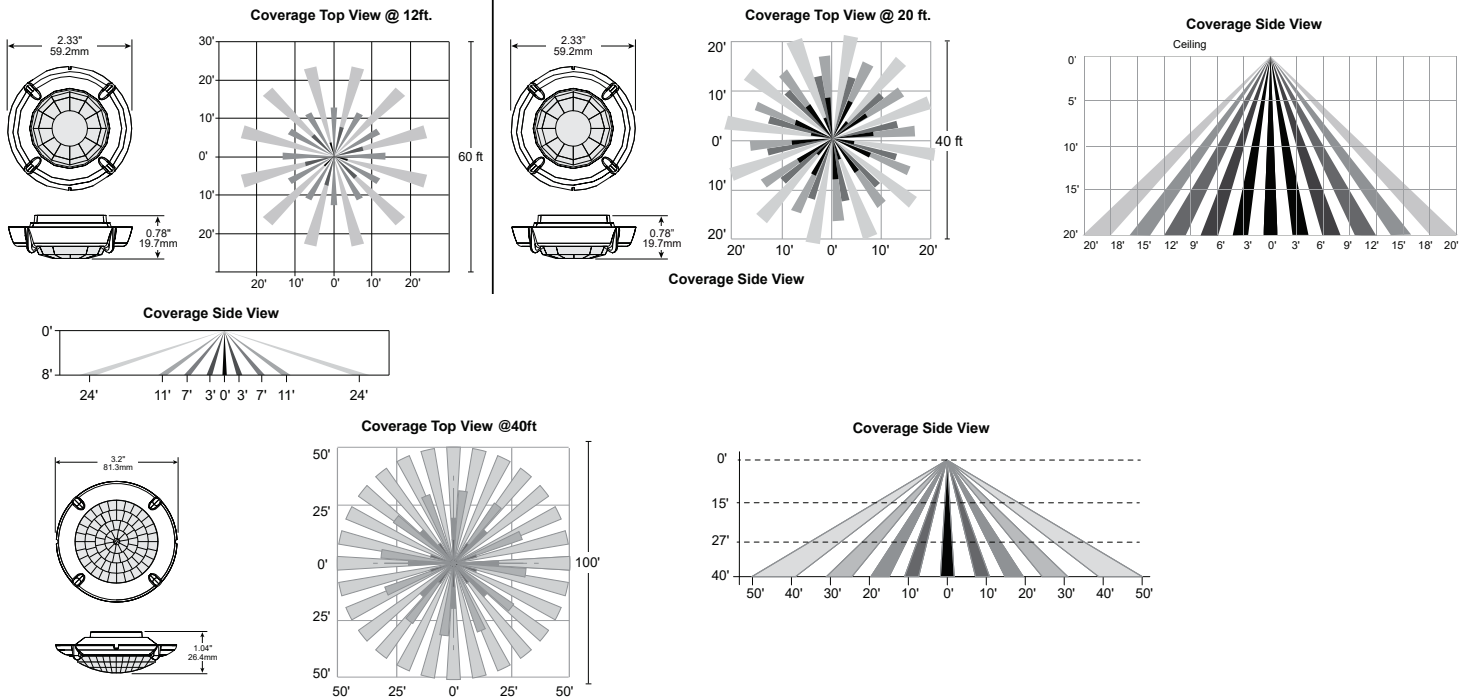
RWL1/RWL2 LED WALLPACK

## OUTDOOR LIGHTING CONTROLS OPTIONS

### CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description	Control Option Functionality									Control Option Components
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	SCP_F Sensor Control Programmable, sensor range, reference product specification for height selections	-	-	-	✓	✓	✓	✓	-	8ft or 40ft	SCP_F
	7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR

### COVERAGE PATTERNS FOR SCP\_F



# RATIO Wall

RWL1/RWL2 LED WALLPACK

## PERFORMANCE DATA: MICROSTRIKE

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RWL1	10	10.1	3	1362	135	0	0	1	1355	134	0	0	1	1303	129	0	0	1
			4W	1343	133	0	0	1	1336	132	0	0	1	1285	127	0	0	1
	15	14.5	3	1972	136	1	0	1	1962	135	1	0	1	1887	130	1	0	1
			4W	1945	134	0	0	1	1935	133	0	0	1	1861	128	0	0	1
	20	19.9	3	2722	137	1	0	1	2709	136	1	0	1	2605	131	1	0	1
			4W	2685	135	1	0	1	2672	134	1	0	1	2569	129	1	0	1
	25	28.0	3	3749	134	1	0	1	3732	133	1	0	1	3588	128	1	0	1
			4W	3698	132	1	0	1	3680	131	1	0	1	3538	126	1	0	1
	35	36.9	3	4751	129	1	0	2	4728	128	1	0	2	4546	123	1	0	1
			4W	4685	127	1	0	2	4663	126	1	0	2	4483	121	1	0	2
45	46.5	3	5812	125	1	0	2	5784	124	1	0	2	5562	120	1	0	2	
		4W	5731	123	1	0	2	5704	123	1	0	2	5485	118	1	0	2	
RWL2	45	46.1	2	6701	145	1	0	2	6668	145	1	0	2	6412	139	1	0	2
			3	6812	148	1	0	2	6780	147	1	0	2	6519	141	1	0	2
			4W	6678	145	1	0	2	6646	144	1	0	2	6390	139	1	0	2
	50	54.0	2	7747	143	1	0	2	7710	143	1	0	2	7413	137	1	0	2
			3	7876	146	1	0	2	7838	145	1	0	2	7537	140	1	0	2
	4W	7720	143	1	0	2	7683	142	1	0	2	7388	137	1	0	2		
	65	67.2	2	9539	142	1	0	2	9494	141	1	0	2	9129	136	1	0	2
			3	9699	144	2	0	2	9652	144	2	0	2	9281	138	2	0	2
			4W	9507	141	2	0	2	9461	141	2	0	2	9097	135	2	0	2
	80	80.8	2	11228	139	2	0	2	11174	138	2	0	2	10745	133	2	0	2
			3	11416	141	2	0	2	11361	141	2	0	2	10924	135	2	0	2
			4W	11190	138	2	0	2	11136	138	2	0	2	10708	133	2	0	2
	95	93.2	2	13148	141	2	0	2	13085	140	2	0	2	12582	135	2	0	2
			3	13368	143	2	0	2	13304	143	2	0	2	12792	137	2	0	2
			4W	13103	141	2	0	2	13040	140	2	0	2	12539	135	2	0	2
	115	109.8	2	15102	138	2	0	3	15030	137	2	0	3	14452	132	2	0	3
			3	15354	140	2	0	3	15281	139	2	0	3	14693	134	2	0	3
			4W	15050	137	2	0	3	14978	136	2	0	3	14402	131	2	0	3
	135	137.1	2	17533	128	2	0	3	17449	127	2	0	3	16778	122	2	0	3
			3	17826	130	2	0	3	17740	129	2	0	3	17058	124	2	0	3
			4W	17473	127	2	0	3	17389	127	2	0	3	16720	122	2	0	3
	155	156.8	2	19495	124	2	0	3	19402	124	2	0	3	18656	119	2	0	3
			3	19821	126	2	0	3	19726	126	2	0	3	18967	121	2	0	3
			4W	19542	125	2	0	3	19448	124	2	0	3	18700	119	2	0	3

# RATIO Wall

RWL1/RWL2 LED WALLPACK

## PERFORMANCE DATA: STRIKE

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RWL2	39	45.1	2	5618	125	1	0	1	5723	127	1	0	1	5251	116	1	0	1
			3	5644	125	1	0	2	5749	127	1	0	2	5274	117	1	0	2
			4F	5662	126	1	0	2	5768	128	1	0	2	5291	117	1	0	2
			4W	5652	125	1	0	2	5757	128	1	0	2	5282	117	1	0	2
	55	63.1	2	7458	118	1	0	2	7659	121	1	0	2	6970	110	1	0	2
			3	7552	120	1	0	2	7694	122	1	0	2	7058	112	1	0	2
			4F	7577	120	1	0	2	7718	122	1	0	2	7081	112	1	0	2
			4W	7564	120	1	0	3	7705	122	1	0	3	7069	112	1	0	3
	85	88.0	2	10121	115	2	0	2	10311	117	2	0	2	9459	107	2	0	2
			3	10167	116	1	0	3	10357	118	1	0	3	9502	108	1	0	3
			4F	10200	116	1	0	2	10390	118	1	0	2	9532	108	1	0	2
			4W	10182	116	1	0	3	10372	118	1	0	3	9516	108	1	0	3
	105	111.7	2	12022	108	2	0	2	12247	110	2	0	2	11235	101	2	0	2
			3	12075	108	2	0	3	12301	110	2	0	3	11285	101	2	0	3
			4F	12115	108	1	0	3	12341	110	1	0	3	11322	101	1	0	2
			4W	12093	108	2	0	3	12319	110	2	0	3	11302	101	1	0	3
	120	126.2	2	12889	102	2	0	2	13130	104	2	0	2	12046	95	2	0	2
			3	12947	103	2	0	3	13189	105	2	0	3	12100	96	2	0	3
			4F	12989	103	1	0	3	13232	105	1	0	3	12139	96	1	0	3
			4W	12966	103	2	0	3	13208	105	2	0	3	12118	96	1	0	3



# RATIO Wall

RWL1/RWL2 LED WALLPACK

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS		
	0	25,000	TM-21-22 60,000
25°C / 77°F	1.00	0.91	0.83
40°C / 104°F	0.99	0.90	0.82

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

## MULTIPLIER

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791

Strike Lumen Multiplier			
CCT	70CRI	80CRI	90CRI
2700K	0.900	0.810	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1.000	0.900	0.732
5000K	1.000	0.900	0.732
Monochromatic Amber Multiplier			
Amber	See Amber Spec Sheet		

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

## ELECTRICAL DATA: MICROSTRIKE

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL1	10	120	0.08	10.1
		208	0.05	
		240	0.04	
		277	0.04	
		347	0.03	
		480	0.02	
	15	120	0.12	14.5
		208	0.07	
		240	0.06	
		277	0.05	
		347	0.04	
		480	0.03	
	20	120	0.17	19.9
		208	0.10	
		240	0.08	
		277	0.07	
		347	0.06	
		480	0.04	
	25	120	0.23	28.0
		208	0.13	
		240	0.12	
		277	0.10	
		347	0.08	
		480	0.06	
35	120	0.31	36.9	
	208	0.18		
	240	0.15		
	277	0.13		
	347	0.11		
	480	0.08		
45	120	0.39	46.5	
	208	0.22		
	240	0.19		
	277	0.17		
	347	0.13		
	480	0.10		

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL2	45	120	0.38	46.1
		208	0.22	
		240	0.19	
		277	0.17	
		347	0.13	
		480	0.10	
	50	120	0.45	54.0
		208	0.26	
		240	0.23	
		277	0.19	
		347	0.16	
		480	0.11	
	65	120	0.56	67.2
		208	0.32	
		240	0.28	
		277	0.24	
		347	0.19	
		480	0.14	
	80	120	0.67	80.8
		208	0.39	
		240	0.34	
		277	0.29	
		347	0.23	
		480	0.17	
	95	120	0.78	93.2
		208	0.45	
		240	0.39	
		277	0.34	
		347	0.27	
		480	0.19	
	115	120	0.92	109.8
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.14	137.1
		208	0.66	
		240	0.57	
		277	0.49	
		347	0.40	
		480	0.29	
	155	120	1.31	156.8
		208	0.75	
		240	0.65	
		277	0.57	
		347	0.45	
		480	0.33	

# RATIO Wall

RWL1/RWL2 LED WALLPACK

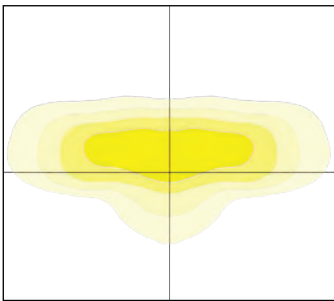
## ELECTRICAL DATA: STRIKE

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL2	39	120	0.38	45.1
		208	0.22	
		240	0.19	
		277	0.16	
		347	0.13	
		480	0.09	
	55	120	0.53	63.1
		208	0.30	
		240	0.26	
		277	0.23	
		347	0.18	
		480	0.13	
	85	120	0.73	88.0
		208	0.42	
		240	0.37	
		277	0.32	
		347	0.25	
		480	0.18	
	105	120	0.93	111.7
		208	0.54	
		240	0.47	
		277	0.40	
		347	0.32	
		480	0.23	
120	120	1.05	126.2	
	208	0.61		
	240	0.53		
	277	0.46		
	347	0.36		
	480	0.26		

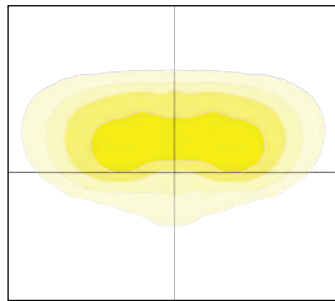
## PHOTOMETRY

Mounting Height: 30ft

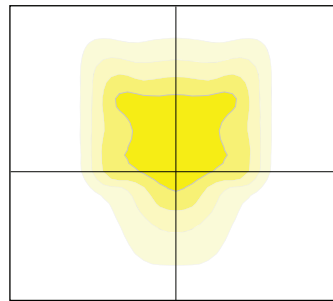
Type 2



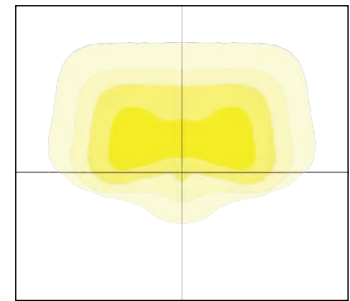
Type 3



Type 4F



Type 4W



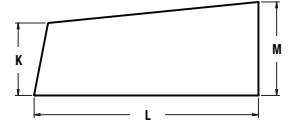
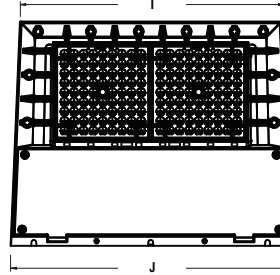
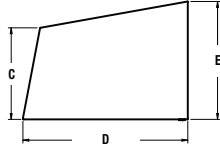
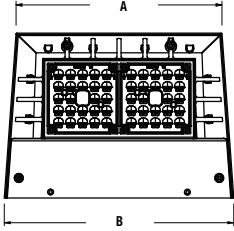
# RATIO Wall

RWL1/RWL2 LED WALLPACK

## DIMENSIONS

**RWL1**

**RWL2**

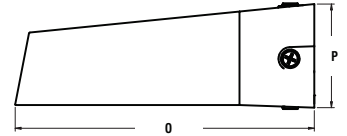
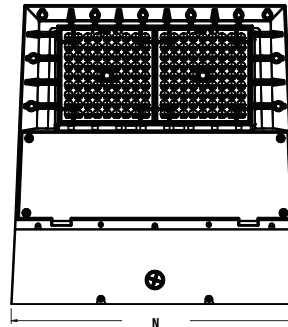
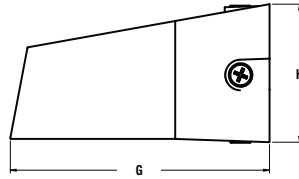
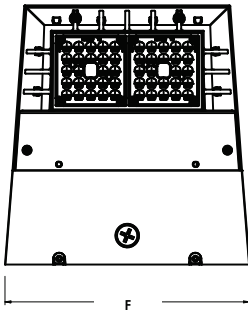


A	B	C	D	E	Weight
8.7"	9.7"	3.9"	7.0"	5.0"	6.5 lbs (2.95 kgs)
221mm	246mm	99mm	178mm	127mm	

I	J	K	L	M	Weight
14.0"	15.0"	3.9"	12.0"	5.0"	16.5 lbs (7.48 kgs)
356mm	381mm	99mm	305mm	127mm	

**RWL1 with  
Integral Back Box**

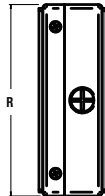
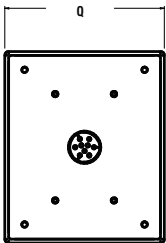
**RWL2 with  
Integral Back Box**



F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

N	O	P
15.4"	16.0"	5.5"
391mm	406mm	140mm

### Back Box Accessory



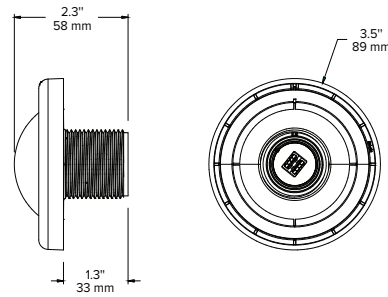
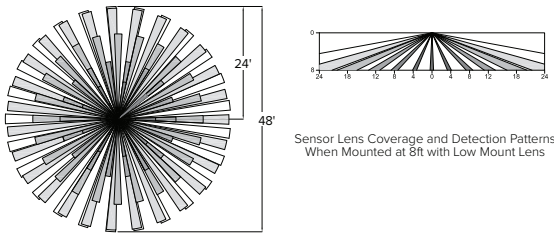
Q	R	S
4.9"	5.9"	2.1"
124mm	150mm	53mm

# RATIO Wall

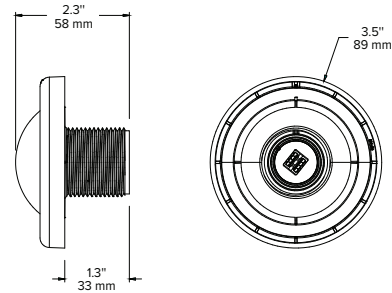
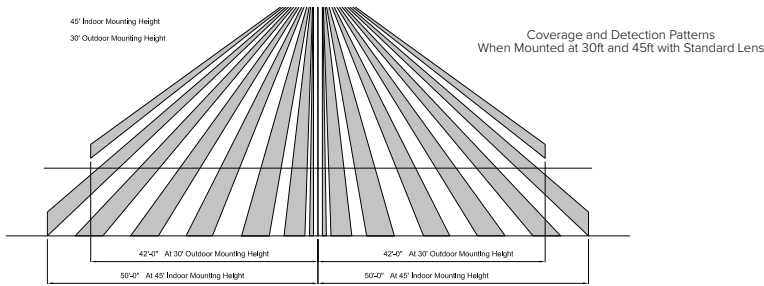
RWL1/RWL2 LED WALLPACK

## ADDITIONAL INFORMATION

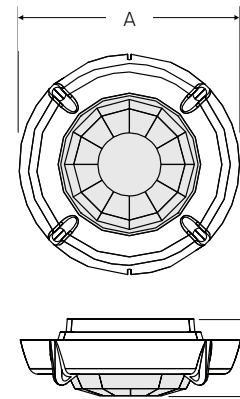
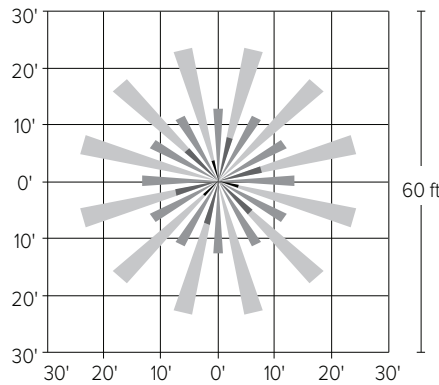
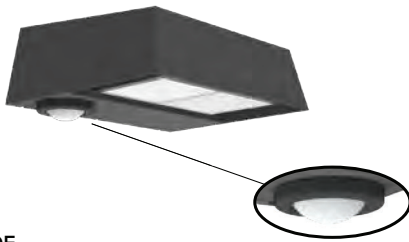
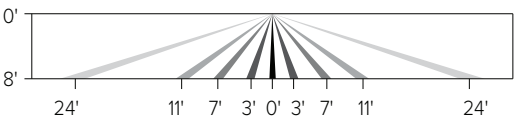
### NXSP-14F



### NXSP-40F

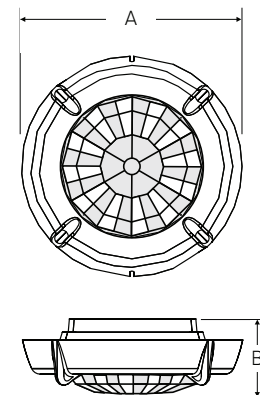
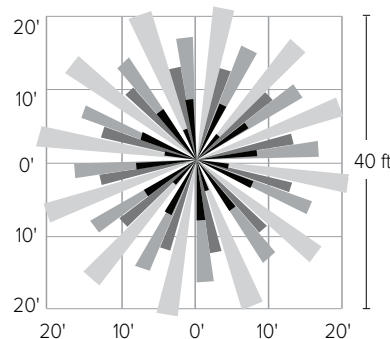
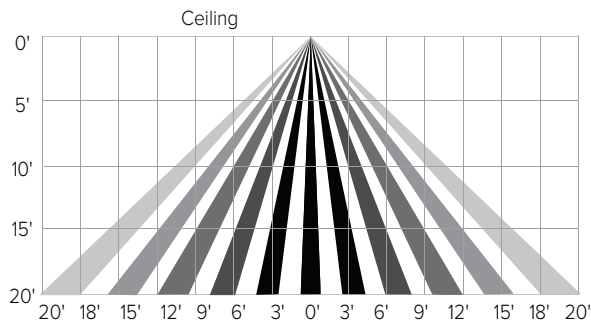


### SCP-8F



A	B
2.3" (59mm)	.8" (20mm)

### SCP-20F



A	B
2.3" (59mm)	.8" (20mm)

# RATIO Wall

RWL1/RWL2 LED WALLPACK

## MICRO STRIKE | STRIKE OPTICS

### FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, LightGRID+ and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



### CONTROL TECHNOLOGY



### SPECIFICATIONS

#### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

#### OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 48 or 160 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI/80 CRI) CCT
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions. Type II only available in RWL2 configurations

#### INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral backbox provided as standard with selection of some options

#### ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66

### SERVICE PROGRAM

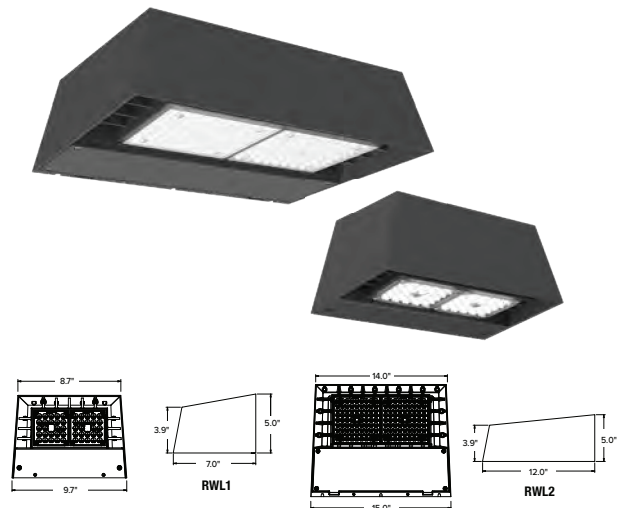


#### ELECTRICAL (CONTINUED)

- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

#### CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -25°C to 40°C. RWL1 battery is 12.5W RWL2 battery is 18W



	Weight
RWL1	6.5 lbs / 2.95 kg
RWL2	16.5 lbs / 7.48 kg

#### CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

#### CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#250.0-24 for wet locations
- IP65 rated housing
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- Meets IDA requirements using 3K CCT configuration at 0 degrees or tilt

#### WARRANTY

- 5 year limited warranty

# RATIO Wall

RWL1/RWL2 LED WALLPACK

 Gray Shading = Service Program Limit of 15 luminaires **QS10**

## ORDERING GUIDE

Example: RWL1-48L-10-3K7-2-UNV-BLS-E

CATALOG # \_\_\_\_\_

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color	
RWL1 Micro Strike Optics	48L-10 1,000 Lumens	3K7 3000K, 70 CRI	2 IES TYPE II	UNV 120-277V	BLT Black Matte Textured	
	48L-15 2,000 Lumens	4K7 4000K, 70 CRI	3 IES TYPE III	120 120V	BLS Black Gloss Smooth	
	48L-20 2,500 Lumens <sup>5,6</sup>	5K7 5000K, 70 CRI	4F IES TYPE IV Forward	208 208V	DBT Dark Bronze Matte Textured	
	48L-25 3,500 Lumens	3K8 3000K, 80 CRI	4W IES TYPE IV Wide	240 240V	DBS Dark Bronze Gloss Smooth	
	48L-35 4,500 Lumens	4K8 4000K, 80 CRI		277 277V	GTT Graphite Matte Textured	
	48L-45 5,500 Lumens <sup>5,6</sup>	5K8 5000K, 80 CRI		347 347V	LGS Light Grey Gloss Smooth	
				480 480V	LGT Light Grey Matte Textured	
RWL2 Micro Strike Optics	160L-45 6,500 Lumens				PSS Platinum Silver Smooth	
	160L-50 7,500 Lumens				WHT White Matte Textured	
	160L-65 9,500 Lumens				WHS White Gloss Smooth	
	160L-80 11,000 Lumens				VGT Verde Green Textured	
	160L-95 13,000 Lumens				<b>Color Option</b>	
	160L-115 15,000 Lumens				CC Custom Color	
	160L-135 17,500 Lumens					
	160L-155 19,500 Lumens					
	RWL2 Strike Optics	36L-39 5,500 Lumens, Strike				
		36L-55 7,500 Lumens, Strike				
36L-85 10,000 Lumens, Strike						
36L-105 12,500 Lumens, Strike						
36L-120 14,000 Lumens, Strike						

Control Options Network	
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>2,7,12</sup>
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>2,7,12</sup>
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>2,7,12</sup>
WIR	LightGRID+ In-Fixture Module <sup>2,9</sup>
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor <sup>1,2,4,5,6,8</sup>
SCP-20F	Remote control programmable line voltage sensor <sup>1,2,4,5,6,8</sup>
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>1,2,5,7,8</sup>
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>1,2,5,7,8</sup>
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height <sup>1,2,5,7,8</sup>
Control Options	
7PR_	7-Pin Receptacle <sup>8,9</sup>

Distribution	
F	Fusing <sup>4</sup>
E	Emergency Battery Backup <sup>3,8,9</sup>
EH	Emergency Battery w/ Heater Option <sup>3,8,9</sup>
2DR	Dual Driver <sup>3,9,10</sup>
2PF	Dual Power Feed <sup>3,9,10</sup>
PC	Button Photocontrol <sup>5,6,11</sup>
SP	10kA Surge Protector <sup>11</sup>

- Notes:
- Not available in RWL1
  - Cannot be combined with E, EH, 2DR, 2PF due to space constraints
  - Cannot be combined with Controls due to space constraints
  - Must specify voltage
  - Not available in 347V
  - Not available in 480V
  - Available in 480V in 95W, 115W, 155W only
  - Cannot be combined with 2DR or 2PF
  - Located in integral backbox which will be automatically added to the fixture if selected
  - Not available in RWL1-48L in 10W, 15W, or 20W
  - SP and PC cannot be combined due to space constraints
  - SP and PC cannot be combined due to space constraints
- \* Based on space limitations, some options may not be combined. Consult Factory.

## CONTROLS

Control Options	
<b>Standalone</b>	
SCPREMOTE	Order at least one per project location to program and control

## ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> WP-BB-XXX	Accessory for conduit entry <sup>1</sup>

- Notes:
- replace "xxx" with color option

# RATIO Wall

RWL1/RWL2 LED WALLPACK

## CONTROLS FUNCTIONALITY

### OUTDOOR LIGHTING CONTROLS OPTIONS



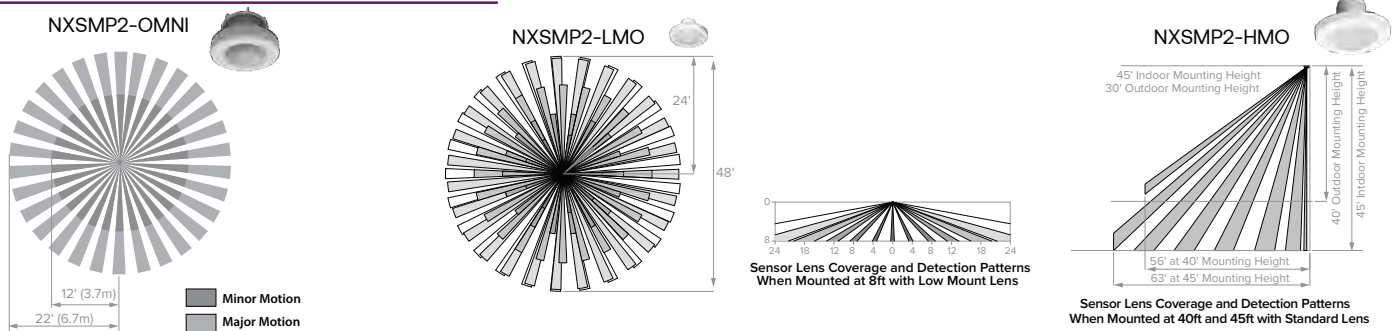
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
<b>NX Wireless</b> NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
<b>LightGRID+</b> WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-	WIR	
<b>Independent</b> BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft	BTSMP-OMNI-O	
BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft	BTSMP-LMO	
BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft	BTSMP-HMO	

## DEFAULT SETTINGS

<b>NX Wireless</b>	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	*Passcode Factory Passcode: HubbN3T!	Enabled

<b>Stand Alone</b>	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

## NX WIRELESS COVERAGE PATTERNS



## NX LIGHTING CONTROLS FREE APP

## CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: [https://play.google.com/store/apps/details?id=io.cordova.NXBT&hl=en\\_US&gl=US](https://play.google.com/store/apps/details?id=io.cordova.NXBT&hl=en_US&gl=US)



Apple App



Google Play

# RATIO Wall

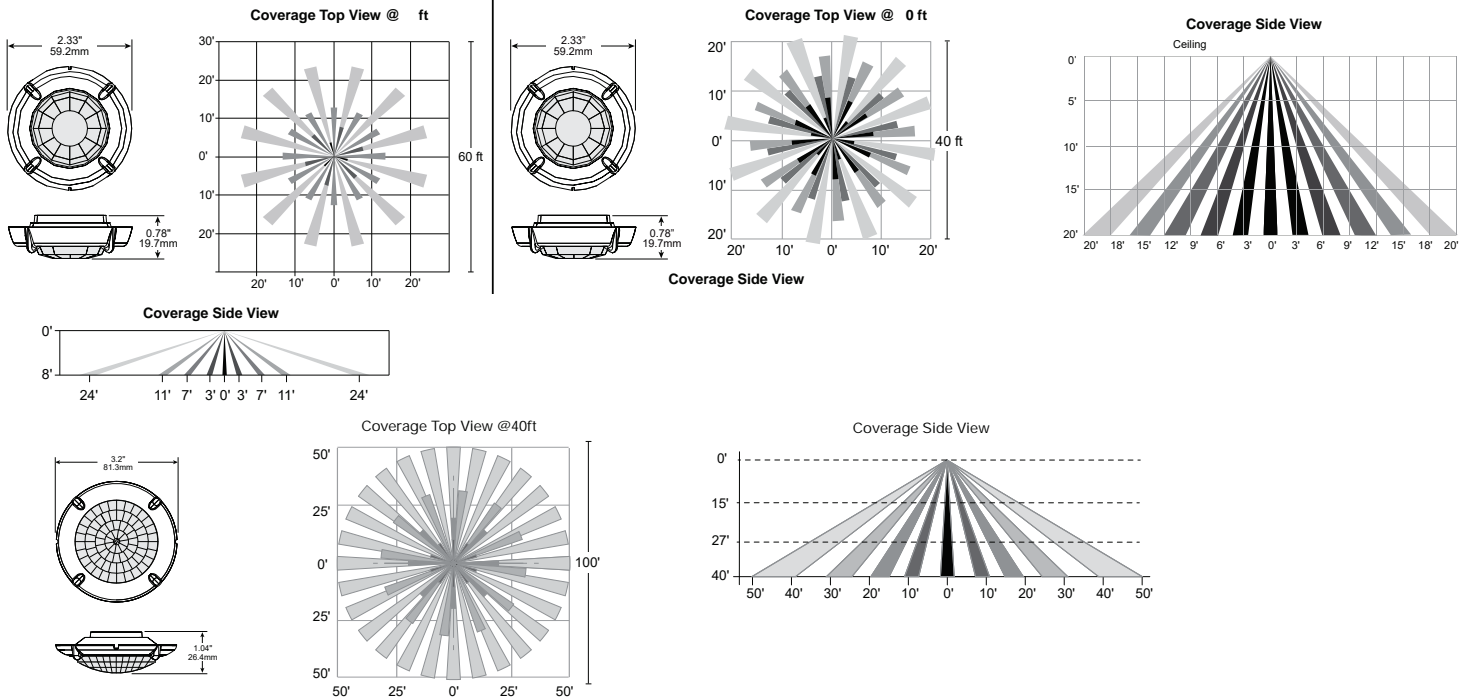
RWL1/RWL2 LED WALLPACK

## OUTDOOR LIGHTING CONTROLS OPTIONS

### CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description	Control Option Functionality									Control Option Components
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	SCP_F Sensor Control Programmable, sensor range, reference product specification for height selections	-	-	-	✓	✓	✓	✓	-	8ft or 40ft	SCP_F
	7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR

### COVERAGE PATTERNS FOR SCP\_F



# RATIO Wall

RWL1/RWL2 LED WALLPACK

## PERFORMANCE DATA: MICROSTRIKE

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
RWL1	10	10.1	3	1362	135	0	0	1	1355	134	0	0	1	1303	129	0	0	1	
			4W	1343	133	0	0	1	1336	132	0	0	1	1285	127	0	0	1	
	15	14.5	3	1972	136	1	0	1	1962	135	1	0	1	1887	130	1	0	1	
			4W	1945	134	0	0	1	1935	133	0	0	1	1861	128	0	0	1	
	20	19.9	3	2722	137	1	0	1	2709	136	1	0	1	2605	131	1	0	1	
			4W	2685	135	1	0	1	2672	134	1	0	1	2569	129	1	0	1	
	25	28.0	3	3749	134	1	0	1	3732	133	1	0	1	3588	128	1	0	1	
			4W	3698	132	1	0	1	3680	131	1	0	1	3538	126	1	0	1	
	35	36.9	3	4751	129	1	0	2	4728	128	1	0	2	4546	123	1	0	1	
			4W	4685	127	1	0	2	4663	126	1	0	2	4483	121	1	0	2	
	45	46.5	3	5812	125	1	0	2	5784	124	1	0	2	5562	120	1	0	2	
			4W	5731	123	1	0	2	5704	123	1	0	2	5485	118	1	0	2	
	RWL2	45	46.1	2	6701	145	1	0	2	6668	145	1	0	2	6412	139	1	0	2
				3	6812	148	1	0	2	6780	147	1	0	2	6519	141	1	0	2
4W				6678	145	1	0	2	6646	144	1	0	2	6390	139	1	0	2	
50		54.0	2	7747	143	1	0	2	7710	143	1	0	2	7413	137	1	0	2	
			4W	7720	143	1	0	2	7683	142	1	0	2	7388	137	1	0	2	
65		67.2	2	9539	142	1	0	2	9494	141	1	0	2	9129	136	1	0	2	
			3	9699	144	2	0	2	9652	144	2	0	2	9281	138	2	0	2	
			4W	9507	141	2	0	2	9461	141	2	0	2	9097	135	2	0	2	
80		80.8	2	11228	139	2	0	2	11174	138	2	0	2	10745	133	2	0	2	
			3	11416	141	2	0	2	11361	141	2	0	2	10924	135	2	0	2	
			4W	11190	138	2	0	2	11136	138	2	0	2	10708	133	2	0	2	
95		93.2	2	13148	141	2	0	2	13085	140	2	0	2	12582	135	2	0	2	
			3	13368	143	2	0	2	13304	143	2	0	2	12792	137	2	0	2	
			4W	13103	141	2	0	2	13040	140	2	0	2	12539	135	2	0	2	
115	109.8	2	15102	138	2	0	3	15030	137	2	0	3	14452	132	2	0	3		
		3	15354	140	2	0	3	15281	139	2	0	3	14693	134	2	0	3		
		4W	15050	137	2	0	3	14978	136	2	0	3	14402	131	2	0	3		
135	137.1	2	17533	128	2	0	3	17449	127	2	0	3	16778	122	2	0	3		
		3	17826	130	2	0	3	17740	129	2	0	3	17058	124	2	0	3		
		4W	17473	127	2	0	3	17389	127	2	0	3	16720	122	2	0	3		
155	156.8	2	19495	124	2	0	3	19402	124	2	0	3	18656	119	2	0	3		
		3	19821	126	2	0	3	19726	126	2	0	3	18967	121	2	0	3		
		4W	19542	125	2	0	3	19448	124	2	0	3	18700	119	2	0	3		

# RATIO Wall

RWL1/RWL2 LED WALLPACK

## PERFORMANCE DATA: STRIKE

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RWL2	39	45.1	2	5618	125	1	0	1	5723	127	1	0	1	5251	116	1	0	1
			3	5644	125	1	0	2	5749	127	1	0	2	5274	117	1	0	2
			4F	5662	126	1	0	2	5768	128	1	0	2	5291	117	1	0	2
			4W	5652	125	1	0	2	5757	128	1	0	2	5282	117	1	0	2
	55	63.1	2	7458	118	1	0	2	7659	121	1	0	2	6970	110	1	0	2
			3	7552	120	1	0	2	7694	122	1	0	2	7058	112	1	0	2
			4F	7577	120	1	0	2	7718	122	1	0	2	7081	112	1	0	2
			4W	7564	120	1	0	3	7705	122	1	0	3	7069	112	1	0	3
	85	88.0	2	10121	115	2	0	2	10311	117	2	0	2	9459	107	2	0	2
			3	10167	116	1	0	3	10357	118	1	0	3	9502	108	1	0	3
			4F	10200	116	1	0	2	10390	118	1	0	2	9532	108	1	0	2
			4W	10182	116	1	0	3	10372	118	1	0	3	9516	108	1	0	3
	105	111.7	2	12022	108	2	0	2	12247	110	2	0	2	11235	101	2	0	2
			3	12075	108	2	0	3	12301	110	2	0	3	11285	101	2	0	3
			4F	12115	108	1	0	3	12341	110	1	0	3	11322	101	1	0	2
			4W	12093	108	2	0	3	12319	110	2	0	3	11302	101	1	0	3
	120	126.2	2	12889	102	2	0	2	13130	104	2	0	2	12046	95	2	0	2
			3	12947	103	2	0	3	13189	105	2	0	3	12100	96	2	0	3
			4F	12989	103	1	0	3	13232	105	1	0	3	12139	96	1	0	3
			4W	12966	103	2	0	3	13208	105	2	0	3	12118	96	1	0	3



# RATIO Wall

RWL1/RWL2 LED WALLPACK

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS		
	0	25,000	TM-21-22 60,000
25°C / 77°F	1.00	0.91	0.83
40°C / 104°F	0.99	0.90	0.82

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

## MULTIPLIER

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791

Strike Lumen Multiplier			
CCT	70CRI	80CRI	90CRI
2700K	0.900	0.810	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1.000	0.900	0.732
5000K	1.000	0.900	0.732
Monochromatic Amber Multiplier			
Amber	See Amber Spec Sheet		

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

## ELECTRICAL DATA: MICROSTRIKE

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL1	10	120	0.08	10.1
		208	0.05	
		240	0.04	
		277	0.04	
		347	0.03	
		480	0.02	
	15	120	0.12	14.5
		208	0.07	
		240	0.06	
		277	0.05	
		347	0.04	
		480	0.03	
	20	120	0.17	19.9
		208	0.10	
		240	0.08	
		277	0.07	
		347	0.06	
		480	0.04	
	25	120	0.23	28.0
		208	0.13	
		240	0.12	
		277	0.10	
		347	0.08	
		480	0.06	
35	120	0.31	36.9	
	208	0.18		
	240	0.15		
	277	0.13		
	347	0.11		
	480	0.08		
45	120	0.39	46.5	
	208	0.22		
	240	0.19		
	277	0.17		
	347	0.13		
	480	0.10		

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL2	45	120	0.38	46.1
		208	0.22	
		240	0.19	
		277	0.17	
		347	0.13	
		480	0.10	
	50	120	0.45	54.0
		208	0.26	
		240	0.23	
		277	0.19	
		347	0.16	
		480	0.11	
	65	120	0.56	67.2
		208	0.32	
		240	0.28	
		277	0.24	
		347	0.19	
		480	0.14	
	80	120	0.67	80.8
		208	0.39	
		240	0.34	
		277	0.29	
		347	0.23	
		480	0.17	
	95	120	0.78	93.2
		208	0.45	
		240	0.39	
		277	0.34	
		347	0.27	
		480	0.19	
	115	120	0.92	109.8
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.14	137.1
		208	0.66	
		240	0.57	
		277	0.49	
		347	0.40	
		480	0.29	
	155	120	1.31	156.8
		208	0.75	
		240	0.65	
		277	0.57	
		347	0.45	
		480	0.33	

# RATIO Wall

RWL1/RWL2 LED WALLPACK

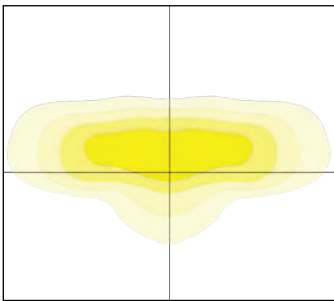
## ELECTRICAL DATA: STRIKE

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RWL2	39	120	0.38	45.1
		208	0.22	
		240	0.19	
		277	0.16	
		347	0.13	
		480	0.09	
	55	120	0.53	63.1
		208	0.30	
		240	0.26	
		277	0.23	
		347	0.18	
		480	0.13	
	85	120	0.73	88.0
		208	0.42	
		240	0.37	
		277	0.32	
		347	0.25	
		480	0.18	
	105	120	0.93	111.7
		208	0.54	
		240	0.47	
		277	0.40	
		347	0.32	
		480	0.23	
120	120	1.05	126.2	
	208	0.61		
	240	0.53		
	277	0.46		
	347	0.36		
	480	0.26		

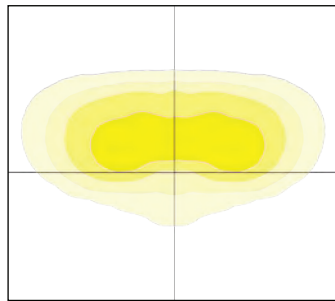
## PHOTOMETRY

Mounting Height: 30ft

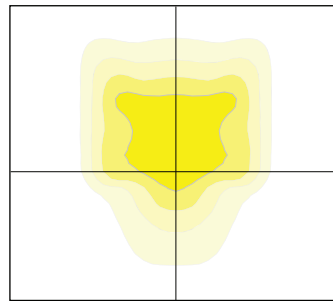
Type 2



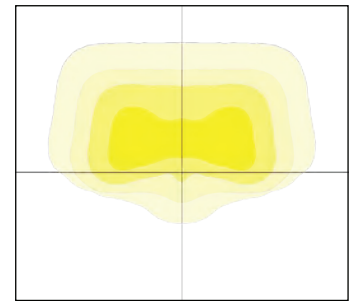
Type 3



Type 4F



Type 4W



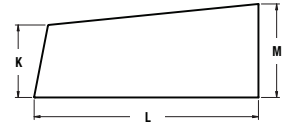
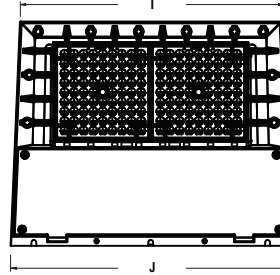
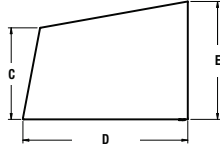
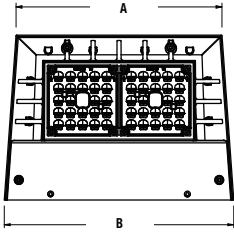
# RATIO Wall

RWL1/RWL2 LED WALLPACK

## DIMENSIONS

**RWL1**

**RWL2**

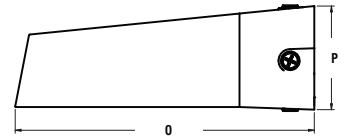
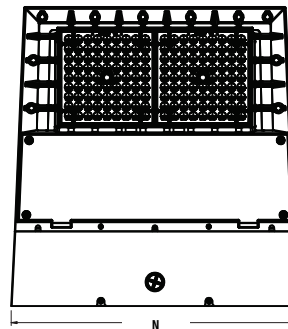
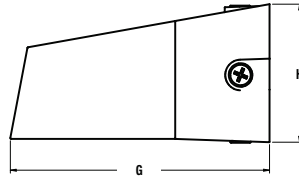
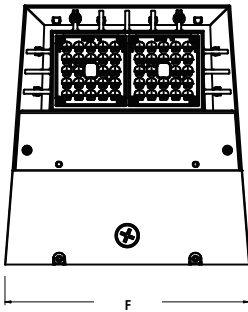


A	B	C	D	E	Weight
8.7"	9.7"	3.9"	7.0"	5.0"	6.5 lbs (2.95 kgs)
221mm	246mm	99mm	178mm	127mm	

I	J	K	L	M	Weight
14.0"	15.0"	3.9"	12.0"	5.0"	16.5 lbs (7.48 kgs)
356mm	381mm	99mm	305mm	127mm	

**RWL1 with  
Integral Back Box**

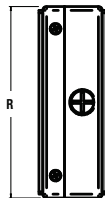
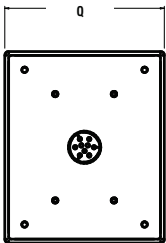
**RWL2 with  
Integral Back Box**



F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

N	O	P
15.4"	16.0"	5.5"
391mm	406mm	140mm

### Back Box Accessory



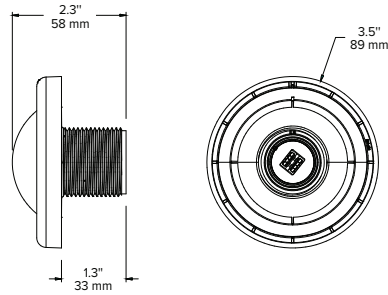
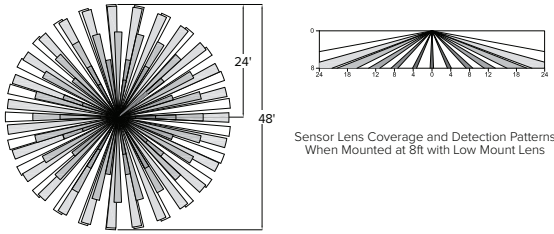
Q	R	S
4.9"	5.9"	2.1"
124mm	150mm	53mm

# RATIO Wall

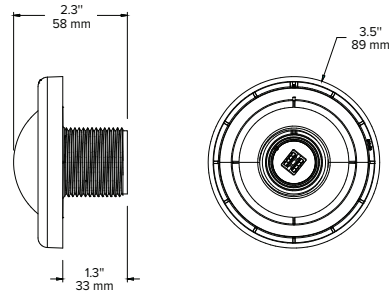
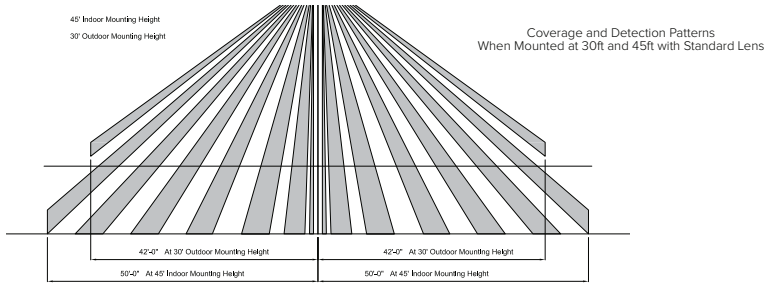
RWL1/RWL2 LED WALLPACK

## ADDITIONAL INFORMATION

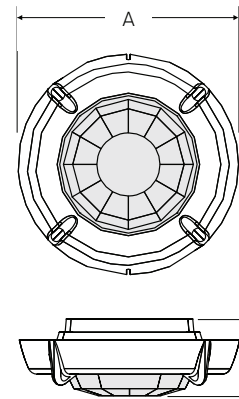
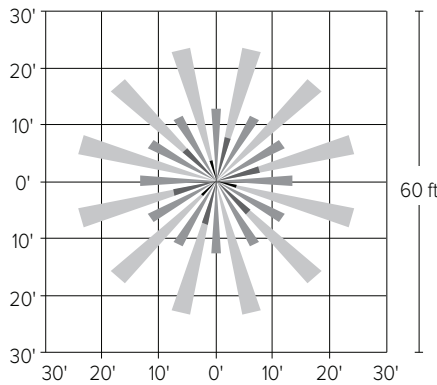
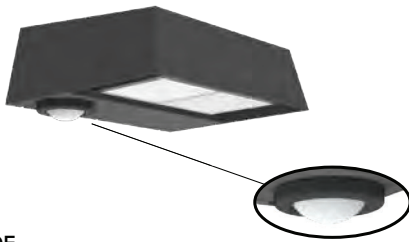
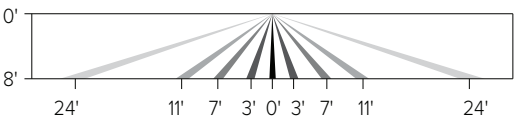
### NXSP-14F



### NXSP-40F

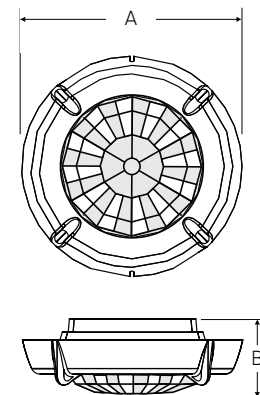
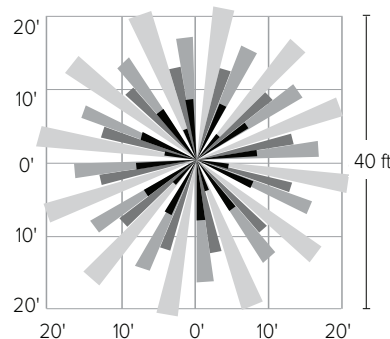
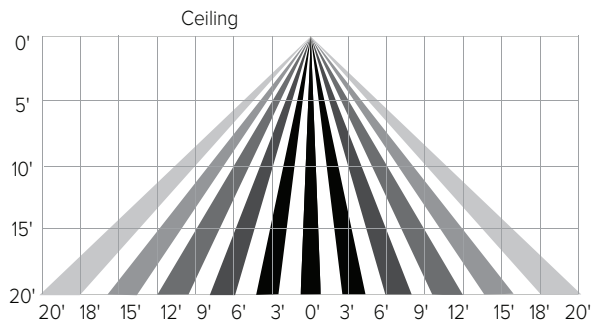


### SCP-8F



A	B
2.3" (59mm)	.8" (20mm)

### SCP-20F



A	B
2.3" (59mm)	.8" (20mm)