



# Architectural Review and Historic Preservation Board Agenda Report

Meeting Date 11/15/17

DATE: October 30, 2017

File: AR 17-39

TO: Architectural Review and Historic Preservation Board

FROM: Kimber Gutierrez, Associate Planner, (530) 879-6810,  
[kimber.gutierrez@chicoca.gov](mailto:kimber.gutierrez@chicoca.gov)

RE: Architectural Review 17-39 (Surf Thru Car Wash Esplanade)  
2573 Esplanade, APN 006-530-013

## RECOMMENDATION

Staff recommends that the Architectural Review and Historic Preservation Board adopt the required findings contained in the agenda report and approve the proposed project, subject to the recommended conditions.

### Proposed Motion

I move that the Architectural Review and Historic Preservation Board adopt the required findings contained in the agenda report and approve Architectural Review 17-39 (Surf Thru Car Wash Esplanade), subject to the recommended conditions.

## BACKGROUND

The project involves demolition of an existing motel and construction of a new car wash facility located at 2573 Esplanade, between East Avenue and Panama Avenue (see **Attachment A**, Location Map). The site is zoned CC-AOD-COS (Community Commercial with Aircraft Overflight Zone D and Corridor Opportunity Site overlay) and is designated Commercial Mixed Use by the City of Chico General Plan Land Use Diagram.

On 10/24/17, the Zoning Administrator approved Use Permit 17-19, authorizing a car wash facility at the site.

The proposed project involves demolition of the existing motel and construction of a new automated car wash facility. New site improvement would include 22 covered vacuum stations with solar panels, landscaping, a trash enclosure, and lighting (see Project Description and Design Guidelines Statement, **Attachment B** and Site Plan, **Attachment C**).

The new car wash facility would be approximately 5,000 square-feet in size. The building would include different heights of towers, parapets, and roof elements ranging between 17- and 34-feet with concrete tile roofing material (see Building Exterior Elevations, **Attachment D**). The car wash exterior would feature brown earth-tone colors with a variety of detail elements including a cultured stone veneer, decorative medallions and columns (see Building Color Elevations, **Attachment E** and Color and Materials Board, **Attachment F**).

Two new 11-foot canopies (large carports) are proposed to cover customer parking and vacuum stations (see Building Exterior Elevations, **Attachment D**). The canopies would be situated on the south side of the car wash facility and would match several characteristics of

the main car wash building. Per the Applicant's project description (**Attachment B**), the canopies would include solar panels.

Approximately 12,000 square-feet of landscaping is proposed throughout the project site. The landscape buffers would include various shrub and perennial arrangements, which would work in conjunction with various ornamental trees including eastern redbud, autumn splendor maple, and Chinese pistache. There are several existing trees along the north, west and south property lines. The applicant is proposing to retain all existing trees. Existing and proposed shade trees in addition to the solar panel canopies in the proposed parking area are estimated to achieve 55 percent shading at landscape maturity (see Landscape Plan, **Attachment G**).

The site plan (**Attachment C**) shows a new parking configuration totaling 22 on-site customer parking spaces and eight on-site employee parking spaces, exceeding minimum code requirements. Three new inverted-u bike racks are proposed near the northerly vacuum canopy of the car wash building that can support six bicycles (see Bike Rack Specifications, **Attachment H**). A new gated concrete-block trash enclosure is proposed near the southerly access drive on Esplanade. The exterior of the enclosure is proposed to match the main building's façade (see Trash Enclosure Details, **Attachment I**).

Lighting would be placed throughout the parking area and along the drive-through lanes. The lights would be mounted on 18-foot poles (see Lighting Specifications, **Attachment J**).

## **DISCUSSION**

The project is consistent with several General Plan goals and policies, including those that encourage development and redevelopment of designated North Esplanade Opportunity Site (LU-5.1), promote compatible infill development (LU-4), and endorse revitalization of existing neighborhoods (H.5). The predominantly drought tolerant species selected for the landscaping are consistent with sustainability policies that promote water conservation and energy efficiency (SUS-4.2).

The proposal is consistent with Design Guidelines (DGs) that call for enhancing safety and security through architecture, site design and exterior lighting (DG 1.1.35, 1.5.11 and 2.1.12). The site and landscape design of the proposed project provides adequate shading and screening features to minimize the views of the parking areas, drive aisles and utility equipment (DG 1.1.14, 2.1.25, 2.1.28 and 2.2.28). The architecture and site design create new accessibility and linkage to the surrounding shopping center and provides consistent development that does not overwhelm the area (DG 1.2.12 and 1.2.13). The project is consistent with DGs, as discussed in the applicant's project description (see **Attachment B**).

Overall, the proposed project would revitalize an underutilized and dilapidated site. The proposed development is appropriate for the location and compatible with surrounding commercial and residential uses.

## **REQUIRED FINDINGS FOR APPROVAL**

### Environmental Review

The project has been determined to be categorically exempt pursuant to the California

Environmental Quality Act (CEQA) Guidelines Section 15332 (In-Fill Development Projects). Consistent with this exemption, the project is: consistent with the applicable general plan designation, zoning regulations, and general plan policies; is less than five acres in size, substantially surrounded by urban uses; has no habitat value for special status species; will not result in any significant impacts regarding traffic, noise, air quality, or water quality; and can be adequately served by all required utilities and public services.

### Architectural Review

According to the CMC Section 19.18.060, the Architectural Review and Historic Preservation Board shall determine whether or not a project adequately meets adopted City standards and design guidelines, based upon the following findings:

1. *The proposed development is consistent with the General Plan, any applicable specific plan, and any applicable neighborhood or area plans.*

The proposal is consistent with General Plan goals and policies, including those that encourage redevelopment within the designated North Esplanade Opportunity Site (LU-5.1), promote compatible infill development (LU-4), and endorse rehabilitation of existing neighborhoods (H.5). The predominantly drought tolerant species selected for the landscaping are consistent with sustainability policies that promote water conservation and energy efficiency (SUS-4.2). The project is not located within a specific plan or neighborhood plan.

2. *The proposed development, including the character, scale, and quality of design are consistent with the purpose/intent of this chapter and any adopted design guidelines.*

The proposal is consistent with Design Guidelines (DGs) that call for enhancing safety and security through building architecture, site design and exterior lighting (DG 1.1.35, 1.5.11 and 2.1.12). The site and landscape design of the proposed project provides adequate shading and screening features to minimize the views of the parking areas, drive-through and utility equipment (DG 1.1.14, 2.1.25, 2.1.28 and 2.2.28). The architectural and site design create new accessibility and linkage to the surrounding shopping center and provides consistent development that does not overwhelm the area (DG 1.2.12 and 1.2.13).

3. *The architectural design of structures, including all elevations, materials and colors are visually compatible with surrounding development. Design elements, including screening of equipment, exterior lighting, signs, and awnings, have been incorporated into the project to further ensure its compatibility with the character and uses of adjacent development.*

The design, materials and colors of the proposed new building include a variety of depths and architectural features visually compatible with the adjacent shopping center, and are not anticipated to be incompatible with future commercial development in the area.

4. *The location and configuration of structures are compatible with their sites and with surrounding sites and structures, and do not unnecessarily block views from other structures or dominate their surroundings.*

The proposed structures are compatible with the existing shopping center as well as the surrounding development. The height, massing, and placement of the proposed project would not block any existing views or dominate the existing surroundings.

5. *The general landscape design, including the color, location, size, texture, type, and coverage of plant materials, and provisions for irrigation and maintenance, and protection of landscape elements, have been considered to ensure visual relief, to complement structures, and to provide an attractive environment.*

Several different types of trees and shrubs are provided in the project which would provide a variety of structure, color and coverage. The proposed landscaping would provide visual relief for the proposed building, adequate shading of the queuing and parking area and screening of the development from adjacent businesses.

## **RECOMMENDED CONDITIONS OF APPROVAL**

1. The front page of all approved building plans shall note in bold type face that the project shall comply with Architectural Review 17-39 (Surf Thru Car Wash Esplanade). No building permits related to this approval shall receive final approval without authorization of Community Development Department Planning staff.
2. All development shall comply with all other State and local Code provisions, including those of the City of Chico Community Development and Public Works Departments. The permittee is responsible for contacting these offices to verify the need for compliance.
3. All wall-mounted utilities and roof or wall penetrations, including vent stacks, utility boxes, exhaust vents, gas meters and similar equipment, shall be screened by appropriate materials and colors. Adequate screening shall be verified by Planning staff prior to issuance of a certificate of occupancy.
4. All proposed signage shall be reviewed under a separate permit and in compliance with CMC 19.74.
5. All new electric, telephone, and other wiring conduits for utilities shall be placed underground in compliance with CMC 19.60.120.

## **PUBLIC CONTACT**

Public notice requirements are fulfilled by placing a notice on the project site and by posting of the agenda at least 10 days prior to the ARHPB meeting.

## **DISTRIBUTION**

Internal (3)

Mike Sawley, Senior Planner

Kimber Gutierrez, Associate Planner

File: AR 17-39

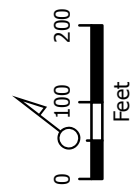
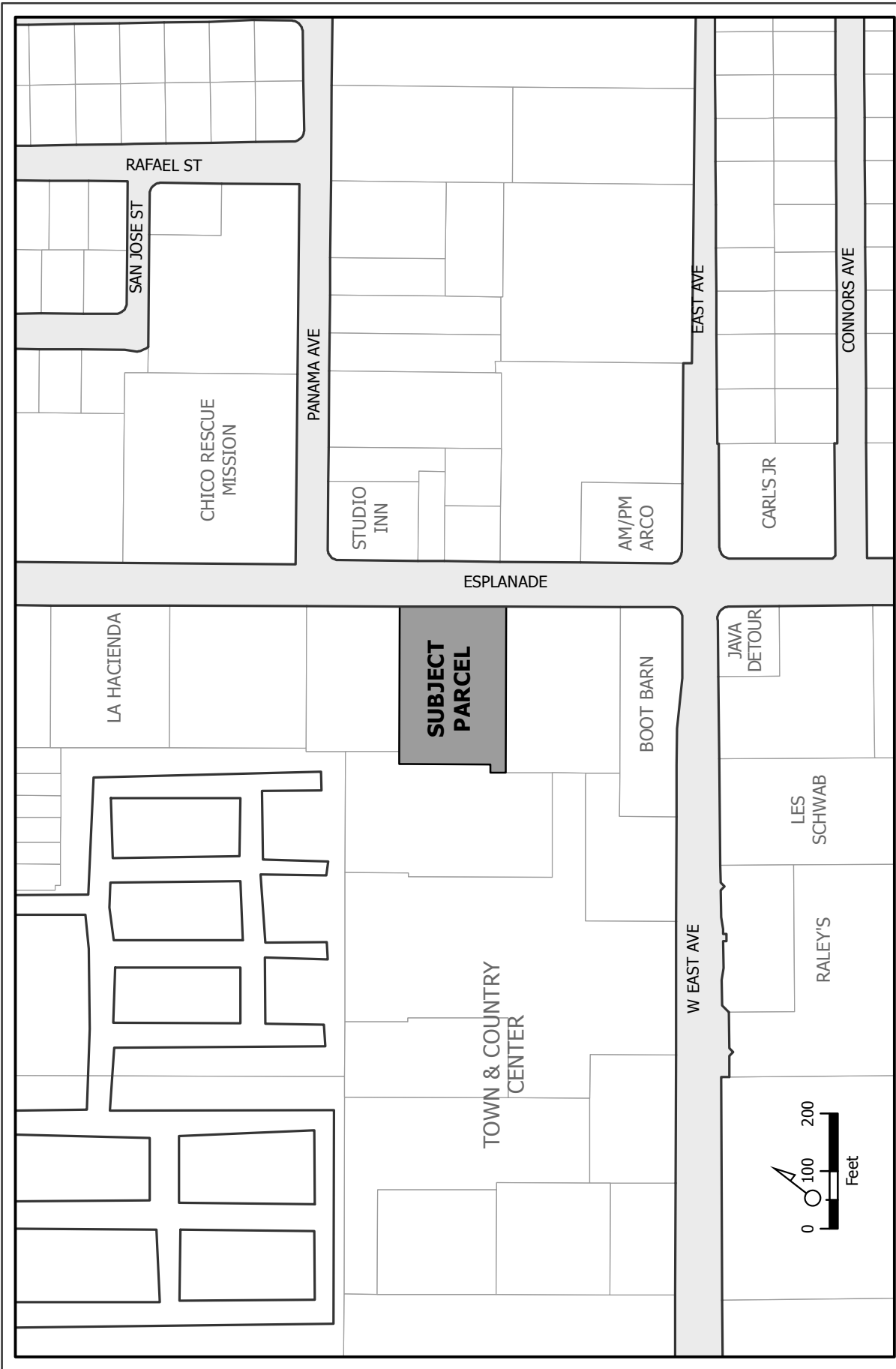
External (2)

V.A.I., Attn: Robert Vermeltfoort, 8525 North Cedar Avenue #106, Fresno, CA 93720  
Scott Howry, 2701 Brighton Park Drive, Bakersfield, CA 93311

**ATTACHMENTS**

- A. Location Map
- B. Project Description and Design Guidelines Statement
- C. Site Plan
- D. Building Exterior Elevations
- E. Building Color Elevations
- F. Color and Materials Board
- G. Landscape Plan
- H. Bicycle Rack Specifications
- I. Trash Enclosure Details
- J. Lighting Specifications

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AR 17-39 (Surf Thru Car Wash Esplanade)  
 2573 Esplanade  
 APN 006-530-013-000

Vermeltoort Architects Inc.  
Architecture and Planning

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AUG 15 2017

CITY OF CHICO  
PLANNING SERVICES

MEMORANDUM

DATE: August 11, 2017

TO: City of Chico - Community Development Department  
Jake Morley (Associate Planner)

FROM: Robert Vermeltoort

RE: Surf Thru Carwash (APN 006-530-013-000)

PROJECT #: 17001.1

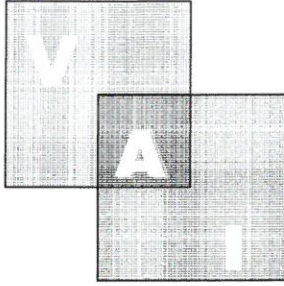
The following is a description of our project, based on applicable items from the Design Guidelines from the City of Chico Design Guideline Manual, Chapters 1 and 2. The building elevations we have proposed were designed to be aesthetically pleasing from both the street side, as well as from within the shopping center. Different heights of towers, parapets, and roof elements provide building depth and create shadow lines. Our canopies, which are used for vacuum stations, also contain solar panels on the roof of the canopies. Surf Thru signage is being placed on the towers and areas facing the street, to draw vehicles onto the site. The signs being proposed are sized appropriately for the areas of the building in which they are being installed. These signs are back-lit, producing a soft glow, and therefore not impacting neighboring properties.

Building mounted light fixtures provide accent lighting to the building facade, as well as creating a lit and safe area around the site. Lighting will be shielded, and focused on the building, as to create minimal glare and reflections into open spaces or neighboring properties. Pole-mounted parking lot light fixtures will be proposed at the recommended height of 18 feet.

All items to allow pedestrians safe and easily accessible access to the site have been addressed; including, but not limited to ample bicycle parking areas, pedestrian walkways, sidewalks, lighting, striping, and benches.

Shrubs will be added to block the cueing lines of cars at the entrance end to the car wash tunnel. Trees and shrubs matching neighboring parcels will be provided in the landscape frontage shielding vehicles from the public right-of-way, quantity and size designed per city code standard.

The trash bins will be located within a 6 foot tall CMU enclosure with metal gates, along with necessary landscaping tall enough to soften the trash enclosure walls.



**Vermeltfoort Architects Inc.**  
**Architecture and Planning**

**RECEIVED**

**OCT 16 2017**

**CITY OF CHICO  
PLANNING SERVICES**

## **MEMORANDUM**

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**DATE:** September 21, 2017

**TO:** City of Chico – Community Development Department  
Attn: Jake Morley (Associate Planner)

**FROM:** Robert Vermeltfoort

**RE:** Surf Thru Carwash @ 2573 Esplanade  
(APN #: 006-530-013-000)

**PROJECT #:** 17001.1

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The following is a description of our project, based on applicable items from the Design Guidelines from the City of Chico Design Guideline Manual, Chapters 1 and 2.

Chapter 1 (Community Design):

- 1) Site Design
  - 1.1.1 The building elevations we have proposed were designed to be aesthetically pleasing from the street side, as well as from within the shopping center, while trying to keep with the same architecture as the adjacent shopping center.  
Trees and shrubs will be provided to screen necessary utility equipment from view, as well as shielding vehicles from the public right-of-way.
  - 1.1.2 There is an existing sheltered transit stop just south of our property.
  - 1.1.3 We provide architectural benches & trash cans for customer access.
  - 1.1.4 Parks and open space – N/A.
- 2) Architecture
  - 1.2.1 Our proposed building matches the same scale and mass as the adjacent shopping center, and does not overwhelm the neighborhood.
  - 1.2.2 Different heights of towers, parapets, and roof elements provide character while creating building depth and shadow lines.
  - 1.2.3 Materials and colors, along with architectural details have been shown on our elevations, to enhance the neighborhood and surrounding shopping centers.



- 3) Downtown
  - 1.3.1 Materials and colors, along with architectural details have been shown on our elevations, to enhance the neighborhood and surrounding shopping centers. The building elevations we have proposed were designed to be aesthetically pleasing from the street side, as well as from within the shopping center, while trying to keep with the same architecture as the adjacent shopping center.
  - 1.3.2 Street intersections – N/A.
  - 1.3.3 Public art – N/A.
  - 1.3.4 We provide architectural bicycle racks, benches, and trash cans for customer access.
  - 1.3.5 “Surf Thru” signage is being placed on the towers and areas facing the street, to draw vehicles onto the site. The signs being proposed are sized appropriately for the areas of the building in which they are being installed. These signs are back-lit, producing a soft glow, and therefore not impacting neighboring properties.
  - 1.3.6 Façade remodels – N/A.
  - 1.3.9 Materials and colors, along with architectural details have been shown on our elevations, to enhance the neighborhood and surrounding shopping centers.
- 4) Art in Public Spaces
  - 1.4.1 Public art – N/A.
- 5) Exterior Lighting
  - 1.5.1 Building mounted light fixtures provide accent lighting to the building facade, as well as creating a lit and safe area around the site. Lighting will be shielded, and focused on the building, as to create minimal glare and reflections into open spaces or neighboring properties. Pole-mounted parking lot light fixtures will be proposed at the recommended height of 18 feet.
- 6) Signage
  - 1.6.1 Our proposed monument sign is pedestrian-scaled and low to the ground, and will use similar finishes as the carwash building.
- 7) Energy Conservation
  - 1.7.1 Our canopies, which are used for vacuum stations, also contain solar panels on the roof of the canopies.
- 8) Corporate Architecture
  - 1.8.1 “Surf Thru” signage is being placed on the towers and areas facing the street, to draw vehicles onto the site. The signs being proposed are sized appropriately for the areas of the building in which they are being installed.

Chapter 2 (Commercial & Commercial Mixed-Use Project Types):

- 1) Site Design
  - 2.1.1 The building elevations we have proposed were designed to be aesthetically pleasing from the street side, as well as from within the shopping center, while trying to keep with the same architecture as the adjacent shopping center.
  - 2.1.2 All items to allow pedestrians safe and easily accessible access to the site have been addressed; including, but not limited to ample bicycle parking areas, pedestrian walkways, sidewalks, lighting, striping, and benches.  
Shrubs will be added to block the cueing lines of cars at the entrance end to the car wash tunnel. Trees and shrubs will be provided to shield vehicles from the public right-of-way, quantity and size designed per city code standard.
  - 2.1.3 Our bicycle rack, benches, and trash cans have been located under the vacuum canopies.

Trees and shrubs will be provided to screen necessary utility equipment from view, quantity and size designed per city code standard.

The trash bins will be located within a 6 foot tall CMU enclosure with metal gates, along with necessary landscaping tall enough to soften the trash enclosure walls.

2) Architecture

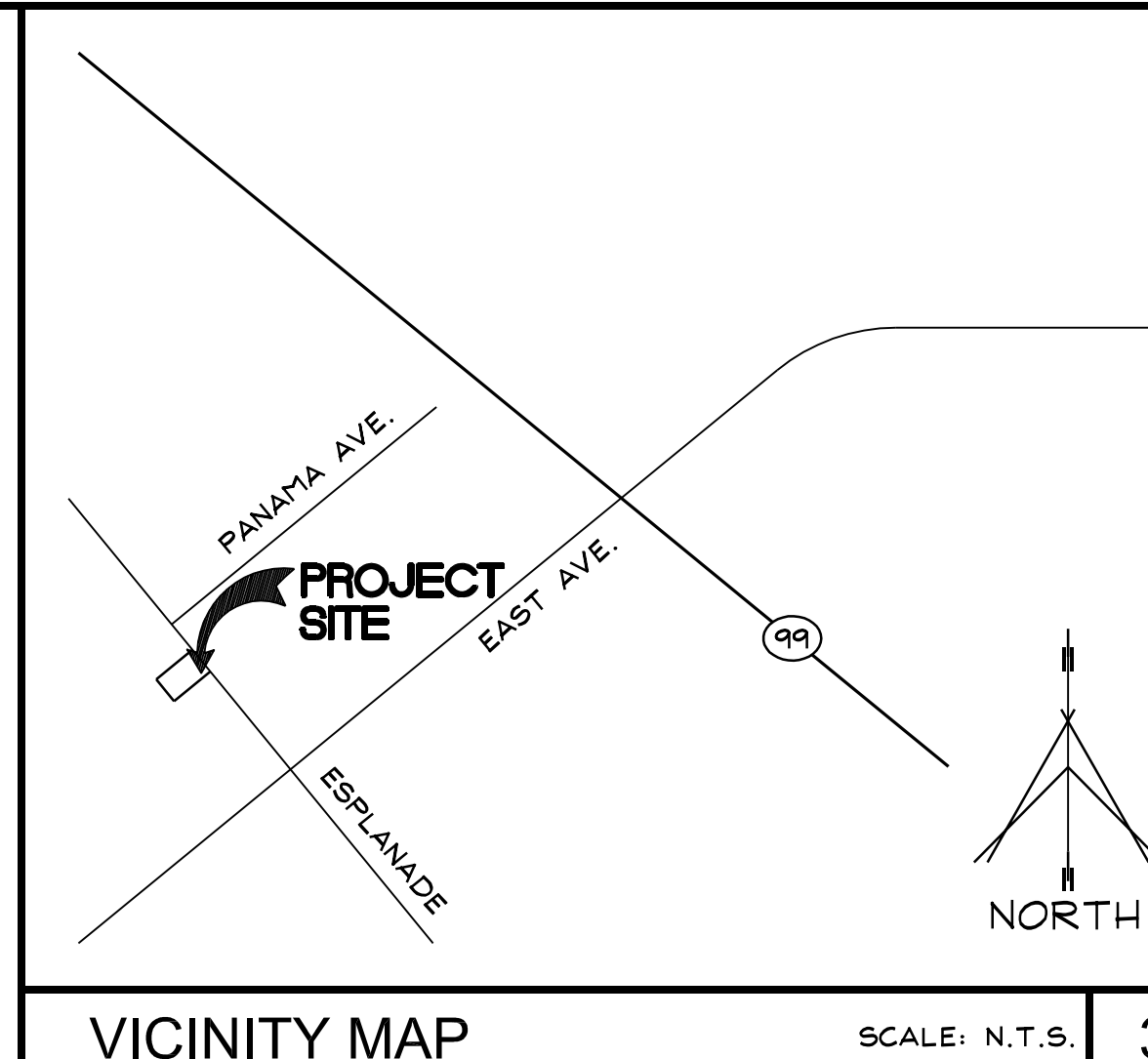
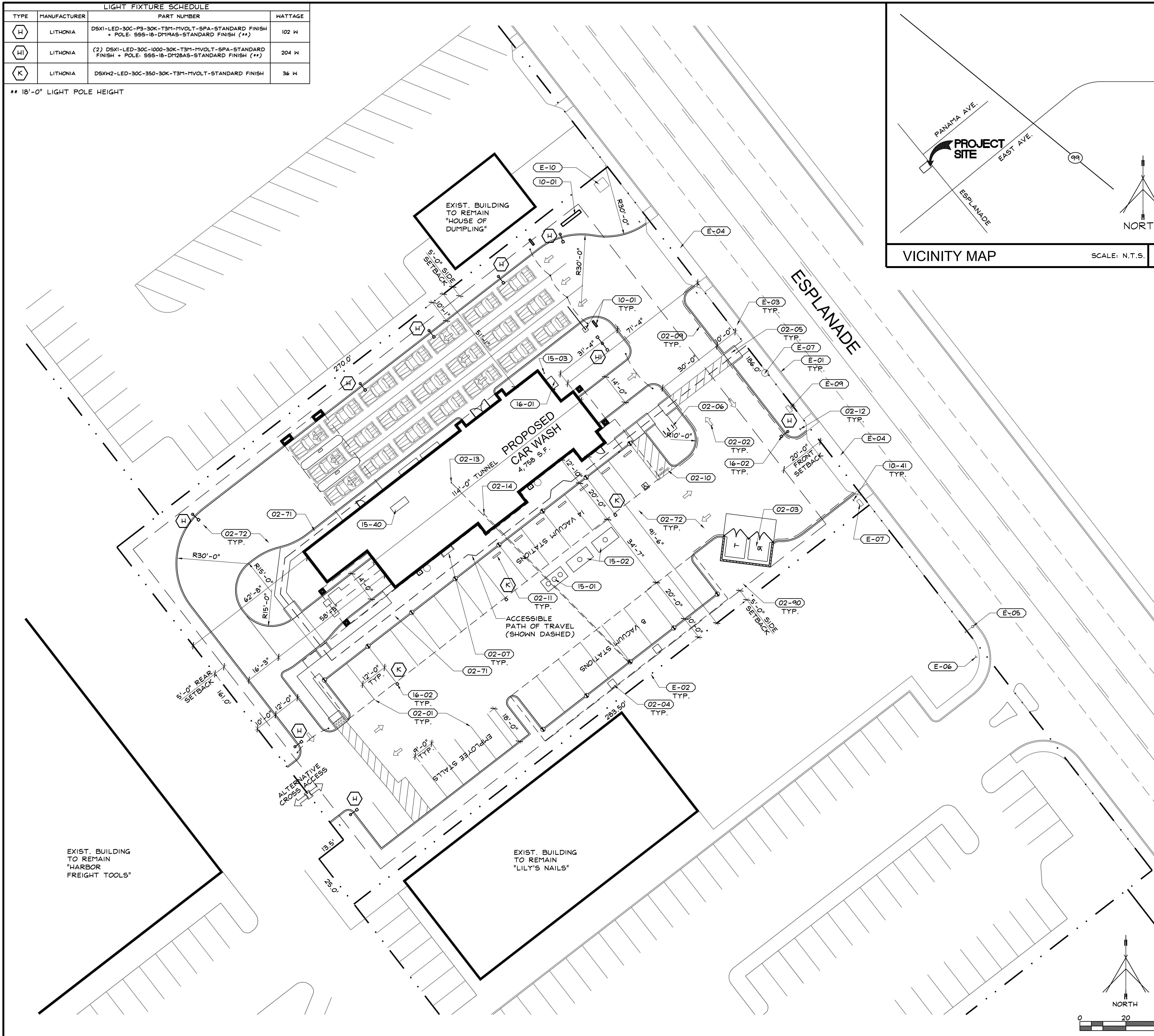
2.2.1 Our proposed building matches the same scale and mass as the adjacent shopping center, and does not overwhelm the neighborhood.

2.2.2 Different heights of towers, parapets, and roof elements provide character while creating building depth and shadow lines.

2.2.3 Materials and colors, along with architectural details have been shown on our elevations, to enhance the neighborhood and surrounding shopping centers.

LIGHT FIXTURE SCHEDULE			
TYPE	MANUFACTURER	PART NUMBER	WATTAGE
H	LITHONIA	DSX1-LED-30C-P3-30K-T3M-MVOLT-SPA-STANDARD FINISH + POLE: 555-18-DM19AS-STANDARD FINISH (**)	102 W
HI	LITHONIA	(2) DSX1-LED-30C-1000-30K-T3M-MVOLT-SPA-STANDARD FINISH + POLE: 555-18-DM28AS-STANDARD FINISH (**)	204 W
K	LITHONIA	DSXV2-LED-30C-350-30K-T3M-MVOLT-STANDARD FINISH	36 W

\*\* 18'-0" LIGHT POLE HEIGHT



- E-01 EXIST. CURB, & GUTTER TO REMAIN, PROTECT FROM DAMAGE.
- E-02 EXIST. PROPERTY LINE TO REMAIN.
- E-03 EXIST. SIDEWALK TO REMAIN.
- E-04 APPROX. LOCATION OF EXIST. DRIVEWAY TO REMAIN.
- E-05 EXIST. LIGHT POLE TO REMAIN.
- E-06 EXIST. FIRE HYDRANT TO REMAIN.
- E-07 EXIST. TELEPHONE BOX TO REMAIN (VERIFY IN FIELD).
- E-08 EXIST. WATER BOX TO REMAIN (VERIFY IN FIELD).
- E-09 EXIST. TRANSFORMER TO REMAIN (VERIFY IN FIELD).

- 02-01 <N> PARKING LOT STRIPING PER CITY STANDARDS.
- 02-02 <N> DIRECTIONAL ARROW STRIPING, PER CITY STANDARDS, SEE 15/A102.
- 02-03 <N> TRASH ENCLOSURE, PER CITY STANDARD, SEE 4/A103.
- 02-04 NEW 3'-0"x3'-0" CONC. PAD FOR TRASH CONTAINER.
- 02-05 <N> CONC. RAMP w/ TRUNCATED DOMES, SEE 11 & 12/A102.
- 02-06 (3) 1-LOOP BIKE RACK, "ULINE #H-2892", SEE 16/A103.
- 02-07 <N> BENCH - "KEYSTONE RIDGE DESIGNS, READING SERIES RE26, NANTUCKET BLUE".
- 02-08 "STONEWEAR TC3630" TUSCAN SERIES PLANTER SECURITY BARRICADE.
- 02-09 PAINT CURB RED w/ WHITE "NO PARKING FIRE LANE" LETTERS @ MAX. 25' APART (SHOWN DASHED).
- 02-10 PAINT IN WHITE 12" HIGH LETTERS "NO PARKING"
- 02-11 <N> CONC. WHEEL STOP, SEE 7/A102.
- 02-12 <N> "UNAUTHORIZED VEHICLE SIGN, SEE 13/A102.
- 02-13 (2) 2" CONDUIT w/ LONG SWEEP ELBOWS FOR AIR LINES & CAMERA/MUSIC.
- 02-14 (2) 6" DIA. PVC VACUUM LINE - PROVIDE 6" DIA. PVC CLEAN OUT IN DRIVEWAY.
- 02-70 <N> CONC. PAVING.
- 02-71 <N> CONC. SIDEWALK.
- 02-72 <N> CONC. PAVING.
- 02-90 <N> LANDSCAPING.
- 10-01 <N> CAR WASH SIGNAGE, UNDER SEPARATE REVIEW & PERMIT.
- 10-41 INSTALL 30" STATE STANDARD "STOP" SIGN, SIGN SHALL BE MOUNTED ON 2" GALV. POST w/ THE BOTTOM OF SIGN 7'-0" ABOVE FINISH GROUND.
- 15-01 JENSEN #JP1500SO CONC. SAND/OIL SEPARATOR.
- 15-02 JENSEN #HP1500 CONC. HOLDING TANK.
- 15-03 RELOCATED FIRE SPRINKLER LINE.
- 15-40 ROOF MOUNTED MECHANICAL EQUIPMENT.
- 16-01 MAIN ELECTRICAL PANEL.
- 16-02 LIGHT FIXTURE LOCATIONS w/ 18'-0" POLE HEIGHT, PER PHOTOMETRIC PLAN, SEE "LIGHT FIXTURE SCHEDULE" FOR FIXTURE INFO.

**KEYNOTES** 3

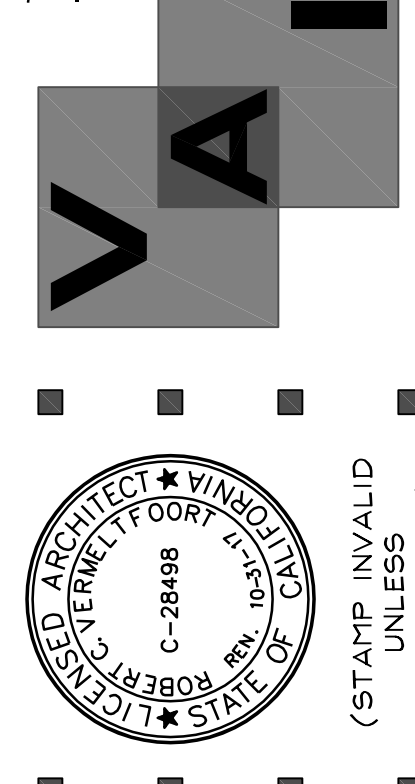
<b>ADDRESS:</b> 2573 ESPLANADE CHICO, CALIFORNIA	
<b>SITE INFORMATION:</b>	
A.P.N.	006-530-013-000
SITE AREA:	1.17 ACRES (50,530 S.F.)
<b>ZONING:</b>	CITY OF CHICO
GENERAL PLAN:	CITY OF CHICO
PERVIOUS AREA:	12,399 S.F. (24.5%)
IMPERVIOUS AREA:	33,372 S.F. (66.1%)
BUILDING AREA:	4,759 S.F. (9.4%)
<b>BUILDING AREA:</b>	
CAR WASH BUILDING:	4,758 S.F.
BLDG. LOT COVERAGE:	9.4%
<b>PARKING:</b>	
EMPLOYEE:	8 PARKING STALLS **1 VAN ACCESSIBLE STALL
COVERED PARKING: (VACUUM STATIONS)	22 PARKING STALLS **1 VAN ACCESSIBLE STALL

**SITE INFORMATION** 4

NO.	DATE	REVISION

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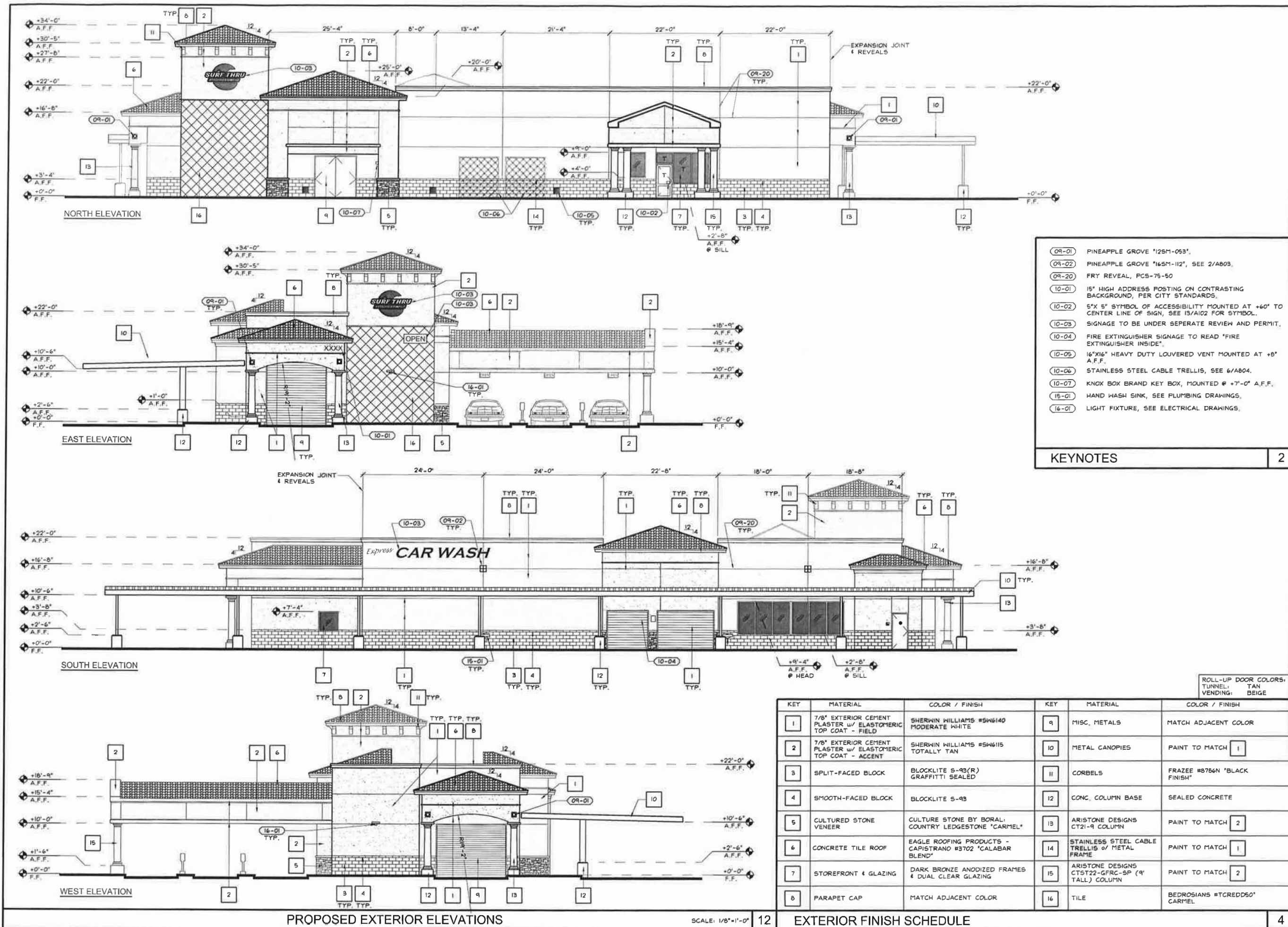
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**Vermelfoort Architects, Inc.**  
 Architecture and Planning  
 8525 North Cedar Avenue  
 Suite 106  
 Fresno, California 93720  
 Office: 559.432.6744  
 Fax: 559.432.6745



**SURF THRU CAR WASH**  
**2573 ESPLANADE**  
 CHICO, CALIFORNIA 95973  
**PROPOSED SITE PLAN**

ISSUE DATE:	5-3-17
REV. DATE:	
PROJECT NO.:	17001.1
DRAWN BY:	NL
SHEET:	

**A101**

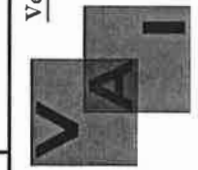


- KEYNOTES** 2
- (09-01) PINEAPPLE GROVE '125M-053'
  - (09-02) PINEAPPLE GROVE '165M-112', SEE 2/AB03.
  - (09-20) FRY REVEAL, PCS-75-50
  - (10-01) 15' HIGH ADDRESS POSTING ON CONTRASTING BACKGROUND, PER CITY STANDARDS.
  - (10-02) 5'X 5' SYMBOL OF ACCESSIBILITY MOUNTED AT +60" TO CENTER LINE OF SIGN, SEE 15/A102 FOR SYMBOL.
  - (10-03) SIGNAGE TO BE UNDER SEPERATE REVIEW AND PERMIT.
  - (10-04) FIRE EXTINGUISHER SIGNAGE TO READ 'FIRE EXTINGUISHER INSIDE'
  - (10-05) 16"X16" HEAVY DUTY LOUVERED VENT MOUNTED AT +8" A.F.F.
  - (10-06) STAINLESS STEEL CABLE TRELLIS, SEE 6/AB04.
  - (10-07) KNOX BOX BRAND KEY BOX, MOUNTED @ +7'-0" A.F.F.
  - (15-01) HAND WASH SINK, SEE PLUMBING DRAWINGS.
  - (16-01) LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.

DATE	REVISION

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**Vermelfort Architects, Inc.**  
 Architecture and Planning  
 8525 North Cedar Avenue  
 Suite 106  
 Fresno, California 93720  
 Office: 559.432.6744  
 Fax: 559.432.6745



**SURF THRU CAR WASH**  
**2573 ESPLANADE**  
 CHICO, CALIFORNIA 95973  
 EXTERIOR ELEVATIONS

ISSUE DATE:	5-3-17
REV. DATE:	
PROJECT NO.:	17001_1
DRAWN BY:	NL
SHEET:	A300



NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

PROPOSED EXTERIOR ELEVATIONS

SCALE: 1/8"=1'-0" 12

Attachment E

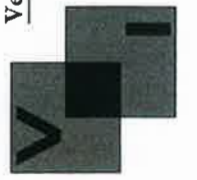
NO.	DATE	REVISION

CITY OF CHICAGO  
PLANNING SERVICES

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Suite 106  
Fresno, California 93720  
Office: 559.432.6744  
Fax: 559.432.6745



**SURF THRU CAR WASH**  
**2573 ESPLANADE**  
**CHICO, CALIFORNIA 95973**  
EXTERIOR ELEVATIONS

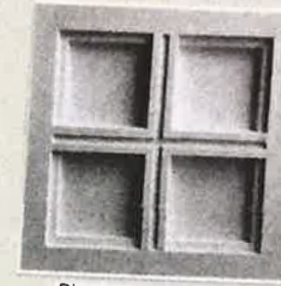
ISSUE DATE:	5-3-17
REV. DATE:	
PROJECT NO.:	17001.1
DRAWN BY:	NL
SHEET:	A300



Concrete Tile Roof ('S' Type)  
Eagle #3702 "Calabar Blend"



2573 Esplanade  
Chico, California



Pineapple Grove  
#16SM-112



Pineapple Grove  
#12SM-053



Tile (20"x20")  
Bedrosians #TCREDD50 "Carmel"



Sherwin Williams  
#SW6140 "Moderate White"

Frazer  
#8786N "Black Finish"

Sherwin Williams  
#SW6115 "Totally Tan"



Cultured Stone by Boral  
Country LedgeStone "Carmel"

KEY	MATERIAL	COLOR / FINISH	KEY	MATERIAL	COLOR / FINISH
1	3/8" EXTERIOR CEMENT PLASTER w/ ELASTOMERIC TOP COAT - FIELD	SHERWIN WILLIAMS #SW6140 MODERATE WHITE	9	MISC METALS	MATCH ADJACENT COLOR
2	3/8" EXTERIOR CEMENT PLASTER w/ ELASTOMERIC TOP COAT - ACCENT	SHERWIN WILLIAMS #SW6115 TOTALLY TAN	10	METAL CANOPIES	PAINT TO MATCH 1
3	SPLIT-FACED BLOCK	BLOCKLITE 5-43(R) GRAFFITI SEALED	11	CORBELS	FRAZER #8786N "BLACK FINISH"
4	SMOOTH-FACED BLOCK	BLOCKLITE 5-43	12	CONC COLUMN BASE	SEALED CONCRETE
5	CULTURED STONE VENEER	CULTURE STONE BY BORAL COUNTRY LEDGESTONE "CARMEL"	13	ARISTONE DESIGNS CT21-R COLUMN	PAINT TO MATCH 2
6	CONCRETE TILE ROOF	EAGLE ROOFING PRODUCTS CAPISTRANO #3702 "CALABAR BLEND"	14	STAINLESS STEEL CABLE TRELLIS w/ METAL FRAME	PAINT TO MATCH 1
7	STONEFRONT # GLAZING	DARK BRONZE ANODIZED FRAMES & DUAL CLEAR GLAZING	15	ARISTONE DESIGNS CT8T22-GPRC-SP (4" TALL) COLUMN	PAINT TO MATCH 2
8	PARAPET GAP	MATCH ADJACENT COLOR	16	TILE	BEDROSIANS #TCREDD50 "CARMEL"

EXTERIOR FINISH SCHEDULE

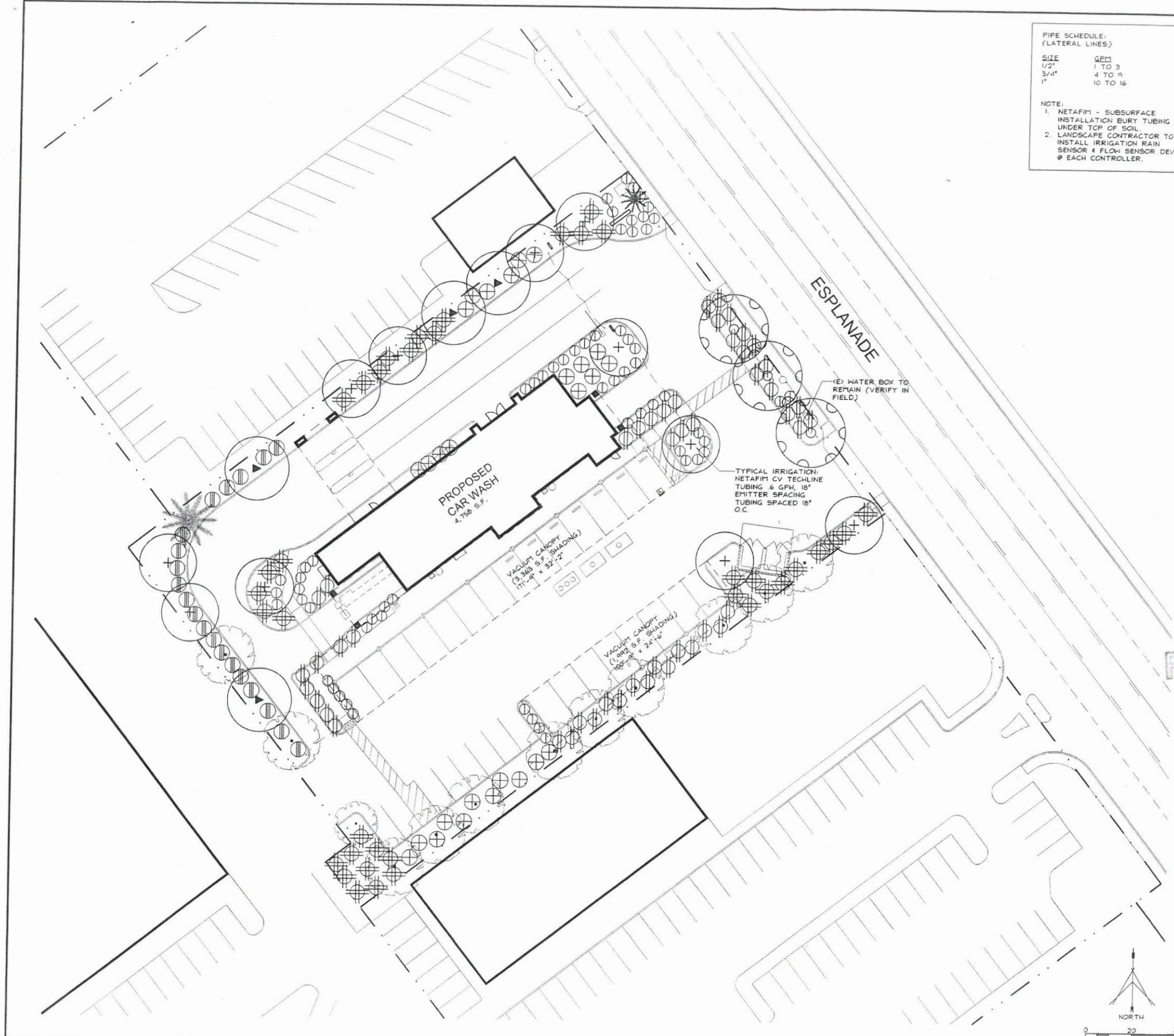
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Architecture and Planning  
8525 North Cedar Avenue  
Suite 106  
Fresno, California 93720  
Office: 559.432.6744  
Fax: 559.432.6745

PIPE SCHEDULE:  
(LATERAL LINES)

SIZE	GPM
1/2"	1 TO 3
3/4"	4 TO 9
1"	10 TO 16

NOTE:  
1. NETAFIM - SUBSURFACE INSTALLATION BURY TUBING 6" UNDER TOP OF SOIL.  
2. LANDSCAPE CONTRACTOR TO INSTALL IRRIGATION RAIN SENSOR & FLOW SENSOR DEVICE @ EACH CONTROLLER.



**TREES**

KEY	DESCRIPTION	(WULCO VALUE)
+	*PISTACIA CHINENSIS* 15 GAL. CHINESE PISTACHE	(LOW)
⊙	*CERCIS CANADENSIS* 15 GAL. EASTERN REDBUD	(MED)
▶	*ACER SACCHARUM* 15 GAL. AUTUMN SPLENDOR MAPLE	(MED)
⊙	EXISTING DECIDUOUS TREE TO REMAIN (SAME SHADING CO-EFFICIENT AS AUTUMN SPLENDOR MAPLE)	

**SHRUBS & GROUND COVER**

KEY	DESCRIPTION	(WULCO VALUE)
⊕	GREVILLEA 'SCARLET SPRITE' 5 GAL. GREVILLEA	(LOW)
⊖	LIROPE M. SILVERY SUNPROOF 1 GAL. LILY TURF	(MED)
⊕	CISTUS CRISPATUS 'WARLEY ROSE' 5 GAL. ROCKROSE	(LOW)
⊖	OLEA 'LITTLE OLLIE' 5 GAL. DWARF OLIVE	(LOW)
⊕	RHAPIOLEPIS I. 'BALLERINA' 5 GAL. INDIA HAWTHORN	(MED)
⊕	TEUCRIUM X. LUCIDRYS 1 GAL @ 3'0" O.C. GERMANDER	(LOW)

**PLANTING SCHEDULE**

SYMBOL	TREE NAME	QTY. # 100%	QTY. # 75%	QTY. # 50%	QTY. # 25%	TOTAL
+	PISTACIA CHINENSIS / CHINESE PISTACHE	-	-	9 @ 625	2 @ 314	6,250
⊙	CERCIS CANADENSIS / EASTERN REDBUD	-	-	3 @ 157	-	471
▶	ACER SACCHARUM / AUTUMN SPLENDOR MAPLE	-	-	4 @ 353	-	1,412
⊙	EXISTING DECIDUOUS TREE TO REMAIN	-	-	8 @ 353	2 @ 177	3,175
						TOTAL TREE SHADE: 11,348

**SHADE CALCULATION**

TOTAL PAVEMENT:	30,533
SHADE AREA REQUIRED (50% OF PAVEMENT):	15,266
COVERED PARKING:	5,355
TOTAL SHADE PROVIDED (TREE + COVERED STALLS):	16,646
SHADE PERCENTAGE:	54.60%

**WATER BUDGET**

LANDSCAPE IRRIGATION WATER ANALYSIS

MAXIMUM APPLIED WATER ALLOWANCE:  
 $MWA = (ETO) \times (.45) \times (TOTAL\ SO.\ FT.) \times (.62)$   
 $MWA = (51.7) \times (.45) \times (12,399) \times (.62) = 178,847\ GAL/YR$

HYDROZONE GROUP #1 (LOW WULCO VALUE)  
 \*ALL TREE, SHRUB & GROUND COVER AREAS  
 $(51.7) \times (.3) \times (9,575) \times (.62) = 113,673\ GAL/YR$

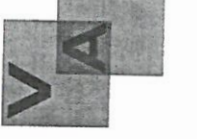
HYDROZONE GROUP #2 (MED. WULCO VALUE)  
 \*\*TREE CANOPY ONLY (8 @ 353 S.F. = 2,824 SO.FT.)  
 $(51.7) \times (.5) \times (2,824) \times (.62) = 55,877\ GAL/YR$

MAXIMUM APPLIED WATER: 178,847 GAL/YR  
 TOTAL ESTIMATED WATER USE: 169,550 GAL/YR

NO.	DATE	REVISION

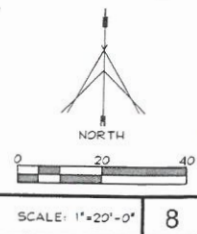
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 Architecture and Planning  
 8525 North Cedar Avenue  
 Suite 106  
 Fresno, California 93720  
 Office: 559.432.6744  
 Fax: 559.432.6745



**SURF THRU CAR WASH**  
**2573 ESPLANADE**  
 CHICO, CALIFORNIA 95973  
 CONCEPTUAL LANDSCAPE PLAN

ISSUE DATE:	5-3-17
REV. DATE:	
PROJECT NO.:	17001.1
DRAWN BY:	NL
SHEET:	L100



CONCEPTUAL LANDSCAPE PLAN

## 1-Loop Wave Style Bike Rack - 3 Bike Capacity, Black



Enlarge

Upscale stylish look for downtown shopping and business districts.

- 10-gauge steel with attractive powder coating.
- 2 3/8" diameter bar.
- Mounting hardware included.

MODEL NO.	DESCRIPTION	SIZE L x W x H	BIKE CAP.	WT. (LBS.)	PRICE EACH		ADD TO CART
					1	3+	
H-2892BL	1-Loop	22 x 2 1/2 x 34"	3	27	\$190	\$180	1 <input type="button" value="ADD"/>

[Additional Info](#)  [Email Page](#)  [Add to Favorites](#) [Request a Catalog](#) **Made in the U.S.A.**

**DIMENSIONS:**

- Mounting Holes: (3) 9/16" predrilled on each base
- Base Plate Diameter: 7"

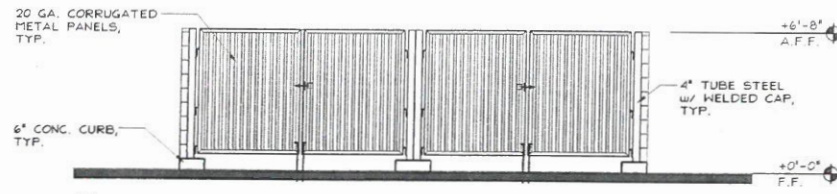
Availability: [In Stock](#)  
Unit Weight: 27 lbs.

[Instructions](#)

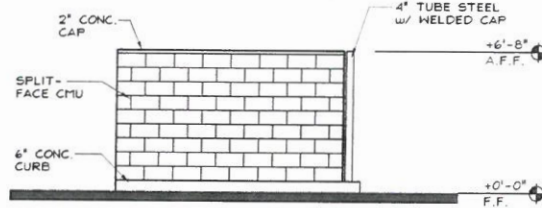
[Catalog Page 379](#)

Country of Origin: USA

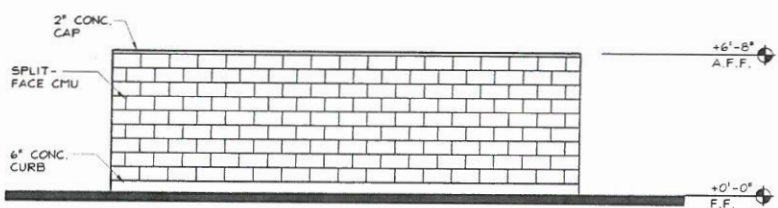




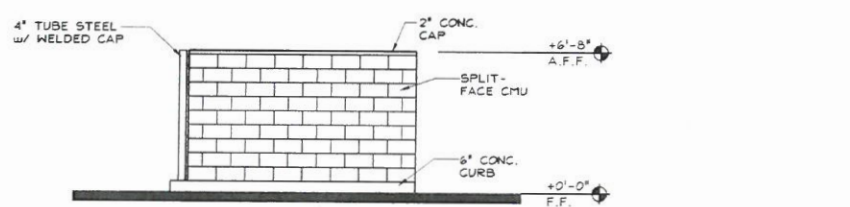
**A TRASH ENCLOSURE ELEVATION**  
SCALE: 1/4\"/>



**B TRASH ENCLOSURE ELEVATION**  
SCALE: 1/4\"/>



**C TRASH ENCLOSURE ELEVATION**  
SCALE: 1/4\"/>



**D TRASH ENCLOSURE ELEVATION**  
SCALE: 1/4\"/>

**TRASH ENCLOSURE ELEVATIONS** SCALE: 1/4\"/>

**1-Loop Wave Style Bike Rack - 3 Bike Capacity**

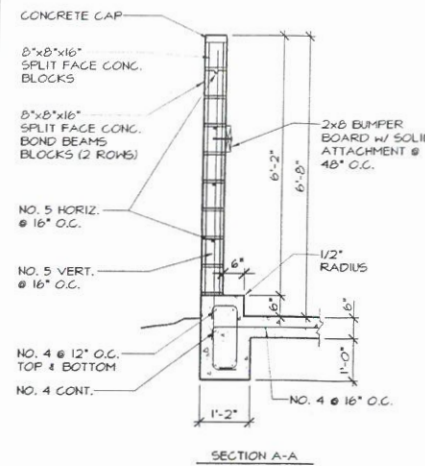


- 13 gauge steel
- 2 3/4\"/>

MODEL NO.	DESCRIPTION	SIZE	BIKE CAP.	WT.
N-2892B	1-Loop	22 x 2 1/2 x 34"	3	2

DIMENSIONS:  
• Mounting holes (3) 5/16\"/>

**BIKE RACK** SCALE: N.T.S. **16**

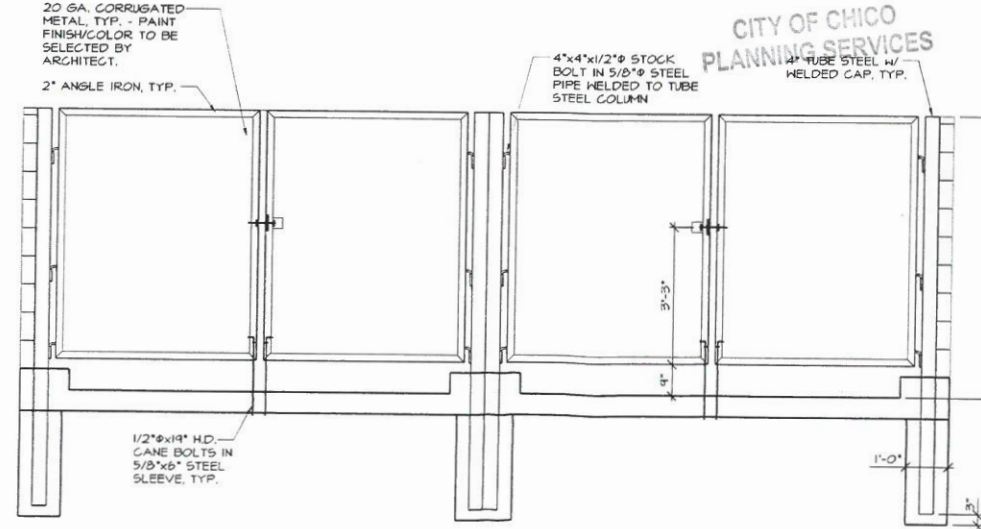
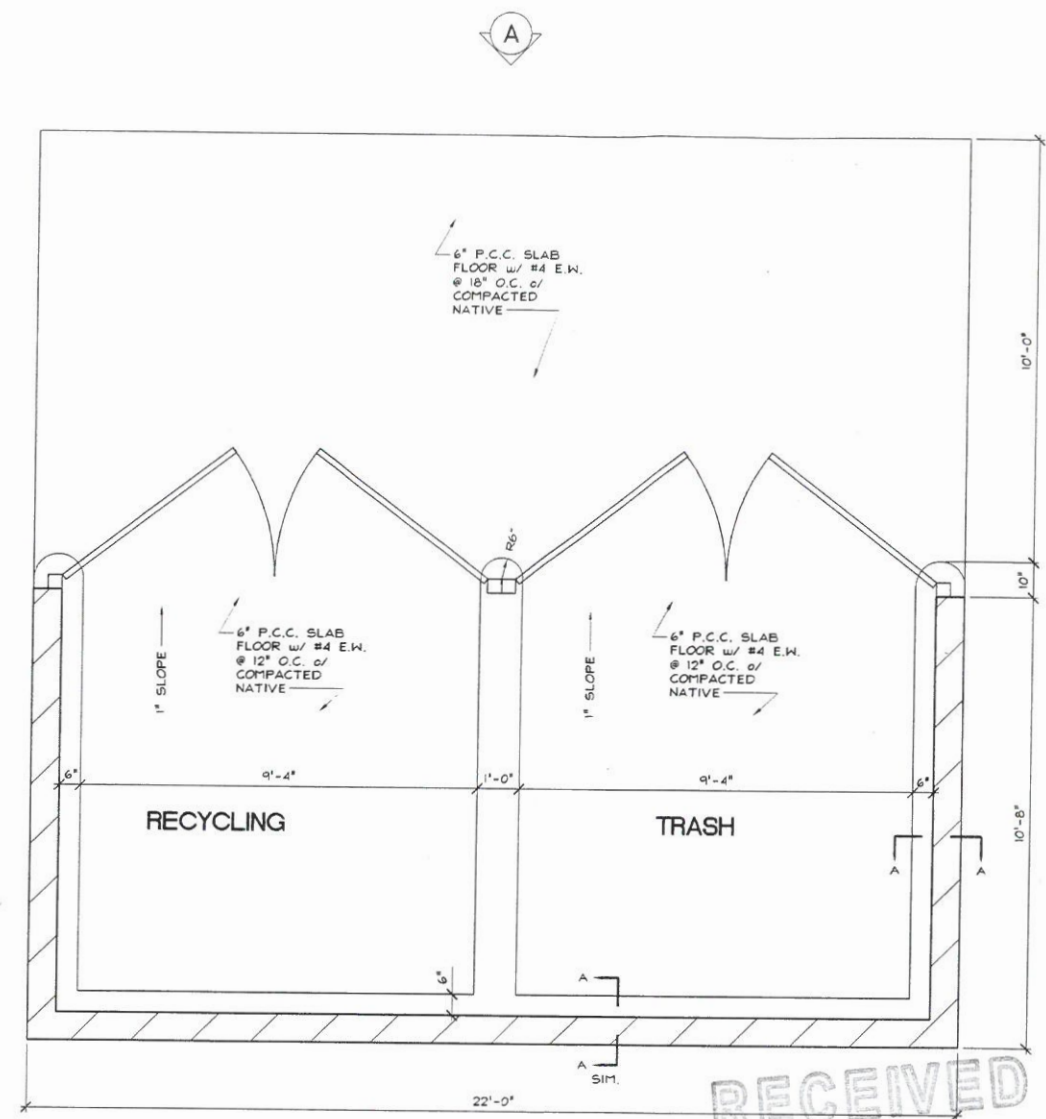


**GENERAL NOTES**

- REFUSE CONTAINER ENCLOSURE NOTES:**
- MASONRY ENCLOSURE WALLS SHALL BE FULLY GROUTED.
  - ALL MASONRY SHALL COMPLY W/ CURRENT EDITION OF THE C.B.C.
  - SLAB FLOOR & FOOTING CONCRETE SHALL BE CLASS 3, PRE-MIXED, 28-DAY COMPRESSIVE STRENGTH = 2500 PSI MIN.
  - MASONRY DESIGN IS BASED ON MIN. COMPRESSIVE STRENGTH OF  $f_m = 1500$  PSI.
  - REINFORCING BARS SHALL BE ASTM A615 GRADE 40 DEFORMED STEEL & SHALL BE CLEAN OF DIRT AND RUST BEFORE PLACEMENT.
  - GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C416 AND ATTAIN A 28-DAY STRENGTH OF 2,000 PSI. ADMIXTURES FOR GROUT MUST BE APPROVED BY THE ENGINEER. FIELD ADDITION OF ADMIXTURES IS NOT PERMITTED IN SELF-CONSOLIDATING GROUT.
  - GROUT STOP SHALL CONSIST OF METAL OR PLASTIC LATH APPROVED BY THE MANUF. TO CREATE A BARRIER THAT STOPS THE FLOW OF GROUT WHEN FILLING BLOCK CELLS.
  - REFUSE CONTAINER ENCLOSURE SHALL BE LOCATED A MIN. OF 3'-0" FROM ANY BUILDING WALL LINE. OTHERWISE ENCLOSURE MUST COMPLY W/ STRICTER REQUIREMENTS PER THE C.F.C.
  - ALL HORIZONTAL AND VERTICAL JOINTS SHALL HAVE A CONCAVE FINISH JOINT.
  - GROUND SHALL BE SLOPED AWAY FROM ENCLOSURE WALLS.
  - REFUSE CONTAINER SHALL HAVE SOLID FACE GATES.
  - LOCATION OF REFUSE CONTAINER ENCLOSURE SHALL BE APPROVED BY THE CITY SOLID WASTE DIVISION.
  - ALL REFUSE CONTAINER ENCLOSURES SHALL HAVE A CONCRETE APRON PER REFUSE CONTAINER ENCLOSURE CONCRETE APRON DETAIL STANDARD DRAWING.
  - SUBMIT DETAILS OF REFUSE CONTAINER ENCLOSURES AND/OR REFUSE CONTAINERS REQUIRED TO BE ACCESSIBLE UNDER THE CURRENT C.B.C. OR MODIFY THIS DETAIL AS NECESSARY FOR REVIEW AND ACCEPTANCE FROM THE CITY ENGINEER.
  - WHERE REQUIRED, PROVIDE ACCESSIBLE TRASH CONTAINERS MEETING THE ACCESSIBILITY REQUIREMENTS UNDER THE CURRENT C.B.C. COORDINATE W/ SOLID WASTE DIVISION FOR SERVICEABILITY.
  - CONTRACTOR SUBMITTALS SHALL CONFORM TO ARTICLE 15 OF THIS 602/ACI 530 I/ASCE 8.
  - QUALITY ASSURANCE SHALL CONFORM TO LEVEL B QUALITY ASSURANCE PER ARTICLE 16 OF THIS 602/ACI 530 I/ASCE 8. PERIODIC SPECIAL INSPECTION REQUIRED. CONTRACTOR SHALL CONTACT THE CITY FOR INSPECTIONS.
  - INTERLOCKING BLOCKS ARE AN ACCEPTABLE ALTERNATIVE.

- REFUSE CONTAINER ENCLOSURE APRON NOTES:**
- ALL CONCRETE SHALL BE CLASS 3, PRE-MIXED, 28-DAY COMPRESSIVE STRENGTH = 2500 PSI MIN.
  - REINFORCING BARS SHALL BE ASTM A615 GRADE 40 MIN. DEFORMED STEEL AND SHALL BE CLEAN OF DIRT AND RUST BEFORE PLACEMENT.
  - REINFORCING BARS SHALL HAVE A MIN. OF 3" OF CLEAR COVERAGE FROM THE COMPACTED EARTH AND 2" FROM FINISH GRADE.
  - ALL REFUSE CONTAINER ENCLOSURE SHALL HAVE A CONCRETE APRON.
  - CONCRETE PAD SHALL BE PLACED ON MOIST AND COMPACTED BASE MATERIALS. 95% RELATIVE COMPACTION.
  - STEEL PIPE LOCATION IN CONCRETE PAD SHALL BE DETERMINED BY CANE BOLT LOCATION ON GATE. SEE REFUSE CONTAINER ENCLOSURE GATE DETAILS STANDARD DRAWINGS.

- REFUSE CONTAINER GATE NOTES:**
- GATES TO BE PAINTED TO MATCH BUILDING ACCENT FEATURES.
  - DESIGN ENGINEERING AND CONSTRUCTION NOT SPECIFICALLY NOTED SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS AND OF FIRST QUALITY.
  - CONCRETE APRON SHALL INCLUDE TWO 3/4" STEEL PIPES SET FLUSH WITH THE CONCRETE FOR EACH GATE DOOR, BASED ON LOCATION OF CANE BOLTS ON GATE, TO SECURE THE GATE IN THE OPEN OR CLOSED POSITION.
  - GATE POST SHALL ABUT REFUSE CONTAINER ENCLOSURE.
  - SUBMIT DETAILS OF REFUSE CONTAINER ENCLOSURES AND/OR REFUSE CONTAINERS REQUIRED TO BE ACCESSIBLE UNDER THE CURRENT C.B.C. OR MODIFY THIS DETAIL AS NECESSARY FOR REVIEW AND ACCEPTANCE FROM THE CITY ENGINEER.

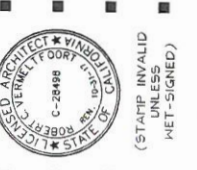
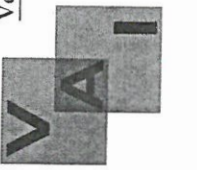


**TRASH ENCLOSURE PLAN & DETAILS** SCALE: 1/2\"/>

NO.	DATE	REVISION

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**Vermelfoort Architects, Inc.**  
Architecture and Planning  
8525 North Cedar Avenue  
Suite 106  
Fresno, California 93720  
Office: 559.432.6744  
Fax: 559.432.6745



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**SURF THRU CAR WASH**  
**2573 ESPLANADE**  
CHICO, CALIFORNIA 95973  
**TRASH ENCLOSURE**

ISSUE DATE:	5-3-17
REV. DATE:	
PROJECT NO.:	17001.1
DRAWN BY:	NL
SHEET:	

**A103**



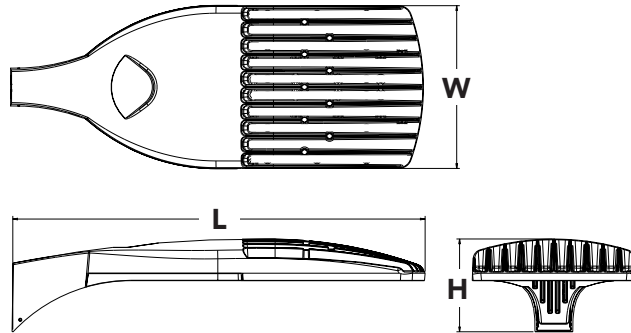
# D-Series Size 1 LED Area Luminaire

d#series



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)



Catalog Number

Notes

Type

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

## Capable Luminaire

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

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

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

A+ Capable options indicated by this color background.

## Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) 60C 60 LEDs (two engines) <b>Rotated optics</b> 60C 60 LEDs (two engines) <sup>1</sup>	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted <sup>2</sup>	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control <sup>2,3</sup> LCCO Left corner cutoff <sup>2,3</sup> RCCO Right corner cutoff <sup>2,3</sup>	MVOLT <sup>4</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>5,6</sup> 480 <sup>5,6</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Ordered and shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (see accessories) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b>	<b>Shipped installed</b>	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (controls ordered separate) <sup>9</sup>	HS House-side shield <sup>19</sup>	DBLXD Black
PER5 Five-wire receptacle only (controls ordered separate) <sup>9,10</sup>	WTB Utility terminal block <sup>20</sup>	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (controls ordered separate) <sup>9,10</sup>	SF Single fuse (120, 277, 347V) <sup>5</sup>	DWHXD White
DMG 0-10V dimming extend out back of housing for external control (Leads exit fixture) <sup>11</sup>	DF Double fuse (208, 240, 480V) <sup>5</sup>	DDBTXD Textured dark bronze
DS Dual switching <sup>12,13</sup>	L90 Left rotated optics <sup>1</sup>	DBLBXD Textured black
PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>14,15</sup>	R90 Right rotated optics <sup>1</sup>	DNATXD Textured natural aluminum
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>14,15</sup>	BS Bird spikes	DWHGXD Textured white
PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>14,15</sup>		
PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>14,15</sup>		
BL30 Bi-level switched dimming, 30% <sup>13,16</sup>		
BL50 Bi-level switched dimming, 50% <sup>13,16</sup>		
PNMTDD3 Part night, dim till dawn <sup>17</sup>		
PNMT5D3 Part night, dim 5 hrs <sup>17</sup>		
PNMT6D3 Part night, dim 6 hrs <sup>17</sup>		
PNMT7D3 Part night, dim 7 hrs <sup>17</sup>		
FAO Field adjustable output <sup>18</sup>		



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DSX1-LED  
Rev. 08/23/17  
Page 1 of 7

## Attachment J

## Ordering Information Cont.

### Accessories

Ordered and shipped separately.

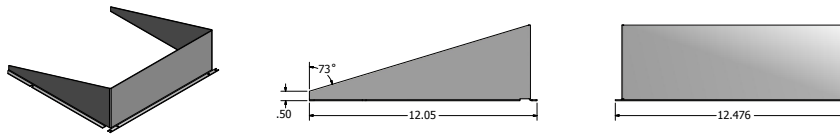
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>21</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>21</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>21</sup>
DSHORT SBK U	Shorting cap <sup>21</sup>
DSX1EGS DDBXD U	External glare shield
DSX1HS 30C U	House-side shield for 30 LED unit <sup>19</sup>
DSX1HS 40C U	House-side shield for 40 LED unit <sup>19</sup>
DSX1HS 60C U	House-side shield for 60 LED unit <sup>19</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>22</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>22</sup>

For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

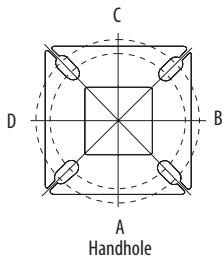
- Rotated optics available with 60C only.
- AMBPC is not available with BLC, LCCO or RCCO.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in 30C 530mA or 60C 530mA with DS. Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming. Shorting cap included.
- DMG option for 347V or 480V requires 1000mA.
- 40C or 60C required. Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7 WTB, PIR or PIRH.
- Requires (2) separately switched circuits.
- Reference Motion Sensor table on page 3.
- Reference PER table on page 3 to see functionality.
- Not available with 347V, 480V, PNMT, DS, PIR1FC3V or PIRH1FC3V. For PER5 or PER7, see PER Table on page 3.
- Not available with 347V, 480V, DS, BL30, BL50, PIR1FC3V or PIRH1FC3V. For PER5 or PER7, see PER Table on page 3. Separate Dusk to Dawn required.
- Not available with other controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Requires luminaire to be specified with PER option. See PER Table on page 3.
- For retrofit use only.

## External Glare Shield



## Drilling

### HANDHOLE ORIENTATION



### Tenon Mounting Slipfitter\*\*

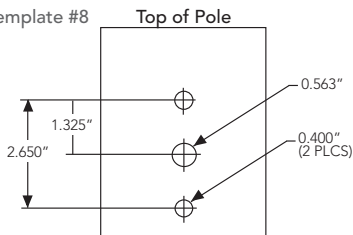
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290			
2-7/8"	AST25-190	AST25-280	AST25-290			
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

### Pole drilling nomenclature: # of heads at degree from handhole (default side A)

DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

Template #8

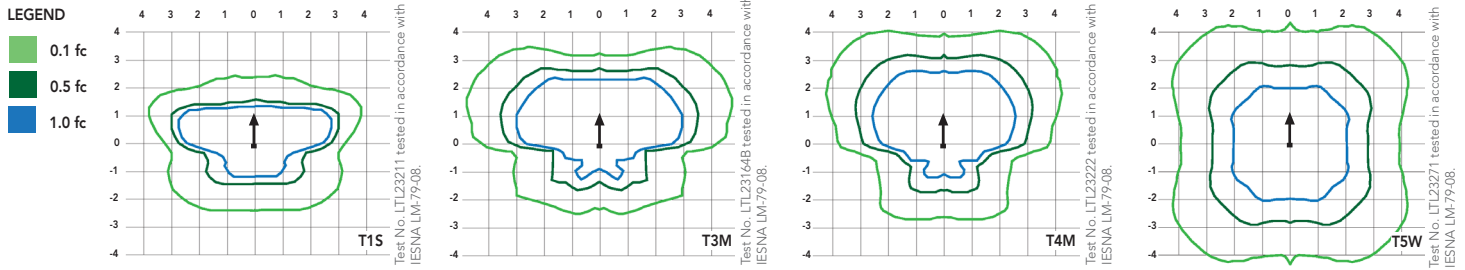


Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
*3 fixtures @120 require round pole top/tenon.								

# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

### Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use with Inline Dusk to Dawn or timer.

### PER Table

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

- ✓ Recommended
- ⊘ Will not work
- ⚠ Alternate

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



Lumen Output

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

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	2	0	2	123	6,427	2	0	2	124	3,640	1	0	1	70
			T2S	6,132	2	0	2	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	2	0	2	124	6,475	2	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	2	0	2	116	6,485	2	0	2	125	6,525	2	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	3	0	0	132	6,883	3	0	0	132	3,881	2	0	0	75
			TSS	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,930	2	0	1	76
			TSM	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,928	2	0	0	76
			T5W	6,334	3	0	2	122	6,801	3	0	2	131	6,844	3	0	2	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	1	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	2	0	2	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	101
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	106
			T2M	7,610	2	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	103
			T3S	7,601	2	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	105
	T3M	7,670	2	0	2	113	8,236	2	0	3	121	8,288	2	0	3	122	4,701	1	0	2	104		
	T4M	7,774	2	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	105		
	TFTM	7,658	1	0	2	113	8,223	2	0	2	121	8,275	2	0	2	122	4,638	1	0	2	103		
	TSVS	8,090	3	0	0	119	8,687	3	0	0	128	8,742	3	0	0	129	4,922	2	0	0	109		
	TSS	8,150	3	0	0	120	8,751	3	0	1	129	8,806	3	0	1	130	4,863	2	0	0	108		
	TSM	8,164	3	0	2	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	109		
	TSW	8,044	3	0	2	118	8,638	4	0	2	127	8,692	4	0	2	128	4,787	3	0	1	106		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	2	106	11,246	2	0	2	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	3	100	11,264	2	0	3	107	11,335	2	0	3	108							
	T4M	10,632	2	0	3	101	11,417	2	0	3	109	11,488	2	0	3	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	2	107	11,317	2	0	2	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165	4	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001	4	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82							
	LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							
	RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							



# D-Series Size 2 LED Wall Luminaire



d<sup>series</sup>

## Specifications Luminaire

**Width:** 18-1/2" (47.0 cm) **Weight:** 21 lbs (9.5 kg)

**Depth:** 10" (25.4 cm)

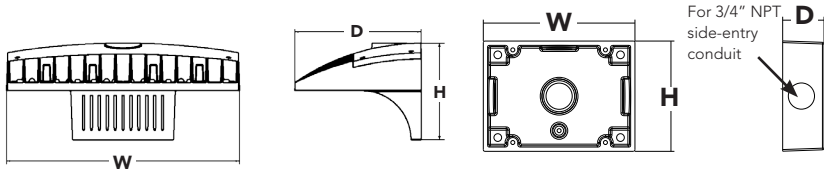
**Height:** 7-5/8" (19.4 cm)

## Back Box (BBW)

**Width:** 5-1/2" (14.0 cm) **BBW Weight:** 1 lbs (0.5 kg)

**Depth:** 1-1/2" (3.8 cm)

**Height:** 4" (10.2 cm)



Catalog Number

Notes

Type

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

## A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL<sup>®</sup> controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM<sup>®</sup>2 or XPoint<sup>™</sup> Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

- See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

A+ Capable options indicated by this color background.

## Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD

DSXW2 LED	Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW2 LED	20C	20 LEDs (two engines)	350 350 mA	30K 3000 K	T2S Type II Short	MVOLT <sup>1</sup>	<b>Shipped included</b> (blank) Surface mounting bracket	<b>Shipped installed</b> PE Photoelectric cell, button type <sup>4</sup>
			530 530 mA	40K 4000 K	T2M Type II Medium	120 <sup>1</sup>		
DSXW2 LED	30C	30 LEDs (three engines)	700 700 mA	50K 5000 K	T3S Type III Short	208 <sup>1</sup>	<b>Shipped separately<sup>3</sup></b> BBW Surface-mounted back box (for conduit entry)	PER NEMA twist-lock receptacle only (no controls)
			1000 1000 mA (1 A)	AMBPC Amber phosphor converted	T3M Type III Medium	240 <sup>1</sup>		
					T4M Type IV Medium	277 <sup>1</sup>		DMG 0-10V dimming driver (no controls)
					TFTM Forward Throw Medium	347 <sup>2</sup>		DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>5</sup>
					ASYDF Asymmetric diffuse	480 <sup>2</sup>		PIRH 180° motion/ambient light sensor, 15-30' mtg ht <sup>6</sup>
								PIRH1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>2</sup>
								PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>2</sup>

### Other Options

### Finish (required)

#### Shipped installed

SF Single fuse (120, 277, 347V)<sup>8</sup>

DF Double fuse (208, 240, 480V)<sup>8</sup>

HS House-side shield<sup>3</sup>

SPD Separate surge protection<sup>9</sup>

#### Shipped separately<sup>9</sup>

BSW Bird-deterrent spikes

WG Wire guard

VG Vandal guard

DDBXD Dark bronze

DBLXD Black

DNAXD Natural aluminum

DWHXD White

DSSXD Sandstone

DDBTXD Textured dark bronze

DBLTXD Textured black

DNATXD Textured natural aluminum

DWHGXD Textured white

DSSTXD Textured sandstone



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	PhotoCell - SSL twist-lock (120-277V) <sup>10</sup>
DLL347F 1.5 CULJU	PhotoCell - SSL twist-lock (347V) <sup>10</sup>
DLL480F 1.5 CULJU	PhotoCell - SSL twist-lock (480V) <sup>10</sup>
DSHORT SBK U	Shorting cap <sup>10</sup>
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2WG U	Wire guard accessory
DSXW2VG U	Vandal guard accessory
DSXW2BBW	Back box accessory
DD8XD U	(specify finish)

For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
- Also available as a separate accessory; see Accessories information.
- Photocontrol (PE) requires 120, 208, 240 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347V, 480V or PIRH. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: [sales@roomservices.net](mailto:sales@roomservices.net).
- Specifies the [Sensor Switch SBGR-6-ODP](#) control; see [Outdoor Control Technical Guide](#) for details. Includes ambient light sensor. Not available with "PE" option (button type photocell) or DCR. Dimming driver standard.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- See the electrical section on page 2 for more details.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

## Performance Data

### Lumen Output

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
(20 LEDs)	350 mA	25W	T2S	2,783	1	0	1	111	2,989	1	0	1	120	3,007	1	0	1	120	1,720	1	0	1	69
			T2M	2,708	1	0	1	108	2,908	1	0	1	116	2,926	1	0	1	117	1,673	1	0	1	67
			T3S	2,748	1	0	1	110	2,951	1	0	1	118	2,970	1	0	1	119	1,698	0	0	1	68
			T3M	2,793	1	0	1	112	2,999	1	0	1	120	3,018	1	0	1	121	1,726	1	0	1	69
			T4M	2,756	1	0	1	110	2,959	1	0	1	118	2,978	1	0	1	119	1,703	0	0	1	68
			TFTM	2,754	1	0	1	110	2,957	1	0	1	118	2,975	1	0	1	119	1,701	0	0	1	68
	530 mA	36W	T2S	4,029	1	0	1	112	4,327	1	0	1	120	4,354	1	0	1	121	1,698	0	0	1	68
			T2M	3,920	1	0	1	109	4,210	1	0	1	117	4,236	1	0	1	118	1,726	1	0	1	69
			T3S	3,979	1	0	1	111	4,272	1	0	1	119	4,299	1	0	1	119	1,720	1	0	1	69
			T3M	4,044	1	0	1	112	4,342	1	0	2	121	4,369	1	0	2	121	1,701	0	0	1	68
			T4M	3,990	1	0	1	111	4,284	1	0	1	119	4,311	1	0	1	120	1,703	0	0	1	68
			TFTM	3,986	1	0	1	111	4,281	1	0	1	119	4,307	1	0	1	120	1,673	1	0	1	67
	700 mA	47W	T2S	5,130	1	0	1	109	5,509	1	0	1	117	5,544	1	0	1	118	2,473	1	0	1	69
			T2M	4,991	1	0	1	106	5,360	1	0	1	114	5,393	1	0	2	115	2,406	1	0	1	67
			T3S	5,066	1	0	1	108	5,440	1	0	1	116	5,474	1	0	1	116	2,442	1	0	1	68
			T3M	5,148	1	0	2	110	5,528	1	0	2	118	5,563	1	0	2	118	2,482	1	0	1	69
			T4M	5,080	1	0	1	108	5,455	1	0	1	116	5,489	1	0	2	117	2,449	1	0	1	68
			TFTM	5,076	1	0	1	108	5,450	1	0	1	116	5,484	1	0	2	117	2,447	1	0	1	68
	1000 mA	74W	T2S	7,148	1	0	1	97	7,675	1	0	1	104	7,723	1	0	1	104	3,060	1	0	1	65
			T2M	6,954	1	0	2	94	7,467	1	0	2	101	7,514	2	0	2	102	2,977	1	0	1	63
			T3S	7,058	1	0	1	95	7,579	1	0	1	102	7,626	1	0	2	103	3,021	1	0	1	64
			T3M	7,173	1	0	2	97	7,702	1	0	2	104	7,750	1	0	2	105	3,070	1	0	1	65
			T4M	7,077	1	0	2	96	7,599	1	0	2	103	7,647	1	0	2	103	3,029	1	0	1	64
			TFTM	7,071	1	0	2	96	7,593	1	0	2	103	7,641	1	0	2	103	3,027	1	0	1	64
(30 LEDs)	350 mA	36W	T2S	4,160	1	0	1	116	4,467	1	0	1	124	4,495	1	0	1	125	2,573	1	0	1	103
			T2M	4,047	1	0	1	112	4,346	1	0	1	121	4,373	1	0	1	121	2,503	1	0	1	100
			T3S	4,107	1	0	1	114	4,411	1	0	1	123	4,438	1	0	1	123	2,541	1	0	1	102
			T3M	4,174	1	0	1	116	4,482	1	0	2	125	4,511	1	0	2	125	2,582	1	0	1	103
			T4M	4,119	1	0	1	114	4,423	1	0	1	123	4,450	1	0	1	124	2,547	1	0	1	102
			TFTM	4,115	1	0	1	114	4,419	1	0	1	123	4,447	1	0	1	124	2,545	1	0	1	102
	530 mA	54W	T2S	6,001	1	0	1	111	6,444	1	0	1	119	6,485	1	0	1	120	2,573	1	0	1	71
			T2M	5,839	1	0	1	108	6,270	1	0	2	116	6,309	1	0	2	117	2,503	1	0	1	70
			T3S	5,926	1	0	1	110	6,363	1	0	1	118	6,403	1	0	1	119	2,541	1	0	1	71
			T3M	6,022	1	0	2	112	6,467	1	0	2	120	6,507	1	0	2	121	2,582	1	0	1	72
			T4M	5,942	1	0	1	110	6,381	1	0	2	118	6,420	1	0	2	119	2,547	1	0	1	71
			TFTM	5,937	1	0	1	110	6,375	1	0	2	118	6,415	1	0	2	119	2,545	1	0	1	71
	700 mA	71W	T2S	7,609	1	0	1	107	8,170	1	0	1	115	8,221	2	0	2	116	3,696	1	0	1	68
			T2M	7,402	1	0	2	104	7,949	2	0	2	112	7,999	2	0	2	113	3,596	1	0	1	67
			T3S	7,513	1	0	1	106	8,068	1	0	2	114	8,118	1	0	2	114	3,649	1	0	1	68
			T3M	7,635	1	0	2	108	8,199	1	0	2	115	8,250	2	0	3	116	3,709	1	0	2	69
			T4M	7,533	1	0	2	106	8,089	1	0	2	114	8,140	1	0	2	115	3,659	1	0	1	68
			TFTM	7,527	1	0	2	106	8,083	1	0	2	114	8,133	1	0	2	115	3,656	1	0	1	68
	1000 mA	109W	T2S	10,468	2	0	2	96	11,241	2	0	2	103	11,311	2	0	2	104	4,559	1	0	1	64
			T2M	10,184	2	0	2	93	10,936	2	0	2	100	11,004	2	0	2	101	4,436	1	0	2	62
			T3S	10,336	1	0	2	95	11,099	1	0	2	102	11,169	2	0	2	102	4,502	1	0	1	63
			T3M	10,505	2	0	3	96	11,280	2	0	3	103	11,351	2	0	3	104	4,575	1	0	2	64
			T4M	10,364	1	0	2	95	11,129	1	0	2	102	11,199	2	0	2	103	4,514	1	0	2	64
			TFTM	10,356	1	0	2	95	11,120	2	0	2	102	11,190	2	0	2	103	4,510	1	0	1	64

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



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.98

### Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	74 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW2 LED 30C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

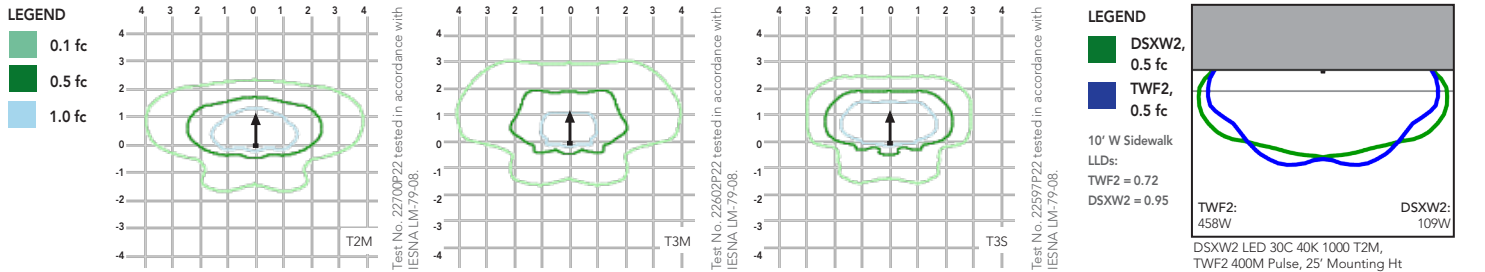
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Wall Size 2 homepage](#).

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').



## FEATURES & SPECIFICATIONS

### INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

### FINISH

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

### OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

### ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

### LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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

### WARRANTY

Five-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

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

