AGENDA

ARCHITECTURAL REVIEW BOARD MEETING
CITY HALL, 385 SOUTH GOLIAD STREET, ROCKWALL, TEXAS
***MARCH 14, 2023* IN THE CITY COUNCIL CONFERENCE ROOM AT 5:00 PM**

NOTES ABOUT PUBLIC PARTICIPATION = RED

(I) CALL TO ORDER

(II) OPEN FORUM

This is a time for anyone to address the Architectural Review Board (ARB) on any topic. Per the policies of the City of Rockwall, public comments are limited to three (3) minutes out of respect for the time of other citizens. On topics raised during the OPEN FORUM, please know that the Architectural Review Board (ARB) is not permitted to respond to your comments during the meeting per the Texas Open Meetings Act.

(III) ACTION ITEMS

(1) **SP2023-008 (HENRY LEE)**
Discuss and consider a request by Asher Hamilton on behalf of RIV Properties, Alvin Moton Jr., James Moton, Terra Moton, Debra Heard, Beulah Robertson, Tony Moton, and Kathy Moton for the approval of a *Site Plan* for a 176-unit *condominium building* on a 3.59-acre tract of land identified as Lots 1 & 2, Block1; Lots 1, 2, 3, & 4, Block 2; Lots 1, 2, 3, & 4, Block 3; Lots 1, 2, 3, & 4, Block 5; Lots 1 & 2 and a portion of Lots 3 & 4, Block 6; Lots 2, 3, & 4, Block 7; Lots 1 & 2, Block 8; and Lots 1, 2, 3, & 4, Block 9, Moton Addition, City of Rockwall, Rockwall County, Texas, situated within the Hillside Mixed Use Subdistrict and the Horizon/Summer Lee Subdistrict of Planned Development District 32 (PD-32), generally located at the southwest corner of the intersection of Horizon Road and Summer Lee Drive, and take any action necessary.

(2) **SP2023-009 (HENRY LEE)**
Discuss and consider a request by T. J. McDonald of Halff and Associations on behalf of Carolina Molina of Alvaplast US Development, LLC for the approval of an *Amended Site Plan* for a *warehouse/manufacturing facility* on a 42.6034-acre parcel of land identified as a portion of Lot 2, Block 1, Indalloy Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District, addressed as 501 Industrial Boulevard, and take any action necessary.

(IV) ADJOURNMENT

The City of Rockwall Planning and Zoning Commission reserves the right to adjourn into executive session at any time to discuss any matters listed on the agenda above, as authorized by Texas Government Code §551.071 (Consultation with City Attorney).

This facility is wheelchair accessible and accessible parking spaces are available. Request for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's Office at (972) 772-6406 for further information.

I, Ryan Miller, Planning and Zoning Coordinator for the City of Rockwall, Texas, do hereby certify that this Agenda was posted at City Hall, in a place readily accessible to the general public at all times, on *March 10, 2023* prior to 5:00 PM, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.

CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION CASE MEMO

PLANNING AND ZONING DEPARTMENT
385 S. GOLIAD STREET • ROCKWALL, TX 75087
PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO:	Planning and Zoning Commission
DATE:	March 14, 2023
APPLICANT:	Asher Hamilton; *RIV Properties, LLC*
CASE NUMBER:	SP2023-008; *Site Plan for the Harbor Residence*

SUMMARY

Discuss and consider a request by Asher Hamilton on behalf of RIV Properties, Alvin Moton Jr., James Moton, Terra Moton, Debra Heard, Beulah Robertson, Tony Moton, and Kathy Moton for the approval of a *Site Plan* for a 176-unit *condominium building* on a 3.59-acre tract of land identified as Lots 1 & 2, Block 1; Lots 1, 2, 3, & 4, Block 2; Lots 1, 2, 3, & 4, Block 3; Lots 1, 2, 3, & 4, Block 5; Lots 1 & 2 and a portion of Lots 3 & 4, Block 6; Lots 2, 3, & 4, Block 7; Lots 1 & 2, Block 8; and Lots 1, 2, 3, & 4, Block 9, Moton Addition, City of Rockwall, Rockwall County, Texas, situated within the Hillside Mixed Use Subdistrict and the Horizon/Summer Lee Subdistrict of Planned Development District 32 (PD-32), generally located at the southwest corner of the intersection of Horizon Road and Summer Lee Drive, and take any action necessary.

BACKGROUND

The City Council annexed the subject property into the City of Rockwall on November 7, 1960 through the adoption of *Ordinance No. 60-03*. Upon annexation, the subject property was zoned Agricultural (AG) District. On December 7, 1966, the subject property was platted into its current configuration as part of the George Morton Estate Addition. Based on the May 16, 1983 and December 7, 1993 *Historic Zoning Maps*, at some point between these dates portions of the subject property adjacent to Horizon Road [*FM-3097*] were rezoned to General Retail (GR) District. On June 19, 1989, portions of the subject property were also rezoned to Planned Development District 32 (PD-32) [*Ordinance No. 89-20*]. On December 2, 2002, Planned Development District 32 (PD-32) [*Ordinance No. 89-20*] was amended by *Ordinance No. 02-55*. This amendment brought the entire subject property into Planned Development District 32 (PD-32), which -- *at the time* -- designated the property for General Retail (GR) District land uses. This Planned Development District was again amended on February 4, 2008 by *Ordinance No. 08-11*. This ordinance increased the boundaries of the district, and established a limited set of land uses for the district.

On September 20, 2010, the City Council passed *Ordinance No. 10-21*, which superseded all previous ordinances associated with Planned Development District 32 (PD-32) and established a concept plan and development standards for an approximate 78.89-acre tract of land that included the subject property. Today, this land is now commonly referred to as *PD-32* or the *Harbor District*. Included within this ordinance was a concept plan that divided the district into ten (10) subdistrict, each of which contained its own set of development and land use standards. In addition, a pool of 1,161 *urban residential units* (*i.e. condominiums and/or townhomes*) and 49 *single-family residential units* (*i.e. zero-lot-line or patio homes*) was created. These units could then be allocated to properties within the district by the City Council -- *in accordance with the land use charts in the ordinance* -- on a *first-come-first-serve* basis through an interim zoning step called a *PD Development Plan*. According to Article 10, *Planned Development District Regulations*, of the Unified Development Code (UDC), "(a) *PD Development Plan* constitutes an amendment to the approved *PD Concept Plan* and *PD Ordinance* … The purposes of a *PD Development Plan* are to allow flexibility in the development process by deferring specification of all development standards at the time of *PD District* creation and to enable developers to satisfy conditions imposed on creation of the *District* prior to the submittal of a *PD Site Plan*." In addition, *Ordinance No. 17-22* [*i.e. the regulating ordinance for Planned Development District 32 (PD-32)*] states that the purpose of a *PD Development Plan* in Planned Development District 32 (PD-32) is to ensure that a proposed development meets the intent of the subdistrict and/or to address any waivers required by the development.

On March 7, 2022, the City Council approved a *PD Development Plan* [*Ordinance No. 22-10*] for the subject property. Under this approval a 176-unit condominium building was permitted to be established on the subject property. Also contained within this approval, was a reconfigured street network changing the alignments of Glen Hill Way and Pinnacle Way. Specifically, the

concept plan contained in *Ordinance No. 22-10* showed Glen Hill Way being extended around the proposed building, connecting it to the section of Pinnacle Way adjacent to Trend Tower and the stub of Pinnacle Way of off Horizon Road. On July 5, 2022, the City Council approved a revised *PD Development Plan* [*Ordinance No. 22-36*] for the subject property. Under this approval the future 176-unit condominium building was permitted to adjust the alignments of Glenn Hill Way and Pinnacle Way. Specifically, the concept plan contained in *Ordinance No. 22-36* showed Glenn Hill Way creating a 'T' intersection into Pinnacle Way instead of Pinnacle Way creating a 'T' intersection into Glen Hill Way. On February 6, 2023, the City Council again amended the *PD Development Plan* [*Ordinance No. 23-05*] for the subject property. Under this approval the future 176-unit condominium building was permitted to adjust the proposed building footprint.

PURPOSE

On February 17, 2023, the applicant -- *Asher Hamilton of RIV Properties, LLC* -- submitted an application requesting the approval of a *Site Plan* for the purpose of constructing a 176-unit condominium building on the subject property.

ADJACENT LAND USES AND ACCESS

The subject property is located at the southwest corner of the intersection of Horizon Road and [*FM-3097*] and Summer Lee Drive. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is: [*1*] a 0.915-acre parcel of land (*i.e. Lot 4, Block A, Briscoe/Hillcrest Addition*) with a medical/office building (*i.e. CareNow*) situated on it, [*2*] a 2.0617-acre parcel of land (*i.e. Lot 6, Block A, Harbor District Addition*) with a multi-tenant office building and structured parking garage (*i.e. Trend Tower*) situated on it, and [*3*] a 0.45-acre vacant tract of land owned by the City of Rockwall. All of these properties are zoned Planned Development District 32 (PD-32) and are situated within the *Summit Office Subdistrict.* Beyond this are three (3) vacant tracts of land also situated within the *Summit Office Subdistrict* of Planned Development District 32 (PD-32). Beyond this is the eastbound frontage road and main lane of E. IH-30.

South: Directly south of the subject property is Summer Lee Drive, which is identified as a *Minor Collector* on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is: [*1*] a 2.15-acre parcel of land (*i.e. Lot 5, Block A, Harbor Village Addition*) with a hotel (*i.e. Tru by Hilton*) situated on it, and [*2*] a 2.144-acre parcel of land (*i.e. Lot 1, Block A, Harbor Village Addition*) with a 228-unit condominium building situated on it. Running in between these properties in Glen Hill Way, which is identified as a *Minor Collector* on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. These properties are situated within the *Horizon/Summer Lee*, *Interior*, and *Residential Subdistricts* of Planned Development District 32 (PD-32).

East: Directly east of the subject property is Horizon Road, which is identified as a M4U (*i.e. major collector, four [4] lane, undivided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is a 10.104-acre parcel of land (*i.e. Lot 3 of the Carlisle Plaza Addition*) that is occupied with a portion of an existing commercial retail shopping center (*i.e. Carlisle Plaza*). This property is zoned Commercial (C) District.

West: Directly west of the subject property is a vacant 6.1978-acre tract of land (*i.e. Tract 41 of the E. Teal Survey, Abstract No. 207*) owned by the City of Rockwall. Adjacent to this tract of land is a 2.0617-acre parcel of land (*i.e. Lot 6, Block A, Harbor District Addition*) with a seven (7) story multi-tenant office building (*i.e. Trend Tower*). Both of these properties are zoned Planned Development District 32 (PD-32) and are situated within the *Summit Office Subdistrict*. Beyond this is Sunset Ridge Drive, which is identified as a *Type 'E'* roadway by Planned development District 32 (PD-32) or a roadway that serves as a primary street frontage for retail, residential and mixed-use developments.

DENSITY AND DIMENSIONAL REQUIREMENTS

According to Exhibit D, *Sub-District Land Use Chart*, of the Planned Development District 32 (PD-32) Ordinance [*Ordinance No 17-22*], *Urban Residential* is a permitted by Specific Use Permit (SUP) in Planned Development District 32 (PD-32). The submitted site plan, landscape plan, treescape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) and Planned Development District 32 (PD-32) for a

property located within the Summit Office Sub-District with the exception of the item(s) noted in the *Variances and Exceptions Requested by the Applicant* section of this case memo. A summary of the density and dimensional requirements for the subject property are as follows:

ORDINANCE PROVISIONS	HORIZON/SUMMER LEE SUBDISTRICT	CONFORMANCE TO THE STANDARDS
BUILD-TO-LINE (FROM THE ROW):		
SUMMER LEE DRIVE	30-Feet	*X > 11-Feet; APPROVED WITH ORD. 22-36*
SETBACK (FROM THE ROW):		
HORIZON ROAD	40-Feet	*40-Feet; IN CONFORMANCE*
GLEN HILL WAY (*STREET TYPE F*)	50-Feet	*X ≥ 7'; APPROVED WITH ORD. 10-22*
GLEN HILL WAY (*STREET TYPE B*)	30-Feet	*7' to 12' 6"; APPROVED WITH ORD. 10-22*
BUILDING FORM:	Summer Lee Drive block must have a minimum of 50% of its length defined by the building façade. Summer Lee Drive minimum façade built to the build-to-line is 45% Remaining façade must be no less than two (2) feet and no greater than 12-feet from the build-to-line.	*~86.97%; IN CONFORMANCE* *47.69%; IN CONFORMANCE* *Between 3.5' & 5'; IN CONFORMANCE*
MAXIMUM LOT COVERAGE	60%	*~66%; APPROVED WITH ORD. 22-36*
LAND USE:		
GROUND FLOOR	Office, Retail, and Restaurant	*Condominiums; APPROVED WITH ORD. 10-22*
UPPER FLOORS	Office	*Condominiums; APPROVED WITH ORD. 10-22*
BUILDING HEIGHT	8-Stories	*4-Stories; IN CONFORMANCE*
ENCROACHMENTS	5-Feet	*No Encroachments Defined; IN CONFORMANCE*
SURFACE PARKING:		
SETBACK FROM ROW LINE	Summer Lee Drive and Horizon Road: 30-Feet *Street Type 'F'* and *Street Type 'B'*: 10-Feet	*No Surface Parking Indicated; IN CONFORMANCE*
MAXIMUM AMOUNT OF SURFACE PARKING	20%	*0%; IN CONFORMANCE*
MAXIMUM NUMBER OF DRIVEWAYS	Summer Lee Drive: 2; Horizon Road: 0; *Street Type 'F'* and *Street Type 'B'*: 1	*1 on Glen Hill Way (Street Type 'F'); IN CONFORMANCE*

TREESCAPE PLAN

The treescape table provided by the applicant indicates that 662-caliper inches of *Primary Protected Trees*, 65-caliper inches of *Secondary Protected Trees*, and one (1), 32-inch *Feature Tree* will be removed from the subject property as a result of the development. The applicant's total mitigation balance is 796 caliper inches. According to the landscape plan there are 156-caliper inches (*i.e. 39 canopy trees*) being planted on site. This reduces the mitigation balance to 640 caliper inches. According to Section 05(F), *Mitigation Balance*, of Article 09, *Tree Preservation*, of the Unified Development Code (UDC), tree preservation credits may be purchased at $100.00 per inch for up to 20.00% of the mitigation total. In this case, the 640 caliper inches is greater than 20% of the mitigation balance. Given this, the applicant is requesting an *Alternative Tree Mitigation Settlement Agreement*, to allow them to pay the remaining balance at $100.00 per inch, for a total of $64,000.00 (*i.e. 640 caliper inches x $100.00 per inch = $64,000.00*). This must be acted upon by the City Council following a recommendation from the Planning and Zoning Commission.

CONFORMANCE WITH THE CITY'S CODES

The applicant is requesting to construct a *Condominium Building* on the subject property. According to Subsection 02.01, *Condominium*, of Article 13, *Definitions*, of the Unified Development Code (UDC), a *Condominium* is defined as a "…multi-family dwelling unit, within which designated dwelling units are conveyed fee simple title, with an undivided interest in the building's common elements, to include, but not be limited to, halls, stairs, elevators, roof, parking space, and the land when the building is not constructed on leased land." In this case, the applicant's request for the *Condominium Building* meets this definition and is permitted by Specific Use Permit (SUP) according to Exhibit D, *Sub-District Land Use Chart*, of the Planned Development District 32 (PD-32) Ordinance [*Ordinance No 17-22*]. Staff should note that the applicant has provided many of the first-floor condos with direct access onto the sidewalk, which is a requirement in order for the development to be considered *urban residential*.

According to the *Subdistrict Plan* contained in Planned Development District 32 (PD-32) [*Ordinance No. 17-22*] the subject property is partially located within the *Hillside Mixed-Use Subdistrict*; however, the majority of the subject property is situated within the *Horizon/Summer Lee Subdistrict*. This subdistrict is also where all of the development is being proposed for the urban residential units or condominiums. The other urban residential/condominiums constructed in this district utilize the Tuscan architectural style outlined in the PD-32 Design Guidelines [*Resolution No. 10-40*]. In accordance with the Tuscan design guidelines the proposed building incorporates tower elements, clay style roof tiles, a mixture of stone and stucco, a non-white earth tone color pallet, balconies, and arcades.

In accordance with the site plan submittal guidelines for Planned Development District 32 (PD-32) the applicant included a streetscape plan. Per the requirements of PD-32, the applicant was required to provide street trees, benches, pedestrian lighting, decorative pots, and refuse bins. The proposed streetscape plan incorporates the street trees and pedestrian lighting around the entire perimeter of the proposed building. The majority of the pedestrian amenities were included within a plaza area and the primary entry into the building. The plaza is located along Summer Lee Drive near Glenn Hill Way, which in addition to the street trees and lighting, includes benches and refuse bins. Outside of the primary entry into the building the applicant is proposing enhanced landscaping, street trees, pedestrian lighting, benches, refuse bins, and decorative pots.

The proposed site plan also generally conforms to the requirements of *Horizon/Summer Lee Subdistrict* outlined in the Planned Development District 32 (PD-32) ordinance [*Ordinance No. 17-22*] and the requirements of the Unified Development Code (UDC), with the exception of the *Exception* being requested as outlined in the *Variances and Exceptions Requested by the Applicant* section of this case memo.

VARIANCES AND EXCEPTIONS BY THE APPLICANT

As stated above, the applicant's request conforms to the majority of the City's codes; however, staff has identified the following exceptions:

(1) *Streetscape Landscaping*.

(a) *Alternative Tree Planting*. According to *Exhibit C-6*, *Master Tree Planting Plan*, with the Planned Development 32 (PD-32) Ordinance [*Ordinance No. 17-22*], indicates that Cedar Elm Trees must be planted along Summer Lee Drive. Due to the Fire Departments aerial apparatus access requirements the applicant is proposing Little Gem Magnolia trees, which are smaller canopy tree. This will require an *exception* from the Planning and Zoning Commission.

(b) *Canopy Tree Spacing*. According to *Exhibit C-4*, *Streetscape Plan*, with the Planned Development 32 (PD-32) Ordinance [*Ordinance No. 17-22*], the street trees along Summer Lee Drive must be placed on 30-foot centers. In this case along Summer Lee Drive near Glenn Hill Way, the applicant is proposing greater than 30-foot centers for two (2) canopy trees. The applicant is requesting the increased spacing on these two (2) trees due to the Fire Departments aerial apparatus access requirements. This will require an *exception* from the Planning and Zoning Commission.

According to Subsection 09, *Exceptions and Variances*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), "…an applicant may request the Planning and Zoning Commission grant variances and exceptions to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship." In addition, the code requires that the applicant provide compensatory measures that directly offset the requested variances and exceptions. The applicant has not indicated any compensatory measures for the requested variances, as they are related to Fire Department access requirements. Requests for exceptions and variances to the Unified Development Code (UDC) are discretionary decisions for the Planning and Zoning Commission. Staff should note that a supermajority vote (*e.g. six [6] out of the seven [7] commissioners*) -- *with a minimum of four (4) votes in the affirmative* -- is required for the approval of a variance or exception.

CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN

The Future Land Use Plan adopted with the OURHometown Vision 2040 Comprehensive Plan identifies the subject property as being situated in the *Harbor District*. The *Harbor District* is considered an entry portal to the City of Rockwall and is intended to provide a pedestrian oriented, mixed use district accommodating residential and non-residential land uses. The *Harbor District*

is a live, work, and play district that offers professional offices, scenic condominiums, with restaurants, shopping and entertainment venues, and is intended to be a regional commercial center. When reviewing the strategies for this district, the applicant's site plan is targeted at providing a pedestrian friendly and walkable environment by providing streetscape elements along Summer Lee Drive, Glenn Hill Way, and Pinnacle Way. Based on this the applicant's proposal appears to conform with the goals and policies of the Comprehensive Plan.

ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION

On February 28, 2023 the Architecture Review Board reviewed the building elevations provided by the applicant made the following recommendations: [1] provide consistent arch widths, [2] line up the window and door heights to create a more uniform look *(consider transom windows*), [3] provide breaks in the blank spaces with articulation, windows, etc., [4] columns on the arcades should be the same width, [5] provide a green wall along Horizon Road, and [6] fix the key plan. The ARB will review the revised building elevations at the March 14, 2023 ARB meeting and will forward a recommendation to the Planning and Zoning Commission.

CONDITIONS OF APPROVAL

If the Planning and Zoning Commission chooses to approve the applicant's *Site Plan* for the construction of a *Condominium Building* on the *subject property*, then staff would propose the following conditions of approval:

(1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.

(2) All roof top equipment shall be fully screened from all adjacent properties and public Right-of-Way (ROW).

(3) All pedestrian light poles shall be at least five (5) feet off of the back of curb.

(4) Any construction resulting from the approval of this *Site Plan* shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING & ZONING CASE NO.

NOTE: *THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.*

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

PLATTING APPLICATION FEES:
- ☐ MASTER PLAT ($100.00 + $15.00 ACRE) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☐ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1 & 2]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST/SPECIAL EXCEPTIONS ($100.00) [2]

NOTES:
[1]: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
[2]: A ***$1,000.00*** FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS	Moton Addition, City of Rockwall, Rockwall County, Texas, situated within the Hillside Mixed Use Subdistrict, and the Horizon/Summer Lee Subdistrict of Planned Development District 32 (PD-32), generally located at the southwest corner of the intersection of Horizon Road and Summer Lee Drive.				
SUBDIVISION		LOT		BLOCK	
GENERAL LOCATION					

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	PD-32	CURRENT USE	Undeveloped		
PROPOSED ZONING	PD-32	PROPOSED USE	Condominium		
ACREAGE	3.59 Acres	LOTS [CURRENT]	N/A	LOTS [PROPOSED]	N/A

☐ ***SITE PLANS AND PLATS:*** *BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.*

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

☐ OWNER	RIV Properties, LLC	☐ APPLICANT	RIV Properties, LLC
CONTACT PERSON	Brad Boswell	CONTACT PERSON	Brad Boswell
ADDRESS	PO Box 192054	ADDRESS	PO Box 192054
CITY, STATE & ZIP	Dallas, TX 75219	CITY, STATE & ZIP	Dallas, TX 75219
PHONE	214-493-3346	PHONE	214-493-3346
E-MAIL	bboswell@realtyinvestments.com	E-MAIL	bboswell@realtyinvestments.com

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Bradley Boswell [*OWNER*] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $ _____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 7th DAY OF February, 2023. BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

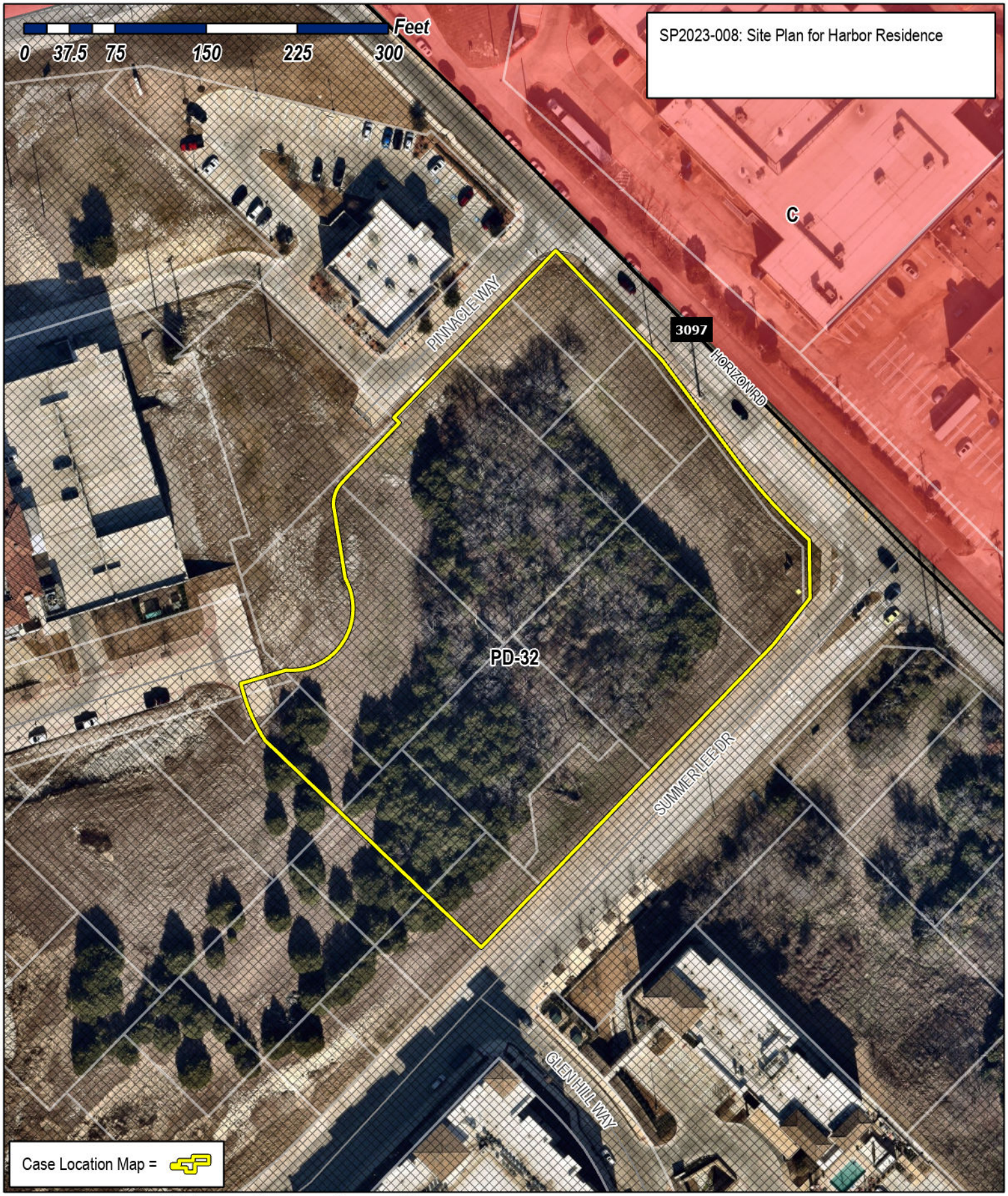
GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 7th *DAY OF* February, 2023

OWNER'S SIGNATURE [signature]

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS [signature]

SPRING DAWN NEELEY
Notary ID #129801838
My Commission Expires
May 2, 2026

MY COMMISSION EXPIRES 5-2-2026



City of Rockwall
Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087
(P): (972) 771-7745
(W): www.rockwall.com

Lee, Henry

From: Lexi Moskaluk <lmoskaluk@landdesign.com>
Sent: Thursday, March 9, 2023 3:05 PM
To: Lee, Henry
Cc: Gabriela Blake; Ron Cubbage
Subject: Harbor Residential - Variance Request
Attachments: Development Comment Responses 03.09.2023.docx; Rockwall City Placement Markup - Response Comments.pdf

Henry,

For the resubmission of the Site Plan for the Harbor Residential development, we would like to request a variance from the PD-32 Standards for the following:

- To plant Little Gem Magnolias along Summer Lee Drive in lieu of Cedar Elms in response to the 02/23/2023 Fire Department comment requesting review of landscape plans to ensure aerial fire apparatus access to the building along this side. City of Rockwall recommended Little Gem Magnolias be planted in lieu of Cedar Elms due to previous experience of cutting down Cedar Elms to provide fire access to a hospital in the City.
- To increase street tree spacing for a portion of Summer Lee Drive (close to the intersection of Summer Lee & Glenn Hill Way) due to the presence of an existing fire hydrant and existing storm sewer line.

Please let us know if we need to provide any additional information for this variance request.

Please also find attached written responses to the additional comments from the Site Plan Submission on 3.7.2023.

Thank you!

LEXI MOSKALUK
Designer | Boulder | (o) 720.274.0814 x 3504

Boulder | Charlotte | Washington DC | Dallas | Orlando | San Francisco
LandDesign.com | @LandDesignInc

realty investments

Mr. Ryan Miller
City of Rockwall
Director of Planning and Zoning
385 S. Goliad Street, Rockwall, TX 75087
(972) 772-6441

VIA EMAIL: *rmiller@rockwall.com*
Date: 3/7/2023

Re: Rockwall Harbor District Condominium Alternative Tree Mitigation Settlement

We are requesting approval of an alternative tree mitigation settlement agreement for the subject property. The treescape plans for these cases indicated a total of 807 caliper-inches of trees would be removed from the subject property. The approved landscape plans for these cases indicated a total of 156 caliper inches would be added back to the subject property. This left an outstanding mitigation balance of 651 inches.

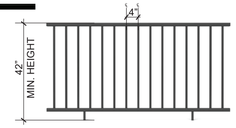
At least a third of the mitigation requirements are hackberry trees, which would not be required under the 2023 code. The original tree survey took a while to be completed and we do not want to delay the project by waiting on a new arborist for a new tree survey to meet the new 2023 code, so this submittal will be following the previous code and will be mitigating the large hackberry trees. Additionally, this is a challenging site with significant topography changes and the developer has worked hard to meet all the requirements of the PD in the Harbor District. Changing the existing site elevation makes it difficult to preserve trees but developer is willing to contribute funds to plant new trees elsewhere in the city parks.

Our understanding is that the mitigation balance may be satisfied under Section 5.7, *Alternative Tree Mitigation Settlement Agreements,* of Article IX, *Tree Preservation*, of the Unified Development Code (UDC). This gives the City Council the ability to approve an alternative tree mitigation plans on a case-by-case basis pending a recommendation from the Planning and Zoning Commission. Should this request be approved, the applicant is proposing to satisfy the mitigation balance by providing a check in the amount of $65,100. These funds would be deposited in the City's tree mitigation fund and will be used for planting trees in the city's parks, medians, and other similar areas.

Please consider our request for these mitigation funds to applied elsewhere in Rockwall.

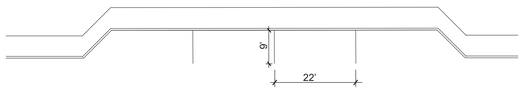
Respectfully,

Asher Hamilton
Realty Investments / RIV Properties LLC
CEO
Date: 3/7/2023



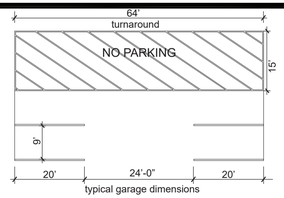
3 BALCONY / RETAINING WALL GUARD RAIL

SCALE: N.T.S



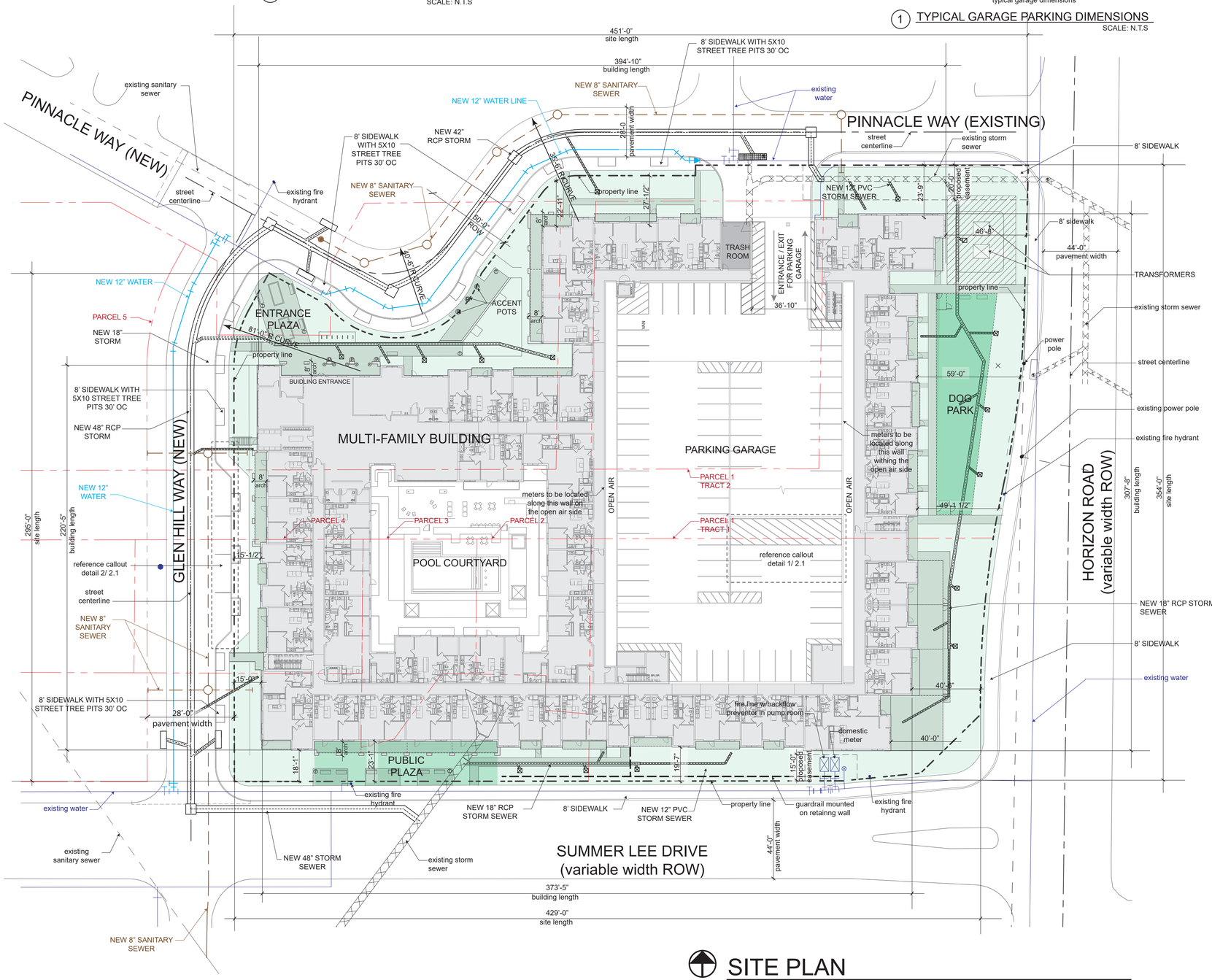
2 TYPICAL PARALLEL PARKING DIMENSIONS

SCALE: N.T.S



1 TYPICAL GARAGE PARKING DIMENSIONS

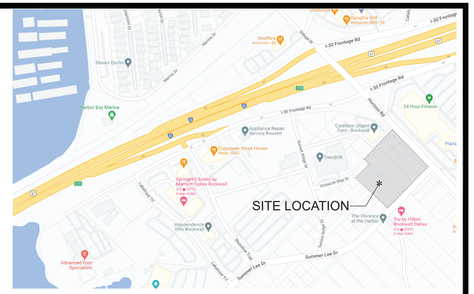
SCALE: N.T.S



NORTH

SITE PLAN

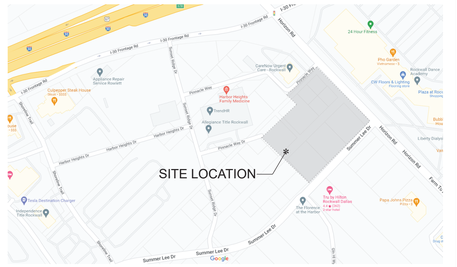
SCALE 1" = 30'-0"



NORTH

VICINITY MAP

SCALE: N.T.S



NORTH

SITE MAP

SCALE: N.T.S

PROJECT DATA

SITE AREA:
3.3 ACRES (143,748 SF)

GROSS BUILDING SQUARE FOOTAGE:
347,143 SF

LAND USE:
COMMERCIAL

BUILDING INFORMATION
ONE (1) THREE/FOUR STORY BUILDING

SQUARE FOOTAGE:
347,313 GSF
156,593 NRSF

UNIT INFOMRATION
AVG. UNIT SIZE:
890 SF.

1 BEDRM UNIT TOTAL: 108 UNITS
2 BEDRM UNIT TOTAL: 60 UNITS
3 BEDRM UNIT TOTAL: 8 UNITS
TOTAL UNITS: 176 UNITS

PARKING INFORMATION
305 PARKING SPACES PROVIDED @1.7 SPACES / UNIT

7 ACCESSIBLE PARKING SPACES TO BE PROVIDED DISTRIBUTED THORUGH EACH PARKING LEVEL

SITE REQUIRES REPLATTING. LINES SHOWN AS FOLLOWS

- CURRENT PLATS
- FUTURE PLAT
- ENGINEERED RETAINING WALL (stone faced w/fence above)
- PATIOS / ACCESS ROUTE
- GUARDRAILS

BENCH (P) POTS PLANTERS

(T) TRASH RECEPTACLES

PAVING INFORMATION

STREET: 6" 3600 PSI CONCRETE W/#4 @ 18" OCEW

DRIVES: 6" 3600 PSI CONCRETE W/#3 @ 24" OCEW

SIDEWALK: 4" 3000 PSI CONCRETE W/#3 @ 24" OCEW

DESIGN BALANCE, INC.
2701 SUNSET RIDGE DR
SUITE 607H
ROCKWALL, TX 75032
214.668.2306

OWNER:

RIV PROPERTIES, LLC
P.O. BOX 192054
DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

2.1
SITE PLAN

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of ____, ____.

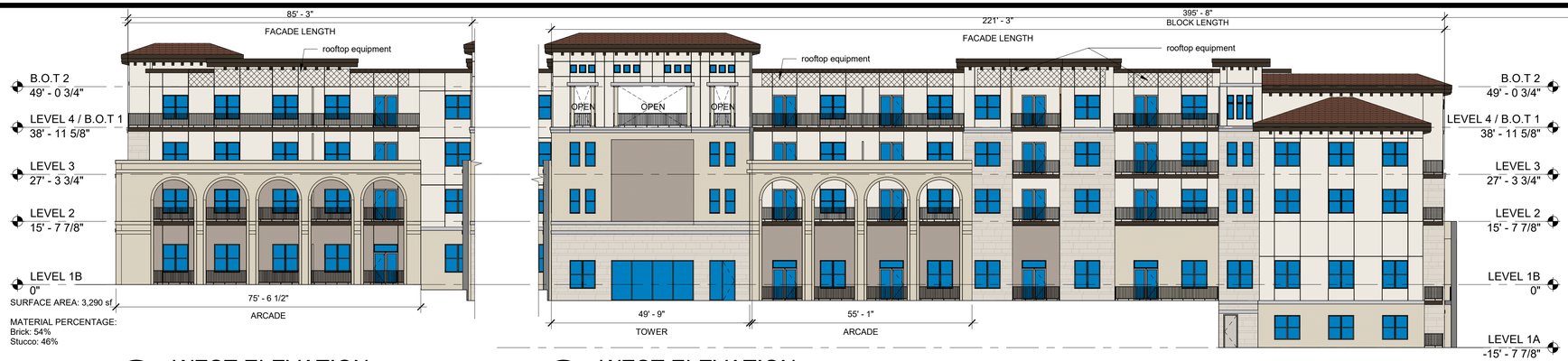
WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING AND ZONING
CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S
SIGNATURE:

CASE NUMBER:

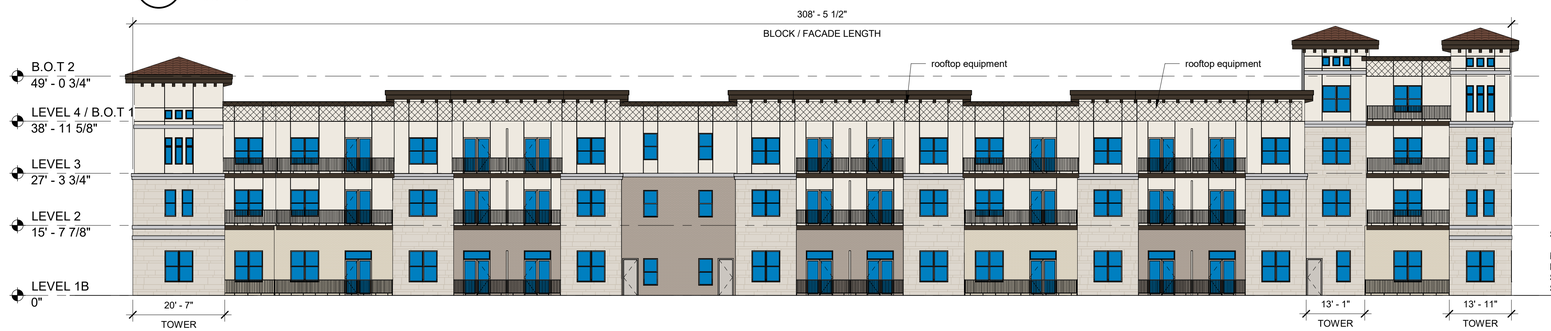
SP2023-008



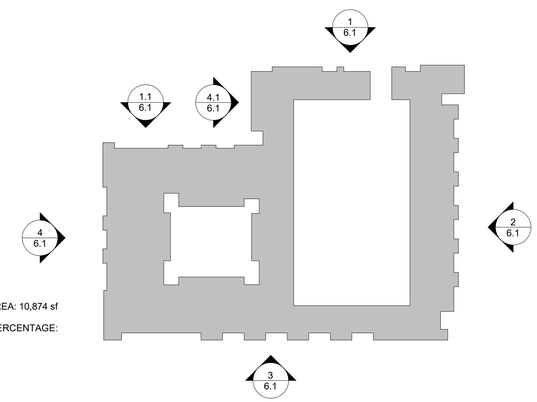
4.1 / 6.1 **WEST ELEVATION**
1/16" = 1'-0"

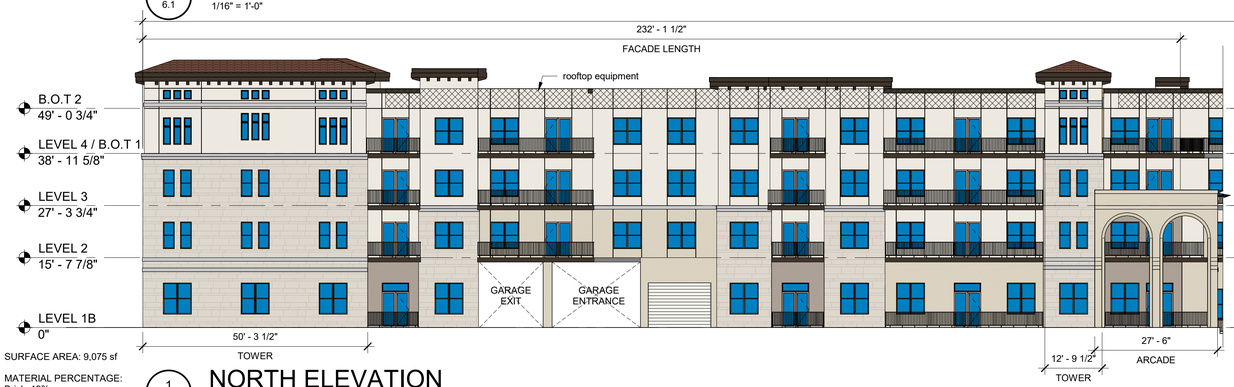
4 / 6.1 **WEST ELEVATION**
1/16" = 1'-0"

3 / 6.1 **SOUTH ELEVATION**
1/16" = 1'-0"

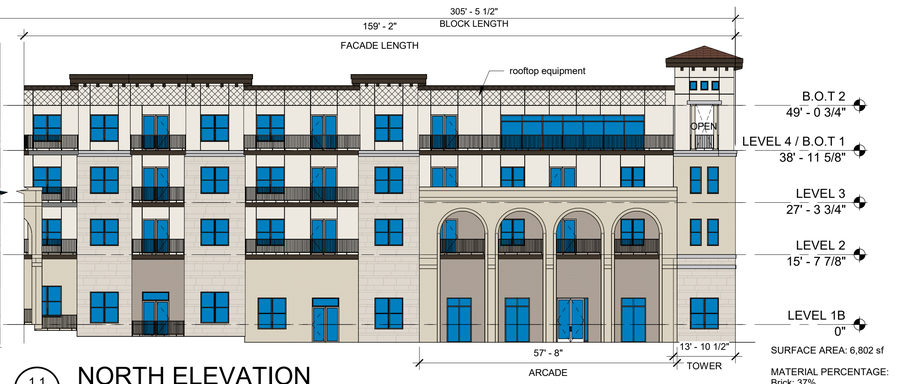


2 / 6.1 **EAST ELEVATION**
1/16" = 1'-0"





1 / 6.1 **NORTH ELEVATION**
1/16" = 1'-0"



1.1 / 6.1 **NORTH ELEVATION**
1/16" = 1'-0"

MATERIAL LEGEND

- BRICK - ACME - Shamrock
- BRICK - ACME - Galena
- STONE - Salado - White Limestone
- STUCCO - Sherwin Williams - Marshmallow
- TRIM - Sherwin Williams - Rockweed
- CONCRETE ROOF TILE - BORAL - Tejas España - Casa Grande Blend

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DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:
03/07/2023

SHEET NUMBER AND TITLE:

6.1 BUILDING ELEVATIONS

I hereby certify that the above and foregoing sit eplan for a development in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the _____ day of _____, _____.

WITNESS OUR HAND, this _____ day of _____, _____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

CASE NUMBER:
SP2023-008

1. BRICK, ACME

2. BRICK, ACME

3. STONE, SALADO

4. CONCRETE SPANISH TILE

5. STUCCO, SHERWIN WILLIAMS (COLOR), MARSHAMLLOW

6. FIBER CEMENT, SHERWING WILLIAMS (COLOR), IRON GATE

GABRIELA BLAKE
DESIGN BALANCE, INC.
2701 SUNSET RIDGE DR. SUITE 607H
ROCKWALL, TEXAS 75032
915.861.2247

OWNER:

RIV PROPERTIES, LLC
P.O. BOX 192054
DALLAS, TX 75219
214.908.4684

PROJECT CASE NUMBER:

Z2022-058

REFERENCE NOTES SCHEDULE ENTIRE SITE

	FENCE AND RAILING								
CODE	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	COLOR	FINISH	SIZE	REMARKS	
F-101	FENCE - TYPE 1	-	-	-	-	-	48" HIGH, VERTICAL MEMBERS SPACED AT 4"	UNIT FENCE TO MATCH BALCONIES, SEE ARCH PLANS	
F-102	FENCE - TYPE 2	AMERISTAR	MONTAGE MAJESTIC	RE: MANUFACTURER	BLACK	RE: MANUFACTURER	4` HT	POOL, PET, PLAY OPTION	
F-103	GATE - TYPE 1	-	-	-	-	-	-	GATE TO MATCH ARCHITECTURAL BALCONY FENCE, SEE ARCH PLANS	
F-104	GATE - TYPE 2	AMERISTAR	MONTAGE MAJESTIC GATE	RE: MANUFACTURER	BLACK	RE: MANUFACTURER	4` HT	POOL, PET, PLAY OPTION	

	OUTDOOR KITCHEN								
CODE	DESCRIPTION	MANUFACTURER	MODEL	SIZE	MATERIAL	COLOR	FINISH	MOUNT	REMARKS
K-101	KITCHEN COUNTER WALL	TECHO-BLOC	TRAVERTINA RAW	-	-	-	-	-	-
K-102	KITCHEN COUNTER	DEKTON	-	-	-	-	-	-	-
K-103	GAS GRILL	-	-	-	-	-	-	-	-

	LANDSCAPE								
CODE	DESCRIPTION	MANUFACTURER	MODEL	SIZE	COLOR	MATERIAL	MIX	REMARKS	
L-101	MULCH - TYPE 1		SHREDDED HARDWOOD MULCH	-	NATURAL	-	-	-	
L-102	MULCH - TYPE 2	-	DECORATIVE ROCK MULCH	3-5"	-	-	-	-	
L-103	MULCH - TYPE 3	-	MEXICAN BEACH PEBBLE	-	-	-	-	-	

	PAVING								
CODE	DESCRIPTION	MANUFACTURER	MODEL	SIZE	MATERIAL	COLOR	FINISH	PATTERN / JOINT	REMARKS
P-101	CONCRETE - TYPE 1	-	-	-	-	STANDARD GREY	BROOM	-	-
P-102	CONCRETE - TYPE 2	DAVIS CONCRETE COLORS	-	-	INTEGRALLY COLORED CONCRETE	SANDSTONE + SAN DIEGO BUFF	SMOOTH	SEE MATERIAL PLANS.	MATERIAL PLANS ARE UNDER DEVELOPMENT.
P-103	CONCRETE - TYPE 3	DAVIS CONCRETE COLORS	-	-	INTEGRALLY COLORED CONCRETE	SANDSTONE + SAN DIEGO BUFF	SMOOTH	SEE MATERIAL PLANS.	MATERIAL PLANS ARE UNDER DEVELOPMENT.
P-104	PAVERS - TYPE 1	WAUSAU	FRONTIER	12" X 24" X 2"	CONCRETE	HFT-85/SRI 41 + HFT 25/SRI 53		SEE MATERIAL PLANS.	MATRIAL PLANS ARE UNDER DEVELOPMENT.
P-105	PAVERS - TYPE 2	TECHO-BLOC	INDUSTRIA SMOOTH	900 X 600	CONCRETE	BEIGE CREAM + CHESTNUS BROWN	HD SMOOTH	SEE MATERIAL PLANS.	MATERIAL PLANS ARE UNDER DEVELOPMENT.
P-106	ARTIFICIAL TURF	SYNLAWN	SYNAUGUSTINE X47	1 5/8" PILE HEIGHT	-	FIELD GREEN / OLIVE / APPLE	100 OZ. WEIGHT	PROVIDE SAND INFILL MIX, DEPTH PER MANUFACTURER`S RECOMMENDATIONS	-

	POOL								
CODE	DESCRIPTION	MANUFACTURER	MODEL	SIZE	MATERIAL	COLOR	FINISH	REMARKS	
PL-101	POOL COPING	TECHO-BLOC	BULLNOSE GRANDE	12" X 5"		BEIGE CREAM			
PL-102	SUN SHELF	-	-	-	-	-	-	SEE POOL CONSULTANT DRAWINGS	
PL-103	SEAT LEDGE	-	-	-	-	-	-	SEE POOL CONSULTANT DRAWINGS	
PL-104	ENTRY STAIRS	-	-	-	-	-	-	SEE POOL CONSULTANT DRAWINGS	
PL-105	POOL BUBBLER	-	-	-	-	-	-	SEE POOL CONSULTANT DRAWINGS	

	SITE FURNISHINGS								
CODE	DESCRIPTION	MANUFACTURER	MODEL	SIZE	MATERIAL	COLOR	FINISH	MOUNT	REMARKS
S-101	BENCH - TYPE 1	LANDSCAPE FORMS	NEOLIVIANO	27" X 69" X 31"	DSTMA & ALUMINUM	RE: MANUFACTURER	RE: MANUFACTURER	SURFACE	
S-102	BENCH - TYPE 2	SCARBOROUGH	BACKED	28" X 72" X 34"	RE: MANUFACTURER	RAL #7003 MOSS GREY	RE: MANUFACTURER	SURFACE	PER PUD STANDARDS
S-103	PLANTER POT - TYPE 1	QCP	QR-COZ3733P	37" X 33" X 19"	CONCRETE	LATTE	RE: MANUFACTURER	-	
S-104	PLANTER POT - TYPE 2	QCP	QR-COZ3733P	27" X 24" X 13.5"	CONCRETE	QUAIL HILL RED	RE: MANUFACTURER	-	
S-105	BIKE RACK	FORMS+SURFACES	TRIO BIKE RACK	RE: MANUFACTURER	ALUMINUM	-	POWDERCOAT	SURFACE, RE: MANUFACTURER	
S-106	PET WASTE RECEPTACLE	DOG-ON-IT	COMPLETE DOG WASTE STATION #7408S	10 GALLON ROUND	POWEDERCOATED STAINLESS STEEL	GREEN	-	SURFACE	
S-107	WATER FOUNTAIN & PET BOWL	-	-	-	-	-	-	SURFACE	-
S-108	DRINK RAIL	LANDSCAPE FORMS	JESSE DRINK RAIL	FOUR 4` UNITS WITH END-CAPS	RE: MANUFACTURER	-	POWDERCOAT	SURFACE	12" TOP RAIL OPTION. JESSE RAIL OR SIMILAR SPEC.
S-109	CABANA	TUCCI	SOLANOX	8` X 8`	NATURAL ALUMA-TEAK	SANDBAR	POWDERCOAT	SURFACE	OR SIMILAR SPEC.
S-110	WASTE RECEPTACLE	LANDSCAPE FORMS	SCARBOROUGH - SIDE OPEN	25" X 40" (30 GAL)	METAL	RAL #7003 MOSS GREY	RE: MANUFACTURER	SURFACE	

	WALLS AND STAIRS								
CODE	DESCRIPTION	MANUFACTURER	MODEL	FINISH	SIZE	HEIGHT	REMARKS		
W-101	WOOD BENCH	-	-	WOOD	SEE PLAN	18"	CUSTOM BENCH - SEE DETAILS		
W-102	CURB-STEP	-	-	-	SEE PLAN	VARIES	LIMESTONE BLOCK STEP, OR SIMILAR.		
W-103	STAIR - TYPE 1	-	-	SMOOTH	SEE PLAN	-	COLOR TO MATCH INTEGRALLY COLORED CONCRETE		
W-104	PLANTER WALL - TYPE 1	-	-	-	SEE PLAN	VARIES	LIMESTONE CLAD CONCRETE WALL, OR SIMILAR		
W-105	PLANTER WALL - TYPE 2	-	-	BROOMED	SEE PLAN	18"	CONCRETE PLANTER BED WALL		
W-106	FEATURE WALL WITH FIREPLACE	-	-	-	-	-	CUSTOM FIRE FEATURE OR SPECIFIED PRODUCT		
W-107	FLUSH CONCRETE CURB	-	-	-	SEE PLAN	-	COLOR TO MATCH STANDARD CONCRETE		

Luminaire Schedule

Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	C-102	16	LITHONIA_WDGE2 LED P3 40K 70CRI TFTM [VOLTAGE] [MOUNTING] [OPTIONS] [FINISH] [ACCESSORIES]	3573	32.1375	0.808	1.000
	LT-101	25	LUMENPULSE_ALG72XX [VOLTAGE] CSL S40 40K CRI 70 3 [FINISH] DIM [OPTIONS] [MOUNTING]	3801	31	0.808	1.000
	LT-102	4	LUMENPULSE_ALG72XX [VOLTAGE] CSL S40 40K CRI 70 4 [FINISH] DIM [OPTIONS] [MOUNTING]	3529	31	0.808	1.000
	LT-103	37	LOUIS POULSEN_FLINT BOLLARD 31.5 [COLOR] [MOUNTING] LED 4000K 784 120-277V/60HZ	784	15	0.808	1.000
	LT-104	66	ECOSENSE_RISE F080 1S MO 40 8 60 [FINISHES] [ACCESSORIES] [WIRING]	545	7.5	0.808	1.000
	LT-105	12	TARGETTI_ZES RP FW [FINISH] L1 40 24 [POWER SUPPLY]	90	3.9	0.808	1.000
	LT-106	72	TARGETTI_IN CL 1 WW 24 24 [CONNECTION - CAP - SUPPLY] [ACCESSORIES]	67	1.5	0.808	1.000
	P1	3	LITHONIA_DSX0 LED P4 40K 70CRI T5M [VOLTAGE] [MOUNTING] [OPTIONS] [FINISH] [ACCESSORIES]	23240	186.08	0.808	1.000

Calculation Summary

Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PROPERTY LINE	N.A.	Fc	1.14	6.1	0.1	11.40
GLEN HILL WAY		Fc	1.27	5.9	0.0	N.A.
HORIZON ROAD		Fc	0.85	4.3	0.0	N.A.
PARKING - DRIVE		Fc	1.65	3.0	0.4	4.13
PINNACLE WAY		Fc	1.30	4.0	0.0	N.A.
SUMMER LEE DRIVE		Fc	1.13	3.4	0.1	11.30

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	QTY
	AR	Acer rubrum 'October Glory'	October Glory Red Maple	CONT.	4" CAL	6
	CI	Carya illinoinensis	Pecan	CONT.	4" CAL	3
	CT	Cercis canadensis texensis 'Texas White'	Texas White Redbud	CONT.	4` HEIGHT MIN.	2
	CL	Chilopsis linearis	Desert Willow	CONT.	4` HEIGHT MIN.	19
	ID	Ilex decidua	Possumhaw Holly	CONT.	4` HEIGHT MIN.	4
	ML	Magnolia grandiflora 'Little Gem'	Little Gem Dwarf Southern Magnolia	CONT	4" CAL	10
	QB	Quercus buckleyi	Texas Red Oak	CONT.	4" CAL	10
	RL	Rhus lanceolata	Flameleaf Sumac	CONT.	4` HEIGHT MIN.	4
	TD	Taxodium distichum	Bald Cypress	CONT.	4" CAL	1
	UC	Ulmus crassifolia	Cedar Elm	CONT.	4" CAL	8

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
	AGG	Abelia x grandiflora	Glossy Abelia	5 GAL		24
	AGK	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Glossy Abelia	5 GAL		39
	HQO	Hydrangea quercifolia 'Snow Queen'	Snow Queen Oakleaf Hydrangea	5 GAL		11
	ICB	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	5 GAL		21
	IVN	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	5 GAL		254
	LFS	Leucophyllum frutescens	Texas Sage	5 GAL		28
	MPW	Myrica pumila	Dwarf Wax Myrtle	5 GAL		13
	PMM	Podocarpus macrophyllus 'Maki'	Maki Yew Podocarpus	5 GAL		27
	PLO	Poliomintha longiflora	Mexican Oregano	5 GAL		36
	ROR	Rosmarinus officinalis	Rosemary	5 GAL		104

ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
	LMB	Liriope muscari 'Big Blue'	Big Blue Lilyturf	1 GAL		293
	NTF	Nassella tenuissima	Mexican Feather Grass	1 GAL		276
	SSS	Schizachyrium scoparium 'Standing Ovation'	Standing Ovation Little Bluestem	SOD		273

PERENNIALS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
	AEC	Aspidistra elatior	Cast Iron Plant	3 GAL		111
	DAS	Dichondra argentea	Silver Dichondra	1 GAL		36
	EPM	Echinacea purpurea 'Magnus'	Purple Coneflower	1 GAL		124
	MDB	Monarda didyma	Bee Balm	1 GAL		52
	NRW	Nepeta racemosa 'Walker's Low'	Walker's Low Catmint	3 GAL		122
	PBR	Penstemon baccharifolius	Rock Penstemon	1 GAL		41
	SGS	Salvia greggii	Autumn Sage	1 GAL		28

SUCCULENTS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
	HPR	Hesperaloe parviflora	Red Yucca	3 GAL		72
	YFC	Yucca filamentosa 'Color Guard'	Color Guard Adam's Needle	3 GAL		64
	YGT	Yucca gloriosa tristis	Curveleaf Spanish Dagger	3 GAL		14
	YPP	Yucca pallida	Pale-leaf Yucca	3 GAL		34

GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SPACING	REMAR
	CTS-Q	Carex texensis	Texas Sedge	4" POTS	12" O.C.	12" o.c.	
	TURF	Stenotaphrum secundatum	St. Augustine Grass	SOD			

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ROCKWALL, TX 75032
214.668.2306

OWNER:

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P.O. BOX 192054
DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L100

SCHEDULES

I hereby certify that the above and foregoing sit eplan for a development in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of _____, ____.

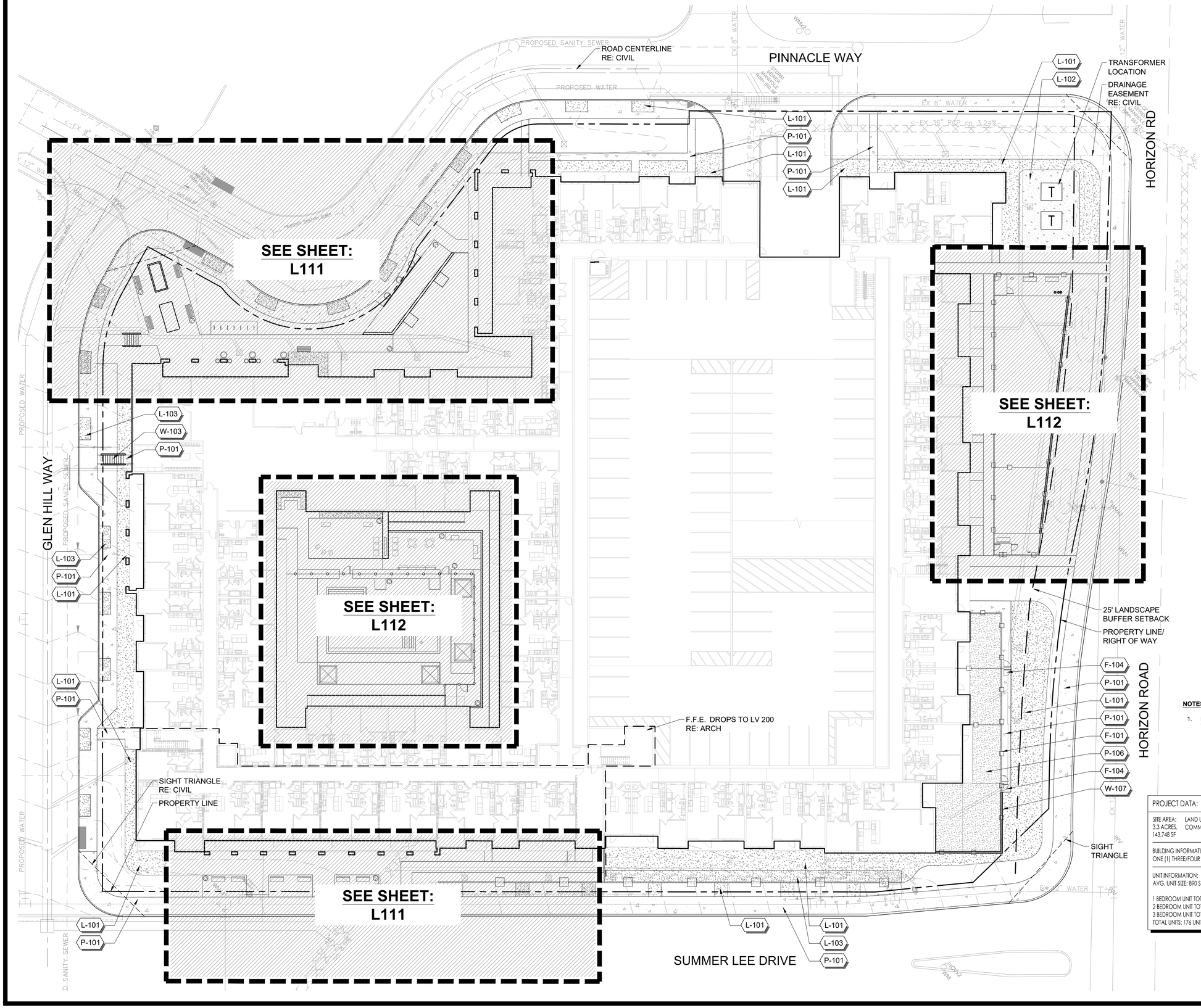
WITNESS OUR HAND, this ____ day of _____, ____.

PLANNING DIRECTOR'S SIGNATURE:

PLANNING AND ZONING CHAIRMAN SIGNATURE:

CASE NUMBER:

SP2023-008



NOTES:

1. FOR INFORMATION REGARDING MATERIAL TAGS, SEE MATERIALS SCHEDULE: L100

PROJECT DATA:

*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.

SITE AREA: 3.3 ACRES, 143,748 SF	LAND USE: COMMERCIAL	IMPERVIOUS AREA PROVIDED: 2.45 ACRES (75%) LANDSCAPE AREA PROVIDED: .85 ACRES (25%)
BUILDING INFORMATION: ONE (1) THREE/FOUR STORY BUILDING		SQUARE FOOTAGE: 347,314 GSF - 156,593 NRSF
UNIT INFORMATION: AVG. UNIT SIZE: 890 SF. 1 BEDROOM UNIT TOTAL: 108 2 BEDROOM UNIT TOTAL: 60 3 BEDROOM UNIT TOTAL: 8 TOTAL UNITS: 176 UNITS		PARKING INFORMATION: 305 PARKING SPACES PROVIDED AT 1.7 SPACES/UNIT 7 ACCESSIBLE PARKING SPACES TO BE PROVIDED DISTRIBUTED THROUGHOUT EACH PARKING LEVEL

SCALE: 1"=20' NORTH
0 10' 20' 40'

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ROCKWALL, TX 75032
214.668.2306

OWNER:

RIV PROPERTIES, LLC
P.O. BOX 192054
DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L110

LANDSCAPE PLAN - MATERIALS

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of ____, ____.

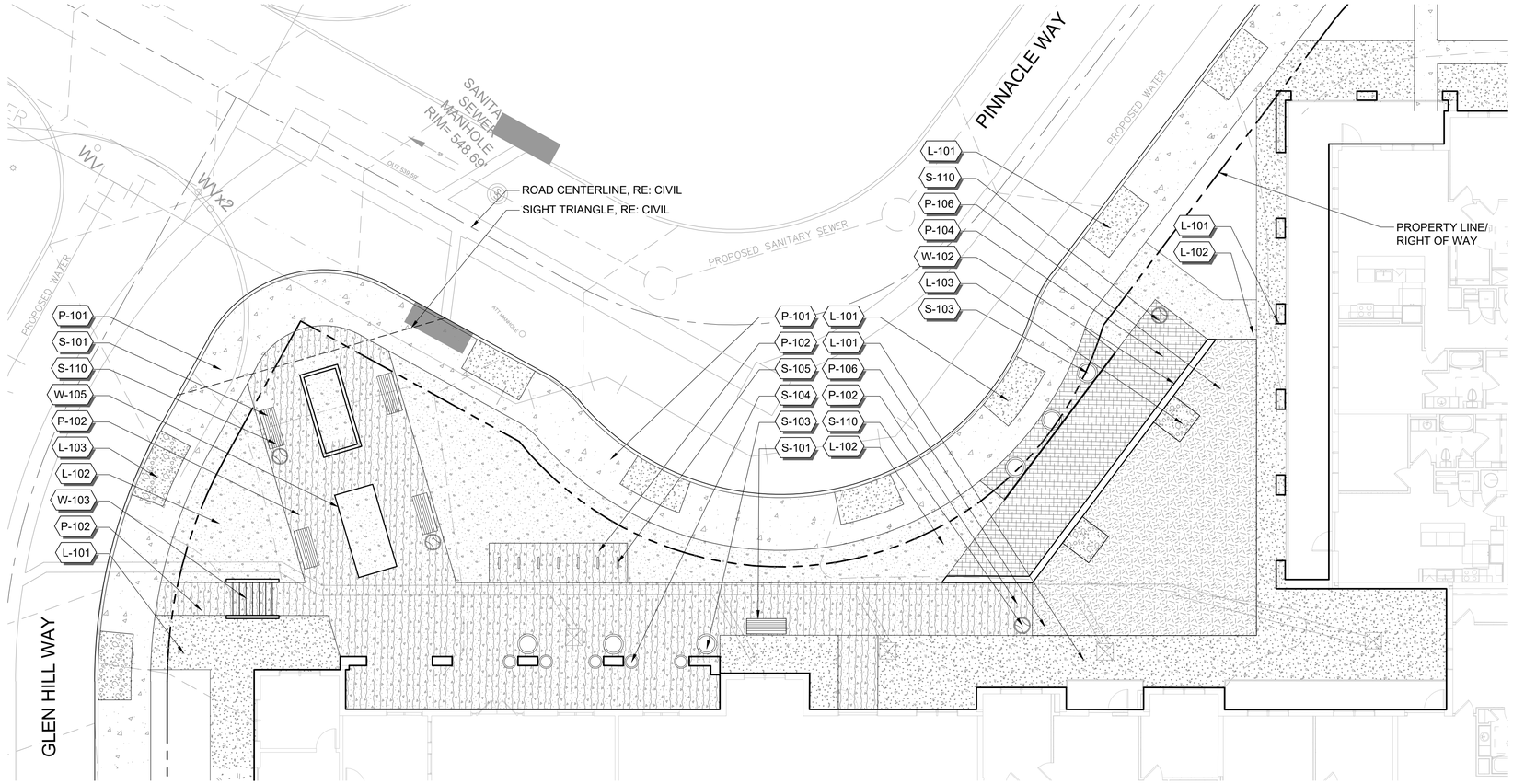
WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

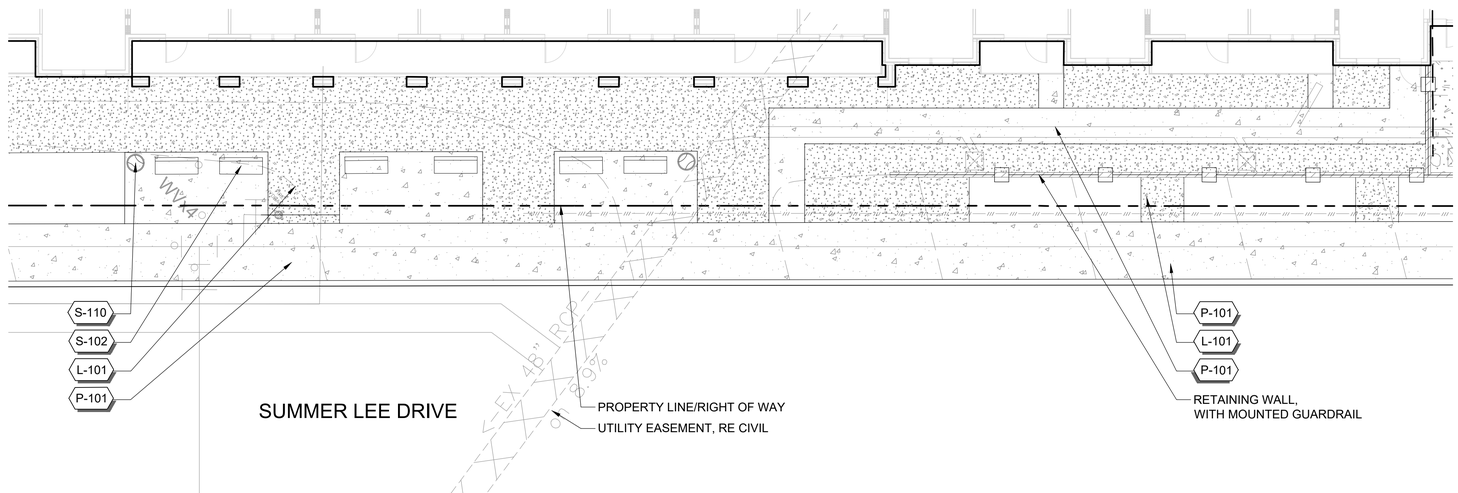
CASE NUMBER:

SP2023-008



1 ENTRY COURTYARD - LANDSCAPE MATERIALS PLAN

SCALE: 1" = 10'



2 STREETSCAPE PLAZA - LANDSCAPE MATERIALS PLAN

SCALE: 1" = 10'

NOTES:

1. FOR INFORMATION REGARDING MATERIAL TAGS, SEE MATERIALS SCHEDULE: L100

PROJECT DATA:		*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.
SITE AREA: 3.3 ACRES. 143,748 SF	LAND USE: COMMERCIAL	IMPERVIOUS AREA PROVIDED: 2.45 ACRES (75%) LANDSCAPE AREA PROVIDED: .85 ACRES (25%)
BUILDING INFORMATION: ONE (1) THREE/FOUR STORY BUILDING		SQUARE FOOTAGE: 347,314 GSF - 156,593 NRSF
UNIT INFORMATION: AVG. UNIT SIZE: 890 SF. 1 BEDROOM UNIT TOTAL: 108 2 BEDROOM UNIT TOTAL: 60 3 BEDROOM UNIT TOTAL: 8 TOTAL UNITS: 176 UNITS		PARKING INFORMATION: 305 PARKING SPACES PROVIDED AT 1.7 SPACES/UNIT 7 ACCESSIBLE PARKING SPACES TO BE PROVIDED DISTRIBUTED THROUGHOUT EACH PARKING LEVEL

DESIGN BALANCE, INC.
2701 SUNSET RIDGE DR
SUITE 607H
ROCKWALL, TX 75032
214.668.2306

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DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L111

LANDSCAPE PLAN - MATERIALS

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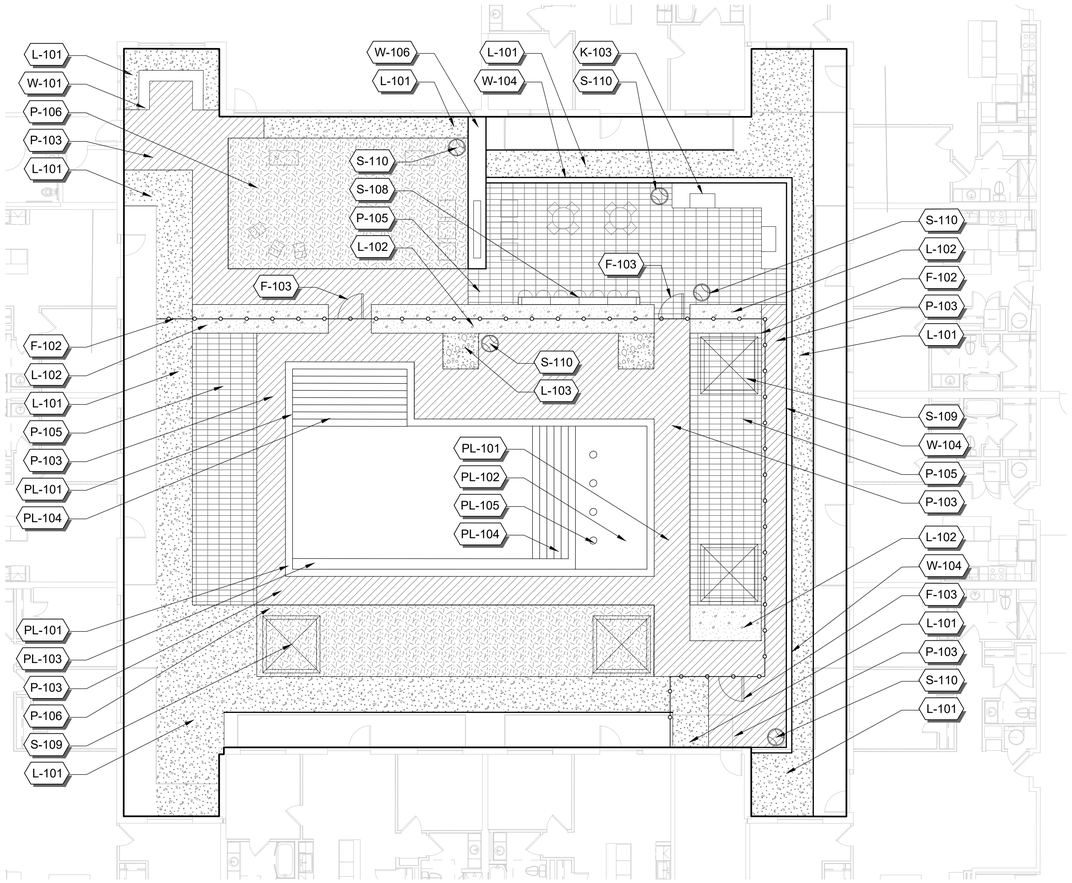
WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

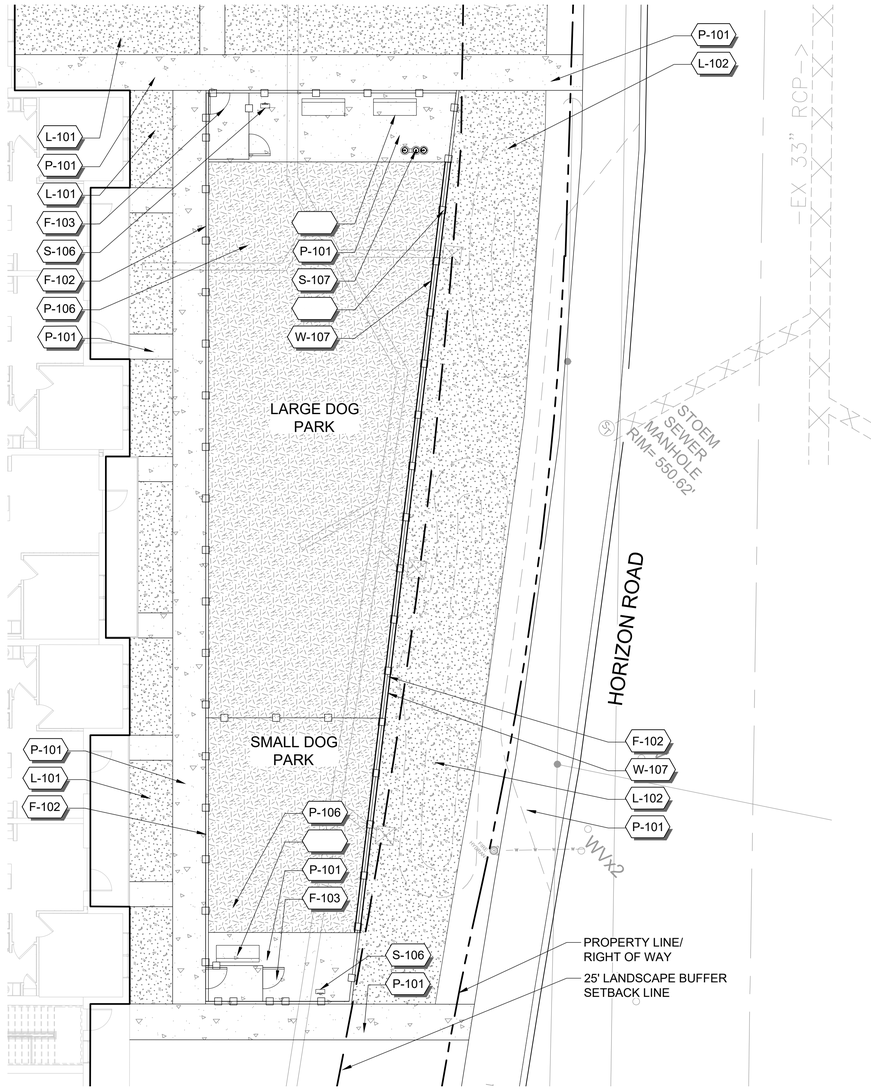
CASE NUMBER:

SP2023-008



1 POOL COURTYARD - LANDSCAPE MATERIALS PLAN

SCALE: 1" = 10'



2 DOG PARK - LANDSCAPE MATERIALS PLAN

SCALE: 1" = 10'

NOTES:

1. FOR INFORMATION REGARDING MATERIAL TAGS, SEE MATERIALS SCHEDULE: L100

PROJECT DATA:		*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.
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BUILDING INFORMATION: ONE (1) THREE/FOUR STORY BUILDING		SQUARE FOOTAGE: 347,314 GSF - 156,593 NRSF
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214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L112

LANDSCAPE PLAN - MATERIALS

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of ____, ____.

WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

CASE NUMBER:

SP2023-008

PINNACLE WAY

ROAD CENTERLINE
RE: CIVIL

TRANSFORMER
LOCATION

DRAINAGE
EASEMENT
RE: CIVIL

HORIZON RD

GLEN HILL WAY

SUMMER LEE DRIVE

HORIZON ROAD

25' LANDSCAPE
BUFFER SETBACK

PROPERTY LINE/
RIGHT OF WAY

SIGHT TRIANGLE
RE: CIVIL

PROPERTY LINE

SIGHT
TRIANGLE

F.F.E. DROPS TO LV 200
RE: ARCH

PROPOSED SANITY SEWER

PROPOSED WATER

EX. 8" WATER

EX. 12" WATER

EX. 8" SS

(6) QB
(160 sf) TURF
(6) IVN
(12) SSS
(4) YGT

(52) CTS-Q, TYP
(6) PLO
(20) HPR
(6) YFC

(2) YGT
(14) DAS

(17) NTF
(2) YGT
(52) CTS-Q

(27) EPM
(19) SGS
(8) PLO
(2) LFS
(8) PBR

(3) DAS
(2) CT
(13) YFC
(6) HPR
(16) PLO
(5) PBR

(9) SGS
(1) UC
(4) CL
(26) EPM
(50) NTF
(2) UC

(14) DAS
(2) YGT

(3) LFS

(283 sf) TURF
(27) NTF
(5) NTF

(5) NTF
(15) ROR
(5) NTF
(109) CTS-Q

(5) SSS
(3) LFS
(15) EPM
(15) NTF
(5) AGK
(6) ICB
(128) CTS-Q
(370 sf) TURF

(8) IVN
(9) SSS
(3) YGT
(5) DAS

(4) IVN
(6) HPR
(4) IVN
(6) HPR
(5) IVN
(52) SSS

(22) IVN
(6) HPR
(4) IVN

(2) AGK
(3) AGK
(372) CTS-Q
(97 sf) TURF
(3) AGK

(3) AGK
(3) UC
(3) AGK
(20) AGK
(4) EPM
(7) EPM

(4) YFC
(1) YGT
(2) UC

(10) ROR
(3) PLO
(4) NRW
(4) NRW
(41) LMB
(4) NRW
(2) IVN
(1) CL

(4) YFC
(3) ROR
(70) CTS-Q
(4) YFC
(3) PLO

(12) MDB
(4) YFC
(10) PBR

(2) CL
(26) YPP

(7) IVN
(18) PBR

(1) CL
(7) IVN

(1) CL
(10) IVN
(9) MDB
(23) LMB
(18) AEC
(4) IVN

(8) YPP
(1) CL
(8) AEC
(35) IVN

(7) IVN
(1) CL

(7) IVN
(1) CL

(48) LMB
(3) IVN
(1) CL

(1,243 sf) TURF
(5) YFC
(3) IVN
(4) LFS

(1) ICB
(61) LMB
(25) ROR
(6) LFS
(28) HPR

(15) IVN
(15) YFC

(45) NRW
(45) EPM

(4) IVN
(14) NRW

(31) MDB
(4) IVN
(26) NRW

(32) AEC
(2) IVN
(4) NRW

(4) ROR
(31) ROR
(78) SSS

(2,088 sf) TURF
(27) SSS
(5) ICB
(357) CTS-Q

(24) NTF
(1) ML

(24) NTF
(1) ML

(47) NTF
(25) NTF

(3) NRW
(2) ROR

(3) NRW
(5) NTF
(150 sf) TURF

(3) NRW
(5) NTF
(149 sf) TURF

(3) NRW
(5) NTF
(148 sf) TURF

(3) NRW
(5) NTF
(147 sf) TURF

(3) NRW
(5) NTF
(146 sf) TURF

(3) NRW
(5) NTF
(7) ML
(145 sf) TURF

(9) SSS
(6) AGG
(14) ROR
(1) ML

(181 sf) TURF
(4) YFC
(10) SSS
(4) IVN

(336 sf) TURF
(5) YFC
(8) SSS
(5) IVN

(15) IVN
(28) SSS
(1,122 sf) TURF
(4) QB

(7) IVN
(17) SSS

(3) AR
(2,331 sf) TURF
(6) IVN
(10) SSS

(5) ICB
(6) SSS
(4) IVN
(41) AEC
(27) PMM

(12) AEC
(121) CTS-Q

(4) IVN
(16) LMB
(21) LMB
(5) IVN

(4) IVN
(17) LMB
(12) LMB
(6) IVN

(4) IVN
(17) LMB
(21) LMB
(5) IVN
(16) LMB
(4) IVN

(39) CTS-Q
(1) RL
(5) AGG
(1) CI

(2) CL
(11) HQO
(1) CI

(2) CL
(5) AGG
(1) CI
(1) RL

(1) RL
(4) ID
(4) ICB
(9) IVN

(10) LFS
(13) MPW
(9) IVN
(3) AR

(2) CL
(1) TD
(8) AGG
(1) RL
(211) CTS-Q
(772 sf) TURF

NOTES:

1. IRRIGATION WILL MEET ALL REQUIREMENTS OF THE ROCKWALL, TX UDC
2. ALL TREES SHALL BE PLANTED WITH ROOT PROTECTION PER CITY REQUIREMENTS
3. TREES SHALL NOT BE PLACED CLOSER THAN 5' TO UTILITY LINES
4. FOR DETAILED PLANT SPECIES INFORMATION SEE PLANTING SCHEDULE: L100

PROJECT DATA:		*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.
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SCALE: 1"=20'

NORTH

0 10' 20' 40'

DESIGN BALANCE, INC.
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DALLAS, TX 75219
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HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L120

LANDSCAPE PLAN - PLANTING

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the _____ day of _____, _____.

WITNESS OUR HAND, this _____ day of _____, _____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

CASE NUMBER:

SP2023-008

PROJECT DATA:		*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.
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NOTES:

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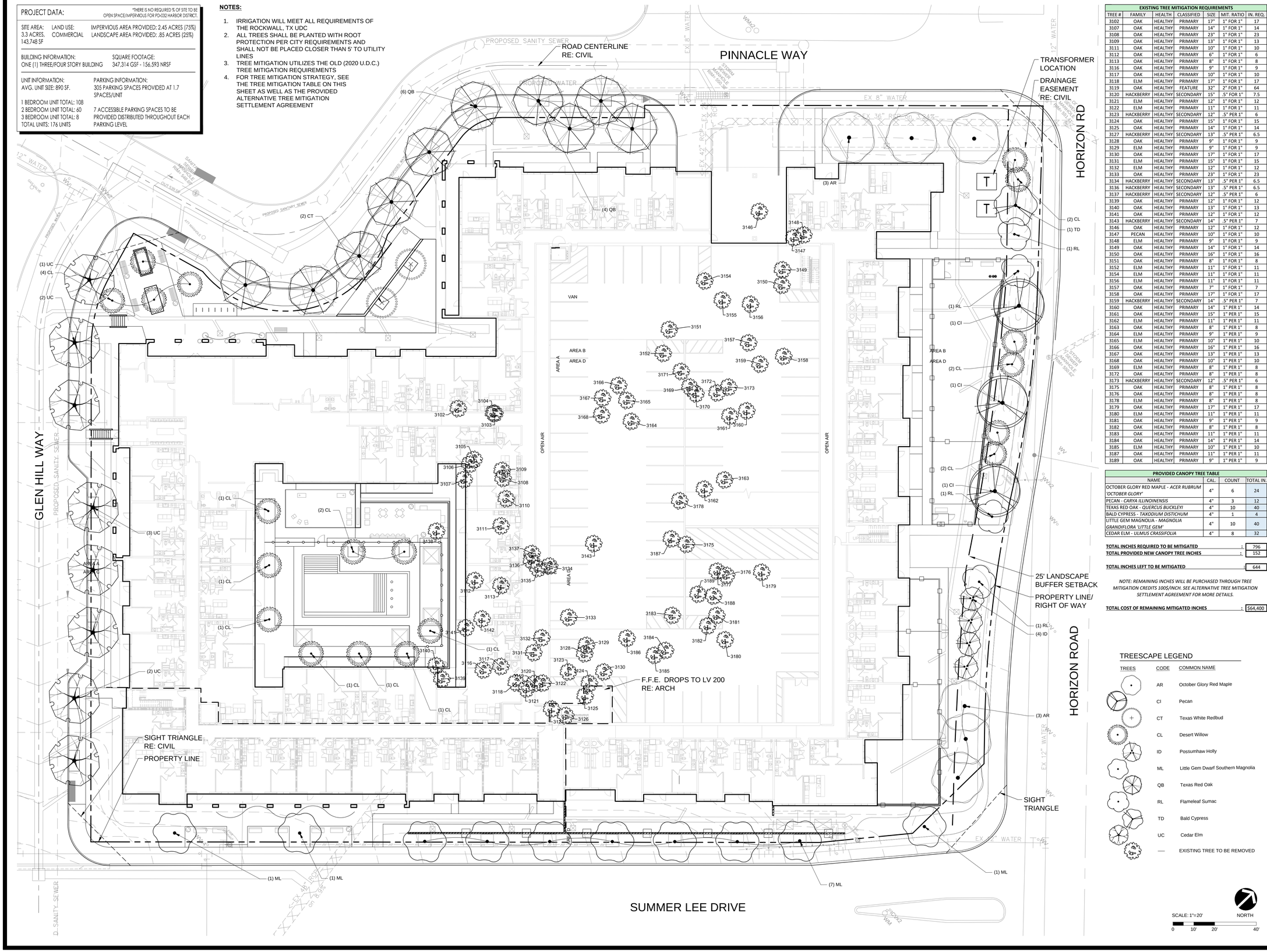
2. ALL TREES SHALL BE PLANTED WITH ROOT PROTECTION PER CITY REQUIREMENTS AND SHALL NOT BE PLACED CLOSER THAN 5' TO UTILITY LINES
3. TREE MITIGATION UTILIZES THE OLD (2020 U.D.C.) TREE MITIGATION REQUIREMENTS
4. FOR TREE MITIGATION STRATEGY, SEE THE TREE MITIGATION TABLE ON THIS SHEET AS WELL AS THE PROVIDED ALTERNATIVE TREE MITIGATION SETTLEMENT AGREEMENT



EXISTING TREE MITIGATION REQUIREMENTS

TREE #	FAMILY	HEALTH	CLASSIFIED	SIZE	MIT. RATIO	IN. REQ.
3102	OAK	HEALTHY	PRIMARY	17"	1" FOR 1"	17
3107	OAK	HEALTHY	PRIMARY	14"	1" FOR 1"	14
3108	OAK	HEALTHY	PRIMARY	23"	1" FOR 1"	23
3109	OAK	HEALTHY	PRIMARY	13"	1" FOR 1"	13
3111	OAK	HEALTHY	PRIMARY	10"	1" FOR 1"	10
3112	OAK	HEALTHY	PRIMARY	6"	1" FOR 1"	6
3113	OAK	HEALTHY	PRIMARY	8"	1" FOR 1"	8
3116	OAK	HEALTHY	PRIMARY	9"	1" FOR 1"	9
3117	OAK	HEALTHY	PRIMARY	10"	1" FOR 1"	10
3118	ELM	HEALTHY	PRIMARY	17"	1" FOR 1"	17
3119	OAK	HEALTHY	FEATURE	32"	2" FOR 1"	64
3120	HACKBERRY	HEALTHY	SECONDARY	15"	.5" FOR 1"	7.5
3121	ELM	HEALTHY	PRIMARY	12"	1" FOR 1"	12
3122	ELM	HEALTHY	PRIMARY	11"	1" FOR 1"	11
3123	HACKBERRY	HEALTHY	SECONDARY	12"	.5" PER 1"	6
3124	OAK	HEALTHY	PRIMARY	15"	1" FOR 1"	15
3125	OAK	HEALTHY	PRIMARY	14"	1" FOR 1"	14
3127	HACKBERRY	HEALTHY	SECONDARY	13"	.5" PER 1"	6.5
3128	OAK	HEALTHY	PRIMARY	9"	1" FOR 1"	9
3129	ELM	HEALTHY	PRIMARY	9"	1" FOR 1"	9
3130	OAK	HEALTHY	PRIMARY	17"	1" FOR 1"	17
3131	ELM	HEALTHY	PRIMARY	15"	1" FOR 1"	15
3132	ELM	HEALTHY	PRIMARY	12"	1" FOR 1"	12
3133	OAK	HEALTHY	PRIMARY	23"	1" FOR 1"	23
3134	HACKBERRY	HEALTHY	SECONDARY	13"	.5" PER 1"	6.5
3136	HACKBERRY	HEALTHY	SECONDARY	13"	.5" PER 1"	6.5
3137	HACKBERRY	HEALTHY	SECONDARY	12"	.5" PER 1"	6
3139	OAK	HEALTHY	PRIMARY	12"	1" FOR 1"	12
3140	OAK	HEALTHY	PRIMARY	13"	1" FOR 1"	13
3141	OAK	HEALTHY	PRIMARY	12"	1" FOR 1"	12
3143	HACKBERRY	HEALTHY	SECONDARY	14"	.5" PER 1"	7
3146	OAK	HEALTHY	PRIMARY	12"	1" FOR 1"	12
3147	PECAN	HEALTHY	PRIMARY	10"	1" FOR 1"	10
3148	ELM	HEALTHY	PRIMARY	9"	1" FOR 1"	9
3149	OAK	HEALTHY	PRIMARY	14"	1" FOR 1"	14
3150	OAK	HEALTHY	PRIMARY	16"	1" FOR 1"	16
3151	OAK	HEALTHY	PRIMARY	8"	1" FOR 1"	8
3152	ELM	HEALTHY	PRIMARY	11"	1" FOR 1"	11
3154	ELM	HEALTHY	PRIMARY	11"	1" FOR 1"	11
3156	ELM	HEALTHY	PRIMARY	11"	1" FOR 1"	11
3157	OAK	HEALTHY	PRIMARY	7"	1" FOR 1"	7
3158	OAK	HEALTHY	PRIMARY	17"	1" FOR 1"	17
3159	HACKBERRY	HEALTHY	SECONDARY	14"	.5" PER 1"	7
3160	OAK	HEALTHY	PRIMARY	14"	1" PER 1"	14
3161	OAK	HEALTHY	PRIMARY	15"	1" PER 1"	15
3162	ELM	HEALTHY	PRIMARY	11"	1" PER 1"	11
3163	OAK	HEALTHY	PRIMARY	8"	1" PER 1"	8
3164	ELM	HEALTHY	PRIMARY	9"	1" PER 1"	9
3165	ELM	HEALTHY	PRIMARY	10"	1" PER 1"	10
3166	OAK	HEALTHY	PRIMARY	16"	1" PER 1"	16
3167	OAK	HEALTHY	PRIMARY	13"	1" PER 1"	13
3168	OAK	HEALTHY	PRIMARY	10"	1" PER 1"	10
3169	ELM	HEALTHY	PRIMARY	8"	1" PER 1"	8
3172	OAK	HEALTHY	PRIMARY	8"	1" PER 1"	8
3173	HACKBERRY	HEALTHY	SECONDARY	12"	.5" PER 1"	6
3175	OAK	HEALTHY	PRIMARY	8"	1" PER 1"	8
3176	OAK	HEALTHY	PRIMARY	8"	1" PER 1"	8
3178	ELM	HEALTHY	PRIMARY	8"	1" PER 1"	8
3179	OAK	HEALTHY	PRIMARY	17"	1" PER 1"	17
3180	ELM	HEALTHY	PRIMARY	11"	1" PER 1"	11
3181	OAK	HEALTHY	PRIMARY	9"	1" PER 1"	9
3182	OAK	HEALTHY	PRIMARY	8"	1" PER 1"	8
3183	OAK	HEALTHY	PRIMARY	11"	1" PER 1"	11
3184	OAK	HEALTHY	PRIMARY	14"	1" PER 1"	14
3185	ELM	HEALTHY	PRIMARY	10"	1" PER 1"	10
3187	OAK	HEALTHY	PRIMARY	11"	1" PER 1"	11
3189	OAK	HEALTHY	PRIMARY	9"	1" PER 1"	9

PROVIDED CANOPY TREE TABLE

NAME	CAL.	COUNT	TOTAL IN.
OCTOBER GLORY RED MAPLE - *ACER RUBRUM 'OCTOBER GLORY'*	4"	6	24
PECAN - *CARYA ILLINOINENSIS*	4"	3	12
TEXAS RED OAK - *QUERCUS BUCKLEYI*	4"	10	40
BALD CYPRESS - *TAXODIUM DISTICHUM*	4"	1	4
LITTLE GEM MAGNOLIA - *MAGNOLIA GRANDIFLORA 'LITTLE GEM'*	4"	10	40
CEDAR ELM - *ULMUS CRASSIFOLIA*	4"	8	32

TOTAL INCHES REQUIRED TO BE MITIGATED	:	796
TOTAL PROVIDED NEW CANOPY TREE INCHES	:	152
TOTAL INCHES LEFT TO BE MITIGATED	:	644

NOTE: REMAINING INCHES WILL BE PURCHASED THROUGH TREE MITIGATION CREDITS 100$/INCH. SEE ALTERNATIVE TREE MITIGATION SETTLEMENT AGREEMENT FOR MORE DETAILS.

TOTAL COST OF REMAINING MITIGATED INCHES	:	$64,400

TREESCAPE LEGEND

TREES	CODE	COMMON NAME
	AR	October Glory Red Maple
	CI	Pecan
	CT	Texas White Redbud
	CL	Desert Willow
	ID	Possumhaw Holly
	ML	Little Gem Dwarf Southern Magnolia
	QB	Texas Red Oak
	RL	Flameleaf Sumac
	TD	Bald Cypress
	UC	Cedar Elm
	—	EXISTING TREE TO BE REMOVED

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HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L210

TREESCAPE PLAN

I hereby certify that the above and foregoing sit eplan for a development in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of ____, ____.

WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING DIRECTOR'S SIGNATURE:

PLANNING AND ZONING CHAIRMAN SIGNATURE:

CASE NUMBER:

SP2023-008

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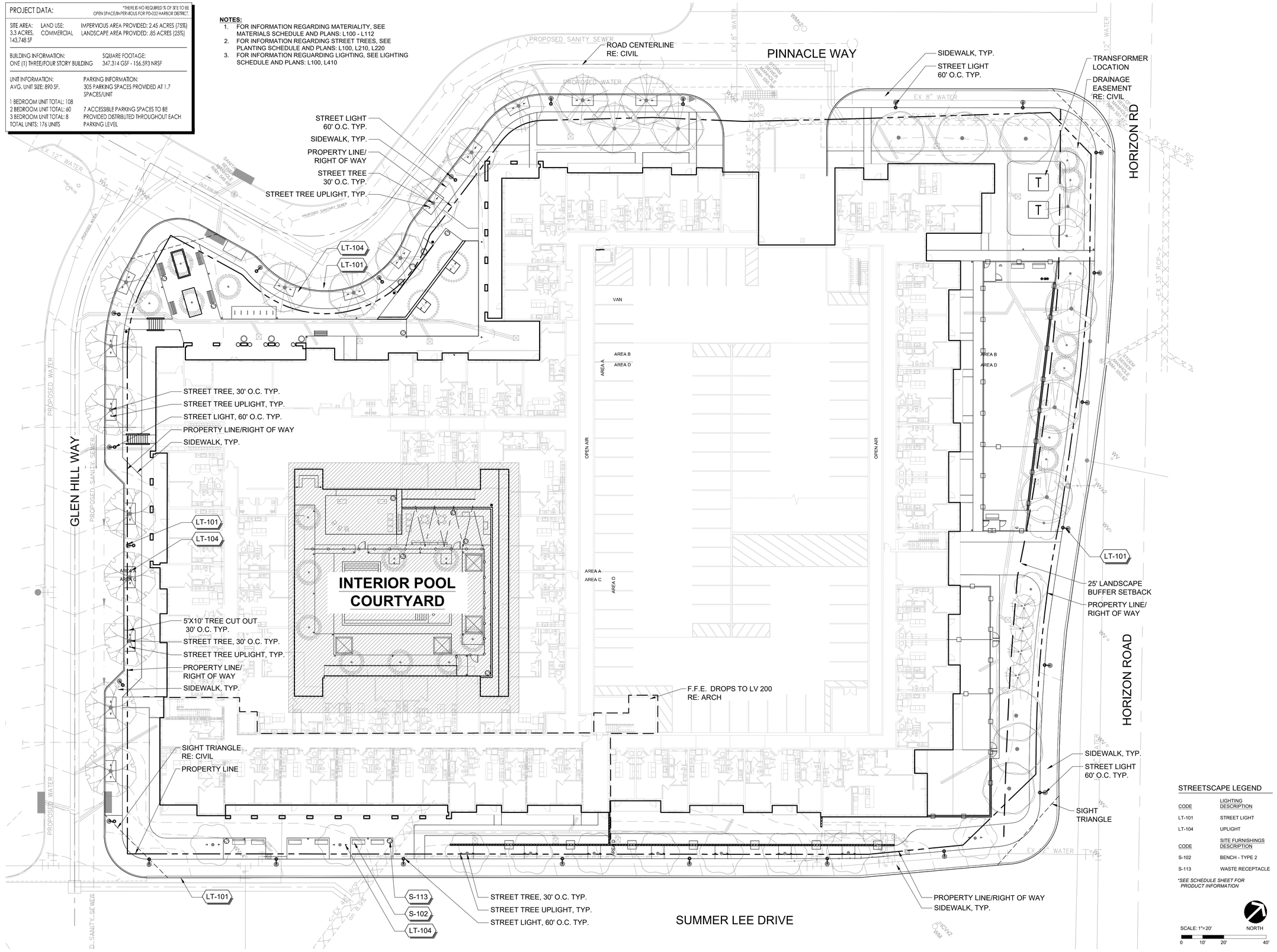
NOTES:
1. FOR INFORMATION REGARDING MATERIALITY, SEE MATERIALS SCHEDULE AND PLANS: L100 - L112
2. FOR INFORMATION REGARDING STREET TREES, SEE PLANTING SCHEDULE AND PLANS: L100, L210, L220
3. FOR INFORMATION REGUARDING LIGHTING, SEE LIGHTING SCHEDULE AND PLANS: L100, L410



STREETSCAPE LEGEND

CODE	LIGHTING DESCRIPTION
LT-101	STREET LIGHT
LT-104	UPLIGHT
CODE	**SITE FURNISHINGS DESCRIPTION**
S-102	BENCH - TYPE 2
S-113	WASTE RECEPTACLE

**SEE SCHEDULE SHEET FOR PRODUCT INFORMATION*

SCALE: 1"=20' NORTH

0 10' 20' 40'

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HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:

03/07/2023

SHEET NUMBER AND TITLE:

L310

STREETSCAPE PLAN

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zonning Commission of the City of Rockwall on the ____ day of ____, ____.

WITNESS OUR HAND, this ____ day of ____, ____.

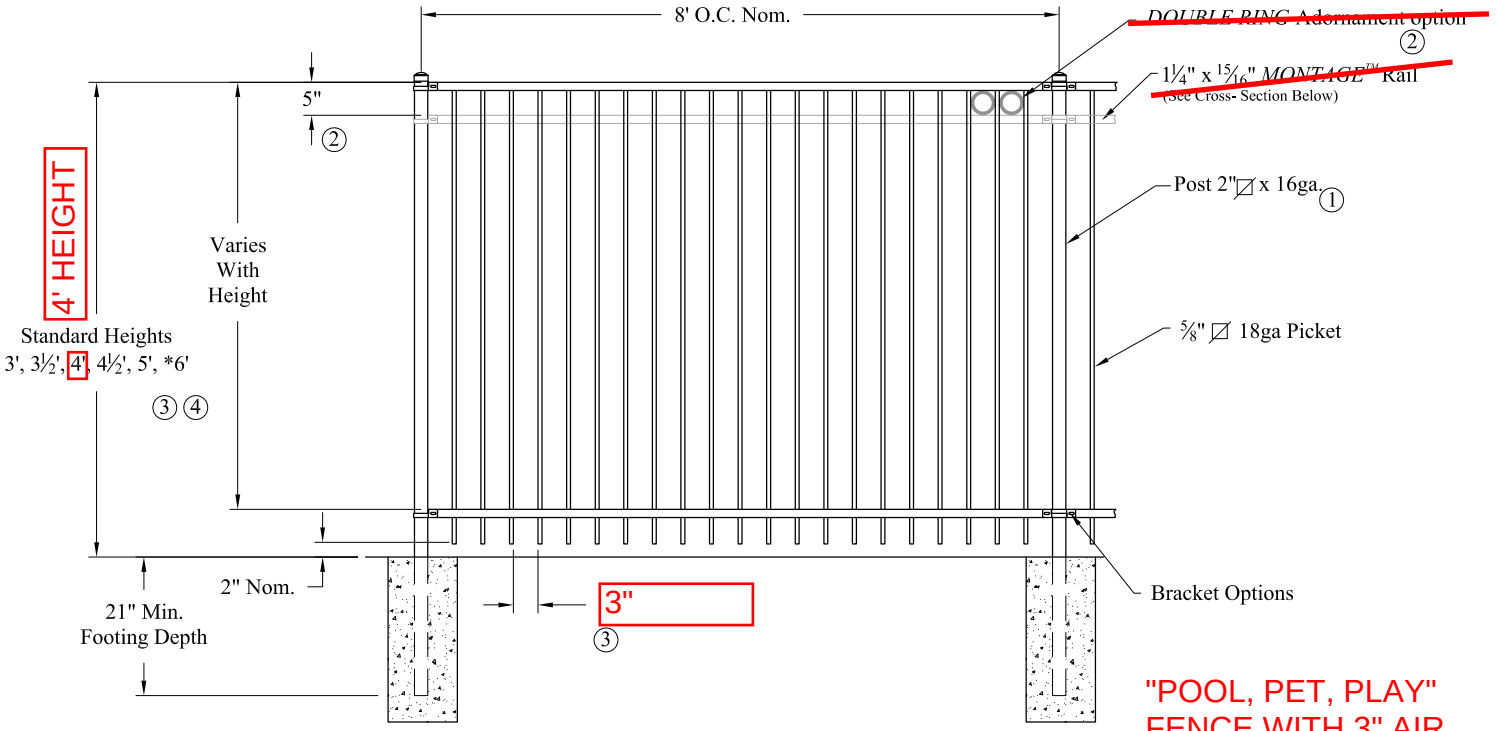
PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

CASE NUMBER:

SP2023-008

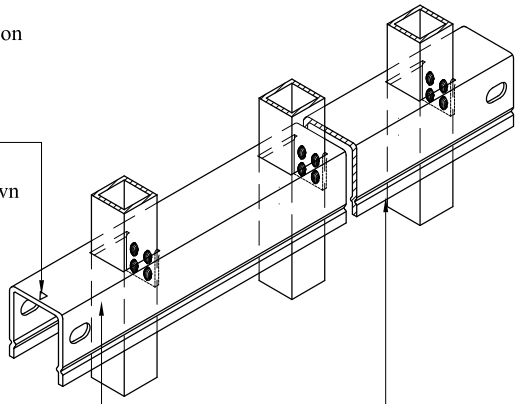
HARBOR RESIDENTIAL
POOL & DOG PARK FENCE SPEC



"POOL, PET, PLAY" FENCE WITH 3" AIR SPACE SPECIFICATION

NOTES:

1.) Post size depends on fence height and wind loads. See *MONTAGE™* specifications for post sizing chart.
2.) Third rail required for *Double Rings*.
3.) Available in 3" air space and/or Flush Bottom on most heights.
4.) Three rails required for 6' tall.

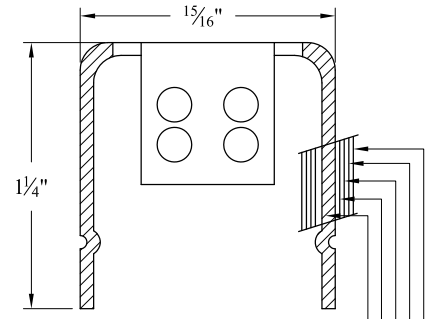


RAKING DIRECTIONAL ARROW
Welded panel can be raked 45" over 8' with arrow pointing down grade.

PROFUSION™ WELDING PROCESS
No exposed welds, Good Neighbor profile - Same appearance on both sides

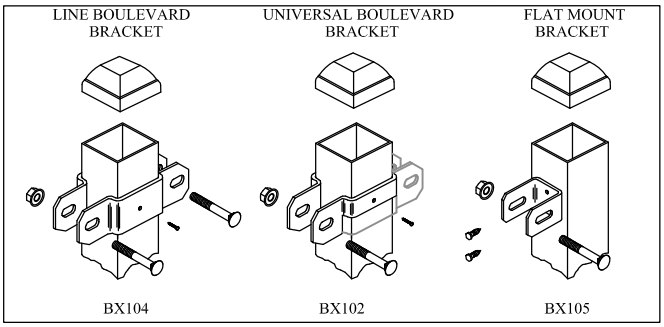
MONTAGE™ RAIL
Specially formed high strength architectural shape.

MONTAGE™ RAIL



E-COAT COATING SYSTEM

- Base Material
- Uniform Zinc Coating (Hot Dip)
- Zinc Phosphate Coating
- Epoxy Primer
- Acrylic Topcoat



RESIDENTIAL WELDED STEEL PANEL
PRE-ASSEMBLED

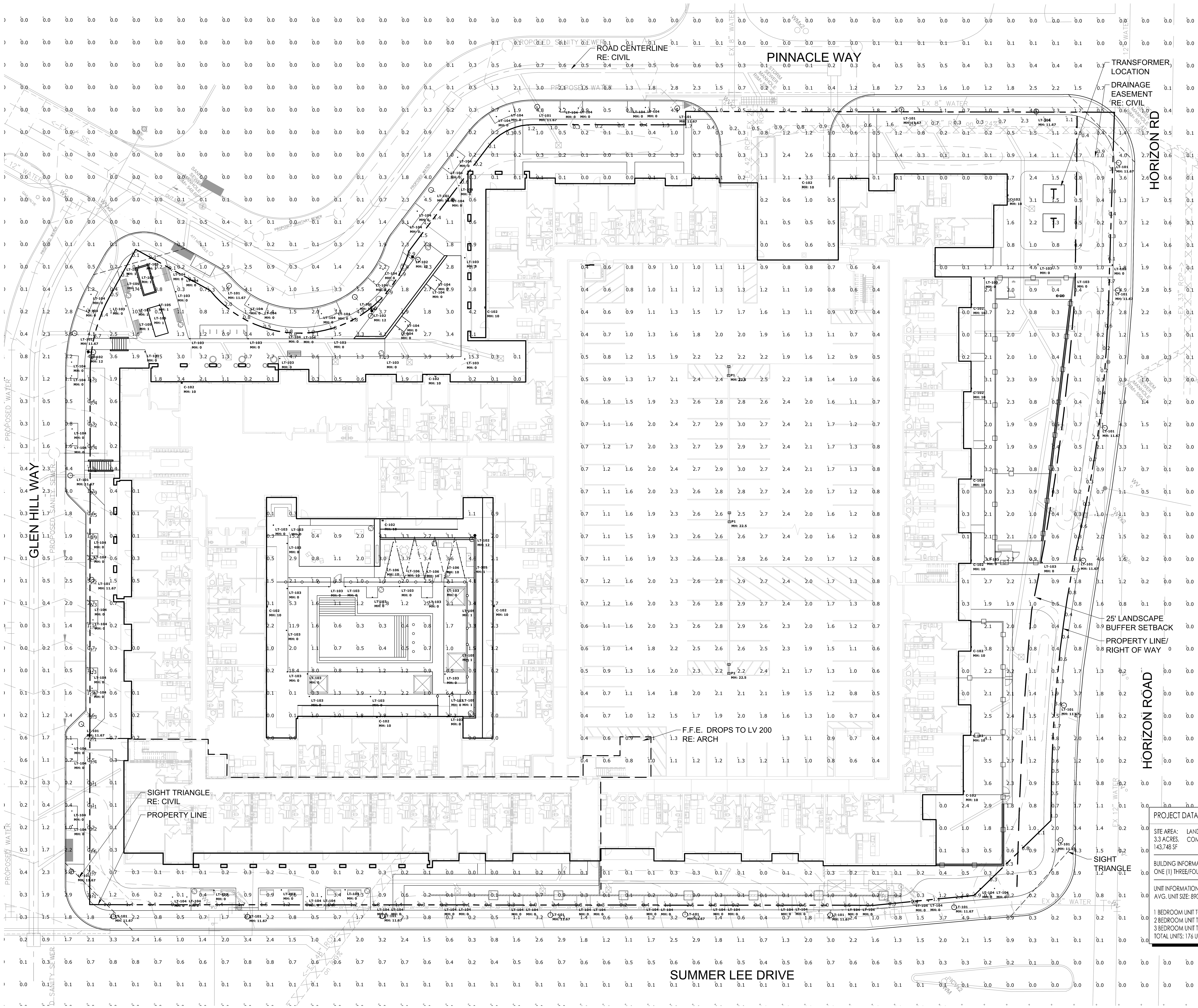
Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

RMISO

Title: **MONTAGE MAJESTIC 2/3-RAIL**

DR: CI	SH . 1of 1	SCALE: DO NOT SCALE	
CK: ME	Date 7-19-11		REV: c

AMERISTAR®
1555 N. Mingo
Tulsa, OK 74116
1-888-333-3422
www.ameristarfence.com



Luminaire Schedule

Symbol	Type
	C-102
	LT-101
	LT-102
	LT-103
	LT-104
	LT-105
	LT-106
	P1

NOTES:

1. STREET LIGHTS TO BE MIN. 5' FROM BACK OF CURB

PROJECT DATA:

*THERE IS NO REQUIRED % OF SITE TO BE OPEN SPACE/IMPERVIOUS FOR PD-032 HARBOR DISTRICT.

SITE AREA: 3.3 ACRES, 143,748 SF
LAND USE: COMMERCIAL
IMPERVIOUS AREA PROVIDED: 2.45 ACRES (75%)
LANDSCAPE AREA PROVIDED: .85 ACRES (25%)

BUILDING INFORMATION: ONE (1) THREE/FOUR STORY BUILDING
SQUARE FOOTAGE: 347,314 GSF - 156,593 NRSF

UNIT INFORMATION:
AVG. UNIT SIZE: 890 SF.

1 BEDROOM UNIT TOTAL: 108
2 BEDROOM UNIT TOTAL: 60
3 BEDROOM UNIT TOTAL: 8
TOTAL UNITS: 176 UNITS

PARKING INFORMATION:
305 PARKING SPACES PROVIDED AT 1.7 SPACES/UNIT

7 ACCESSIBLE PARKING SPACES TO BE PROVIDED DISTRIBUTED THROUGHOUT EACH PARKING LEVEL

1"=20'
0 10' 20' 40'

DESIGN BALANCE, INC.
2701 SUNSET RIDGE DR
SUITE 607H
ROCKWALL, TX 75032
214.668.2306

OWNER:
RIV PROPERTIES, LLC
P.O. BOX 192054
DALLAS, TX 75219
214.908.4684

HARBOR RESIDENCES:

2550 PINNACLE WAY

DATE ISSUED:
03/07/2023

SHEET NUMBER AND TITLE:

L410

LIGHTING & PHOTOMETRICS PLAN

I hereby certify that the above and foregoing sit eplan for a decelopment in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of ____, ____.

WITNESS OUR HAND, this ____ day of ____, ____.

PLANNING AND ZONING CHAIRMAN SIGNATURE:

PLANNING DIRECTOR'S SIGNATURE:

CASE NUMBER:
SP2023-008

D-Series Size 0
LED Area Luminaire

Catalog Number

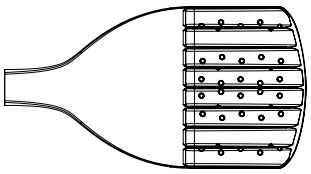
Notes

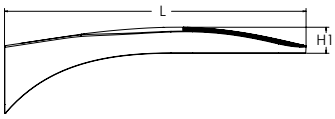
Type

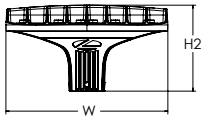
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature [2]	Color Rendering Index [2]	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 **Rotated optics** P10 [1] P12 [1] P11 [1] P13 [1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare [3] T4M Type IV medium T4LG Type IV low glare [3] TFTM Forward throw medium T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control [3] BLC4 Type IV backlight control [3] LCCO Left corner cutoff [3] RCCO Right corner cutoff [3]	MVOLT (120V-277V) [4] HVOLT (347V-480V) [5,6] XVOLT (277V-480V) [7,8]	**Shipped included** SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) [9] RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) [9] SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket [10]

Control options			Other options	Finish *(required)*	
Shipped installed			**Shipped installed**	DDBXD	Dark Bronze
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,18,19]	PER7 Seven-pin receptacle only (controls ordered separate) [14,19]	HS Houseside shield (black finish standard) [20]	DBLXD	Black
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,18,19]	FAO Field adjustable output [15,19]	L90 Left rotated optics [1]	DNAXD	Natural Aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]	BL30 Bi-level switched dimming, 30% [16,19]	R90 Right rotated optics [1]	DWHXD	White
PER5	Five-pin receptacle only (controls ordered separate) [14,19]	BL50 Bi-level switched dimming, 50% [16,19]	CCE Coastal Construction [21]	DDBTXD	Textured dark bronze
		DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]	**Shipped separately**	DBLBXD	Textured black
			EGSR External Glare Shield (reversible, field install required, matches housing finish)	DNATXD	Textured natural aluminum
			BSDB Bird Spikes (field install required)	DWHGXD	Textured white

Ordering Information

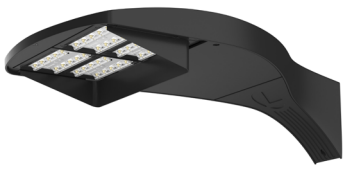
Accessories

Ordered and shipped separately.

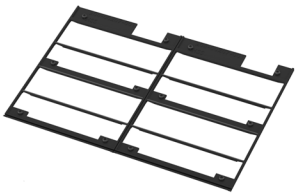
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [22]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [22]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [22]
DSHORT SBK	Shorting cap [22]
DSX0HS P#	House-side shield (enter P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield

NOTES
1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1, P2 or P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT.
13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
19 Reference Controls Options table on page 4.
20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 CCE option not available with option BS and EGS. Contact Technical Support for availability.
22 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories



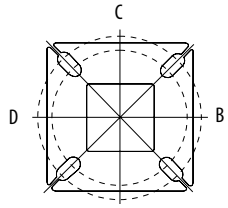
External Glare Shield (EGS)

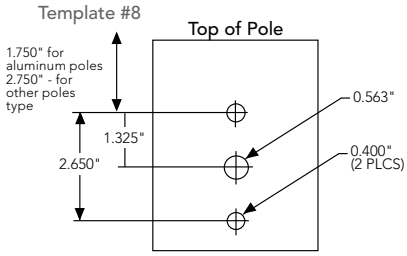


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION
(from top of pole)





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX0 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPA5, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

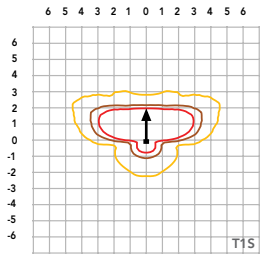
Photometric Diagrams

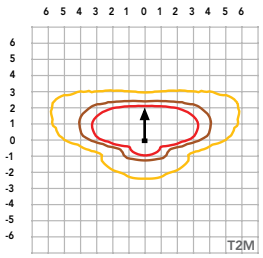
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

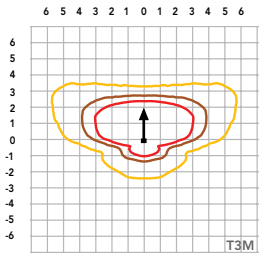
Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').

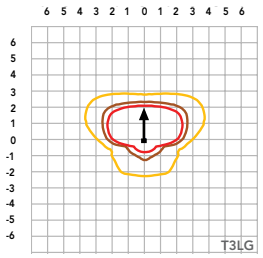
LEGEND

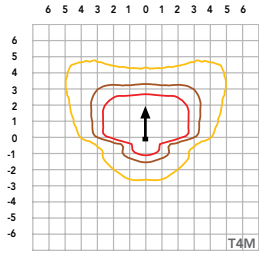
- 0.1 fc
- 0.5 fc
- 1.0 fc

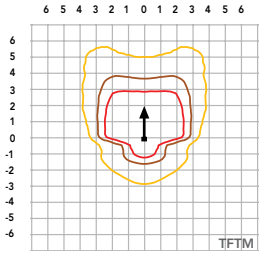


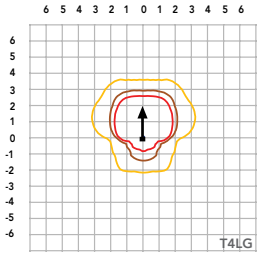


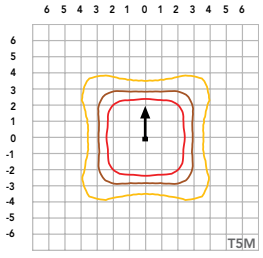


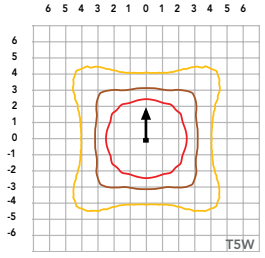


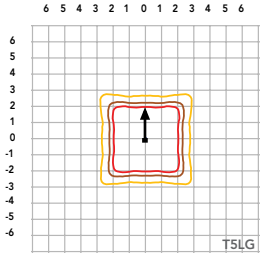


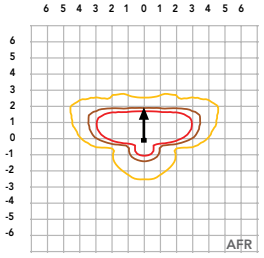


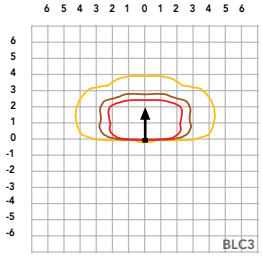


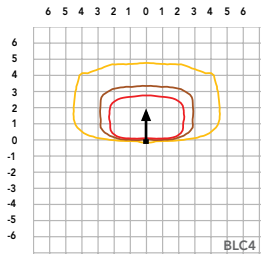


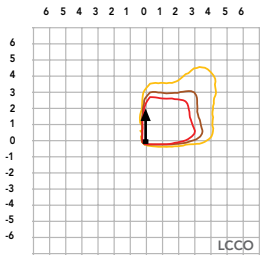


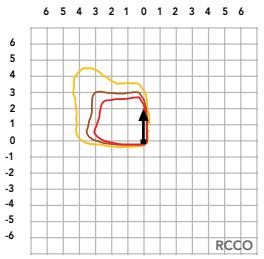












Lumen Ambient Temperature (LAT) Multipliers

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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

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	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

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Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20	530	**P1**	33W	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
20	700	**P2**	45W	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
				T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
				T3M	5,930	1	0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
				T3LG	5,297	1	0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
				T4M	6,018	1	0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
				T4LG	5,474	1	0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
				TFTM	6,060	1	0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
				T5M	6,192	3	0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
				T5W	6,293	3	0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
				T5LG	6,210	2	0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
				BLC3	4,313	0	0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
				BLC4	4,455	0	0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
				RCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				LCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				AFR	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
20	1050	**P3**	69W	T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
				T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
20	1400	**P4**	93W	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
				T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
				T3M	10,680	2	0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
				T3LG	9,540	1	0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
				T4M	10,839	2	0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
				T4LG	9,858	1	0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
				TFTM	10,914	2	0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
				T5M	11,152	4	0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
				T5W	11,332	4	0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
				T5LG	11,184	3	0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
				BLC3	7,768	0	0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
				BLC4	8,023	0	0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
				RCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				LCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				AFR	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130

Performance Data

Lumen Output

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Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	700	**P5**	90W	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
40	1050	**P6**	137W	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
				T2M	16,253	3	0	4	119	16,939	3	0	4	124	17,269	3	0	4	126
				T3M	16,442	2	0	4	120	17,135	3	0	4	125	17,469	3	0	4	128
				T3LG	14,687	2	0	2	107	15,306	2	0	2	112	15,605	2	0	2	114
				T4M	16,687	2	0	4	122	17,391	3	0	5	127	17,730	3	0	5	129
				T4LG	15,177	2	0	2	111	15,817	2	0	2	115	16,125	2	0	2	118
				TFTM	16,802	2	0	4	123	17,511	2	0	4	128	17,852	2	0	5	130
				T5M	17,168	4	0	2	125	17,893	5	0	3	131	18,241	5	0	3	133
				T5W	17,447	5	0	3	127	18,183	5	0	3	133	18,537	5	0	3	135
				T5LG	17,218	4	0	2	126	17,944	4	0	2	131	18,294	4	0	2	134
				BLC3	11,959	0	0	3	87	12,464	0	0	3	91	12,707	0	0	3	93
				BLC4	12,352	0	0	4	90	12,873	0	0	4	94	13,124	0	0	4	96
				RCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				LCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				AFR	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
40	1300	**P7**	171W	T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

Performance Data

Lumen Output

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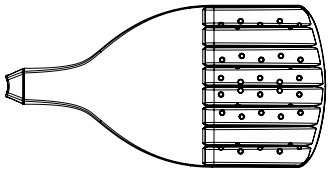
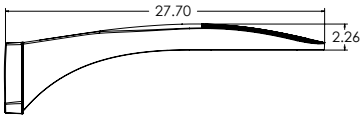
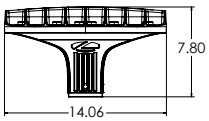
Rotated Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P10**	51W	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
30	700	**P11**	68W	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
				T2M	8,669	3	0	3	127	9,034	3	0	3	133	9,211	3	0	3	135
				T3M	8,768	3	0	3	129	9,138	3	0	3	134	9,316	3	0	3	137
				T3LG	7,833	3	0	3	115	8,164	3	0	3	120	8,323	3	0	3	122
				T4M	8,899	3	0	3	131	9,274	3	0	3	136	9,455	3	0	3	139
				T4LG	8,093	3	0	3	119	8,435	3	0	3	124	8,599	3	0	3	126
				TFTM	8,962	3	0	3	132	9,340	3	0	3	137	9,522	3	0	3	140
				T5M	9,156	4	0	2	135	9,542	4	0	2	140	9,728	4	0	2	143
				T5W	9,304	4	0	2	137	9,696	4	0	2	143	9,885	4	0	2	145
				T5LG	9,182	3	0	1	135	9,569	3	0	1	141	9,756	3	0	1	143
				BLC3	6,378	3	0	3	94	6,647	3	0	3	98	6,777	3	0	3	100
				BLC4	6,587	3	0	3	97	6,865	3	0	3	101	6,999	3	0	3	103
				RCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				LCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				AFR	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
30	1050	**P12**	103W	T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
30	1300	**P13**	129W	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130
				T2M	14,547	4	0	4	113	15,161	4	0	4	118	15,457	4	0	4	120
				T3M	14,714	4	0	4	114	15,335	4	0	4	119	15,634	4	0	4	121
				T3LG	13,145	3	0	3	102	13,700	3	0	3	106	13,967	3	0	3	108
				T4M	14,933	4	0	4	116	15,563	4	0	4	121	15,867	4	0	4	123
				T4LG	13,582	3	0	3	105	14,155	3	0	3	110	14,431	3	0	3	112
				TFTM	15,039	4	0	4	117	15,673	4	0	4	122	15,979	4	0	4	124
				T5M	15,364	4	0	2	119	16,013	4	0	2	124	16,325	4	0	2	127
				T5W	15,613	5	0	3	121	16,272	5	0	3	126	16,589	5	0	3	129
				T5LG	15,409	3	0	2	120	16,059	3	0	2	125	16,372	4	0	2	127
				BLC3	10,703	4	0	4	83	11,155	4	0	4	87	11,372	4	0	4	88
				BLC4	11,054	4	0	4	86	11,520	4	0	4	89	11,745	4	0	4	91
				RCCO	10,800	1	0	2	84	11,256	1	0	2	87	11,475	1	0	3	89
				LCCO	10,800	1	0	2	84	11,255	1	0	2	87	11,475	1	0	3	89
				AFR	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130

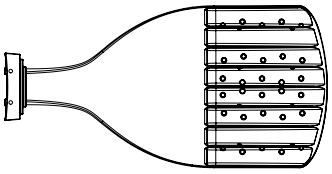
Dimensions

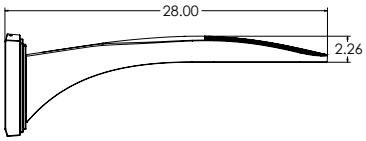


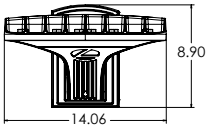




DSX0 with RPA, RPA5, SPA5, SPA8N

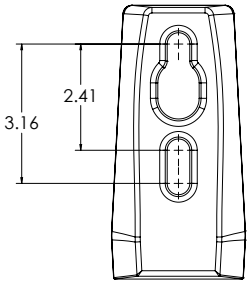




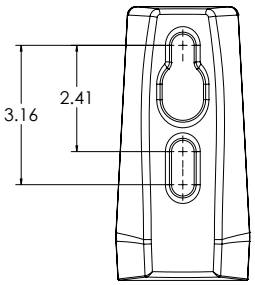


DSX0 with WBA

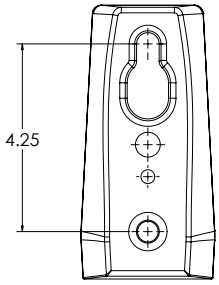
SPA8N



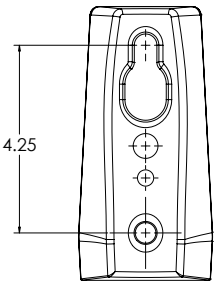
RPA



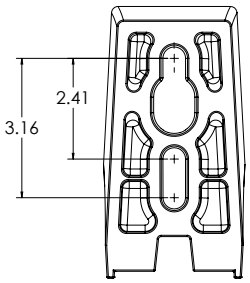
SPA5



RPA5



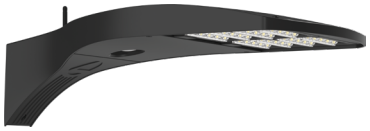
BASE FIXURE

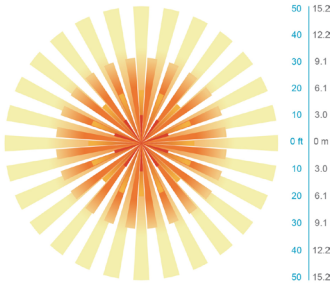


nLight Control - Sensor Coverage and Settings

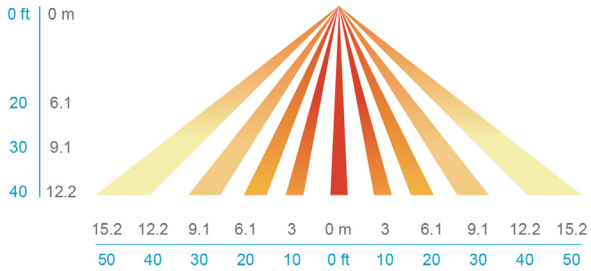
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-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 and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

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

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Scarborough

Product Data Sheet

landscapeforms®

Scarborough is welcoming and comfortable in two versions. The horizontal strap seat is clean and simple. The woven seat suggests the familiar strapping fabric of patio furniture. The patented design is assembled as a warp and weft construction of pre-formed parts. The backless Scarborough bench can be used from either side and is ideal for narrow spaces. Litter receptacles with strap or square bar vertical panels are nicely scaled to the bench and the human form. Scarborough transcends categories. It is remarkably durable not only in the way it wears but in the way it remains current over time.

Bench

- Woven and horizontal strap seat styles may be specified for backed or backless benches.
- Backed benches are offered in 24", 48", 72", or 96" lengths.
- Backless benches are offered in 48", 72", or 96" lengths.
- Center arm may be specified on backed benches in 72" or 96" lengths.
- Bench in 96" length available with two intermediate arms.
- The bench comes standard with a freestanding/surface mount.

	Style	Depth	Width	Height	Product Weight
	96" with two intermedi-ate arms	28"	97"	34"	Strap: 234 lb Weave: 211 lb
	72" with center arm	28"	73"	34"	Strap: 186 lb Weave: 169 lb
	48"	28"	49"	34"	Strap: 132 lb Weave: 126 lb
	24"	28"	22"	34"	Strap: 89 lb Weave: 86 lb
	Backless 96"	26"	97"	28"	Strap: 150 lb Weave: 136 lb
	Backless 72"	26"	73"	28"	Strap: 125 lb Weave: 114 lb
	Backless 48"	26"	49"	28"	Strap: 97 lb Weave: 93 lb

FLINDT BOLLARD

Project name:

Project type:

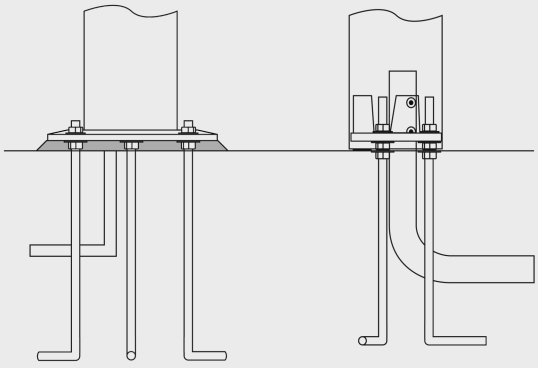
Notes:

Design

Christian Flindt

Product description

Beautifully crafted slender post with a carved surface that is gently illuminated. Top section conceals downward facing LEDs that are positioned for wide distribution. Two horizontal connection lines underline the three parts of the bollard. A facet increases the visibility of the connection lines. Available in two heights, 43.3 IN and 31.5 IN. Available in three different mounting methods: with an 11 inch base plate and visible anchor bolts, with internally hidden anchor bolts, or direct burial in soil or gravel. Part of a family.



Mounting options: Direct burial, outer flange, or hidden anchorage. Flange includes (4) anchor bolts Ø1/2" x 15" long, Galvanized Steel. To be set in concrete pad on Ø11" baseplate with Ø8.9" bolt circle at 90°. Hidden anchorage includes (3) anchor bolts M8 x 14" long, Galvanized Steel, to be set in concrete pad on Ø3.5" bolt circle, not evenly spaced. Fixture head rotates horizontally +/-5°.

Variant options

Dimension	Color	Mounting	Light source	Lumen	Voltage frequency
31.5 IN	Corten color	Post w/anchorage unit	LED 3000K	707	120-277V/60HZ
43.3 IN	Natural paint aluminum	Post w/base plate	LED 4000K	757	
		Post w/direct burial		762	
				784	

Specification notes

a. Direct burial mounting only available with 43.3" size.

Light description

The luminaire provides a non-glaring wide characteristic asymmetrical and functional illumination. The design of the cut-out creates a reflector part which is gradually illuminated to emphasize the depth in the luminaire. The cut-out reflector and precise location of the LED's provides an wing-shaped light pattern on the ground. A white highly reflective material around the LED's ensure a wide distribution of light and high efficacy. The cut-out reflector part can be adjusted ± 10° after installation to fine tune alignment of several luminaires and light distribution. Standard CCT in 3000K or 4000K, controlled by electronic dimmable driver.

Mounting

Top section housing holds driver and LED's connected with quick-disconnect plug for easy servicing. Terminal block is located in the reflector section. Thru wiring approved. Supplied with IP68 (water-tight) glands to seal mid-section for pass thru wiring. Mounted to a concrete base with (4) anchor bolts on a bolt circle of 8.9 inches.

Information

Electrical:
System Wattage: 15W
LED Wattage: 14W
Delivered lumens: 536-591 lm
Efficacy: 35.7-39.4 lm/W
Certifications:
cULus, Wet Location
Protection class IP65
IK class 10
BUG Rating: B0-U2-G1
Controllability: 0-10V Dimming
Min.-Max. Ambient Temp: -40°C to +70°C
Color Rendering: Ra≥80

Other functions

Alternative mounting options include an 11" base plate, a hidden anchor base or for direct burial. LED in 2700K or 3500K. Amber LED available for sea turtle nesting areas. Custom finishes. Custom pole heights. Alternative dimming controls, including wireless systems.

Voltage

120-277V/60HZ

Material

Top and reflector part: Cast aluminum. Post: Extruded aluminum 0. 14" thick. Diffuser: Injection molded U. V. stabilized clear polycarbonate. Internal structure bolts: Galvanized steel 0. 23" thick. Internal rotational plate: Cast aluminum 0. 23" thick. Anchor bolts: Hot-dipped galvanized steel anchor bolts ½"dia. X15". Standard finish are matte, textured surface powder coat with minimum 2 mils thickness in corten color or natural painted aluminum.

Weight

Min: 0 lbs Max: 23.018 lbs

Dimensions

31.5 IN, 43.3 IN

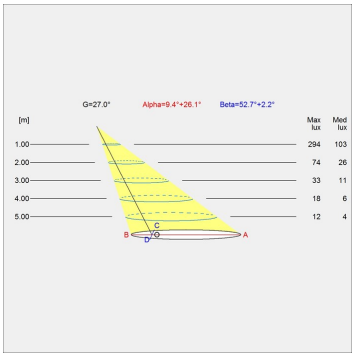
Finish

Corten color, Natural paint aluminum

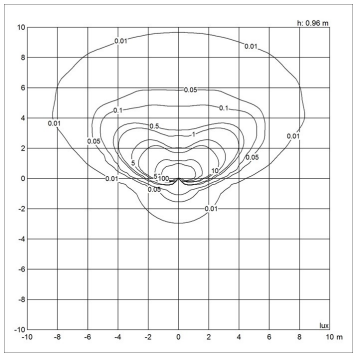
Light distribution diagrams

For the full data set on all variants, see louispoulsen.com.

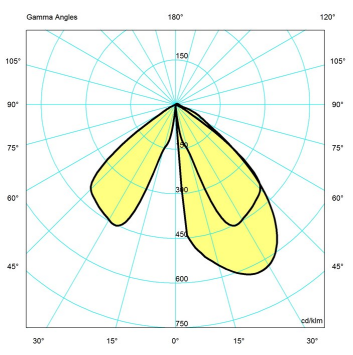
Cartesian



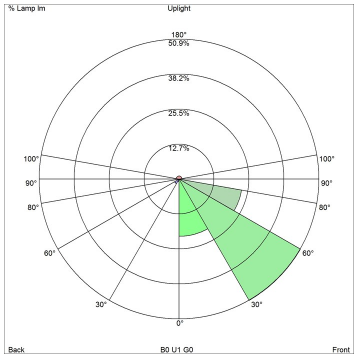
Isolux



Polar



Bug

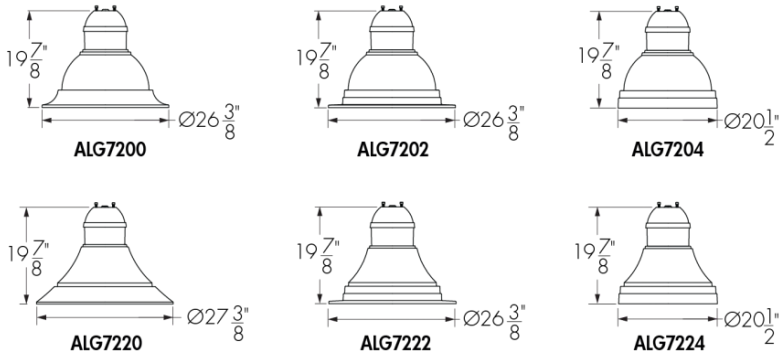


Variant options

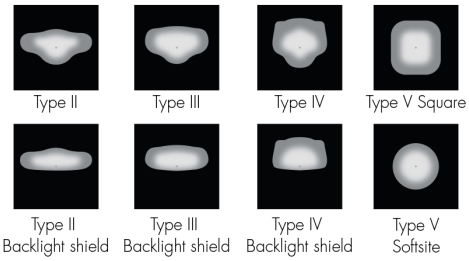
Dimension	Color	Mounting	Light source	Lumen	Voltage frequency	Variant number
31.5 IN	Corten color	Post w/base plate	LED 3000K	707	120-277V/60HZ	10000162742
31.5 IN	Corten color	Post w/anchorage unit	LED 3000K	707	120-277V/60HZ	10000162743
31.5 IN	Natural paint aluminum	Post w/base plate	LED 3000K	762	120-277V/60HZ	10000162746
31.5 IN	Natural paint aluminum	Post w/anchorage unit	LED 3000K	762	120-277V/60HZ	10000162747
31.5 IN	Corten color	Post w/base plate	LED 4000K	757	120-277V/60HZ	10000162760
31.5 IN	Corten color	Post w/anchorage unit	LED 4000K	757	120-277V/60HZ	10000162761
31.5 IN	Natural paint aluminum	Post w/base plate	LED 4000K	784	120-277V/60HZ	10000162762
31.5 IN	Natural paint aluminum	Post w/anchorage unit	LED 4000K	784	120-277V/60HZ	10000162763
43.3 IN	Corten color	Post w/base plate	LED 3000K	707	120-277V/60HZ	10000162764
43.3 IN	Corten color	Post w/direct burial	LED 3000K	707	120-277V/60HZ	10000162765
43.3 IN	Corten color	Post w/anchorage unit	LED 3000K	707	120-277V/60HZ	10000162766
43.3 IN	Natural paint aluminum	Post w/base plate	LED 3000K	762	120-277V/60HZ	10000162767
43.3 IN	Natural paint aluminum	Post w/direct burial	LED 3000K	762	120-277V/60HZ	10000162768
43.3 IN	Natural paint aluminum	Post w/anchorage unit	LED 3000K	762	120-277V/60HZ	10000162769
43.3 IN	Corten color	Post w/direct burial	LED 4000K	757	120-277V/60HZ	10000162771
43.3 IN	Corten color	Post w/anchorage unit	LED 4000K	757	120-277V/60HZ	10000162772
43.3 IN	Corten color	Post w/base plate	LED 4000K	757	120-277V/60HZ	10000162770
43.3 IN	Natural paint aluminum	Post w/base plate	LED 4000K	784	120-277V/60HZ	10000162773
43.3 IN	Natural paint aluminum	Post w/direct burial	LED 4000K	784	120-277V/60HZ	10000162774

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Distributions



Colors and Color Temperatures

Control

ON/OFF 0-10V

Rating

IP66 (optical chamber)

Certifications

Description

The Allegra Medium is a durable, stylish luminaire for urban lighting applications, including pedestrian plazas, residential streets and collector roads. Offering a choice of outputs, color temperatures, and distributions, the Allegra Medium is elegance personified.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type 5 square and Type V Softsite
Options	Corrosion-resistant coating for hostile environments, Surge protector
Mounting Options	Pendant Medium (4-Bolt Tenon Adaptor), Side Internal (2 3/8 in Tenon)
Warranty	5-year limited warranty

Performance

Output (nominal lumens)	Minimum 3000lm / Maximum 17000lm
Color Rendering	3 SDCM for CRI 70+ and 2 SDCM for CRI 80+
Lumen Maintenance	TM-21 L70 527,000 hrs (projected, Ta 77 °F), 36,000 hrs (reported, Ta 77 °F)
Dark Sky	Dark sky compliant (2200K, 2700K and 3000K color temperatures, BUG rating of U0)

Physical

Housing Material	Die cast low copper 360 aluminum alloy
Lens Material	Optical tempered clear glass (Clearsite lens), Optical tempered opal glass (Softsite lens)
Weight	Up to 35 lbs

EPA	Up to 1.13 sq ft
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure), a corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and control

Voltage	120 volts, 208 volts, 240 volts, 277 volts, 347 volts, 480 volts
Control	On/Off control, 0-10V dimming

Environmental

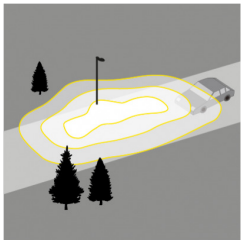
Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output)
Operating Temperature	-40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output)
Ingress Protection Rating	IP66 (optical chamber)
Environment	Dry/damp/wet location

Decorative arms (order separately, consult related specification sheets for details)

Compatible decorative arms	Pendant-Mount Decorative Arm: P4-Pendant Medium (4-Bolt Tenon Adaptor) Luminaire Mounting Option with DT6, CS2, CS4, CS6, CS12, CS13 and MC5 Arm Style., Side-Mount Decorative Arm: SI2-Side Internal (2 3/8 in Tenon) Luminaire Mounting Option with PU2, PU4, PU5, PU8, CS12 and CS13 Arm Style.

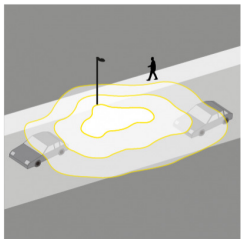
Photometric information

Type II, 4000K, CRI 70+



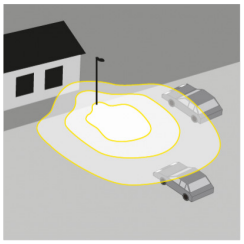
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
S40	3,376	109	1	0	1	31
S60	5,204	95	1	0	1	55
M80	6,892	108	2	0	1	64
M110	9,423	102	2	0	2	92
M150	12,518	95	2	0	2	132
L170	14,023*	96	3*	0*	2*	146

Type III, 4000K, CRI 70+



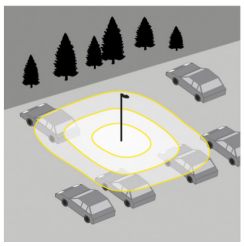
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
S40	3,801	123	1	0	1	31
S60	5,861	107	1	0	1	55
M80	7,761	121	2	0	2	64
M110	10,612	115	2	0	2	92
M150	14,097	107	3	0	2	132
L170	15,792*	108	3*	0*	2*	146

Type IV, 4000K, CRI 70+



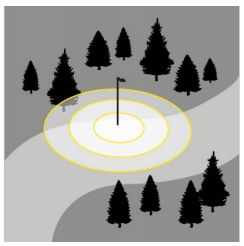
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
S40	3,529	114	1	0	1	31
S60	5,441	99	1	0	1	55
M80	7,205	113	2	0	2	64
M110	9,852	107	2	0	2	92
M150	13,087	99	3	0	3	132
L170	14,662*	100	3*	0*	3*	146

Type V square, 4000K, CRI 70+



Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
S40	3,844	124	2	0	1	31
S60	5,927	108	3	0	1	55
M80	7,849	123	3	0	1	64
M110	10,733	117	3	0	2	92
M150	14,257	108	4	0	2	132
L170	15,980*	110	4*	0*	2*	146

Type V Softsite, 4000K, CRI 70+



Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
L30	2,647	58	1	0	1	46
L50	5,134	53	2	0	1	97
L70	6,979	48	2	0	1	146

*Photometric performance is measured in compliance with IESNA LM-79-08. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.

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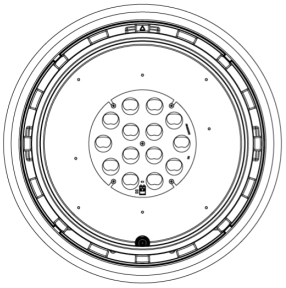
info@lumenpulse.com **www.lumenpulse.com** **www.lumenpulse.com/products/2656**

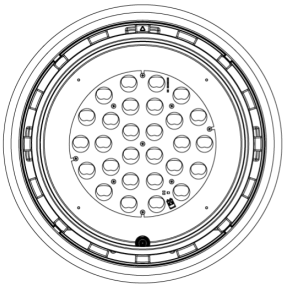
Optical System

LED board size

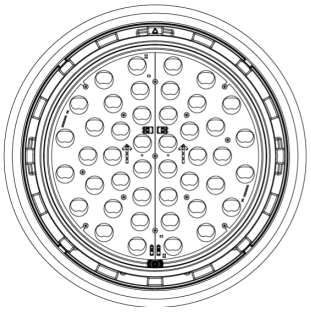
Small (4000lm to 6000lm)



Medium (8000lm to 15000lm)



Large (17000lm)



Type V Softsite is available with large LED board only (3000lm to 7000lm).

Backlight shield*

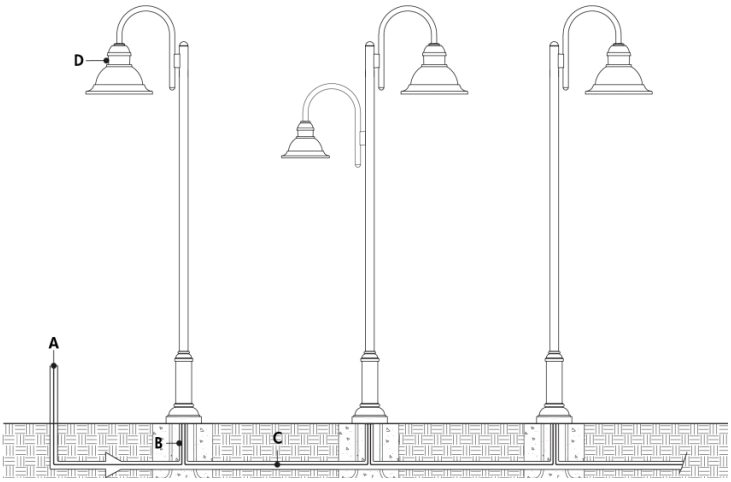
*Small, Medium and Large LED boards size have the same full coverage backlight shield pieces.
*Backlight sheild available with Type II, Type III and Type IV only.
*Backlight shield is factory installed.

Typical wiring diagrams

Wiring color code

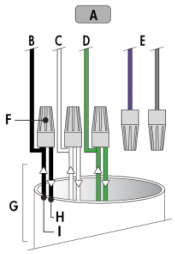
Color	Black	White	Green	Purple	Gray
Use	Line	Line/Neutral	Ground	0 -10V+	0 -10V -

On/Off Control (NO)



A - Power input (120-480V, wiring by others)
B - Conduit (by others)
C - Power wiring (by others)
D - Allegra medium

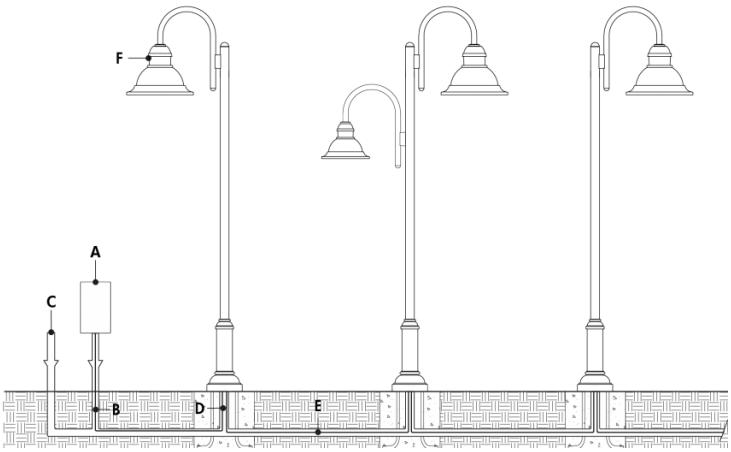
On/Off Control (NO) - wiring detail



A - To fixture
B - Line
C - Line/Neutral
D - Ground
E - Not required
F - Wire-nuts (by others)
G - Conduit (by others)
H - To next fixture
I - Power input or from previous fixture

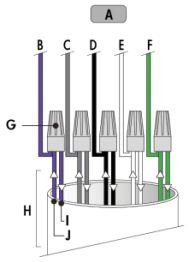
- Consult factory for specific applications and maximum fixture count/cable length recommendations.

0-10V dimming (DIM)



A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Conduit (by others)
E - Power and data wiring (by others)
F - Allegra medium

0-10V dimming (DIM) - wiring detail

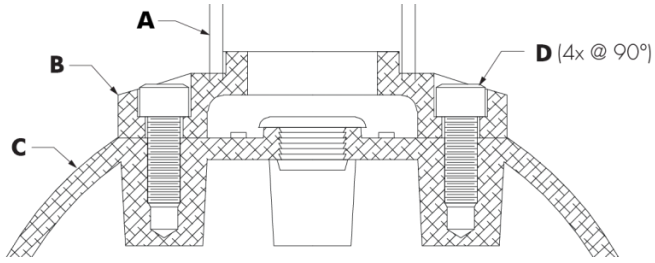


A - To fixture
B - 0-10V +
C - 0-10V -
D - Line
E - Line/Neutral
F - Ground
G - Wire-nuts (by others)
H - Conduit (by others)
I - To next fixture
J - Power input and from third party dimmer or from previous fixture

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

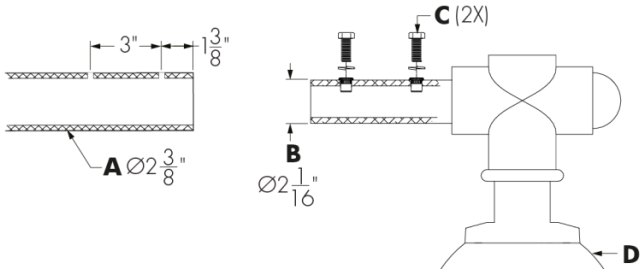
Mounting options

P4 - Pendant Medium (4-Bolt Tenon Adaptor)



A - Decorative Arm
B - 4-Bolt Tenon Adaptor
C - Luminaire
D - (4x) Ø3/8 in x 1 in Bolt (included with luminaire).Ø3 3/4 in Bolt Circle

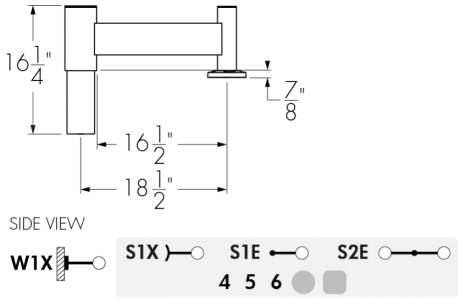
SI2 - Side Internal (2 3/8 in Tenon)



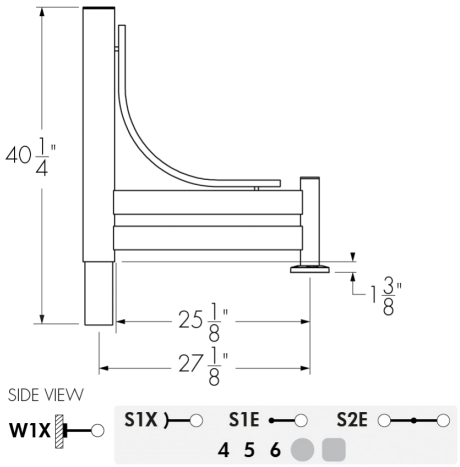
A - Decorative Arm
B - SI2 Tenon Adaptor
C- 3/8-16 Bolt and Lock Washers
D - Luminaire

P4 - Pendant Medium (4-Bolt Tenon Adaptor) Arm Style Dimensions

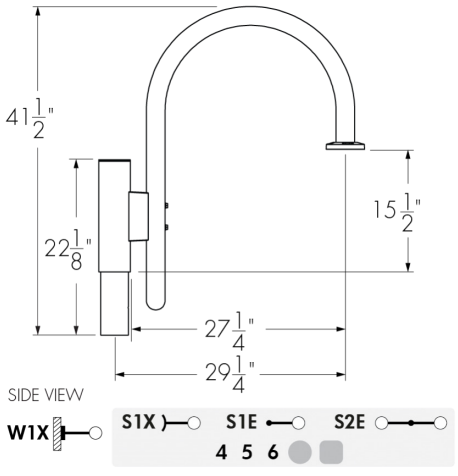
DT6 Arm Style



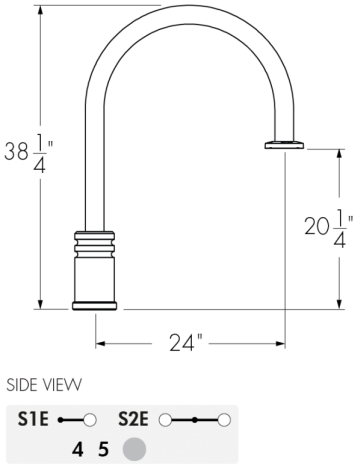
CS2 Arm Style



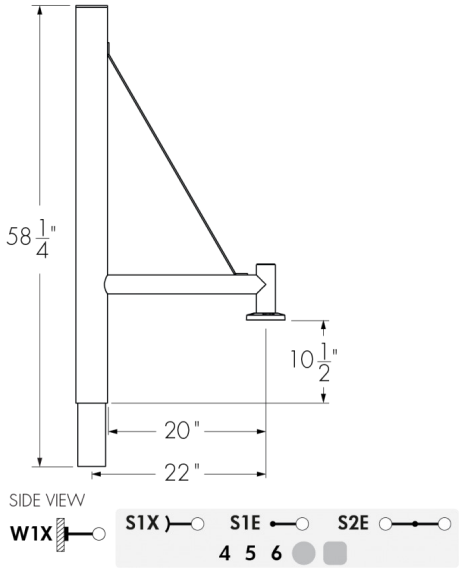
CS4 Arm Style



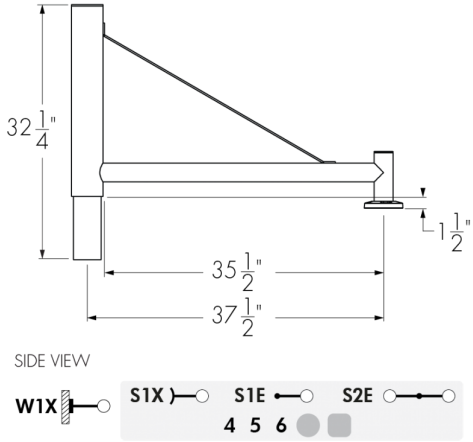
CS6 Arm Style



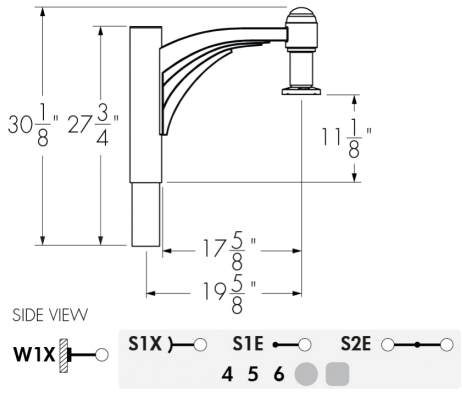
CS12 Arm Style



CS13 Arm Style



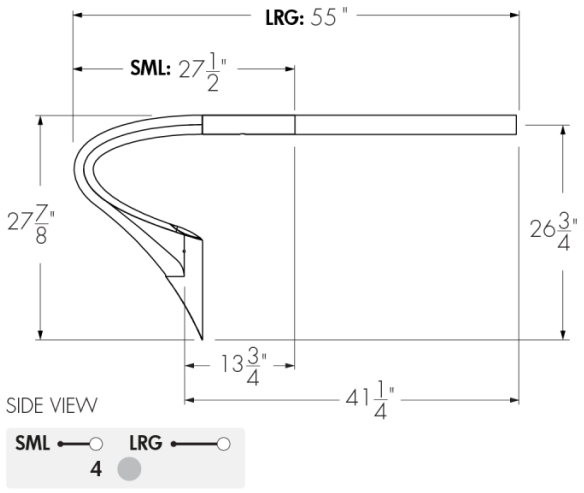
MC5 Arm Style



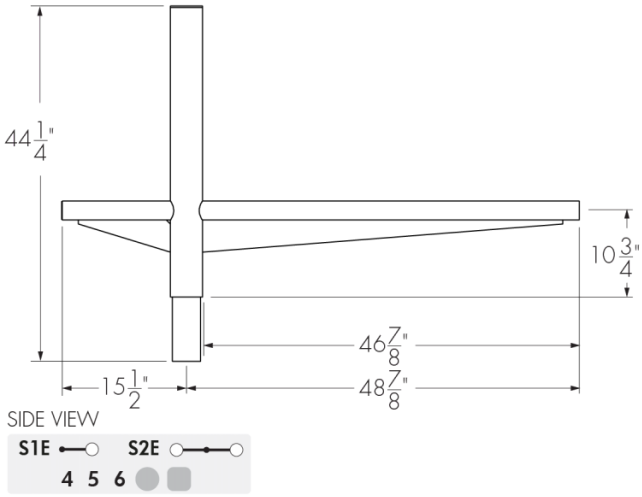
- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

SI2 - Side Internal (2 3/8 in Tenon) Arm Style Dimensions

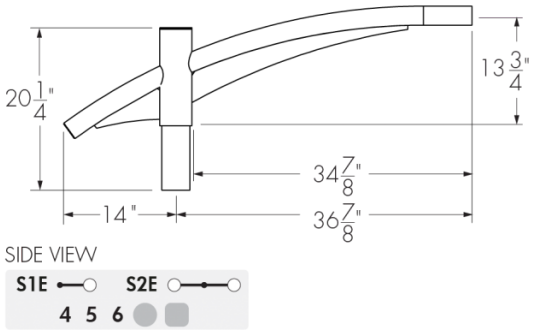
PU2 Arm Style



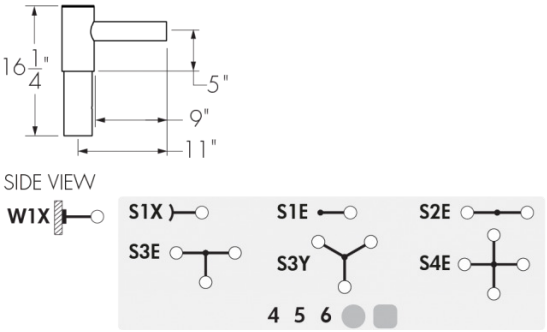
PU4 Arm Style



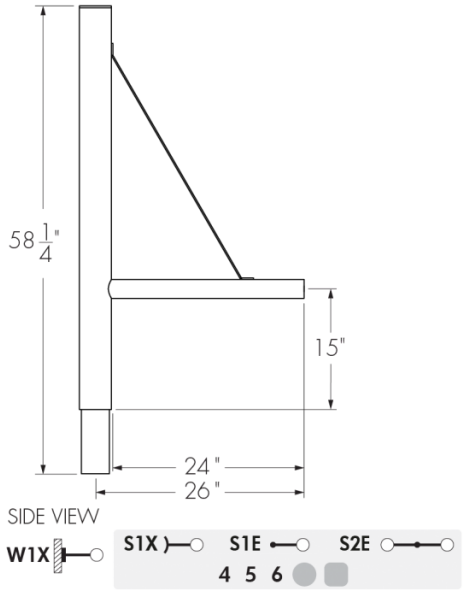
PU5 Arm Style



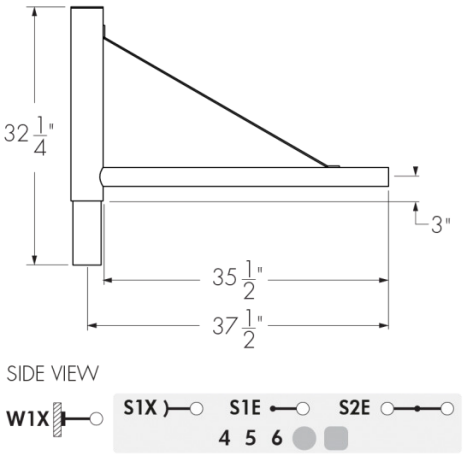
PU8 Arm Style



CS12 Arm Style



CS13 Arm Style



- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

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info@lumenpulse.com **www.lumenpulse.com** **www.lumenpulse.com/products/2656**

How to order

Housing [1]	Voltage	Lens	Output (nominal lumens)	Color and Color Temperature [7]	Color Rendering	Distributions	Finish	Control	Options	Mounting Options
ALG7200 Allegra 7200 **ALG7202** Allegra 7202 **ALG7204** Allegra 7204 **ALG7220** Allegra 7220 **ALG7222** Allegra 7222 **ALG7224** Allegra 7224	**120** 120 volts **208** 208 volts **240** 240 volts **277** 277 volts **347** 347 volts **480** 480 volts	**CSL** Clearsite lens [2] [3] **SSL** Softsite lens [4] [5]	**S40** 4000lm [6] **S60** 6000lm **M80** 8000lm **M110** 11 000lm **M150** 15 000lm **L170** 17 000lm **L30** 3000lm Softsite [5] **L50** 5000lm Softsite [5] **L70** 7000lm Softsite [5]	**22K** 2200K [8] **27K** 2700K [8] **30K** 3000K **35K** 3500K **40K** 4000K **57K** 5700K	**CRI 70** CRI 70+ [9] **CRI 80** CRI 80+ [10]	**2** Type II **2BLS** Type II backlight shield **3** Type III **3BLS** Type III backlight shield **4** Type IV **4BLS** Type IV backlight shield **5S** Type V square **5** Type V Softsite [4]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **BKTX** Textured black **BRZTX** Textured bronze non-metallic **GRATX** Textured medium gray **GRNTX** Textured green **WHTX** Textured white **CC** Custom color & finish [11] [12] [13]	**DIM** 0-10V dimming [14]	**CRC** Corrosion-resistant coating [15] [16] **SP** Surge protector	**P4** Pendant Medium (4-Bolt Tenon Adaptor) **SI2** Side Internal (2 3/8 in Tenon)

Notes:

1. Consult Related Products section on webpage for a selection of compatible decorative arms, decorative poles (sold separately).
2. Available with S40, S60, M80, M110, M150 and L170 output option only.
3. Available with types 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distribution only.
4. Available with L30, L50 and L70 output options only.
5. Available with type 5 distribution only.
6. Available up to 277V.
7. Consult factory for more color temperature options.
8. Available for CRI 80 only.
9. Binning within a 3-step McAdam ellipse, with the exception of 5700K.
10. Binning within a 2-step MacAdam ellipse, with the exception of 2200K and 5700K.
11. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
12. Setup charges apply for RAL colors. Consult factory for details.
13. Longer lead times can be expected for custom RAL color finishes.
14. DIM control can be used as NO (On/off control) if no data is required.
15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
16. Setup charges apply. Consult factory for details.

PRODUCT: QR-COZ3733P

WEIGHT: 279 lbs.
(CUSTOMER TO OFFLOAD IF OVER 6000 Lbs.)

Authorized Signature | Date

By signing above or stamping this drawing "approved" or "no exception taken" authorization is give to QCP to produce this drawing as shown within a 1/4" tolerance.

QUANTITY: ___

CONCRETE COLOR:

- ○ QUAIL HILL RED
- ○ NATURAL
- ○ MISSION WHITE
- ○ LATTE
- ○ HARVEST
- ○ FRENCH GREY
- ○ BUNGALOW
- ○ ADOBE TAUPE
- ○ CUSTOM COLOR

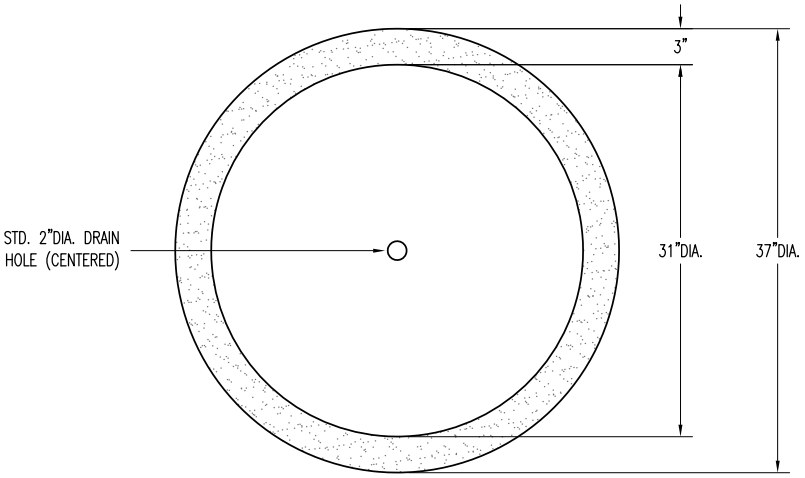
CONCRETE TEXTURE:

- ○ MANO

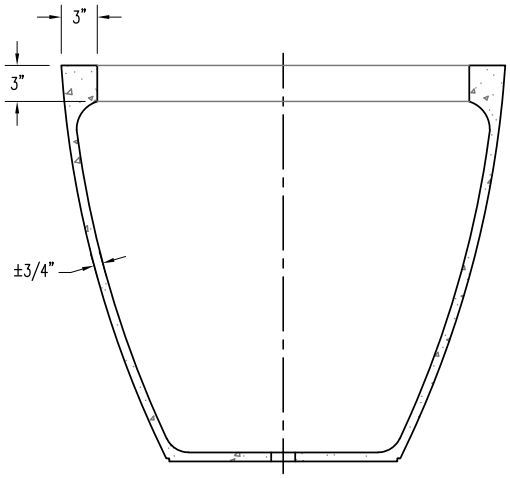
SEALER: STANDARD SEALER

GENERAL PRODUCT NOTES:

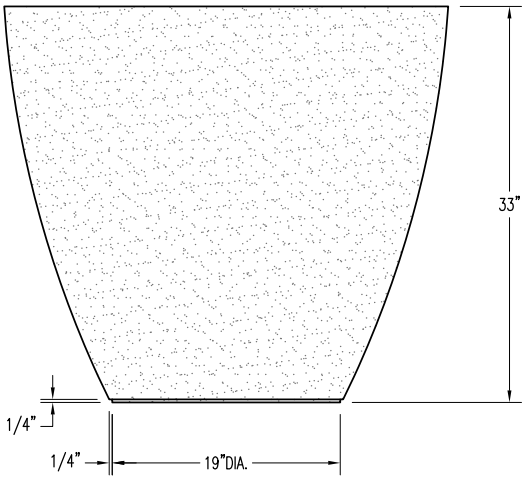
E = EXPOSED FINISHED SURFACE
INSTALLATION IS REQUIRED BY OTHERS.
ALL EDGES TO BE EASED.
MANUFACTURING TOLERANCE ±1/4".
INCLUDE INTERIOR WATER SEALANT
STD. 2"DIA. DRAIN HOLE
LITE CRETE



PLAN VIEW



SECTION VIEW



ELEVATION VIEW

www.qcp-corp.com	PLAN TYPE: CONSTRUCTION PLAN	DATE: 8/8/17	FILE NO.: 309_QR_COZ_3733P	SHEET
	PRODUCT: QR-COZ3733P | TRINIDAD PLANTER | COZUMEL	SCALE: 3/4" = 1'	DRAWN BY: D.R.	OF
	PROJECT NAME	PC. NO.	QC ITEM NO.	

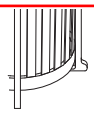
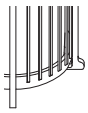
Scarborough

Product Data Sheet




Litter Receptacles

- Scarborough™ receptacles are durably constructed of metal side panels and a spun metal top to meet the demands of active public spaces.
- Choose from vertical strap or square bar side panels.
- Top- or side-opening receptacles may be specified.
- The receptacle lid lifts up and swings to the side for easy litter removal.
- Litter can be specified as a single or dual use receptacle.
  - For single use, select one opening style and signage (optional)
  - For dual use select two opening styles and signage. Dual purpose units come with divider installed in liner.
- An optional keyed lock may be added for security, and an optional ash pan may be specified for the side-opening receptacle.
- The 30-gallon polyethylene liner coordinates with specified powdercoat color.
- Receptacles are standard with a freestanding/surface mount option.
- Metal support legs are 1"x 1" square.
- Vertical metal straps 1-1/2" x 3/16".
- Vertical metal bars are 3/8" square.
- Straps and bars are welded to metal bands.
- Tubular steel collar is 1-1/4" dia., 0.120" wall thickness.
- Tops are formed of spun metal.
- Pop-up rod is stainless steel.

	Style	Diameter	Height	Product Weight
	Top-Opening	25"	33"	Bar: 72 lb Strap: 77 lb
	Side-Opening	25"	41"	Bar: 75 lb Strap: 81 lb
	Strap details	–	–	–
	Square bar details	–	–	–
	Ash pan	–	–	–

Finishes

- Metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading.
- Call for standard color chart.

To Specify

- Bench: Specify backed or backless, bench length, horizontal strap or woven seat style, with or without center/intermediate arm, and powder coat color. Bench comes standard with a freestanding/surface mount.
- Litter receptacle: Select top or side opening, vertical strap or square bar side panel, and powdercoat color. If certain color is specified select standard color for liner (see Materials for offerings). Select single or dual use and optional signage.
  Other optons: keyed lock; ash pan on side-opening units.

Designed by Arno Yurk, AIA, IDSA

Visit our landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level.

TARGETTI

ZEDGE MINI

Professional Small Scale LED Steplight

Concept: Recessed LED steplight for indoor and outdoor applications.
Housing: Small 2.5" x 2.5" faceplate available in 3 emission options (Floor Washer, Louvre, or Bi-Emission Floor Washer + Halo).
Materials: Die-cast anodized aluminum body fitted with a spring fixing system. Powder coated die-cast anodized aluminum external frame. [A]Consult factory for use in marine grade environments.
Source: Low power LED High Efficiency Board.
Optic: Polycarbonate opal screen. Only for Louvre version: optical system composed of a high reflectance anodized aluminum flux regenerator. It is available as three frames for three distinct lighting effects.
Floor Washer: A steplight with uniform optical distribution on the floor and excellent visual comfort.
Louver: High visual comfort with the source entirely hidden from view producing defined light on the floor from two precise louver windows.
Bi-Emission: The floor washer optics combined with an indirect glow where the halo effect becomes a uniformly illuminated marker light with an opal diffuser.
Mounting: To be completed with installation back box. Fixture secured with stainless steel spring system for semi-flush installation only. Recommended mounting height is +18" A.F.F. on 48" center spacing to meet egress requirements of 1fc minumum.
Installation: Pre-cabled with 3' Belden 18ga 2 conductor direct burial cable (no conduit required).
Finish: Textured Standard Finishes – Ferrite Grey / Heritage Brown / Bronze RAL 8019 / White / Black / Sandstone Grey
Power Supply: Remote Class 2, 120V-277VAC power supply required, see remote driver option pages.
Wattage: 4W
Color Temperature: 2700K / 3000K / 3500K / 4000K
CRI: Ra84, Ra90 available upon request
Lumen Maintenance (L80/B10): 56,000hrs tq +25°C
Calculation for LED fixtures are based on measurements that comply with IES LM-80.
Voltage: 24V DC
IK Rating: IK10
IP Rating: IP66
BUG: B0-U1-G0
Certifications: UL Listed Class 2 wet location E479873
Low voltage landscape lighting. Tested in accordance with LM-79-08
Energy efficient for California installations.
Warranty: 5 year limited warranty
Designed in collaboration with Gensler as Product Design Consultant

[A]*Consult factory for use in marine grade environments. Not to be in direct contact with salt for extended periods of time or used with corrosive agents.*

Louver Faceplate Shown in Deep Black Finish

Bi-Emission Faceplate Shown in Ferrite Grey Finish

Floor Wash Faceplate Shown in Sandstone Grey Finish

QUICK SHIP 1 - 2 weeks [A] Marine IP66 c UL us Class 2

Suitable for indoor and outdoor applications

Delivered Lumens: *Values in White Textured Finish*

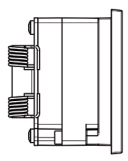
	2700K	3000K	3500K	4000K
Floor Washer =	82Lm	87Lm	90Lm	90Lm
Louver =	37Lm	39Lm	40Lm	40Lm
Bi-Emission =	111Lm	117Lm	120Lm	121Lm

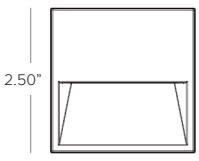
PRODUCT CODE	DRIVER	FACEPLATE	FINISH	WATTAGE	COLOR TEMP	VOLTAGE	+	INSTALLATION	+	POWER SUPPLY
ZES – ZEDGE	**RP** – Remote Power	**FW**– Floor Washer	**FE** – Ferrite Grey	**L1** — 4W	**27** — 2700K	**24** – 24VDC		*See page 2*		*See page 3*
		LV – Louver	**HB** — Heritage Brown		**30** — 3000K					
		BE — Bi-Emission Floor Washer + Halo	**BZ** — Bronze RAL8019		**35** — 3500K					
			WT — White Textured		**40** — 4000K					
			BT — Black Textured							
			SG — Sandstone Grey							

QUICK SHIP 1 - 2 weeks **ZESRPFWFEL13024–QS + 1US3166-B–QS + POWER SUPPLY**

* Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantites of over 20 fixtures to confirm lead time.

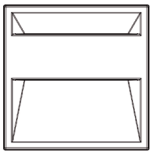
Views





Floor Washer

Louver

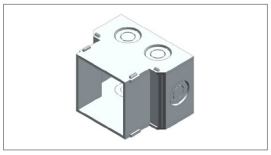


Bi-Emission

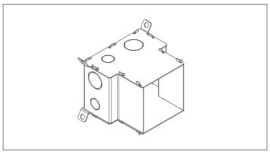
TARGETTI

ZEDGE

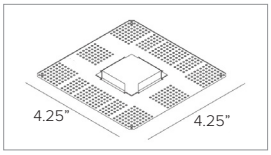
INSTALLATION (REQUIRED) - CHOOSE 1	
1US3166-B	PVC installation back box for semi-fush installations fitted for parallel connection with feed through-wiring, black finish. 1/2” knockout made for low voltage cable (no conduit required, class 2 wiring). Suitable for drywall or stucco applications. Dimensions: 2¾"D x 2¼"H x 3¼"W
1US3166	Stainless steel installation back box for semi-fush installations fitted for parallel connection with feed through-wiring. 3/8” and 1/2” grommet made for low voltage cable (no conduit required, class 2 wiring). Suitable for concrete pour outdoor/harsh environment applications. Dimensions: 2¾"D x 2¼"H x 3¼"W
1USMK01	Mud kit for drywall or stucco. For retrofit or Class 2 installations. Dimensions: 4.25” x 4.25”



1US3166-B

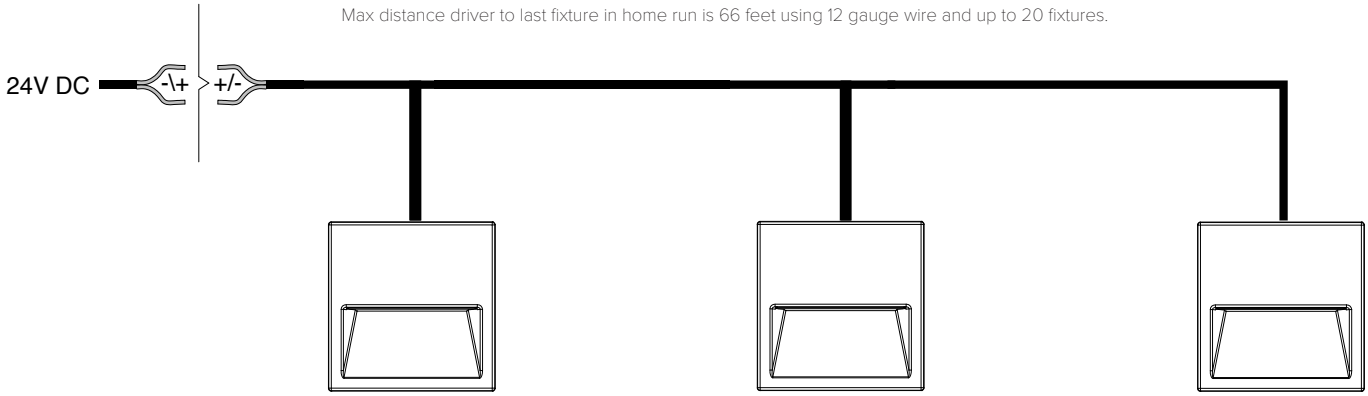


1US3166



1USMK01

Wiring Diagram



Maximum Cable Distances

No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
1-4 Fixtures	≤16W	72ft	115ft	180ft	290ft
5-8 Fixtures	≤32W	42ft	67ft	106ft	165ft
9-12 Fixtures	≤48W	28ft	44ft	70ft	112ft
13-16 Fixtures	≤54W	20ft	33ft	52ft	84ft
17-20 Fixtures	≤80W	16ft	26ft	41ft	66ft
*Voltage drop calculations are based on 3% max drop to last fixture in run for load and distances below					

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DMLE301242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	30W	120-277V / 24V	MLV <5% / ELV <20% / 0-10V <10% / TRIAC <5%	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE601242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	60W	120-277V / 24V	MLV <5% / ELV <20% / 0-10V <10% / TRIAC <5%	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE961242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	96W	120-277V / 24V	MLV <5% / ELV <20% / 0-10V <10% / TRIAC <5%	NEMA3R ENCLOSURE	UL CLASS 2	5.16" X 7.73" X 1.54"
DMLE1922242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	2X96W	120-277V / 24V	MLV <5% / ELV <20% / 0-10V <10% / TRIAC <5%	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DMLE2882242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	3X96W	120-277V / 24V	MLV <5% / ELV <20% / 0-10V <10% / TRIAC <5%	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DEL60PWM	MEANWELL ELECTRONIC STANDALONE PWM DRIVER, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**.	60W	120-277V / 24V	0-10V <10%	IP67	UR CLASS 2	5.9" X 2.09" X 1.38"
DEL90PWM	MEANWELL ELECTRONIC STANDALONE PWM DRIVER, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**.	90W	120-277V / 24V	0-10V <10%	IP67	UR CLASS 2	6.73" X 2.48" X 1.48"
DELX601241CPWM	MEANWELL ELECTRONIC PWM DRIVER.	60W	120-277V / 24V	0-10V <10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DELX901241CPWM	MEANWELL ELECTRONIC PWM DRIVER.	90W	120-277V / 24V	0-10V <10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DELX1802242CPWM	MEANWELL ELECTRONIC PWM DRIVER.	2X90W	120-277V / 24V	0-10V <10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DELX2703243CPWM	MEANWELL ELECTRONIC PWM DRIVER.	3X90W	120-277V / 24V	0-10V <10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
PS060	LUTRON HI-LUME PREMIER 0.1% CONSTANT VOLTAGE DRIVER WITH UL LISTED ENCLOSURE	96W	UNIVERSAL 120-277 VAC	HI-LUME ECOSYSTEM 0.1%	IP20/NOM CERTIFIED	UL CLASS 2	10.5" x 5.5" x 2"[1]

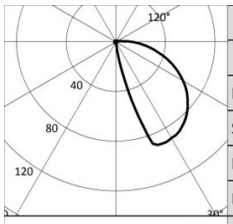
[1] Dimensions include enclosure with mounting bracket.
*** Constant voltage drivers 50/60HZ, voltage regulated with short circuit protection. Operating temperature -40 C- 80° C**
*** Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.**
*** Consult factory for additional driver options (ie: DMX, DALI, wattage, size, shape, Lutron, ELDO, or others).**

Max Fixtures Per Driver

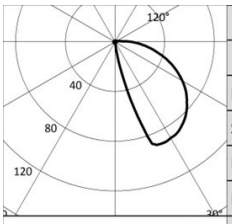
Fixture Wattage	Driver Wattage								
	30W	40W	60W	96W	90W	2X90W	3X90W	192W	288W
4W	6	8	12	20	18	2X18	2X18	2X20	3X20

Photometry

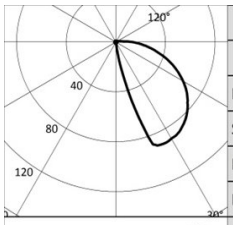
FLOOR WASHER



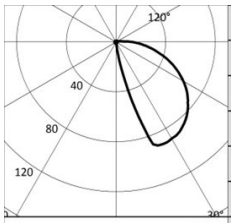
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			56°	94°	
Fixture Power	4W	1	2.59	2.40	44
Source Flux	608lm	2	5.19	4.79	11
Fixture Flux	82lm	3	7.78	7.19	5
Efficacy	21lm/W	4	10.37	9.59	3
TS999 Imax=90cd/klm	Imax 55cd	5	12.96	11.98	2



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			56°	94°	
Fixture Power	4W	1	2.59	2.40	47
Source Flux	645lm	2	5.19	4.79	12
Fixture Flux	87lm	3	7.78	7.19	5
Efficacy	22lm/W	4	10.37	9.59	3
TS999 Imax=90cd/klm	Imax 58cd	5	12.96	11.98	2

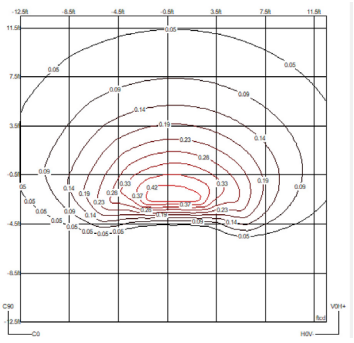


3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			56°	94°	
Fixture Power	4W	1	2.59	2.40	48
Source Flux	662lm	2	5.19	4.79	12
Fixture Flux	90lm	3	7.78	7.19	5
Efficacy	23lm/W	4	10.37	9.59	3
TS999 Imax=90cd/klm	Imax 60cd	5	12.96	11.98	2



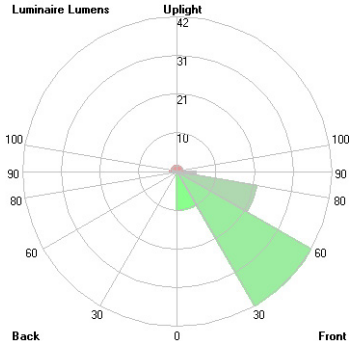
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			56°	94°	
Fixture Power	4W	1	2.59	2.40	48
Source Flux	666lm	2	5.19	4.79	12
Fixture Flux	90lm	3	7.78	7.19	5
Efficacy	23lm/W	4	10.37	9.59	3
TS999 Imax=90cd/klm	Imax 60cd	5	12.96	11.98	2

Isolux Diagram

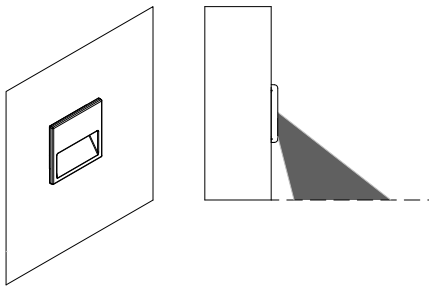


Mounting Height = 18”

LCS Graph

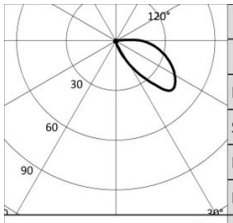


B0-U1-G0

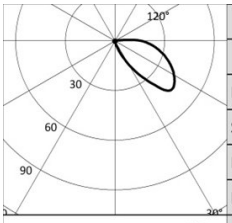


Photometry Cont.

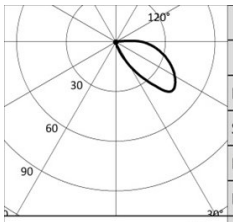
LOUVER



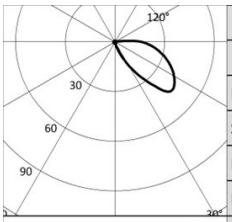
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			49°	103°	
Fixture Power	4W	1	7.97	3.92	9
Source Flux	608lm	2	15.95	7.85	2
Fixture Flux	37lm	3	23.92	11.77	1
Efficacy	9lm/W	4	31.90	15.69	1
TS1001 Imax=45cd/klm	Imax 27cd	5	39.87	19.62	0



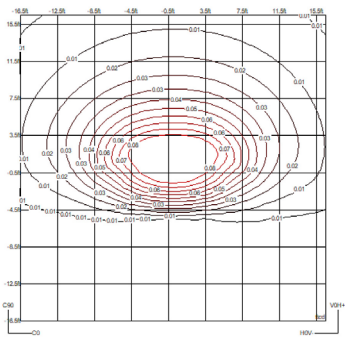
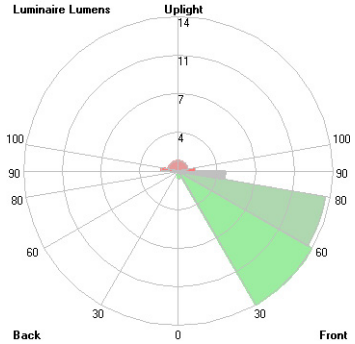
3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			49°	103°	
Fixture Power	4W	1	7.97	3.92	10
Source Flux	645lm	2	15.95	7.85	2
Fixture Flux	39lm	3	23.92	11.77	1
Efficacy	10lm/W	4	31.90	15.69	1
TS1001 Imax=45cd/klm	Imax 29cd	5	39.87	19.62	0

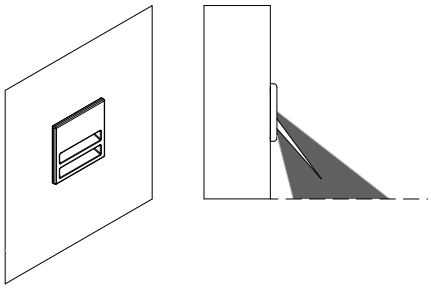


3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			49°	103°	
Fixture Power	4W	1	7.97	3.92	10
Source Flux	662lm	2	15.95	7.85	2
Fixture Flux	40lm	3	23.92	11.77	1
Efficacy	10lm/W	4	31.90	15.69	1
TS1001 Imax=45cd/klm	Imax 30cd	5	39.87	19.62	0



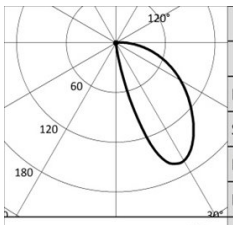
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			49°	103°	
Fixture Power	4W	1	7.97	3.92	10
Source Flux	666lm	2	15.95	7.85	2
Fixture Flux	40lm	3	23.92	11.77	1
Efficacy	10lm/W	4	31.90	15.69	1
TS1001 Imax=45cd/klm	Imax 30cd	5	39.87	19.62	0

Isolux Diagram	LCS Graph
	
Mounting Height = 18”	B0-U1-G0



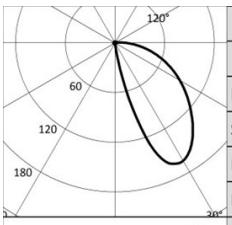
Photometry Cont.

BI-EMISSION FLOOR WASHER + HALO



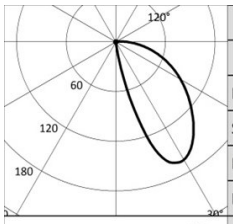
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			48°	79°	
Fixture Power	4W	1	1.69	1.89	74
Source Flux	608lm	2	3.37	3.77	18
Fixture Flux	111lm	3	5.06	5.66	8
Efficacy	28lm/W	4	6.75	7.54	5
Imax	100cd	5	8.43	9.43	3

TS1000 Imax=164cd/klm



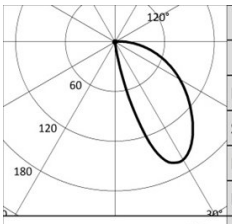
3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			48°	79°	
Fixture Power	4W	1	1.69	1.89	78
Source Flux	645lm	2	3.37	3.77	20
Fixture Flux	117lm	3	5.06	5.66	9
Efficacy	30lm/W	4	6.75	7.54	5
Imax	106cd	5	8.43	9.43	3

TS1000 Imax=164cd/klm



3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			48°	79°	
Fixture Power	4W	1	1.69	1.89	80
Source Flux	662lm	2	3.37	3.77	20
Fixture Flux	120lm	3	5.06	5.66	9
Efficacy	31lm/W	4	6.75	7.54	5
Imax	109cd	5	8.43	9.43	3

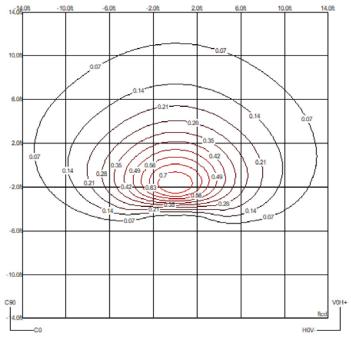
TS1000 Imax=164cd/klm



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra84			48°	79°	
Fixture Power	4W	1	1.69	1.89	81
Source Flux	666lm	2	3.37	3.77	20
Fixture Flux	121lm	3	5.06	5.66	9
Efficacy	30lm/W	4	6.75	7.54	5
Imax	109cd	5	8.43	9.43	3

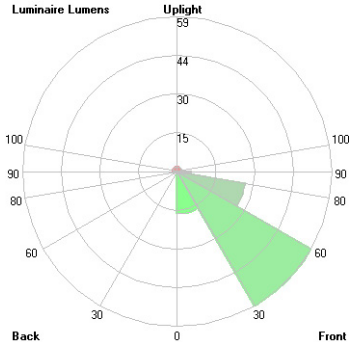
TS1000 Imax=164cd/klm

Isolux Diagram

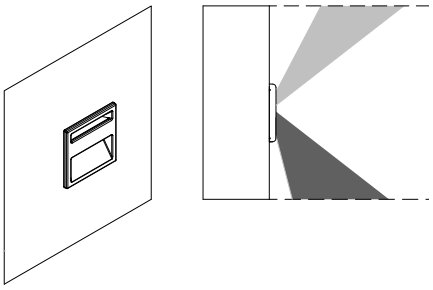


Mounting Height = 18”

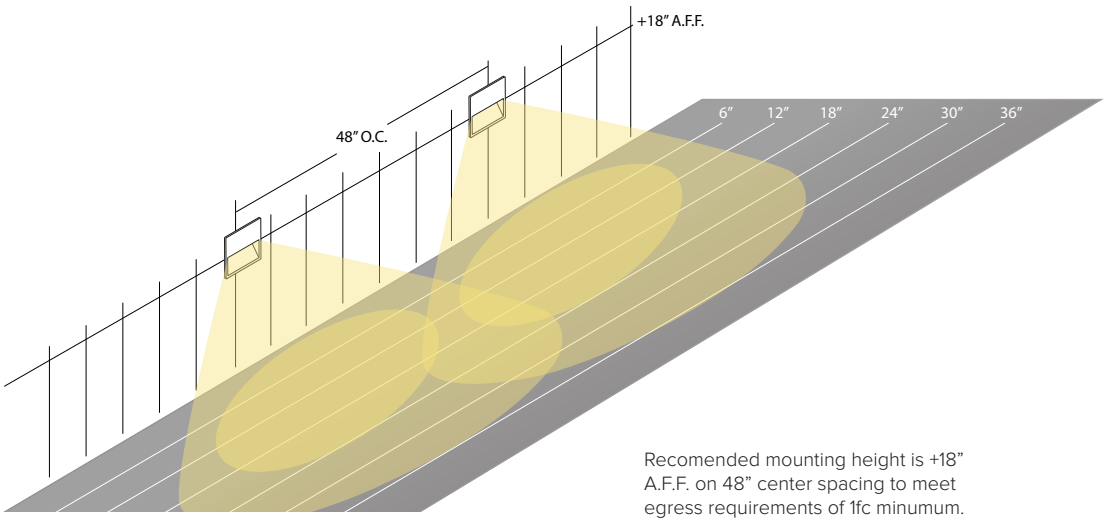
LCS Graph



B0-U1-G0



Suggested Mounting Diagram



Recomended mounting height is +18" A.F.F. on 48" center spacing to meet egress requirements of 1fc minumum.

**Fixture calculated Floor Wash Faceplate using 3000K and Plaster White finish.*

DURA LAMP
a brand of TARGETTI

INTELLISTRAND
CABLE LIGHT

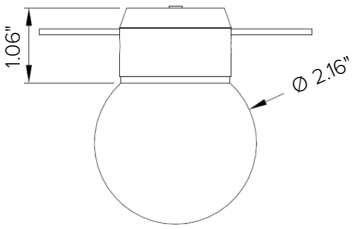
KEY FEATURES

- Low voltage cable light for indoor / outdoor lighting applications, perfect for festoon mounting, taught or swayed.
- 16 gauge conductive cable with factory attached sockets.
- Lamp spacing available in 12” OC and 24” OC.
- Flat base can be easily mounted against a wall or ridged surface.
- Max continuous length: 50’ max per run (12” OC)
  100’ max per run (24” OC)
- Multiple dimming options available, see power supply selections.

IP65

Class 2

DIMENSIONAL DRAWING

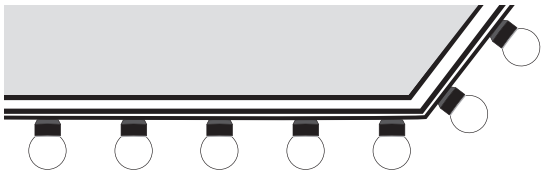


DETAILS

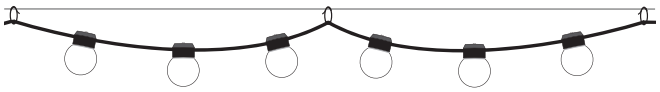
Spacing	12” or 24” OC Socket Spacing
Color Temp	2300K
Wattage	1.5W per socket
Installation	Attach to aircraft cable (sold separately) and to be secured with cable ties (provided by others). Optional cable wrap encases aircraft cable and INTELLISTRAND cable for a clean one wire look, see options available.
Weight	0.25lbs/socket
Power Supply	Listed Class 2 output, 24V DC power supply required
IP Rating	IP65
Certifications	cETLus Class 2 Wet Listed 4007019 Tested in accordance with LM-79-08 Energy efficient for California installations.
Warranty	5 year warranty

INSTALLATION EXAMPLES

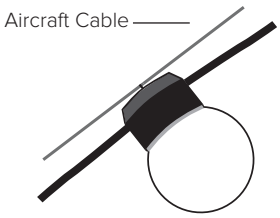
Facade



Swayed



Straight



FIXTURE DATA

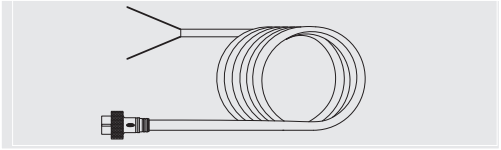
Model	Efficacy* Lm/Wt	Lm/Bulb	Wt/ Globe
2300K	45*	67	1.5

* Meets Title 24 High efficacy rating.

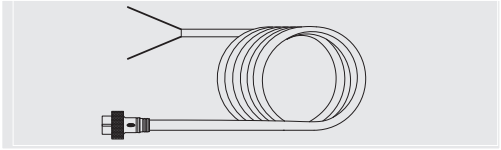
PRODUCT CODE	TYPE	WATTAGE	COLOR TEMP	SOCKET SPACING	VOLTAGE	+	CONNECTION CABLE / END CAP / POWER SUPPLY
IN — INTELLISTRAND	**CL** — Cable Light	**1** — 1.5W	**WW** — 2300K	**12** — 12” OC **24** — 24” OC	**24** — 24V DC		

Fixture is project specific and manufactured to order, longer lead times may be expected based on a project by project basis. Consult factory for more information.

CONNECTION CABLE (REQUIRED, CHOOSE 1)

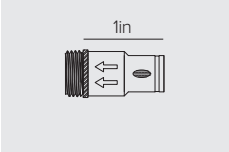


INTEL09
Lead cable 10ft length with 2-pole female connector, black finish.



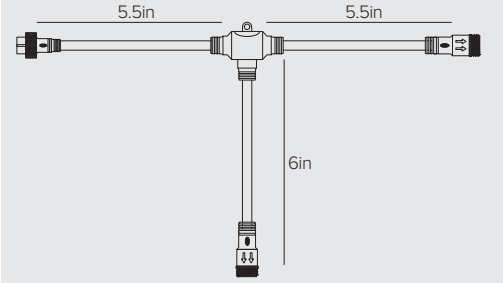
INTEL19
Lead cable 20ft length with 2-pole female connector, black finish.

END CAP (REQUIRED)



INTEL18
End Cap 2-Pole Male Connector, black finish.

CONNECTION CABLE (OPTIONAL)



INTEL109
T-split cable with 1ea 2-pole female connector and 2 each 2-pole male connectors, black finish.

MOUNTING ACCESSORIES (OPTIONAL)

DLDCLAC1/16SS
1/16” inch (diameter) Aircraft cable stainless steel. For use up to 70lbs load, 7 x 7 SS T304 with a minimum break strength at 480lbs.

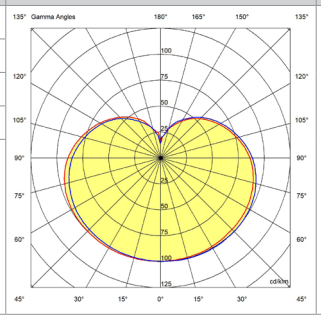
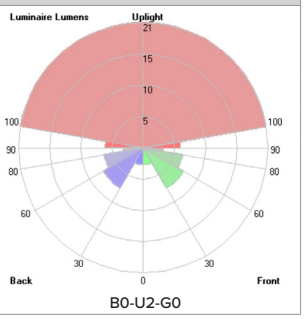
DLDCLAC3/32SS
3/32” inch (diameter) Aircraft cable stainless steel. For use up to 150lbs load, 7 x 7 SS T304 with a minimum break strength at 900lbs.

DLDLSWRAP
1/2” Diameter black spiral cable wrap for use with aircraft cable. To encase aircraft cable and DuraLED Light Cable for a clean 1 wire look, sold per foot. **(1.5ft of Wrap needed to span evenly per 1ft of cable)**

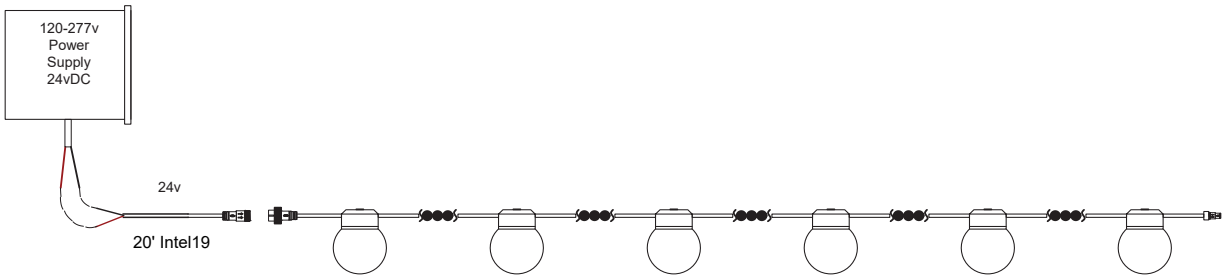
POWER SUPPLY (REQUIRED)

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DMLE301242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	30W	120-277V / 24V	MLV / ELV / 0-10V / TRIAC	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE601242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	60W	120-277V / 24V	MLV / ELV / 0-10V / TRIAC	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE961242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	96W	120-277V / 24V	MLV / ELV / 0-10V / TRIAC	NEMA3R ENCLOSURE	UL CLASS 2	5.16" X 7.73" X 1.54"
DMLE1922242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	2X96W	120-277V / 24V	MLV / ELV / 0-10V / TRIAC	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DMLE2882242UD	EMCOD MLE ELECTRONIC UNIVERSAL DIMMING DRIVER WITH WIRING COMPARTMENT.	3X96W	120-277V / 24V	MLV / ELV / 0-10V / TRIAC	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DEL60PWM	MEANWELL ELECTRONIC STANDALONE PWM DRIVER, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**.	60W	120-277V / 24V	0-10V <10%	IP67	UR CLASS 2	5.9" X 2.09" X 1.38"
DELI601241CPWM	MEANWELL ELECTRONIC PWM DRIVER.	60W	120-277V / 24V	0-10V <10%	NEMA1 ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DEL90PWM	MEANWELL ELECTRONIC STANDALONE PWM DRIVER, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**.	90W	120-277V / 24V	0-10V <10%	IP67	UR CLASS 2	6.73" X 2.48" X 1.48"
DELI901241CPWM	MEANWELL ELECTRONIC PWM DRIVER.	90W	120-277V / 24V	0-10V <10%	NEMA1 ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DELI1802242CPWM	MEANWELL ELECTRONIC PWM DRIVER.	2X90W	120-277V / 24V	0-10V <10%	NEMA1 ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DELI2703243CPWM	MEANWELL ELECTRONIC PWM DRIVER.	3X90W	120-277V / 24V	0-10V <10%	NEMA1 ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]

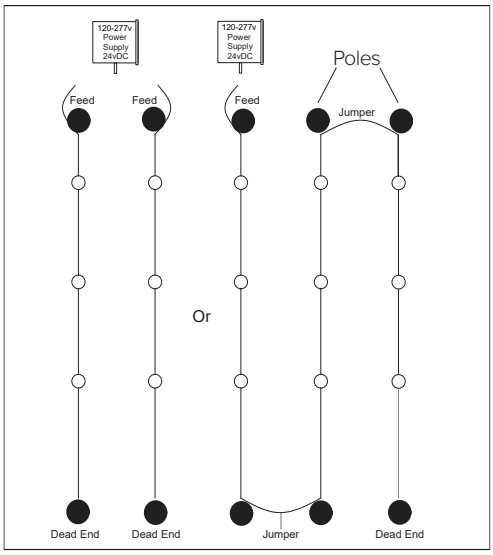
PHOTOMETRY

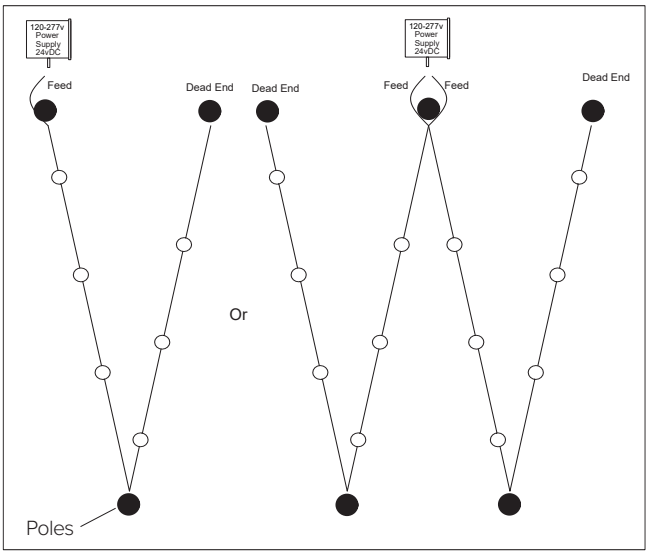
		Polar Graph	LCS Graph
Fixture Power	1.5W		
Fixture Output	67Lm		
Kelvin Temp	2300K		
IMax	6.73cd		
Efficacy	45 Lm/W		

SYSTEM LAYOUT EXAMPLE DIAGRAMS



POSSIBLE CONFIGURATIONS





DATE	PROJECT	FIRM	TYPE

RISE IS A SYSTEM OF BEAUTIFULLY DESIGNED OUTDOOR RATED LUMINAIRES THAT PROVIDE EFFICIENT AND POWERFUL LIGHT USING THE LATEST IN LED TECHNOLOGY. RISE F080 SINGLE IS A POWERFUL AND COMPACT LED LIGHT FIXTURE, DELIVERING UP TO 1170 LUMENS, THAT CAN BE USED IN SPOT, ACCENT, LANDSCAPE AND FLOODLIGHT APPLICATIONS. ITS UNIQUE MACRO™ LOCK FEATURE ALLOWS FOR FULL 180 DEGREE TILT AND 360 DEGREE PAN AIMABILITY USING ONLY ONE TWIST.

FEATURES :

- POWERFUL CBCP
- EXTREMELY COMPACT
- POWERFUL OUTPUT UP TO 1170 LUMENS
- MACRO™ LOCK - 180° TILT AND 360° PAN
- 12 UNIQUE BEAM ANGLES
- MULTIVOLT (110 V-277 V)
- 8 CCTS: 2200K THROUGH 6500K
- 80+ AND 90+ CRI
- DIMMABLE TO 5%
- IP66 RATED

FIXTURE MODEL	FIXTURE CONFIG.	POWER/ LUMEN OUTPUT*	CCT/ COLOR	CRI	BEAM ANGLE	FINISHES	ACCESSORIES	WIRING AND MOUNTING
F080	1S - Single Head	LO - Low Output MO - Medium Output HO - High Output	22 - 2200K 25 - 2500K 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K 65 - 6500K RD - Red GR - Green BL - Blue AM - Amber *2200K and 2500K not available in 40°, 60°, 70° and 90°	8 - 80 9 - 90* X - For RD, GR, BL, AM *90 CRI not available in 2200K, 2500K, 5000K, and 6500K	05 - Laser Spot (5°) 10 - Very Narrow Spot (10°) 15 - Narrow Spot (15°) 20 - Spot (20°) 40 - Flood (40°) 60 - Medium Flood (60°) 70 - Wide Flood (70°) 90 - Very Wide Flood (90°) E1 - Elliptical 1 (15°x60°) E2 - Elliptical 2 (30°x60°) E3 - Elliptical 3 (60°x15°) E4 - Elliptical 4 (60°x30°)	K - Black Z - Bronze S - Silver W - White C - Custom* *Provide RAL #	X - No Accessory H - Half Snoot F - Full Snoot Will ship as X if not specified	A - 19" Flying Leads - Internal Cable IC; Bottom Exit; 1/2" NPT ; UL/CE Listed B* - 10' External Cable Side Exit; Surface Mount ; UL Listed C* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT ; UL Listed D* - 10' External Cable Side Exit; Surface Mount ; CE Listed E* - 10' External Cable Bottom Exit; Surface Mount - 1/2" NPT; CE Listed *Will ship as A if not specified

EXAMPLE: F080-1S-LO-22-8-05-S-X-A

*See Photometry Chart for Lumen Data

PERFORMANCE	WATTS	POWER	LUMEN OUTPUT	OPTIC	EFFICACY	CBCP
	4	Low Output	309	5°	77	22,017
	7.5	Medium Output	531	5°	71	37,812
	11.5	High Output	744	5°	65	52,991

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX 80+, 90+

COLOR CONSISTENCY 3-STEP MACADAM ELLIPSE

LUMEN DEPRECIATION

WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
LOW	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
MEDIUM	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
HIGH	>60,500* >(181,000)**	>36,300*	>60,500* >(69,800)**	>33,200*

* ENERGY STAR REPORTED TESTING HOURS TO DATE. CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

** ESTIMATED HOURS

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/rise for the most updated information.

ECOSENSE®

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LOS ANGELES, CA 90012

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855.6.ECOSEN

DATE	PROJECT	FIRM	TYPE

ELECTRICAL	**WATTAGE**	LOW OUTPUT = 4 W; MEDIUM OUTPUT = 7.5 W; HIGH OUTPUT = 11.5 W
	POWER FACTOR	>0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)
	THD	<0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)
	OPERATING VOLTAGE	MULTIVOLT: 110-277 VAC, 50/60 Hz
	DRIVER	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS
	STARTUP TEMPERATURE	-40 ˚F TO 122 ˚F (-40 ˚C TO 50 ˚C)
	OPERATING TEMPERATURE	-40 ˚F TO 122 ˚F (-40 ˚C TO 50 ˚C)
	STORAGE TEMPERATURE	-40 ˚F TO 176 ˚F (-40 ˚C TO 80 ˚C)
CONTROL	**DIMMING**	110-277 VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE
PHYSICAL	**DIMENSIONS**	W 2.49" x H 8.13" x L 6.97" ; (63.33 mm x 206.45 mm x 177.05 mm)
	HOUSING/LENS	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS
	WEIGHT	1.25 LBS / 0.56 KG
	ENVIRONMENT	OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS
	MOUNTING OPTIONS	A - FLYING LEADS - INTERNAL CABLE IC; BOTTOM EXIT; 1/2" NPT ; UL/ CE RATED B - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; UL LISTED SURFACE MOUNT PLATE INCLUDED C - EXTERNAL CABLE BOTTOM EXIT; 1/2" NPT ; UL LISTED SURFACE MOUNT PLATE INCLUDED D - EXTERNAL CABLE SIDE EXIT; SURFACE MOUNT ; CE LISTED SURFACE MOUNT PLATE INCLUDED E - EXTERNAL CABLE BOTTOM EXIT; SURFACE MOUNT ; CE LISTED SURFACE MOUNT PLATE INCLUDED
	WIRING	LENGTH OF FLYING LEADS 19" (482.6 mm) LENGTH OF EXTERNAL CABLE 10' (3.05 m)
	TOOLS	2.5 mm HEX KEY AND PHILLIPS #0 SCREWDRIVER FOR INTERCHANGEABLE LENS + SNOOTS 4 mm HEX KEY FOR AIMING 5 mm HEX KEY FOR MAIN TILT ARM
	WIND LOAD (EPA)	EFFECTIVE PROJECTED AREA 0.14 ft^2
	CORROSION RESISTANT	RISE HAS A HIGH-PERFORMING, CORROSION-RESISTANT FINISH THAT USES HIGH DURABILITY TRIGLYCIDYL ISOCYANURATE (TGIC) POWDER COATINGS SPECIFICALLY DESIGNED FOR NATATORIUMS AND EXTERIOR WEATHER EXPOSURE. THIS FINISH HAS BEEN TESTED AND APPROVED TO **MARINE GRADE** CORROSION RESISTANCE STANDARD IN UL1598A, ASTM B117 SALT FOG TEST FOR 200 HOURS.
FIXTURE RATING & CERTIFICATIONS	**CE, UL CERTIFIED RoHS COMPLIANT, IK10**	CE · c UL us LISTED · RoHS COMPLIANT · IK10
LIMITED WARRANTY	**5 YEARS**	

0-10V CONTROL OPTIONS

100-120 VAC / 277 VAC Linear Dimming Control Module 0-10 V - Plenum Rated **LDCM-PL-120-277-010V-GR**

All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

OPTIONAL ACCESSORIES

Snoots

Half Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... **F080-H-(K,Z,S,W,C)**

Full Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) ..... **F080-F-(K,Z,S,W,C)**

Interchangeble Lens

If inner optic = 5°,

Desired angle .....order the following spread lens

5 Degree **F080-LENS-05**

10 Degree **F080-LENS-10**

15 Degree **F080-LENS-15**

20 Degree **F080-LENS-20**

40 Degree **F080-LENS-40**

60 Degree **F080-LENS-60**

80 Degree **F080-LENS-80**

15x60 or 60x15 Degree **F080-LENS-E1E3**

30x60 or 60x30 ..... **F080-LENS-E2E4**

Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 80, 15x60 or 60x15, 30x60 or 60x30) **F080-LENS-FULLSET**

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DATE	PROJECT	FIRM	TYPE

If inner optic = 40°,

Desired angle	**Order the following spread lens**
5 Degree	NOT SUPPORTED
10 Degree	NOT SUPPORTED
15 Degree	NOT SUPPORTED
20 Degree	NOT SUPPORTED
40 Degree	F080-LENS-10
60 Degree	F080-LENS-40
70 Degree	F080-LENS-60
90 Degree	F080-LENS-80
15x60 or 60x15 Degree	NOT SUPPORTED
30x60 or 60x30 Degree	NOT SUPPORTED
Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 70, 90, 15X60 or 60X15, 30X60 or 60X30)	F080-LENS-FULLSET

Honeycomb Louver

Honeycomb Louver F080	F080-LV-HComb

Canopy Plate (Not for use with wire Option B - External Cable Side Exit)

RISE Canopy Plate (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	RISE-CANOPY-04-(K,Z,S,W,C)

Color Filters

Red	F080-FILTER-RED
Blue	F080-FILTER-BLUE
Green	F080-FILTER-GREEN
Amber	F080-FILTER-AMBER

F080 Wall Mount Arm (for use only with Wiring Option C – External Cable Bottom Exit and not for use with multi-up fixtures)

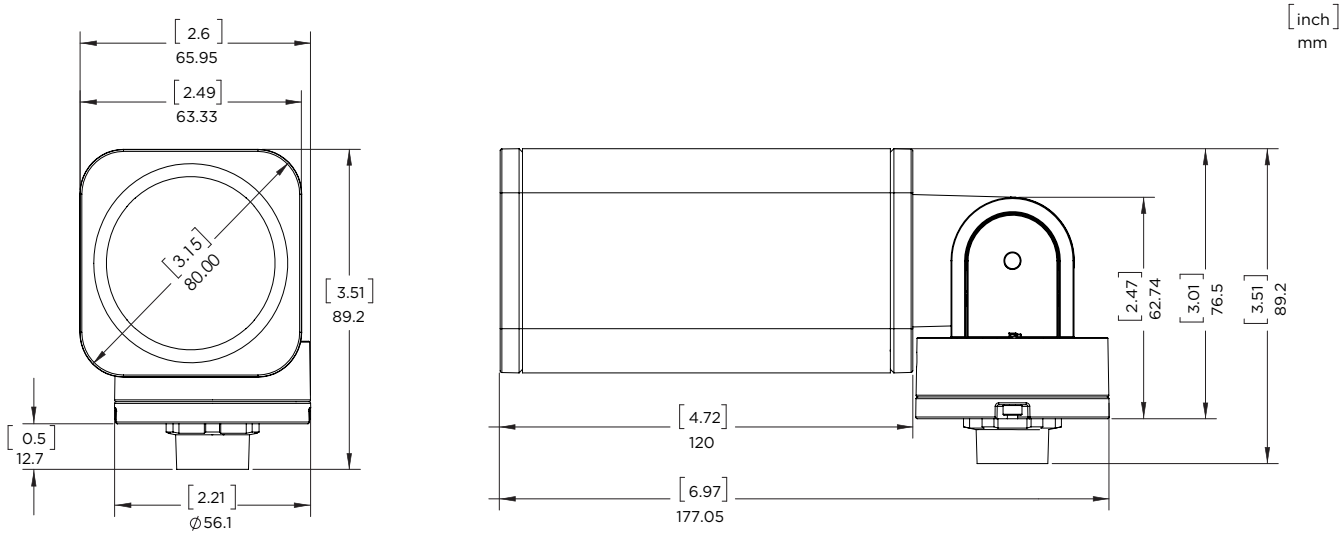
Wall Mount Arm, 6 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-06-(K,Z,S,W,C)
Wall Mount Arm, 12 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-12-(K,Z,S,W,C)
Wall Mount Arm, 18 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-18-(K,Z,S,W,C)
Wall Mount Arm, 24 inch, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom)	F080-WMA-24-(K,Z,S,W,C)

Ground Stake (for use only with Wiring Option C – External Cable Bottom Exit and not for use with multi-up fixtures)

Landscape Stake, 12 in (for use with F080 Single Head only, not for use with multi-fixture units)	F080-LS-1S-STK-12

DIMENSIONS

[inch]
mm



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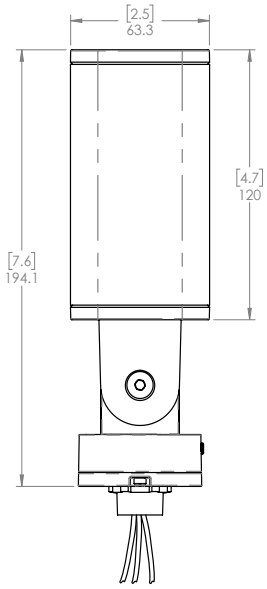
WIRING GUIDE

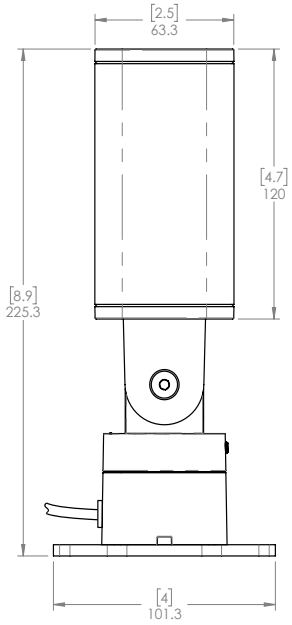
RISE is and exterior rated (IP66) fixture that is available in three different wiring options:

Flying Leads - Internal Cable
(UL Listed or CE Listed)



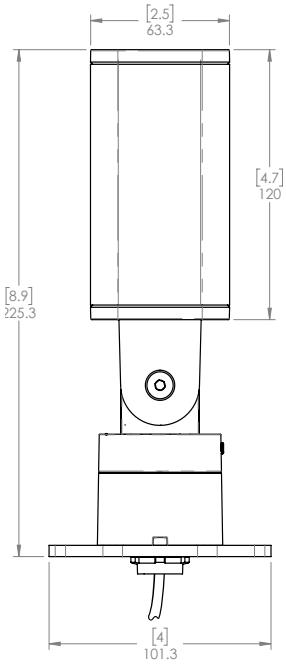
- For use with standard junction boxes
- 1/2” NPT Taper, Cable Length is 19”
- Compatible with EcoSense Canopy junction Box Cover
- 18 AWG Stranded Copper Cable - 3 Conductors

External Cable Side Exit
(UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the side of the base
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10’ (3.05 m)

External Cable Bottom Exit
(UL Listed or CE Listed)



- For use when external, exterior rated cable is required to run to remote junction box or mains
- Cable exits the bottom for use with various accessories such as Wall Mount Arm and Ground Stake
- 1/2” NPT taper for mounting
- Comes with a Surface Mount Plate, for mounting direct to surface
- Cable Length is 10’ (3.05 m)

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/rise for the most updated information.

ECOSENSE®

ECOSENSE LIGHTING INC.
837 NORTH SPRING STREET
SUITE 103
LOS ANGELES, CA 90012

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855.6.ECOSEN

WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

Catalog Number

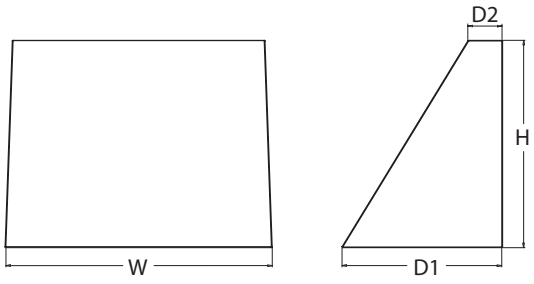
Notes

Type

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

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: (without options) 13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	T1S Type I Short	MVOLT	**Shipped included**
	P1[2]	30K 3000K	80CRI	T2M Type II Medium	347[5]	SRM Surface mounting bracket
	P2[2]	40K 4000K	LW[3] Limited Wavelength	T3M Type III Medium	480[5]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[6]
	P3[2]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[2]	AMB[3] Amber		TFTM Forward Throw Medium		AWS 3/8inch Architectural wall spacer
						PBBW S urface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options

E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE[7]	Photocell, Button Type
DMG[8]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
BAA	Buy America(n) Act Compliant

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls

NLTAIR2 PIR	nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH	nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.

See page 4 for out of box functionality

Finish

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

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Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

1 P0 option not available with sensors/controls.
2 P1-P4 not available with AMB and LW.
3 AMB and LW always go together.
4 70CRI only available with T3M and T4M.
5 347V and 480V not available with E10WH or E20WC.
6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
7 PE not available in 480V or with sensors/controls.
8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

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

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

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	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

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	1.0	>0.96	>0.93	>0.87

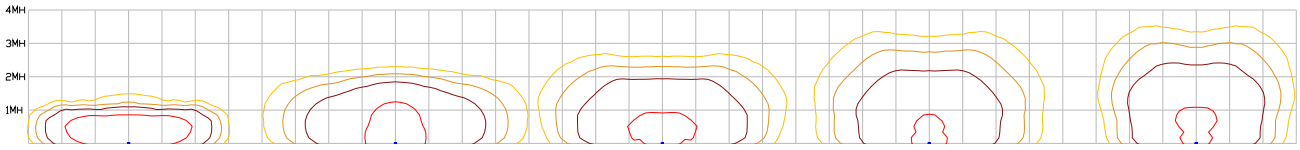
Photometric Diagrams

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

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



"P3 40K 80CRI T1S" "P3 40K 80CRI T2M" "P3 40K 80CRI T3M" "P3 40K 80CRI T4M" "P3 40K 80CRI TFTM"

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

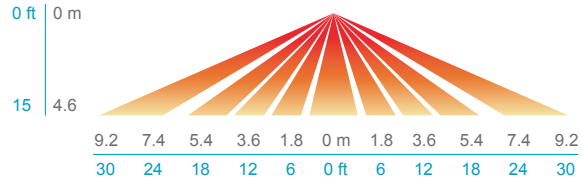
Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

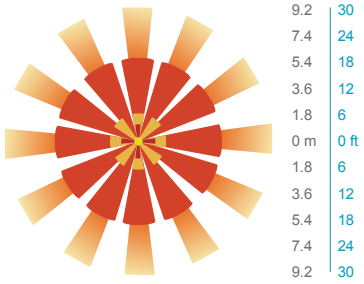
Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR

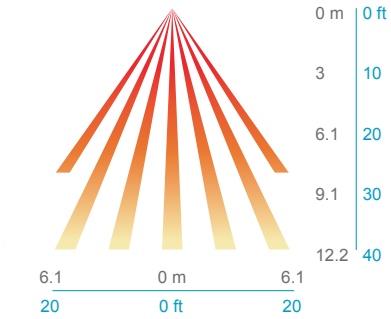
HIGH VIEW



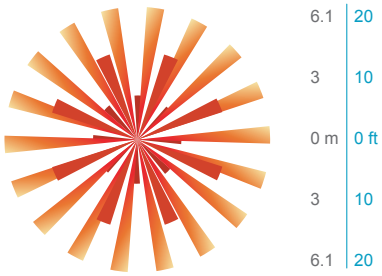


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories

Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted 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 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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.

CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION CASE MEMO

PLANNING AND ZONING DEPARTMENT
385 S. GOLIAD STREET • ROCKWALL, TX 75087
PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO:	Planning and Zoning Commission
DATE:	March 14, 2023
APPLICANT:	T. J. McDonald; *Halff and Associates*
CASE NUMBER:	SP2023-009; *Amended Site Plan for SPR Packaging*

SUMMARY

Discuss and consider a request by T. J. McDonald of Halff and Associations on behalf of Carolina Molina of Alvaplast US Development, LLC for the approval of an *Amended Site Plan* for a *warehouse/manufacturing facility* on a 42.6034-acre parcel of land identified as a portion of Lot 2, Block 1, Indalloy Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District, addressed as 501 Industrial Boulevard, and take any action necessary.

BACKGROUND

The west portion on the subject property was annexed into the City of Rockwall on February 6, 1961 [*Case No. A1960-001*] by *Ordinance No. 60-01*. At the time of annexation, the west portion of the subject property was zoned Agricultural (AG) District. According to the January 3, 1972 historic zoning map, at some point between the time of annexation and January 3, 1972 the west portion of the subject property was rezoned from Agricultural (AG) District to Light Industrial (LI) District. The remainder of the subject property was annexed into the City of Rockwall on February 7, 1983 [*Case No. A1983-001*] by *Ordinance No. 83-06*. At the time of annexation, the remainder of the subject property was zoned Agricultural (AG) District. According to the May 16, 1983 historic zoning map, at some point between the time of annexation and May 16, 1983 the remainder of the subject property was rezone from Agricultural (AG) District to Light Industrial (LI) District. On March 12, 2019, the Planning and Zoning Commission approved a site plan [*Case No. SP2019-004*] to allow the construction of a *warehouse/manufacturing facility*. On August 5, 2019, the City Council approved a replat [*Case No. P2019-028*] that establish the subject property as Lot 2, Block 1, Indalloy Addition. Since the approval of the site plan the *warehouse/manufacturing facility* has been constructed. In addition to this structure the Rockwall County Appraisal District (RCAD) indicates there are four (4) storage buildings that were constructed in 1976, and two (2) other industrial buildings that were constructed in 1976 and 1978 located on the subject property.

PURPOSE

On February 17, 2023, the applicant -- *T. J. McDonald of Halff and Associates* -- submitted an application requesting the approval of a *Site Plan* for the purpose of expanding the existing *Warehouse/Manufacturing Facility* on the subject property.

ADJACENT LAND USES AND ACCESS

The subject property is located at 501 Industrial Boulevard. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is the intersection of Airport Road, which is classified as a M4U (*i.e. major collector, four [4] lane, undivided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this are three (3) tracts of land, two (2) that are vacant (*i.e. Tracts 4-3 & 4-4, of the N. Butler Survey, Abstract No. 20*) and one (1) that is developed (*i.e. Tracts 4, of the N. Butler Survey, Abstract No. 20*) with a single-family home. Following this is a vacant 31.393-acre tract of land (*i.e. Tract 3, of the N. Butler Survey, Abstract No. 20*).

South: Directly south of the subject property is a 100-foot right-of-way owned by the *Union Pacific/Dallas Garland NE Railroad*. Beyond this is a 10.1893-acre parcel of land (*i.e. Lot 3, Block A, SPR Packaging Addition*) developed

with *warehouse/manufacturing facility*. Following this is Justin Road, which is classified as a M4D (*i.e. major collector, four [4] lane, divided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

East: Directly east of the subject property is Industrial Boulevard, which is classified as a M4U (*i.e. major collector, four [4] lane, undivided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is a 20.0-acre parcel of land (*i.e. Lot 2 of the Rockwall Service Center and Park*) developed with a *sports complex* (*i.e. Leon Tuttle Athletic Complex*).

West: Directly west of the subject property are Phase 2 & 3 of the Park Place residential subdivision, which is zoned Planned Development District 59 (PD-59) for Single Family 7 (SF-7) District land uses.

DENSITY AND DIMENSIONAL REQUIREMENTS

According to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC), a *Warehouse/Distribution Center* and a *Light Manufacturing* is a permitted *by-right* land use in a Light Industrial (LI) District. The submitted site plan, landscape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property located within a Light Industrial (LI) District with the exception of the items noted in the *Variances and Exceptions Requested by the Applicant* section of this case memo. A summary of the density and dimensional requirements for the subject property are as follows:

Ordinance Provisions	*Zoning District Standards*	*Conformance to the Standards*
Minimum Lot Area	*12,500 SF*	*X=11.37-Acres; In Conformance*
Minimum Lot Frontage	*100-Feet*	*X= 788.63-Feet; In Conformance*
Minimum Lot Depth	*125-Feet*	*X=584-Feet; In Conformance*
Minimum Front Yard Setback	*25-Feet*	*X>25-Feet; In Conformance*
Minimum Rear Yard Setback	*10-Feet*	*X>10-Feet; In Conformance*
Minimum Side Yard Setback	*10-Feet*	*X>10-Feet; In Conformance*
Maximum Building Height	*60-Feet*	*X=93.4-Feet; In Conformance*
Max Building/Lot Coverage	*60%*	*X=26.8%; In Conformance*
Minimum Number of Parking Spaces	*1 Parking Space per 300 SF for Office and 1 Parking Space per 1,000 SF for Warehouse/ Manufacturing*	*X=146; Exception Requested*
Minimum Landscaping Percentage	*15%*	*X=25%; In Conformance*
Maximum Impervious Coverage	*90-95%*	*X=75%; In Conformance*

TREESCAPE PLAN

No trees are being removed from the subject property. Based on this, no *Treescape Plan* is required.

CONFORMANCE WITH THE CITY'S CODES

The applicant is requesting to construct *Warehouse/Distribution Center* and a *Light Manufacturing Facility* on the subject property. According to Subsection 02.02(J)(7), *Warehouse/Distribution Center*, of Article 13, *Definitions*, of the Unified Development Code (UDC), a *Warehouse/Distribution Center* is defined as a "…building used primarily for the storage and distribution of goods, merchandise, supplies, and equipment including wholesalers which display, sell, and distribute merchandise to business representatives for resale..." In addition, Subsection 02.02(I)(10), *Light Manufacturing*, of Article 13, *Definitions*, of the Unified Development Code (UDC), a *Light Manufacturing* is defined as a "…facility or area for producing goods without the use of chemical processing of materials." In this case, the applicant's request for the *warehouse/manufacturing facility* land use is permitted *by-right* as stipulated by Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC).

According to Subsection 07.03, *Non-Residential District Development Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), the maximum building height within a Light Industrial (LI) District is 60-feet. In this case, the proposed building elevations indicate the maximum building height is 93.4-feet. That being said, the subject property has been granted a Specific Use Permit (SUP) [*Ordinance No. 19-19; S-207*] that allows for a maximum

height of 100-feet. Given this, the proposed building elevations are in accordance with the SUP. In addition to the increased building height allowance, the approved SUP allows for Silos to be located on the property; however, they must be located on the south side of the buildings, directly adjacent to the *Union Pacific/Dallas Garland NE Railroad* right-of-way. In this case, the applicant has located the silos in conformance with the SUP.

According to Table 5, *Parking Requirement Schedule*, of Article 06, *Parking and Loading*, of the Unified Development Code (UDC), parking for an *office building* is one (1) parking space per 300 SF of building area, and for warehousing it is one (1) parking space per 1,000 SF of building area. In this case, the applicant is requesting their parking be calculated in accordance with the anticipated number of employees for any given shift. The proposed site plan indicates that there are 60 employees per shift with a 50.00% overlap. Given this, the total parking they are proposing is 146 spaces for employees and visitors. Staff should note that, existing on site are 88 parking spaces. The original site plan [*Case No. SP2019-004*] indicated that Phase 2 would have 79 additional parking spaces, for a total of 167 parking spaces. The proposed site plan indicates that 58 parking spaces will be added for a total of 146 parking spaces. Also, the original site plan indicated that Phase 2 would be 64,950 SF of building area and the proposed site plan indicates 80,000 SF of building area. Based on the original site plan, the number of projected parking spaces has decreased by 21 spaces and the square footage of the proposed building has increased by 15,050 SF.

The proposed site plan generally conforms to the requirements of the *General Industrial District Standards* as stipulated by Article 05, *District Development Standards*, of the Unified Development Code (UDC), with the exception of the exceptions being requested as outlined in the *Variances and Exceptions Requested by the Applicant* section of this case memo.

VARIANCES AND EXCEPTIONS BY THE APPLICANT

As stated above, the applicant's request conforms to the majority of the City's codes; however, staff has identified the following exceptions:

(1) *Parking*. According to Table 5, *Parking Requirement Schedule*, of Article 06, *Parking and Loading*, of the Unified Development Code (UDC), parking for an *office building* is one (1) parking space per 300 SF of building area, and for warehousing it is one (1) parking space per 1,000 SF of building area. This would equate to 231 parking spaces. In this case, the applicant is requesting their parking be justified by the number of employees on site at one time. Base on this, the applicant is proposing a total 146 parking spaces, which is deficient by 85. This will require an *exception* from the Planning and Zoning Commission.

(2) *Building Materials*.

(a) *Stone*. According to Subsection 05.01 (A)(1), *Materials and Masonry Composition*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), a "…minimum of 20% stone (*i.e. natural or synthetic/cultured*) is required on all building façades." In this case, the applicant is proposing a stone patterned formliner and not stone. That being said, this material matches the existing building that the proposed expansion will be attached to. This will require an *exception* from the Planning and Zoning Commission.

(b) *Primary Materials*. According to Subsection 05.01 (A)(1), *Materials and Masonry Composition*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), "(e)ach exterior wall of a building's façade shall consist of a minimum of 90% Primary Materials…" or masonry material. That being said, the proposed materials match the existing building that the proposed expansion will be attached to. This will require an *exception* from the Planning and Zoning Commission.

(c) *Secondary Materials*. According to Subsection 05.01 (A)(1), *Materials and Masonry Composition*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), "(e)ach exterior wall of a building's façade shall consist of a maximum of 10% Secondary Materials…" In this case, the applicant is proposing greater than 10% metal on the south, east, and west elevations. This is being done to screen the extruder bays, and given the height of the extruders metal is most realistic construction material. This will require an *exception* from the Planning and Zoning Commission.

(d) *Tilt Wall*. According to Subsection 05.01 (A)(1), *Materials and Masonry Composition*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), "(t)he use of concrete tilt-up walls may be permitted on a case-by-case basis in accordance with the exception requirements outlined below." In this case, the applicant is proposing a stone patterned formliner and not stone. That being said, this material matches the existing building that the proposed expansion will be attached to. This will require an *exception* from the Planning and Zoning Commission.

(3) *Building Articulation*.

(a) *Primary Building Facades*. According to Subsection 05.01 (C), *Building Articulation*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), the minimum wall length shall not exceed four (4) times the wall height. In this case, the wall length requirement does not meet on the east side of the building. This will require an *exception* from the Planning and Zoning Commission pending a recommendation from the Architectural Review Board (ARB).

(b) *Secondary Building Facades*. According to Subsection 05.01 (C), *Building Articulation*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), the minimum wall length shall not exceed three (3) times the wall height. In this case, the wall length requirement is not met on the west side of the building. This will require an *exception* from the Planning and Zoning Commission pending a recommendation from the Architectural Review Board (ARB).

According to Subsection 09, *Exceptions and Variances*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), "…an applicant may request the Planning and Zoning Commission grant variances and exceptions to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship." In addition, the code requires that the applicant provide compensatory measures that directly offset the requested variances and exceptions. The applicant has indicated the following as compensatory measures: [1] plant an additional eight (8) evergreen shrubs, [2] plant five (5) additional canopy trees, and [3] plant (3) additional accent trees. The applicant's variance letter states that they are requesting the material variances in order for the expansion to match the existing building. In addition, the applicant's letter indicates that "…due to the unique height requirements of the equipment inside the building…" they are requesting the articulation variances. Requests for exceptions and variances to the Unified Development Code (UDC) are discretionary decisions for the Planning and Zoning Commission. Staff should note that a supermajority vote (*e.g. six [6] out of the seven [7] commissioners*) -- *with a minimum of four (4) votes in the affirmative* -- is required for the approval of a variance or exception.

CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN

The Future Land Use Plan adopted with the OURHometown Vision 2040 Comprehensive Plan identifies the subject property as being situated in the *Central District*. The *Central District* "…is composed of a wide range of land uses that vary from single-family to industrial." In addition, the *Central District* "…incorporates a high volume of industrial land uses adjacent to the *Union Pacific/Dallas Garland and Northeastern Rail Road* line that bisects the district -- *and City* -- in an east/west direction." The Future Land Use Map contained in the OURHometown Vision 2040 Comprehensive Plan, indicates that the subject property should be developed with industrial land uses. In this case, the applicant is expanding the existing industrial land use. Based on this, the applicant's proposal appears to conform with the goals and policies of the Comprehensive Plan.

ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION

On February 28, 2023 the Architecture Review Board reviewed the building elevations provided by the applicant and requested the applicant ensure the RTUs are fully screened and to stamp the smooth band on the west elevations. The ARB will review the revised building elevations at the March 14, 2023 meeting and make recommendation to the Planning and Zoning Commission. Based on the revised building elevation submit by the applicant they have addressed the ARB comments.

CONDITIONS OF APPROVAL

If the Planning and Zoning Commission chooses to approve the applicant's *Amended Site Plan* for the construction of a *warehouse/manufacturing facility* on the *subject property*, then staff would propose the following conditions of approval:

(1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.

(2) All roof top equipment shall be fully screened from all adjacent properties and public right-of-way.

(3) Any construction resulting from the approval of this *Site Plan* shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
PLANNING & ZONING CASE NO.

NOTE: *THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.*

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

PLATTING APPLICATION FEES:
- ☐ MASTER PLAT ($100.00 + $15.00 ACRE) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☑ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS	501 INDUSTRIAL BLVD, ROCKWALL TX 75087				
SUBDIVISION	INDALLOY ADDITION	LOT	2	BLOCK	1
GENERAL LOCATION	INTERSECTION OF RAILROAD RD AND INDUSTRIAL BLVD; NORTH OF I-30				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	LIGHT INDUSTRIAL	CURRENT USE	OFFICE, WAREHOUSE, MANUFACTURING
PROPOSED ZONING	LIGHT INDUSTRIAL	PROPOSED USE	OFFICE, WAREHOUSE, MANUFACTURING
ACREAGE	11.37 AC	LOTS [CURRENT]	1
		LOTS [PROPOSED]	1

☑ ***SITE PLANS AND PLATS:*** *BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.*

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

☐ OWNER	ALVAPLAST US DEVELOPMENT LLC	☑ APPLICANT	HALFF ASSOCIATES
CONTACT PERSON	CAROLINA MOLINA	CONTACT PERSON	TJ MCDONALD
ADDRESS	1480 JUSTIN ROAD	ADDRESS	3803 PARKWOOD BLVD, SUITE 800
CITY, STATE & ZIP	ROCKWALL, TX 75087	CITY, STATE & ZIP	FRISCO, TX 75034
PHONE	469-402-1232	PHONE	214-937-3939
E-MAIL	CMolina@sprpackaging.com	E-MAIL	tmcdonald@halff.com

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Marcus McKee [*OWNER*] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $ 477.40 *TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE* 15th *DAY OF* February, 20 23 *BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."*

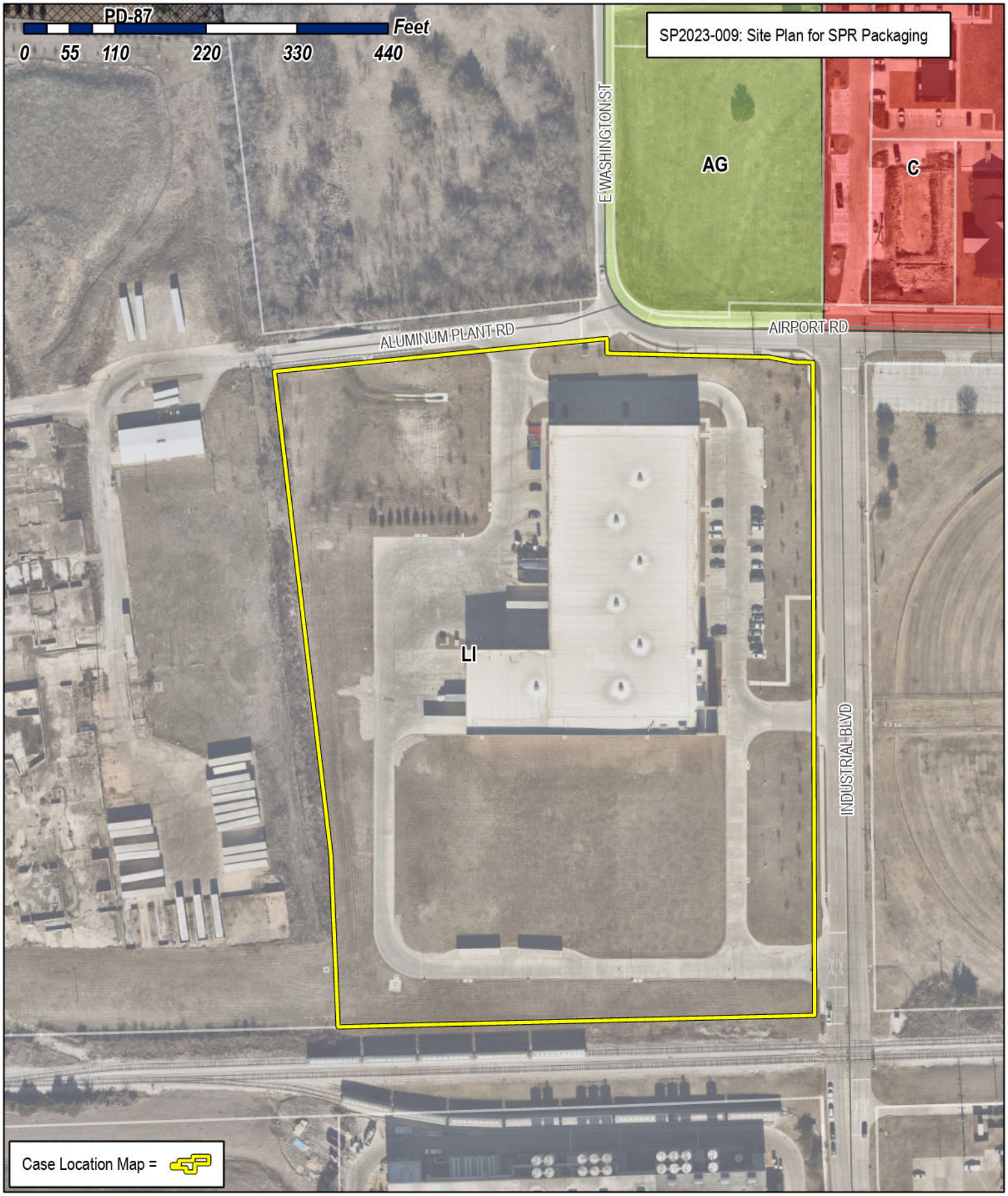
GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 15th *DAY OF* February *20* 23

OWNER'S SIGNATURE [signature]

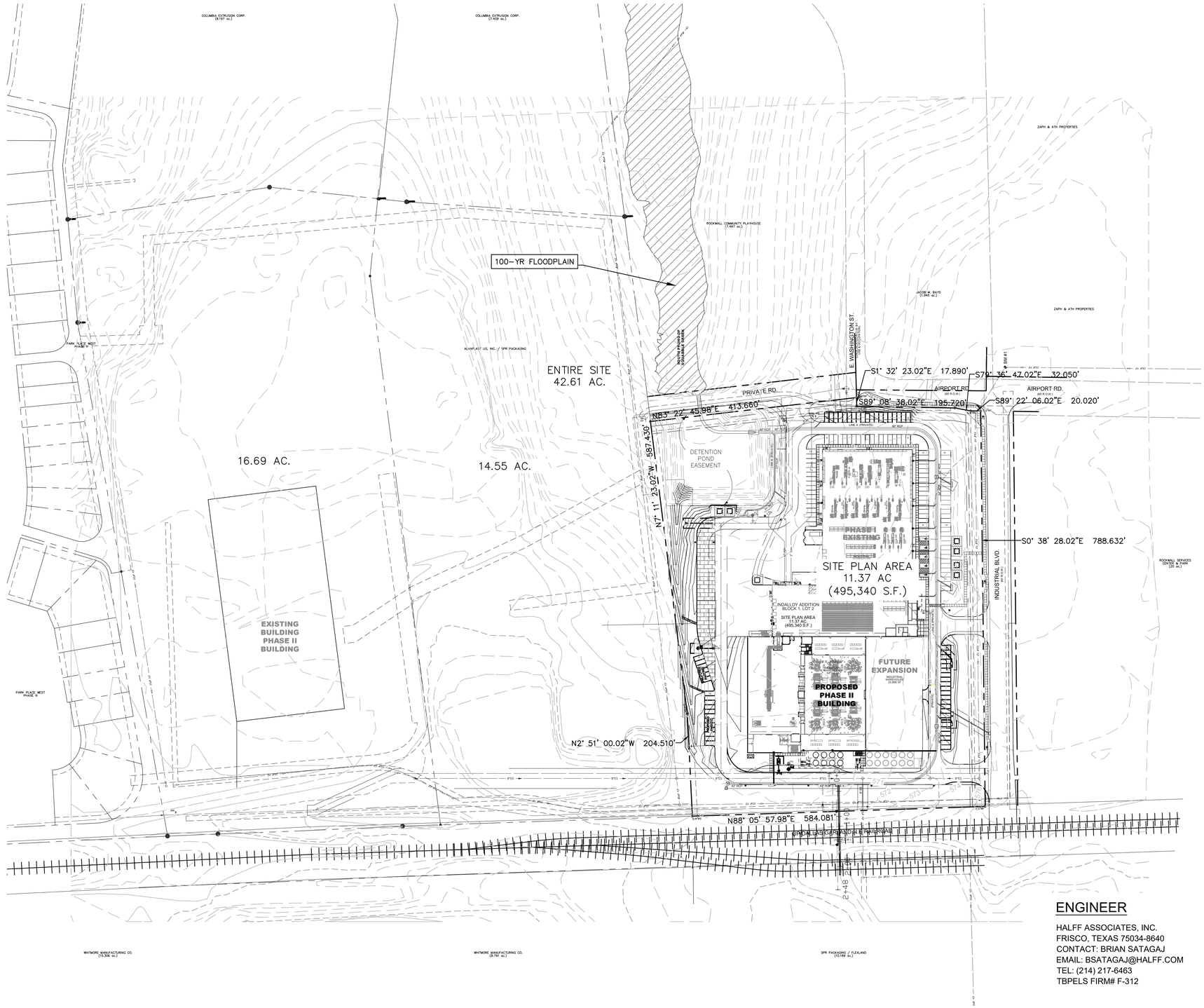
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS Vonda L Clements

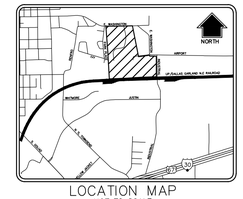
NOTARY PUBLIC STATE OF TEXAS
VONDA L CLEMENTS
Notary ID #10306723
My Commission Expires
January 5, 2025

MY COMMISSION EXPIRES 1/5/2025



City of Rockwall
Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087
(P): (972) 771-7745
(W): www.rockwall.com





LOCATION MAP
NOT TO SCALE

N

0 50 100 150 200

SCALE: 1"=100'

BENCHMARK 1
CENTER OF SANITARY SEWER MANHOLE LID, LOCATED 100 FEET NORTHEAST OF THE EASTERN-MOST NORTHEAST PROPERTY CORNER
ELEVATION=580.82'

BENCHMARK 2
CENTER OF SANITARY SEWER MANHOLE LID, LOCATED 18.5 FEET NORTHWEST OF THE SOUTHEAST PROPERTY CORNER ELEVATION =577.13'

SURVEYOR

HALFF ASSOCIATES, INC.
RICHARDSON, TEXAS 75081
CONTACT: DREW CHAVCHALOV
EMAIL: DCHAVCALOV@HALFF.COM
TEL: (214) 217-6461
TBPELS FIRM# F-312

DEVELOPER/OWNER

ALVAPLAST US DEVELOPMENT LLC
1480 JUSTIN ROAD
ROCKWALL, TX 75087
CONTACT: CAROLINA MOLINA
EMAIL: CMOLINA@SPRPACKAGING.COM
TEL: 469-402-1232

ENGINEER

HALFF ASSOCIATES, INC.
FRISCO, TEXAS 75034-8640
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EMAIL: BSATAGAJ@HALFF.COM
TEL: (214) 217-6463
TBPELS FIRM# F-312

ARCHITECT

PROSS DESIGN GROUP, INC.
DALLAS, TEXAS 75230-8640
CONTACT: DAVID MORALES
EMAIL: DMORALES@PDGARCH.COM
TEL: (972) 759-1400

LANDSCAPE ARCHITECT

BELLE FIRMA
4245 NORTH CENTRAL EXPY
SUITE 501
DALLAS, TX 75205
CONTACT: KORI HAUG
EMAIL: KHAUG@BELLEFIRMA.COM
TEL: 214-865-7192

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____ day of _____ ; _____

WITNESS OUR HANDS , this _____ day of _____ , _____.

_____ *Planning & Zoning Commission, Chairman*

_____ *Director of Planning and Zoning*

CASE NO. SP2023-009

drawn: TJM
checked BMS
date 03/07/2023

#	DESCRIPTION	DATE

03/07/2023

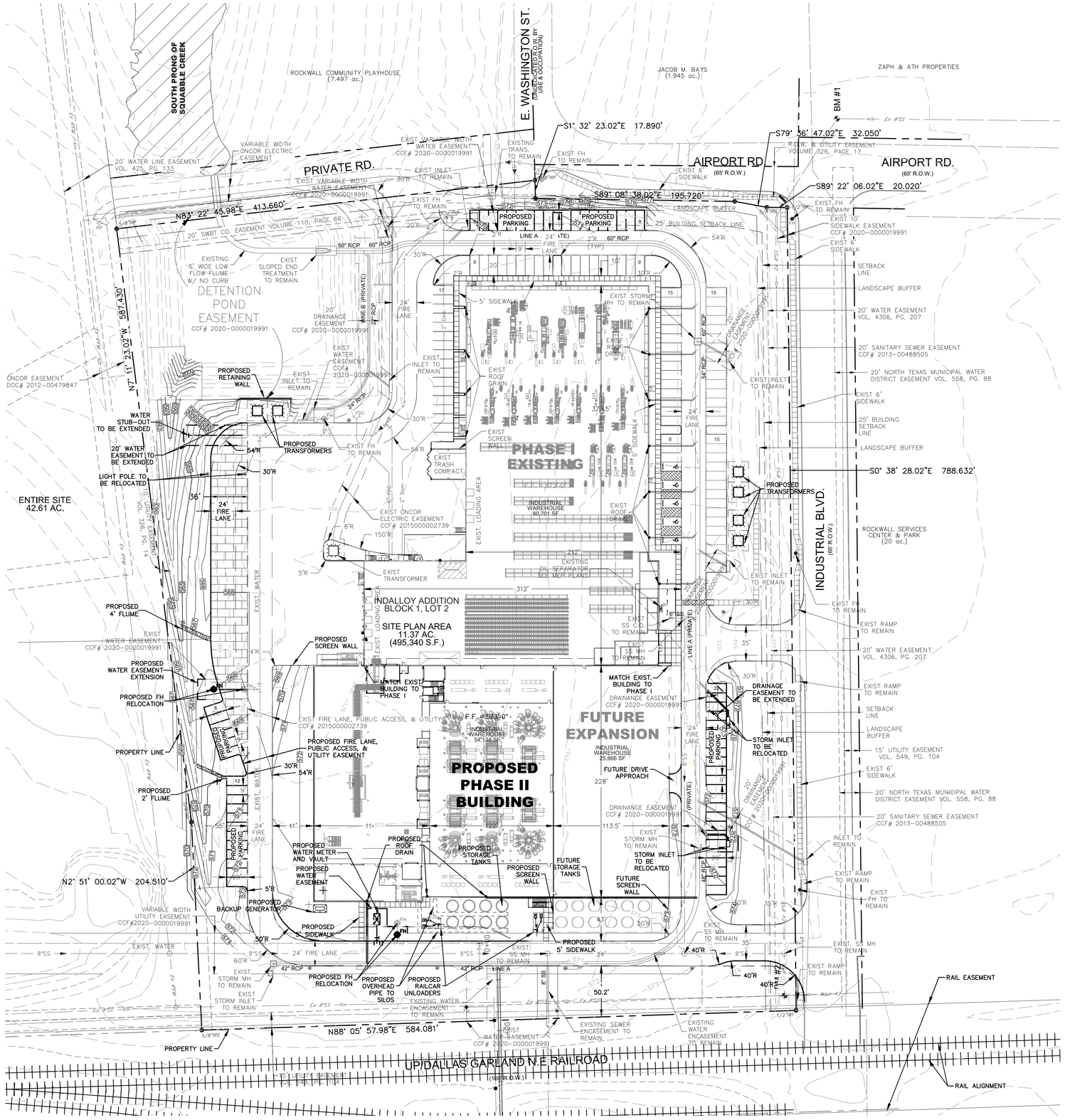
PRELIMINARY
FOR INTERIM REVIEW ONLY
These documents are for Interim Review and not intended for Construction, Bidding, or Permit Purposes. They were prepared by, or under the supervision of:

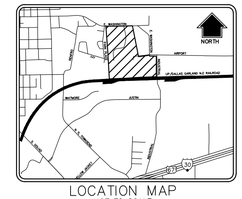
BRIAN M. SATAGAJ — 107736
NAME — P.E. NO.
DATE — 3/7/2023
TBPELS Engineering Firm #312

halff
3903 PARKWOOD BLVD., SUITE 800
FRISCO, TX 75034-8641
(214) 616-4370

SPR PACKAGING
SPR NORTH PHASE 2
FOR 11.37 AC. OF INDALLOY ADDITION, BLOCK 1, LOT 2
ROCKWALL, TEXAS

job no
OVERALL SITE PLAN
sheet
C0.01





LOCATION MAP
NOT TO SCALE

SITE DATA:

CURRENT ZONING:	(LI) LIGHT INDUSTRIAL
PROPOSED LAND USE:	OFFICE, WAREHOUSE, MANUFACTURING
TOTAL SITE AREA:	11.37 AC. (495,340 SF)

BUILDING:

PHASE 1		
1st FLOOR EXISTING	78,682	SF
2nd FLOOR EXISTING	536	SF
2nd FLOOR NEW	1,483	SF
	80,701	SF
PHASE 2		
1st FLOOR	54,134	SF
2nd FLOOR	34,291	SF
TOTAL	88,425	SF
FUTURE EXPANSION (ESTIMATED)		
1st FLOOR	25,866	SF

PARKING:

NOTE:
REQUIRED PARKING CALCULATED PER OWNER PROVIDED EMPLOYEE & SHIFT DATA
REFERENCE VARIANCE REQUEST SUBMITTED WITH SITE PLAN

EMPLOYEES PER SHIFT = 60 ON 50% STAGGERED/OVERLAPPING SCHEDULE

EMPLOYEE PARKING SPACES REQUIRED = 90 SPACES
VISITOR PARKING SPACES REQUIRED = 20 SPACES
TOTAL PARKING SPACES REQUIRED = 110 SPACES
TOTAL PARKING SPACES PROVIDED = 146 SPACES

ACCESSIBLE SPACES REQUIRED = 5 SPACES
ACCESSIBLE SPACES PROVIDED = 5 SPACES
*SPACES ARE INCLUDED IN TOTAL ABOVE

BENCHMARK 1
CENTER OF SANITARY SEWER MANHOLE LID, LOCATED 100 FEET NORTHEAST OF THE EASTERN-MOST NORTHEAST PROPERTY CORNER
ELEVATION=580.82'

BENCHMARK 2
CENTER OF SANITARY SEWER MANHOLE LID, LOCATED 18.5 FEET NORTHWEST OF THE SOUTHEAST PROPERTY CORNER ELEVATION =577.13'

EXISTING LEGEND

FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
	WATER VALUE
	SANITARY SEWER MANHOLE
PP	POWER POLE
	STORM MANHOLE
	WATERLINE
SS	SEWER LINE
	EASEMENT LINE
	PROPERTY LINE
	CONTOUR LINE

LEGEND

7" THICK, 3600 PSI CONCRETE PAVEMENT (6.5 SACK MIX) WITH #3 BARS AT 18" O.C.E.W. OVER LIME TREATED SUBGRADE PER GEOTECHNICAL RECOMMENDATIONS

SURVEYOR

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RICHARDSON, TEXAS 75081
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EMAIL: DCHAVCALOV@HALFF.COM
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APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____ day of _____, _____

WITNESS OUR HANDS, this _____ day of _____, _____.

Planning & Zoning Commission, Chairman | *Director of Planning and Zoning*

CASE NO. SP2023-009

drawn: TJM
checked BMS
date 03/07/2023

#	DESCRIPTION	DATE

03/07/2023

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FOR INTERIM REVIEW ONLY
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BRIAN M. SATAGAJ 107706
NAME P.E. NO.
DATE 3/6/2023
TBPELS Engineering Firm #312

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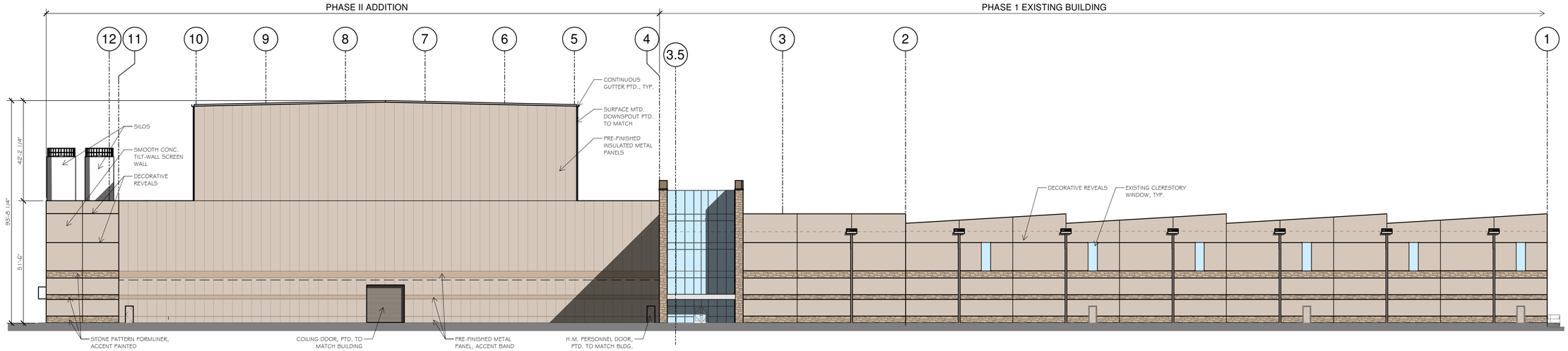
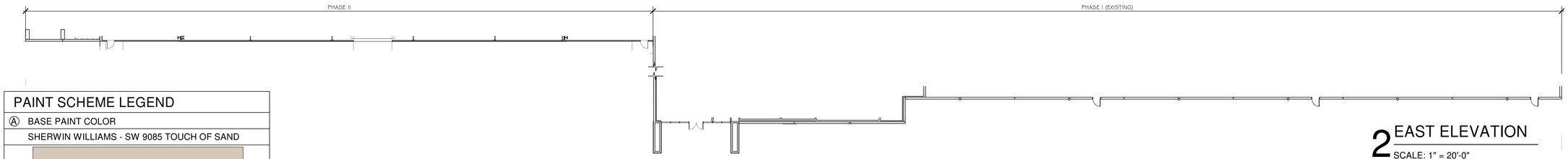
3909 PARKWOOD BLVD, SUITE 800
FRISCO, TX 75034-8641
(214) 346-6200

SPR PACKAGING
SPR NORTH PHASE 2
FOR 11.37 AC. OF INDALLOY ADDITION, BLOCK 1, LOT 2
ROCKWALL, TEXAS

job no
DETAIL SITE PLAN
sheet
C0.02





2 EAST ELEVATION
SCALE: 1" = 20'-0"

PAINT SCHEME LEGEND

Ⓐ BASE PAINT COLOR
SHERWIN WILLIAMS - SW 9085 TOUCH OF SAND

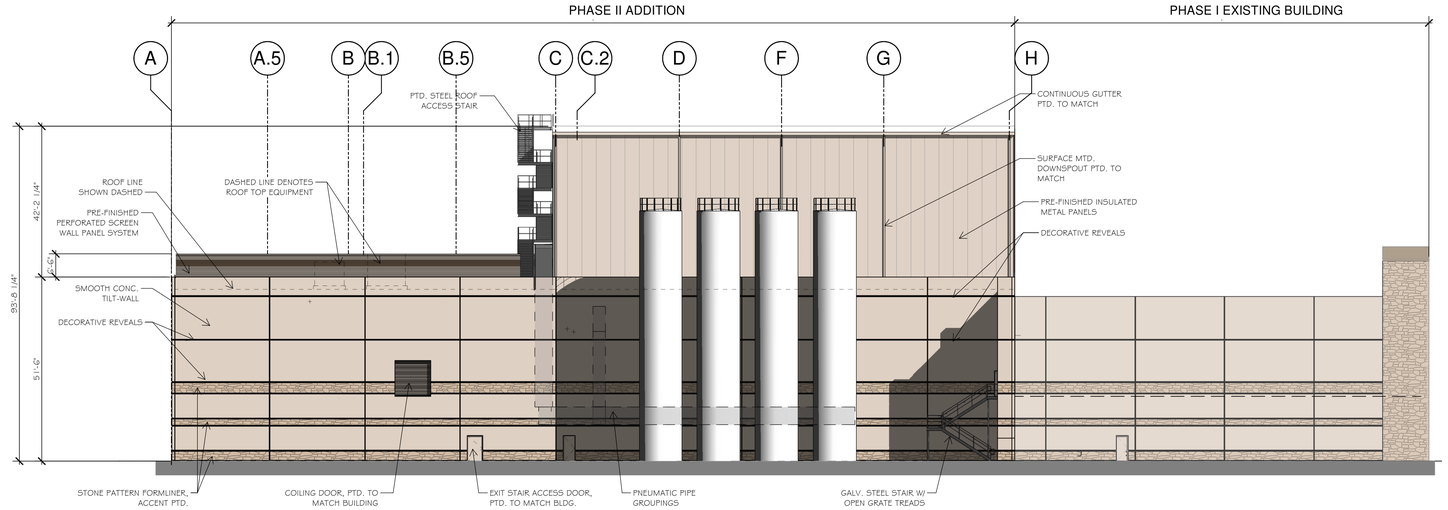
Ⓑ ACCENT PAINT COLOR 01
SHERWIN WILLIAMS - SW 7518 BEACH HOUSE

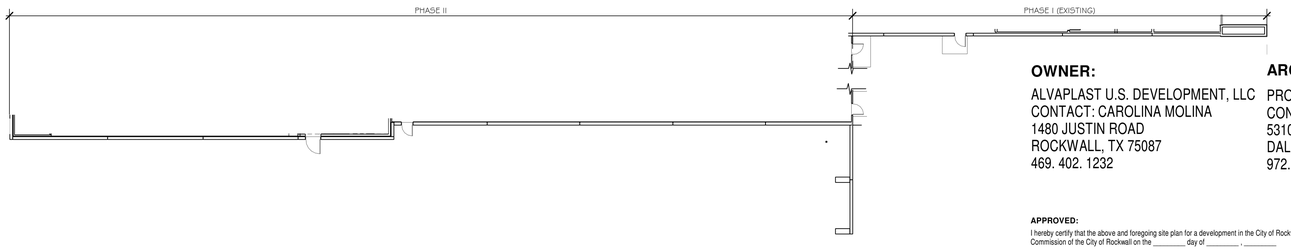
Ⓒ ACCENT PAINT COLOR 02
SHERWIN WILLIAMS - SW 7550 RESORT TAN

Ⓓ METAL PANEL - ACCENT TRIM
METAL SPAN WEATHERXL- SADDLE TAN

Ⓔ METAL PANEL - FIELD
MORIN MATRIX MX-1- T.B.D.

Ⓕ METAL PANEL - ACCENT TRIM
MORIN MATRIX MX-1- T.B.D.





1 SOUTH ELEVATION
SCALE: 1" = 20'-0"

FACADE MATERIAL CALCULATIONS

	NORTH	SOUTH	EAST	WEST
TOTAL FACADE SQ. FT.	16,964 S.F.	32,427 S.F.	28,696 S.F.	47,585 S.F.
FACADE SQ. FT. EXCLUDING DOORS & WINDOWS	16,360 S.F.	31,917 S.F.	25,731 S.F.	44,904 S.F.
DOORS AND WINDOWS	604 S.F.	510 S.F.	2,965 S.F.	2,681 S.F.
INSULATED METAL PANELS (IMP)	43 S.F. 0.3 %	5,859 S.F. 19.0 %	7,129 S.F. 28.0 %	7,129 S.F. 16.0 %
PERFORATED SCREEN WALL	978 S.F. 6.0 %	723 S.F. 2.0 %	0 S.F. 0.0 %	1717 S.F. 4.0 %
MASONRY TOTAL	15,339 S.F. 93.7%	25,335 S.F. 79.0 %	18,602 S.F. 72.0 %	36,058 S.F. 80.0 %

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469. 402. 1232

ARCHITECT:
PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972. 759. 1400

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____ day of _____ , _____

WITNESS OUR HANDS, this _____ day of _____ , _____.

Planning & Zoning Commission, Chairman — *Director of Planning and Zoning*

CASE NO: SP2023-009

drawn: AA
checked ROBERT PROSS
date 03/07/2023

#	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT PROSS 19615 STATE OF TEXAS
03/07/2023

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230 972/759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no 2033
sheet A3-0

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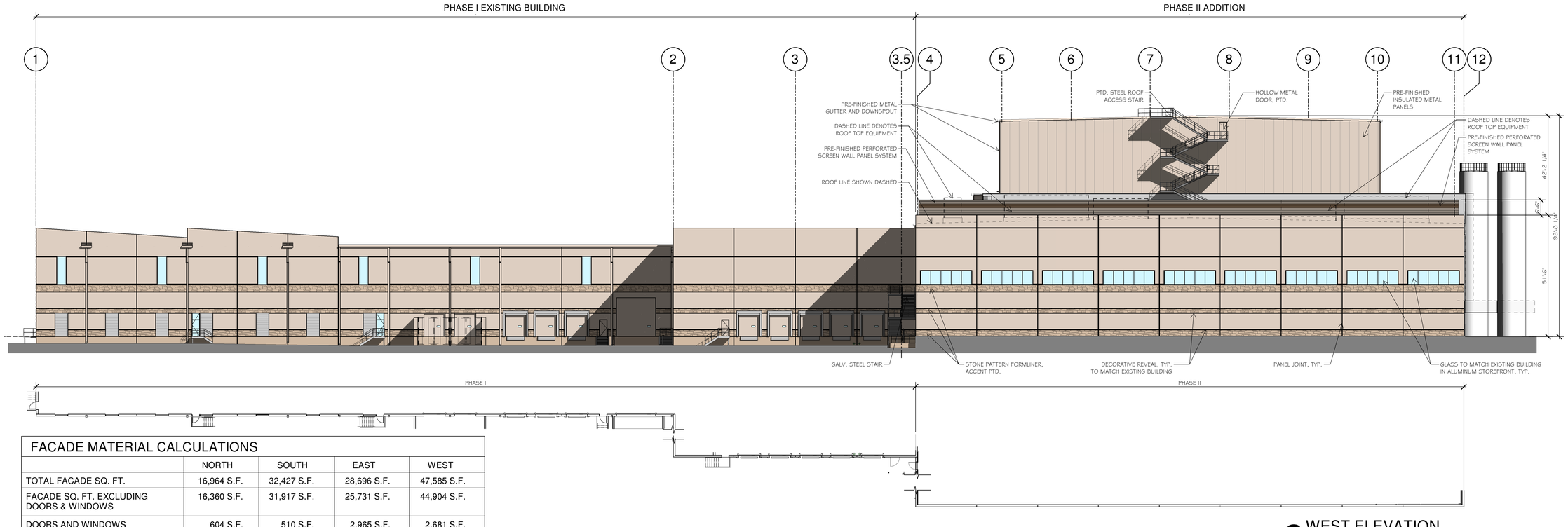

2 WEST ELEVATION

SCALE: 1" = 20'-0"

FACADE MATERIAL CALCULATIONS

	NORTH	SOUTH	EAST	WEST
TOTAL FACADE SQ. FT.	16,964 S.F.	32,427 S.F.	28,696 S.F.	47,585 S.F.
FACADE SQ. FT. EXCLUDING DOORS & WINDOWS	16,360 S.F.	31,917 S.F.	25,731 S.F.	44,904 S.F.
DOORS AND WINDOWS	604 S.F.	510 S.F.	2,965 S.F.	2,681 S.F.
INSULATED METAL PANELS (IMP)	43 S.F. 0.3 %	5,859 S.F. 19.0 %	7,129 S.F. 28.0 %	7,129 S.F. 16.0 %
PERFORATED SCREEN WALL	978 S.F. 6.0 %	723 S.F. 2.0 %	0 S.F. 0.0 %	1717 S.F. 4.0 %
MASONRY TOTAL	15,339 S.F. 93.7%	25,335 S.F. 79.0 %	18,602 S.F. 72.0 %	36,058 S.F. 80.0 %

PAINT SCHEME LEGEND

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SHERWIN WILLIAMS - SW 9085 TOUCH OF SAND

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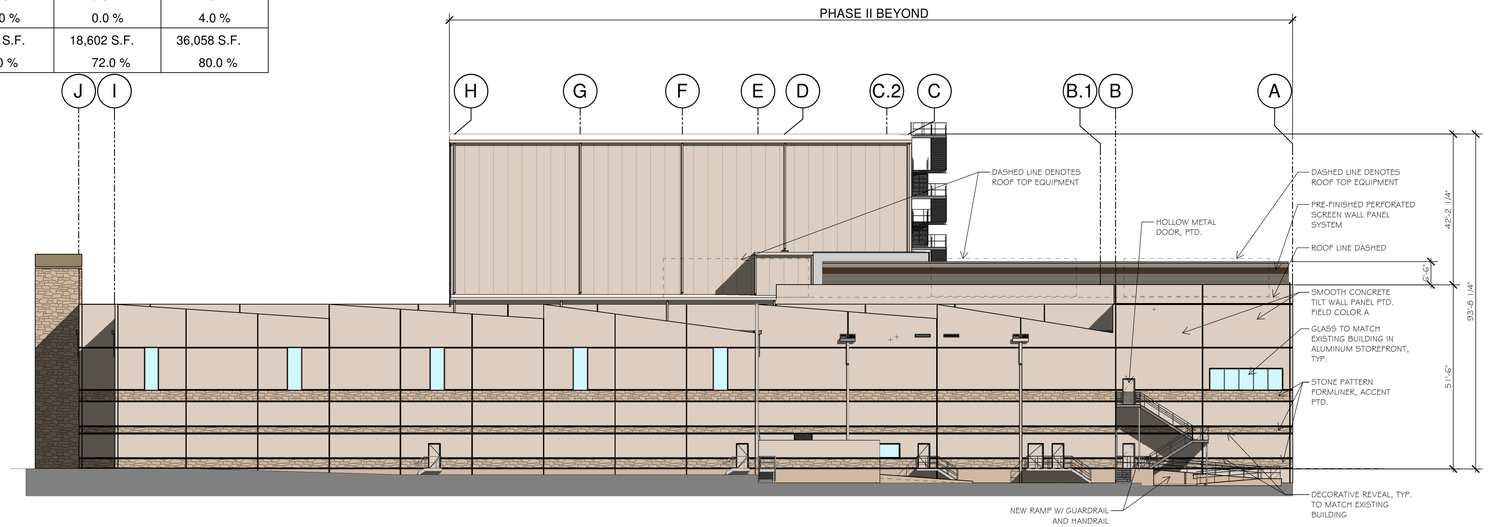

1 NORTH ELEVATION

SCALE: 1" = 20'-0"

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469. 402. 1232

ARCHITECT:
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Planning & Zoning Commission, Chairman *Director of Planning and Zoning*

CASE NO: SP2023-009

drawn: AA
checked ROBERT PROSS
date 03/07/2023

#	DESCRIPTION	DATE

REGISTERED ARCHITECT ROBERT PROSS STATE OF TEXAS
03/07/2023

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230, 972-759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no 2033
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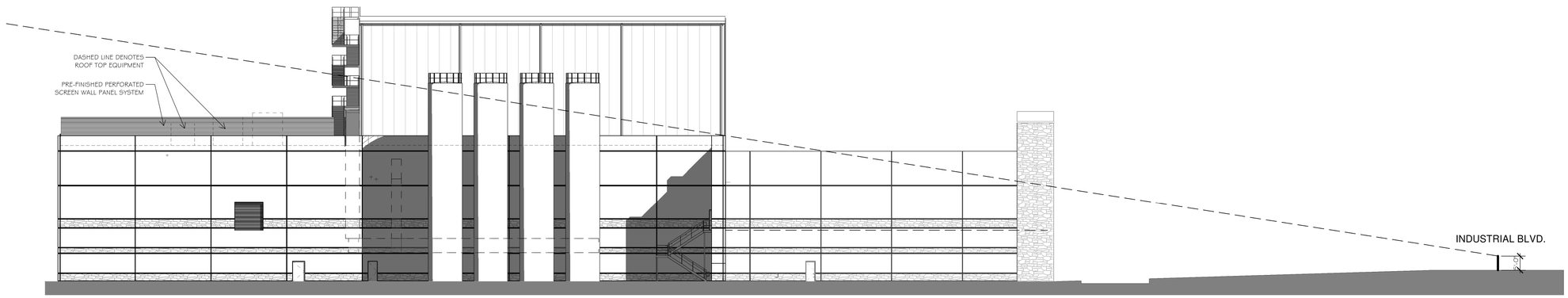

1 LINE-OF-SIGHT STUDY

SCALE: 1" = 20'-0"

OWNER:

ALVAPLAST U.S. DEVELOPMENT, LLC
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ROCKWALL, TX 75087
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WITNESS OUR HANDS, this _____ day of _____ , _____.

Planning & Zoning Commission, Chairman *Director of Planning and Zoning*

CASE NO: SP2023-009

#	DATE	DESCRIPTION

drawn:
AA
checked
ROBERT PROSS
date
03/07/2023

REGISTERED ARCHITECT ROBERT PROSS 22918 STATE OF TEXAS
03/07/2023

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230, 972/759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no
2033
sheet
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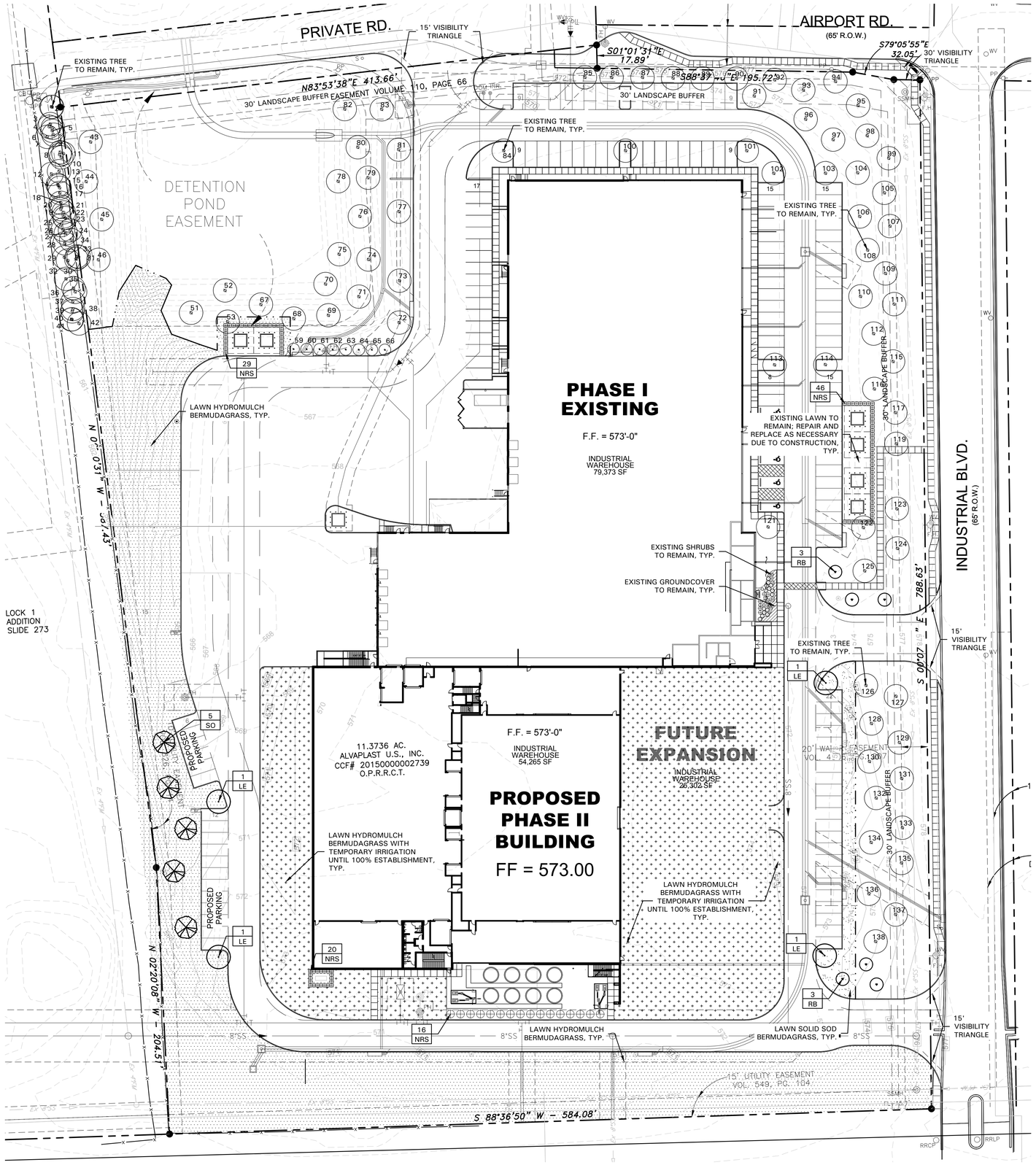

LANDSCAPE NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.
2. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
3. CONTRACTOR SHALL PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
4. CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL FINISHED GRADE IN PLANTING AREAS AND 1" BELOW FINAL FINISHED GRADE IN LAWN AREAS.
5. ALL PLANTING BEDS AND LAWN AREAS SHALL BE SEPARATED BY STEEL EDGING. NO STEEL EDGING SHALL BE INSTALLED ADJACENT TO BUILDINGS, WALKS, OR CURBS. CUT STEEL EDGING AT 45 DEGREE ANGLE WHERE IT INTERSECTS WALKS AND CURBS.
6. TOP OF MULCH SHALL BE 1/2" MINIMUM BELOW THE TOP OF WALKS AND CURBS.
7. ALL LAWN AREAS SHALL BE SOLID SOD BERMUDAGRASS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
8. ALL REQUIRED LANDSCAPE AREAS SHALL BE PROVIDED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM WITH RAIN AND FREEZE SENSORS AND EVAPOTRANSPIRATION (ET) WEATHER-BASED CONTROLLERS AND SAID IRRIGATION SYSTEM SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL AND INSTALLED BY A LICENSED IRRIGATOR.
9. CONTRACTOR SHALL PROVIDE BID PROPOSAL LISTING UNIT PRICES FOR ALL MATERIAL PROVIDED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.

SOLID SOD NOTES

1. PLANT SOD BY HAND TO COVER INDICATED AREAS COMPLETELY. ENSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL VOIDS.
2. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE, FREE FROM UNNATURAL UNDULATIONS.
3. WATER SOD THOROUGHLY AS SOD OPERATION PROGRESSES.
4. IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1 AND MARCH 1, OVER-SEED BERMUDAGRASS SOD WITH WINTER RYEGRASS, AT A RATE OF FOUR (4) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.

LANDSCAPE TABULATIONS

THE CITY OF ROCKWALL, TEXAS

STREET LANDSCAPING

1. 30' wide landscape buffer with one tree per 50 l.f.

INDUSTRIAL BLVD.: 789 l.f.

Required	Provided
(16) trees, 3" cal.	(16) existing trees, 4" cal. +

AIRPORT RD.: 248 l.f.

Required	Provided
(5) trees, 3" cal.	(5) existing trees, 4" cal. +

PARKING LOT LANDSCAPING

1. 5% of the interior parking lot shall be landscape.
2. One (1) tree for every ten (10) parking spaces.
3. All parking spaces shall be a minimum eighty (80) feet from a tree.

Total interior parking lot area: 38,589 s.f.
Total parking spaces: 88 spaces

Required	Provided
1,930 s.f. (5%)	3,164 s.f. (16%)
(9) trees	(9) existing trees

SITE LANDSCAPING

1. 10% of the total site shall be landscaped for LIGHT INDUSTRIAL.
2. 100% of the total requirements shall be located in the front of and along side buildings for LIGHT INDUSTRIAL.

Total site: 11.37 AC; 495,440 s.f.

Required	Provided
49,544 s.f. (10%)	263,051 s.f. (25%)
49,544 s.f. (100%)	168,924 s.f.

DETENTION BASIN REQUIREMENTS

1. A minimum of one (1) tree for every 750 s.f. of dry land area.

Dry Land Area: 17,143 s.f.

Required	Provided
(23) trees	(23) existing trees

INCREASED LANDSCAPING

1. Materials and Masonry Composition
2. Above Ground Silo Screening
3. Parking

Provided:

1. (5) Additional trees along west parking row.
2. (6) Ornamental trees added at existing entry drives.
3. (16) Evergreen screening shrubs provided around silos.

CITY OF ROCKWALL NOTES

1. **NO TREES WITHIN 5'-0" OF ANY UTILITIES**
2. **IRRIGATION SYSTEM WILL MEET REQUIREMENTS IN THE UDC**

OWNER:

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ROCKWALL, TX 75087
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ARCHITECT:

PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972. 759. 1400

APPROVED:

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WITNESS OUR HANDS , this _____ day of _____ , _____.

Planning & Zoning Commission, Chairman — *Director of Planning and Zoning*

CASE NO: SP2023-009

LANDSCAPE PLAN

SCALE: 1" = 40'-0"

BELLE FIRMA

4245 North Central Expy
Suite 501
Dallas, Texas 75205
214.865.7192 office

drawn: TJM
checked KAH
date 03/07/2023

#	DESCRIPTION	DATE

03/07/2023

REGISTERED LANDSCAPE ARCHITECT — KRISTI ANN HUNT — 2246 — STATE OF TEXAS — 03.07.23

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230. 972.759.1400

SPR PACKAGING

SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no

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PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
LE	*Ulmus parvifolia 'Sempervirens'*	Lacebark Elm	4	4" cal.	container grown, 15' ht., 5' spread, 5' branching ht., matchir
RB	*Cercis canadensis 'Oklahoma'*	Oklahoma Redbud	6	30 gal.	container grown, 8' ht., 4' spread min.
SO	*Quercus shumardii*	Shumard Red Oak	5	4" cal.	container grown, 15' ht., 5' spread, 5' branching ht., matchir
	SHRUBS/GROUNDCOVER				
NRS	*Ilex spp. 'Nellie R. Stevens'*	Nellie R. Stevens Holly	111	7 gal.	container full to base, 36" ht., refer to plan for spacing
	Cynodon dactylon	Common Bermudagrass			refer to notes

NOTE: ALL TREES SHALL HAVE STRAIGHT TRUNKS AND BE MATCHING WITHIN VARIETIES.
PLANT LIST IS AN AID TO BIDDERS ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES ON PLAN.
ALL HEIGHTS AND SPREADS ARE MINIMUMS. ALL PLANT MATERIAL SHALL MEET OR EXCEED REMARKS AS INDICATED.

SITE DATA:

CURRENT ZONING:	(LI) LIGHT INDUSTRIAL
PROPOSED LAND USE:	OFFICE, WAREHOUSE, MANUFACTURING
TOTAL SITE AREA:	11.37 AC. (495,340 SF)

BUILDING:

PHASE 1		
1st FLOOR EXISTING	78,682	SF
2nd FLOOR EXISTING	536	SF
2nd FLOOR NEW	1,483 SF	
	80,701	SF
PHASE 2		
1st FLOOR	54,134	SF
2nd FLOOR	34,291	SF
TOTAL	88,425	SF
FUTURE EXPANSION (ESTIMATED)		
1st FLOOR	25,866	SF

PARKING:

NOTE:
REQUIRED PARKING CALCULATED PER OWNER PROVIDED EMPLOYEE & SHIFT DATA
REFERENCE VARIANCE REQUEST SUBMITTED WITH SITE PLAN

EMPLOYEES PER SHIFT = 60 ON 50% STAGGERED/OVERLAPPING SCHEDULE

EMPLOYEE PARKING SPACES REQUIRED = 90 SPACES
VISITOR PARKING SPACES REQUIRED = 20 SPACES
TOTAL PARKING SPACES REQUIRED = 110 SPACES
TOTAL PARKING SPACES PROVIDED = 146 SPACES

ACCESSIBLE SPACES REQUIRED = 5 SPACES
ACCESSIBLE SPACES PROVIDED = 5 SPACES
*SPACES ARE INCLUDED IN TOTAL ABOVE

OWNER:

ALVAPLAST U.S. DEVELOPMENT, LLC
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1480 JUSTIN ROAD
ROCKWALL, TX 75087
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CASE NO: SP2023-009

LANDSCAPE NOTES

BELLE FIRMA
4245 North Central Expy
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#	DESCRIPTION	DATE

03/07/2023

REGISTERED LANDSCAPE ARCHITECT
KRISTI ANN HUNT
2246
STATE OF TEXAS
03.07.23

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230 972/759-1400

SPR PACKAGING

SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no

sheet
L2.02

SECTION 32 9300 - LANDSCAPE

PART 1 - GENERAL

1.1 REFERENCED DOCUMENTS

A. Refer to Landscape Plans, notes, details, bidding requirements, special provisions, and schedules for additional requirements.

1.2 DESCRIPTION OF WORK

A. Work included: Furnish all supervision, labor, materials, services, equipment and appliances required to complete the work covered in conjunction with the landscaping covered in these specifications and landscaping plans, including:

1. Planting (trees, shrubs and grasses)
2. Bed preparation and fertilization
3. Notification of sources
4. Water and maintenance until final acceptance
5. Guarantee

1.3 REFERENCE STANDARDS

A. American Standard for Nursery Stock published by American Association of Nurserymen: 27 October 1980, Edition; by American National Standards Institute, Inc. (Z60.1) – plant material

B. American Joint Committee on Horticultural Nomenclature: 1942 Edition of Standardized Plant Names.

C. Texas Association of Nurserymen, Grades and Standards

D. Hortis Third, 1976 - Cornell University

1.4 NOTIFICATION OF SOURCES AND SUBMITTALS

A. Samples: Provide representative quantities of sandy loam soil, mulch, bed mix material, gravel, crushed stone, steel edging and tree stakes. Samples shall be approved by Owner's Authorized Representative before use on the project.

1.5 JOB CONDITIONS

A. General Contractor to complete the following punch list: Prior to Landscape Contractor initiating any portion of landscape installation, General Contractor shall leave planting bed areas three (3") inches below final finish grade of sidewalks, drives and curbs as shown on the drawings. All lawn areas to receive solid sod shall be left one (1") inch below the final finish grade of sidewalks, drives and curbs. All construction debris shall be removed prior to Landscape Contractor beginning any work.

B. Storage of materials and equipment at the job site will be at the risk of the Landscape Contractor. The Owner cannot be held responsible for theft or damage.

1.6 MAINTENANCE AND GUARANTEE

A. Maintenance:

1. The Landscape Contractor shall be held responsible for the maintenance of all work from the time of planting until final acceptance by the Owner. No trees, shrubs, groundcover or grass will be accepted unless they show healthy growth and satisfactory foliage conditions.
2. Maintenance shall include watering of trees and plants, cultivation, weeding spraying, edging, pruning of trees, mowing of grass, cleaning up and all other work necessary of maintenance.
3. A written notice requesting final inspection and acceptance should be submitted to the Owner at least seven (7) days prior to completion. An on-site inspection by the Owner's Authorized Representative will be completed prior to written acceptance.

B. Guarantee:

1. Trees, shrubs and groundcover shall be guaranteed for a twelve (12) month period after final acceptance. The Contractor shall replace all dead materials as soon as weather permits and upon notification of the Owner. Plants, including trees, which have partially died so that shape, size, or symmetry have been damaged, shall be considered subject to replacement. In such cases, the opinion of the Owner shall be final.
   a. Plants used for replacement shall be of the same size and kind as those originally planted and shall be planted as originally specified. All work, including materials, labor and equipment used in replacements, shall carry a twelve (12) month guarantee. Any damage, including ruts in lawn or bed areas, incurred as a result of making replacements shall be immediately repaired.
   b. At the direction of the Owner, plants may be replaced at the start of the next year's planting season. In such cases, dead plants shall be removed from the premises immediately.
   c. When plant replacements are made, plants, soil mix, fertilizer and mulch are to be utilized as originally specified and re-inspected for full compliance with the contract requirements. All replacements are to be included under "Work" of this section.
2. The Owner agrees that for the guarantee to be effective, he will water plants at least twice a week during dry periods and cultivate beds once a month after final acceptance.
3. The above guarantee shall not apply where plants die after acceptance because of injury from storms, hail, freeze, insects, diseases, injury by humans, machines or theft.
4. Acceptance for all landscape work shall be given after final inspection by the Owner provided the job is in a complete, undamaged condition and there is a stand of grass in all lawn areas. At that time, the Owner will assume maintenance on the accepted work.

C. Repairs: Any necessary repairs under the Guarantee must be made within ten (10) days after receiving notice, weather permitting. In the event the Landscape Contractor does not make repairs accordingly, the Owner, without further notice to Contractor, may provide materials and men to make such repairs at the expense to the Landscape Contractor.

1.7 QUALITY ASSURANCE

A. General: Comply with applicable federal, state, county and local regulations governing landscape materials and work.

B. Personnel: Employ only experienced personnel who are familiar with the required work. Provide full time supervision by a qualified foreman acceptable to Landscape Architect.

C. Selection of Plant Material:
1. Make contact with suppliers immediately upon obtaining notice of contract acceptance to select and book materials. Develop a program of maintenance (pruning and fertilization) which will ensure the purchased materials will meet and / or exceed project specifications.
2. Substitutions: Do not make plant material substitutions. If the specified landscape material is not obtainable, submit proof of non-availability to Landscape Architect, together with proposal for use of equivalent material. At the time bids are submitted, the Contractor is assumed to have located the materials necessary to complete the job as specified.
3. Landscape Architect will provide a key identifying each tree location on site. Written verification will be required to document material selection, source and delivery schedules to site.
4. Measurements: Measure trees with branches and trunks or canes in their normal position. Do not prune to obtain required sizes. Take caliper measurements six inches above ground for trees up to and including 4" caliper size, and twelve inches above ground for larger sizes. Measure main body of all plant material of height and spread dimensions, do not measure from branch or root tip-to-tip.
5. Owner's Authorized Representative shall inspect all plant material with requirements for genus, species, cultivar / variety size and quality.
6. Owner's Authorized Representative retains the right to further inspect all plant material upon arrival to the site and during installation for size and condition of root balls and root systems, limbs, branching habit, insects, injuries and latent defects.
7. Owner's Authorized Representative may reject unsatisfactory or defective material at any time during the process work. Remove rejected materials immediately from the site and replace with acceptable material at no additional cost to the Owner. Plants damaged in transit or at job site shall be rejected.

1.8 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Preparation:
1. Balled and Burlapped (B&B) Plants: Dig and prepare shipment in a manner that will not damage roots, branches, shape and future development.
2. Container Grown Plants: Deliver plants in rigid container to hold ball shape and protect root mass.

B. Delivery:
1. Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored on site.
2. Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on job site.
3. Protect root balls by heeling in with sawdust or other approved moisture retaining material if not planted within 24 hours of delivery.
4. Protect plants during delivery to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.
5. Notify Owner's Authorized Representative of delivery schedule 72 hours in advance job site.
6. Remove rejected plant material immediately from job site.
7. To avoid damage or stress, do not lift, move, adjust to plumb, or otherwise manipulate plants by trunk or stems.

PART 2 - PRODUCTS

2.1 PLANTS

A. General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Plant spread refers to nominal outer width of the plant, not to the outer leaf tips. Plants will be individually approved by the Owner's Authorized Representative and his decision as to their acceptability shall be final.

B. Quantities: The drawings and specifications are complimentary. Anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan.

C. Quality and size: Plant materials shall conform to the size given on the plan, and shall be healthy, symmetrical, well-shaped, full branched and well rooted. The plants shall be free from injurious insects, diseases, injuries to the bark or roots, broken branches, objectionable disfigurements, insect eggs and larvae, and are to be of specimen quality.

D. Approval: All plants which are found unsuitable in growth, or are in any unhealthy, badly shaped or undersized condition will be rejected by the Owner's Authorized Representative either before or after planting and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plant as specified at no additional cost to the Owner.

E. Trees shall be healthy, full-branched, well-shaped, and shall meet the minimum trunk and diameter requirements of the plant schedule. Balls shall be firm, neat, slightly tapered and well wrapped in burlap. Any tree loose in the ball or with a broken root ball at time of planting will be rejected. Balls shall be ten (10") inches in diameter for each one (1") inch of trunk diameter, measured six (6") inches above ball. (Nomenclature confirms to the customary nursery usage. For clarification, the term "multi-trunk" defines a plant having three (3) or more trunks of nearly equal diameter.)

F. Pruning: All pruning of trees and shrubs, as directed by the Landscape Architect prior to final acceptance, shall be executed by the Landscape Contractor at no additional cost to the Owner.

2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam:
1. Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones and other extraneous material and reasonably free of weeds and foreign grasses. Loam containing Dallasgrass or Nutgrass shall be rejected.
2. Physical properties as follows:
   a. Clay – between 7-27 percent
   b. Silt – between 15-25 percent
   c. Sand – less than 52 percent
3. Organic matter shall be 3%-10% of total dry weight.
4. If requested, Landscape Contractor shall provide a certified soil analysis conducted by an approved soil testing laboratory verifying that sandy loam meets the above requirements.

B. Organic Material: Compost with a mixture of 80% vegetative matter and 20% animal waste. Ingredients should be a mix of course and fine textured material.

C. Premixed Bedding Soil as supplied by Vital Earth Resources, Gladewater, Texas; Professional Bedding Soil as supplied by Living Earth Technology, Dallas, Texas or Acid Gro Municipal Mix as supplied by Soil Building Systems, Dallas, Texas or approved equal.

D. Sharp Sand: Sharp sand must be free of seeds, soil particles and weeds.

E. Mulch: Double Shredded Hardwood Mulch, partially decomposed, dark brown. Living Earth Technologies or approved equal.

F. Organic Fertilizer: Fertilaid, Sustane, or Green Sense or equal as recommended for required applications. Fertilizer shall be delivered to the site in original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.

G. Commercial Fertilizer: 10-20-10 or similar analysis. Nitrogen source to be a minimum 50% slow release organic Nitrogen (SCU or UF) with a minimum 8% sulfur and 4% iron, plus micronutrients.

H. Peat: Commercial sphagnum peat moss or partially decomposed shredded pine bark or other approved organic material.

2.3 MISCELLANEOUS MATERIALS

A. Steel Edging: All steel edging shall be 3/16" thick x 4" deep x 16' long with 6 stakes per section, painted black at the factory as manufactured by The J.D. Russell Company and under its trade name DURAEDGE Heavy Duty Steel.

B. Staking Material for Shade Trees: refer to details.

C. Gravel: Washed native pea gravel, graded 1 inch to 1-1/2 inch.

D. Filter Fabric: 'Mirafi Mirascape' by Mirafi Construction Products available at Lone Star Products, Inc., (469) 523-0444 or approved equal.

E. River Rock: 'Colorado' or native river rock, 2" - 4" dia.

F. Decomposed Granite: Base material shall consist of a natural material mix of granite aggregate not to exceed 1/8" diameter in size and shall be composed of various stages of decomposed earth base.

PART 3 - EXECUTION

3.1 BED PREPARATION & FERTILIZATION

A. Landscape Contractor to inspect all existing conditions and report any deficiencies to the Owner.

B. All planting areas shall be conditioned as follows:
1. Prepare new planting beds by scraping away existing grass and weeds as necessary. Till existing soil to a depth of six (6") inches prior to placing compost and fertilizer. Apply fertilizer as per Manufacturer's recommendations. Add six (6") inches of compost and till into a depth of six (6") inches of the topsoil. Apply organic fertilizer such as Sustane or Green Sense at the rate of twenty (20) pounds per one thousand (1,000) square feet.
2. All planting areas shall receive a two (2") inch layer of specified mulch.
3. Backfill for tree pits shall be as follows: Use existing top soil on site (use imported topsoil as needed) free from large clumps, rocks, debris, caliche, subsoils, etc., placed in nine (9") inch layers and watered in thoroughly.

C. Grass Areas:
1. Blocks of sod should be laid joint to joint (staggered joints) after fertilizing the ground first. Roll grass areas to achieve a smooth, even surface. The joints between the blocks of sod should be filled with topsoil where they are evidently gaped open, then watered thoroughly.

3.2 INSTALLATION

A. Maintenance of plant materials shall begin immediately after each plant is delivered to the site and shall continue until all construction has been satisfactorily accomplished.

B. Plant materials shall be delivered to the site only after the beds are prepared and areas are ready for planting. All shipments of nursery materials shall be thoroughly protected from the drying winds during transit. All plants which cannot be planted at once, after delivery to the site, shall be well protected against the possibility of drying by wind and Balls of earth of B & B plants shall be kept covered with soil or other acceptable material. All plants remain the property of the Contractor until final acceptance.

C. Position the trees and shrubs in their intended location as per plan.

D. Notify the Owner's Authorized Representative for inspection and approval of all positioning of plant materials.

E. Excavate pits with vertical sides and horizontal bottom. Tree pits shall be large enough to permit handling and planting without injury to balls of earth or roots and shall be of such depth that,when planted and settled, the crown of the plant shall bear the same relationship to the finish grade as it did to soil surface in original place of growth.

F. Shrub and tree pits shall be no less than twenty-four (24") inches wider than the lateral dimension of the earth ball and six (6") inches deeper than it's vertical dimension. Remove and haul from site all rocks and stones over three-quarter (¾") inch in diameter. Plants should be thoroughly moist before removing containers.

G. Dig a wide, rough sided hole exactly the same depth as the height of the ball, especially at the surface of the ground. The sides of the hole should be rough and jagged, never slick or glazed.

H. Percolation Test: Fill the hole with water. If the water level does not percolate within 24 hours, the tree needs to move to another location or have drainage added. Install a PVC stand pipe per tree planting detail as approved by the Landscape Architect if the percolation test fails.

I. Backfill only with 5 parts existing soil or sandy loam and 1 part bed preparation. When the hole is dug in solid rock, topsoil from the same area should not be used. Carefully settle by watering to prevent air pockets. Remove the burlap from the top ⅓ of the ball, as well as all nylon, plastic string and wire. Container trees will usually be root bound, if so follow standard nursery practice of 'root scoring'.

J. Do not wrap trees.

K. Do not over prune.

L. Mulch the top of the ball. Do not plant grass all the way to the trunk of the tree. Leave the area above the top of the ball and mulch with at least two (2") inches of specified mulch.

M. All plant beds and trees to be mulched with a minimum settled thickness of two (2") inches over the entire bed or pit.

N. Obstruction below ground: In the event that rock, or underground construction work or obstructions are encountered in any plant pit excavation work to be done under this section, alternate locations may be selected by the Owner. Where locations cannot be changed, the obstructions shall be removed to a depth of not less than three (3') feet below grade and no less than six (6") inches below the bottom of ball when plant is properly set at the required grade. The work of this section shall include the removal from the site of such rock or underground obstructions encountered at the cost of the Landscape Contractor.

O. Trees and large shrubs shall be staked as site conditions require. Position stakes to secure trees against seasonal prevailing winds.

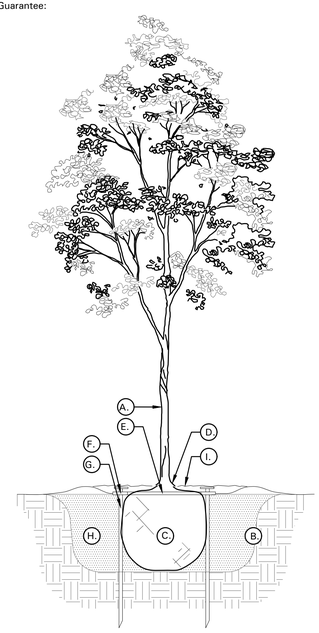
P. Pruning and Mulching: Pruning shall be directed by the Landscape Architect and shall be pruned in accordance with standard horticultural practice following Fine Pruning, Class I pruning standards provided by the National Arborist Association.
1. Dead wood, suckers, broken and badly bruised branches shall be removed. General tipping of the branches is not permitted. Do not cut terminal branches.
2. Pruning shall be done with clean, sharp tools.
3. Immediately after planting operations are completed, all tree pits shall be covered with a layer of organic material two (2") inches in depth. This limit of the organic material for trees shall be the diameter of the plant pit.

Q. Steel Curbing Installation:
1. Curbing shall be aligned as indicated on plans. Stake out limits of steel curbing and obtain Owners approval prior to installation.
2. All steel curbing shall be free of kinks and abrupt bends.
3. Top of curbing shall be ½" maximum height above final finished grade.
4. Stakes are to be installed on the planting bed side of the curbing, as opposed to the grass side.
5. Do not install steel edging along sidewalks or curbs.
6. Cut steel edging at 45 degree angle where edging meets sidewalks or curbs.

3.3 CLEANUP AND ACCEPTANCE

A. Cleanup: During the work, the premises shall be kept neat and orderly at all times. Storage areas for all materials shall be so organized so that they, too, are neat and orderly. All trash and debris shall be removed from the site as work progresses. Keep paved areas clean by sweeping or hosing them at end of each work day.

END OF SECTION



01 TREE PLANTING DETAIL
NOT TO SCALE

TREE PLANTING DETAIL LEGEND AND NOTES

A. TREE: TREES SHALL CONFORM WITH LATEST AMERICAN STANDARD FOR NURSERY STOCK. www.anla.org

B. TREE PIT: WIDTH TO BE AT LEAST TWO (2) TIMES THE DIAMETER OF THE ROOT BALL CENTER TREE IN HOLE & REST ROOT BALL ON UNDISTURBED NATIVE SOIL.

C. ROOT BALL: REMOVE TOP ⅓ BURLAP AND ANY OTHER FOREIGN OBJECT; CONTAINER GROWN STOCK TO BE INSPECTED FOR GIRDLING ROOTS.

D. ROOT FLARE: ENSURE THAT ROOT FLARE IS EXPOSED, FREE FROM MULCH, AND AT LEAST TWO INCHES ABOVE GRADE. TREES SHALL BE REJECTED WHEN GIRDLING ROOTS ARE PRESENT & ROOT FLARE IS NOT APPARENT.

E. ROOTBALL ANCHOR RING: REFER TO MANUFACTURER'S GUIDELINES FOR SIZING. PLACE ROOTBALL ANCHOR RING ON BASE OF ROOTBALL, TRUNK SHOULD BE IN THE CENTER OF THE RING.

F. ROOT ANCHOR BY TREE STAKE SOLUTIONS.

G. NAIL STAKE: REFER TO MANUFACTURER'S GUIDELINES FOR SIZING. INSTALL NAIL STAKES WITH HAMMER OR MALLET FIRMLY INTO UNDISTURBED GROUND. DRIVE NAIL STAKES FLUSH WITH "U" BRACKET ADJACENT TO ROOTBALL (DO NOT DISTURB ROOTBALL).

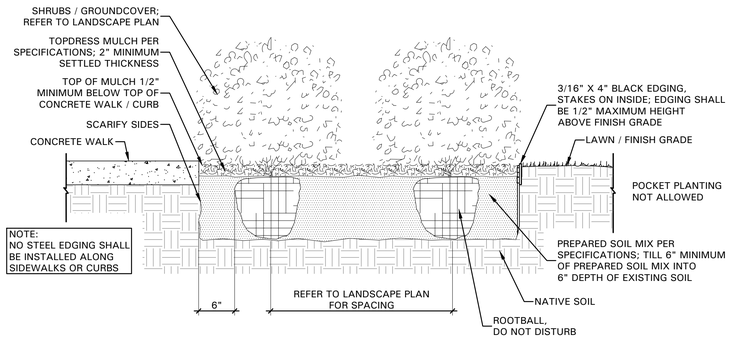
H. BACKFILL: USE EXISTING NATIVE SOIL (no amendments) WATER THOROUGHLY TO ELIMINATE AIR POCKETS.

I. MULCH: DOUBLE SHREDDED HARDWOOD MULCH 2 INCH SETTLED THICKNESS, WITH 2" HT. WATERING RING; ENSURE THAT ROOT FLARE IS EXPOSED. BELOW GROUND STAKE SHOULD NOT BE VISIBLE.

J. TREE STAKES:
TREE STAKE SOLUTIONS 'SAFETY STAKE' BELOW GROUND MODEL AVAILABLE FROM:
Tree Stake Solutions
ATTN: Jeff Tuley
(903) 676-6143
jeff@treestakesolutions.com
www.treestakesolutions.com

OR APPROVED EQUAL. TREES SHALL BE STAKED BELOW GROUND WHERE NECESSARY; ABOVE GROUND STAKING IS EXPRESSLY PROHIBITED.

K. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A COPY OF THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION OF TREE STAKES. CONTRACTOR SHALL ADHERE TO MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND OTHER REQUIREMENTS FOR TREE STAKE INSTALLATION.



02 SHRUB / GROUNDCOVER DETAIL
NOT TO SCALE

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469. 402. 1232

ARCHITECT:
PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972. 759. 1400

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved Commission of the City of Rockwall on the _____ day of _____ , _____

WITNESS OUR HANDS , this _____ day of _____ , _____.

Planning & Zoning Commission, Chairman | *Director of Planning and Zoning*

CASE NO: SP2023-009

LANDSCAPE SPECIFICATIONS AND DETAILS

BELLE FIRMA
4245 North Central Expy
Suite 501
Dallas, Texas 75205
214.865.7192 office

drawn: TJM
checked KAH
date 03/07/2023

#	DATE	DESCRIPTION

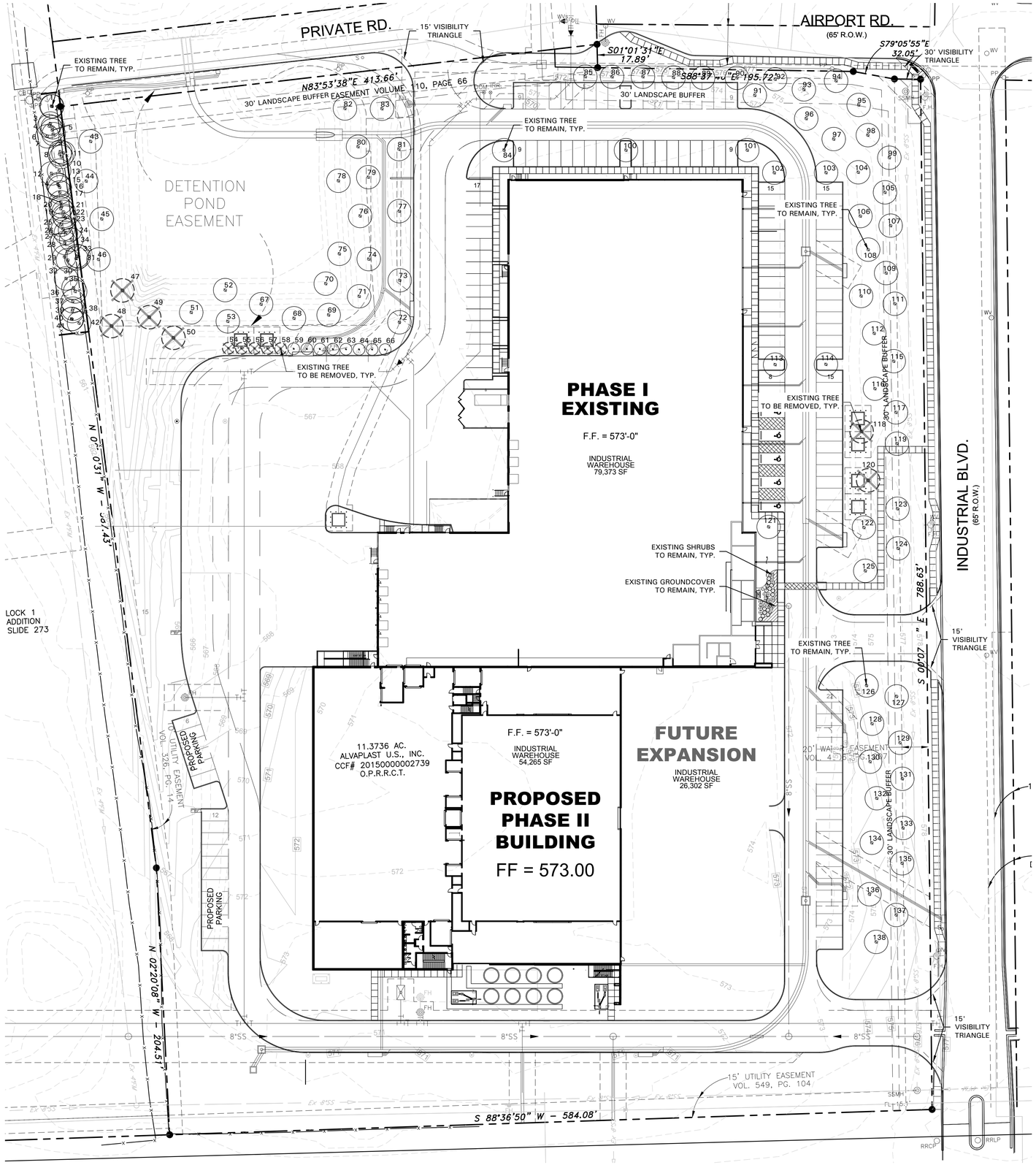
03/07/2023

REGISTERED LANDSCAPE ARCHITECT
BRIAN HAIL
2246
STATE OF TEXAS
03.07.23

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230 972/759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no
sheet
L2.03



EXISTING TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION FENCING TO REMAIN DURING CONSTRUCTION REFER TO 01/L1.01
- EXISTING SHRUBS TO REMAIN

TREE PRESERVATION NOTES

1. EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION FROM TREE STRUCTURE DAMAGE AND COMPACTION OF SOIL UNDER AND AROUND DRIP LINE (CANOPY) OF TREE.
2. IF ANY ROOT STRUCTURE IS DAMAGED DURING ADJACENT EXCAVATION / CONSTRUCTION, NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY. IT IS RECOMMENDED THAT A LICENSED ARBORIST BE SECURED FOR THE TREATMENT OF ANY POSSIBLE TREE WOUNDS.
3. NO DISTURBANCE OF THE SOIL GREATER THAN 4" SHALL BE LOCATED CLOSER TO THE TREE TRUNK THAN 1/2 THE DISTANCE OF THE DRIP LINE TO THE TREE TRUNK. A MINIMUM OF 75% OF THE DRIP LINE AND ROOT ZONE SHALL BE PRESERVED AT NATURAL GRADE.
4. ANY FINE GRADING DONE WITHIN THE CRITICAL ROOT ZONES OF THE PROTECTED TREES MUST BE DONE WITH LIGHT MACHINERY SUCH AS A BOBCAT OR LIGHT TRACTOR. NO EARTH MOVING EQUIPMENT WITH TRACKS IS ALLOWED WITHIN THE CRITICAL ROOT ZONE OF THE TREES.
5. NO MATERIALS INTENDED FOR USE IN CONSTRUCTION OR WASTE MATERIALS ACCUMULATED DUE TO EXCAVATION OR DEMOLITION SHALL BE PLACED WITHIN THE LIMITS OF THE DRIP LINE OF ANY TREE.
6. NO EQUIPMENT MAY BE CLEANED OR TOXIC SOLUTIONS, OR OTHER LIQUID CHEMICALS, SHALL BE DEPOSITED WITHIN THE LIMITS OF THE DRIP LINE OF A TREE, INCLUDING BUT NOT LIMITED TO: PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR, PRIMERS, ETC.
7. NO SIGNS, WIRES OR OTHER ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY TREE.
8. NO VEHICULAR / CONSTRUCTION EQUIPMENT TRAFFIC OR PARKING IS ALLOWED WITHIN THE LIMITS OF THE DRIP LINE OF TREES.
9. BORING OF UTILITIES MAY BE PERMITTED UNDER PROTECTED TREES IN CERTAIN CIRCUMSTANCES. THE MINIMUM LENGTH OF THE BORE SHALL BE THE WIDTH OF THE TREE'S CANOPY AND SHALL BE A MINIMUM DEPTH OF FORTY-EIGHT (48") INCHES.
10. IRRIGATION TRENCHING WHICH MUST BE DONE WITHIN THE CRITICAL ROOT ZONE OF A TREE SHALL BE DUG BY HAND AND ENTER THE AREA IN A RADIAL MANNER.
11. ALL TREES TO BE REMOVED FROM THE SITE SHALL BE FLAGGED BY THE CONTRACTOR WITH BRIGHT RED VINYL TAPE (3" WIDTH) WRAPPED AROUND THE MAIN TRUNK AT A HEIGHT OF FOUR (4') FEET ABOVE GRADE. FLAGGING SHALL BE APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO ANY TREE REMOVAL. CONTRACTOR SHALL CONTACT OWNER'S AUTHORIZED REPRESENTATIVE WITH 72 HOURS NOTICE TO SCHEDULE ON-SITE MEETING.
12. ALL TREES TO REMAIN, AS NOTED ON DRAWINGS, SHALL HAVE PROTECTIVE FENCING LOCATED AT THE TREE'S DRIP LINE. THE PROTECTIVE FENCING MAY BE COMPRISED OF SNOW FENCING, ORANGE VINYL CONSTRUCTION FENCING, CHAIN LINK FENCE OR OTHER SIMILAR FENCING WITH A FOUR (4') FOOT APPROXIMATE HEIGHT. THE PROTECTIVE FENCING SHALL BE LOCATED AS INDICATED ON THE TREE PROTECTION DETAIL.
13. WHEN A LOW HANGING LIMB IS BROKEN DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR PRUNE ANY PORTION OF THE DAMAGED TREE WITHOUT THE PRIOR APPROVAL BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

CITY OF ROCKWALL NOTES

1. **NO TREES WITHIN 5'-0" OF ANY UTILITIES**
2. **IRRIGATION SYSTEM WILL MEET REQUIREMENTS IN THE UDC**

OWNER:

ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469. 402. 1232

ARCHITECT:

PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972. 759. 1400

APPROVED:

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved Commission of the City of Rockwall on the _____ day of _____ , _____

WITNESS OUR HANDS , this _____ day of _____ , _____.

Planning & Zoning Commission, Chairman — *Director of Planning and Zoning*

CASE NO: SP2023-009

TREE PRESERVATION PLAN

SCALE: 1" = 40'-0"
0 20 40 80

BELLE FIRMA
4245 North Central Expy
Suite 501
Dallas, Texas 75205
214.865.7192 office

drawn: TJM
checked KH
date 03/07/2023

#	DESCRIPTION	DATE

03/07/2023

REGISTERED LANDSCAPE ARCHITECT
KRISTI ANN HUNT
2246
STATE OF TEXAS
03.07.23

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230, 972/759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no

sheet
L1.01

TREE SURVEY FIELD DATA

No.	Dia. (inches)	Species (common name)	Status	Condition	Remarks	Protection Status	Mitigation Required
1	7	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
2	6	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
3	5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
4	6	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
5	15	HACKBERRY	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
6	7	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
7	7.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
8	12	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
9	11	HACKBERRY	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
10	12	HACKBERRY	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
11	8.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
12	12	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
13	8	BOIS D'ARC	TO REMAIN	POOR	OFFSITE	NON-PROTECTED	
14	7	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
15	6	EASTERN RED CEDAR	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
16	9	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
17	10	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
18	10	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
19	14	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
20	10	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
21	5	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
22	12	EASTERN RED CEDAR	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
23	6.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
24	6	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
25	6.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
26	11	HACKBERRY	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
27	4	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
28	15	HACKBERRY	TO REMAIN	GOOD	OFFSITE	SECONDARY PROTECTED	
29	7	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
30	10	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
31	7.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
32	9	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
33	13.5	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
34	10	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
35	9.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
36	17.5	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
37	4	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
38	9.5	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
39	9.5	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
40	4	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
41	10	HACKBERRY	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
42	5	BOIS D'ARC	TO REMAIN	GOOD	OFFSITE	NON-PROTECTED	
43	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
44	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
45	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
46	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
47	3	CHINKAPIN OAK	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
48	3	BALD CYPRESS	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
49	3	BALD CYPRESS	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
50	3	BALD CYPRESS	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
51	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
52	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
53	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
54	3	EASTERN RED CEDAR	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
55	3	EASTERN RED CEDAR	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
56	3	EASTERN RED CEDAR	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
57	3	EASTERN RED CEDAR	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
58	3	EASTERN RED CEDAR	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
59	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
60	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
61	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
62	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
63	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
64	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
65	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
66	3	EASTERN RED CEDAR	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
67	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
68	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
69	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
70	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
71	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
72	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
73	3	CHINKAPIN OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
74	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
75	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
76	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
77	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
78	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
79	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
80	3	BALD CYPRESS	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
81	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
82	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
83	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
84	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
85	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
86	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
87	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
88	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
89	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
90	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
91	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
92	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
93	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
94	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
95	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
96	3	BUR OAK	TO REMAIN	POOR	ON-SITE	NON-PROTECTED	
97	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
98	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
99	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
100	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
101	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
102	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
103	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
104	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
105	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
106	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
107	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
108	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
109	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
110	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
111	3	SHUMARD OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
112	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
113	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
114	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
115	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
116	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
117	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
118	3	LIVE OAK	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
119	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
120	3	CEDAR ELM	TO BE REMOVED	GOOD	ON-SITE	NON-PROTECTED	
121	3	LACEBARK ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
122	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
123	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
124	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
125	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
126	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
127	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
128	3	BUR OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
129	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
130	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
131	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
132	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
133	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
134	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
135	3	LIVE OAK	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
136	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
137	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	
138	3	CEDAR ELM	TO REMAIN	GOOD	ON-SITE	NON-PROTECTED	

Total Caliper Inches on Site	**663.00**
Total Caliper Inches Removed	**33.00**
Total Mitigation Inches Required	**0.00**
Total Mitigation Inches Provided (Refer to Landscape Plans)	**0.00**
Total Mitigation Inches Remaining	**0.00**
Tree Preservation Credits Purchased (100% of total mitigation inches paid at $100/inch)	**0.00**
	$0.00

OWNER:

ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469. 402. 1232

ARCHITECT:

PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972. 759. 1400

APPROVED:

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved Commission of the City of Rockwall on the _________ day of _________ , _________

WITNESS OUR HANDS , this _______ day of ___________ , __________.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

CASE NO: SP2023-009

TREE PRESERVATION NOTES

BELLE FIRMA
4245 North Central Expy
Suite 501
Dallas, Texas 75205
214.865.7192 office

drawn: TJM
checked KAH
date 03/07/2023

#	DATE	DESCRIPTION

03/07/2023

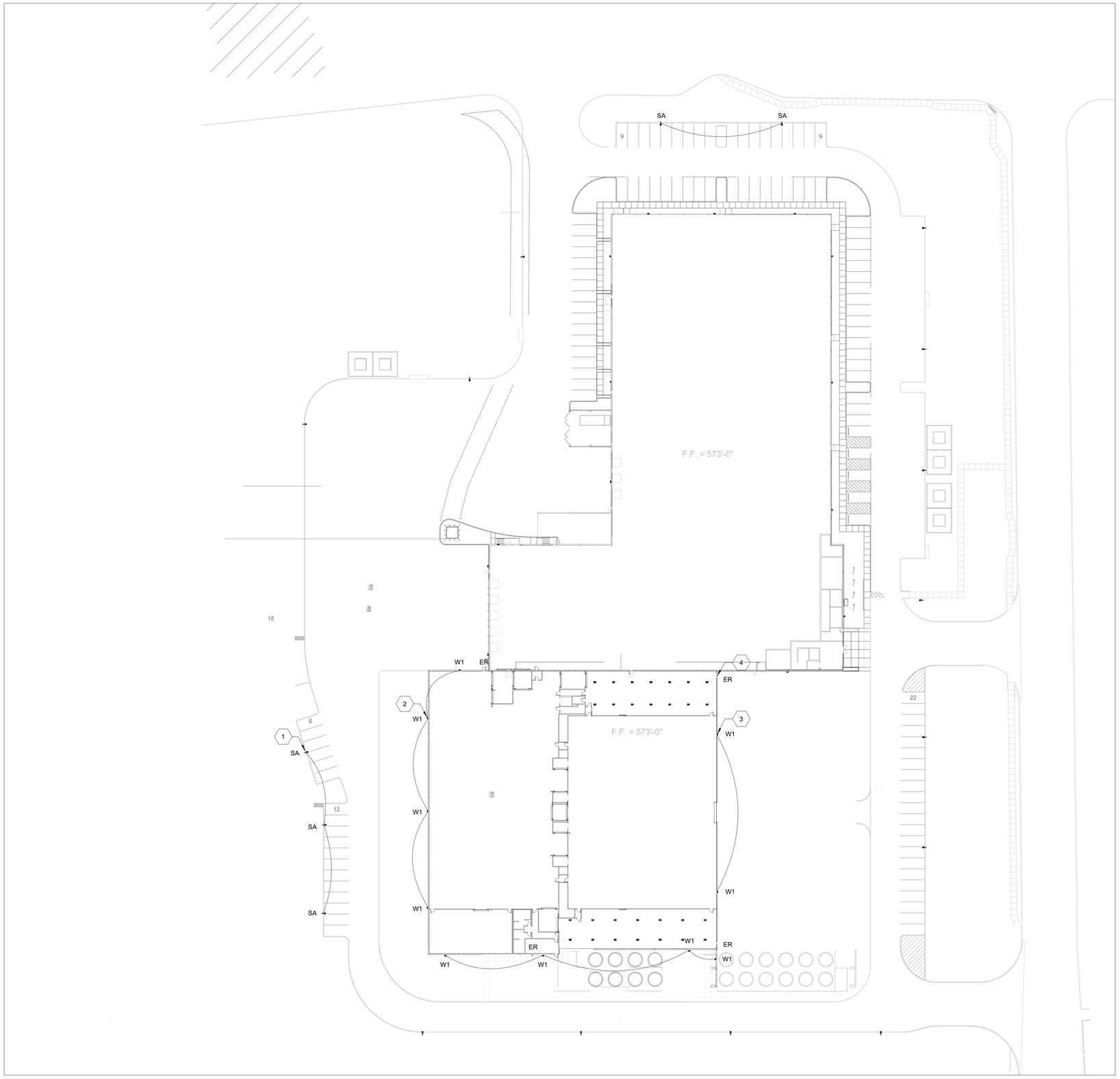
REGISTERED LANDSCAPE ARCHITECT
LORI ANN HAUG
2246
STATE OF TEXAS
03.07.23

pross design group, incorporated
5310 Harvest Hill Road, Suite 180, Dallas, Texas 75230. 972/759-1400

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no

sheet
L1.02



OVERALL PLAN - FIRST FLOOR
SCALE: 1" = 40'-0"

1
E1.0

DRAWING NOTES

DRAWING E1.0

1 MOUNT TOP OF LIGHTING FIXTURE AT 25'-0" TO MATCH EXISTING SITE LIGHTING. MATCH EXISTING SQUARE STRAIGHT STEEL LIGHT POLE. CATALOG NUMBER SSS-25-4C-DM19AS-DDBXD.

2 MOUNT FIXTURE ABOVE SECOND FLOOR WINDOWS. COORDINATE WITH OWNER TO VERIFY EXACT MOUNTING HEIGHT.

3 MOUNT FIXTURE AT 27'-0" AFF TO MATCH EXISTING SITE LIGHTING HEIGHT.

4 MOUNT OVERHEAD FIXTURES +1'-0" ABOVE DOORWAY.

GENERAL NOTES

APPLIES TO ALL DRAWINGS OF THIS TRADE

A FOR GENERAL NOTES, LEGEND AND SYMBOLS SEE DRAWING E0.1.

B FOR LIGHTING INFORMATION AND LUMINAIRE SCHEDULE SEE DRAWING E7.1.

C EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE PROVIDED WITH AN UNSWITCHED "HOT" TO PROVIDE CONTINUOUS POWER TO THE FIXTURE EVEN WHEN OFF.

D PROVIDE ALL MOUNTING HARDWARE FOR LIGHTING FIXTURES INCLUDING CABLING, MOUNTING BRACKETS, ETC. AS REQUIRED.

SITE DATA:

CURRENT ZONING: (LI) LIGHT INDUSTRIAL
PROPOSED LAND USE: OFFICE, WAREHOUSE, MANUFACTURING
TOTAL SITE AREA: 11.37 AC. (495,340 SF)

BUILDING:

PHASE 1		
1st FLOOR EXISTING	78,682	SF
2nd FLOOR EXISTING	536	SF
2nd FLOOR NEW	1,483	SF
	80,701	SF
PHASE 2	54,134	SF
1st FLOOR	34,291	SF
2nd FLOOR	88,425	SF
TOTAL		
FUTURE EXPANSION (ESTIMATED)	25,866	SF
1st FLOOR		

PARKING:

NOTE:
REQUIRED PARKING CALCULATED PER OWNER PROVIDED EMPLOYEE & SHIFT DATA
REFERENCE VARIANCE REQUEST SUBMITTED WITH SITE PLAN

EMPLOYEES PER SHIFT = 60 ON 50% STAGGERED/OVERLAPPING SCHEDULE

EMPLOYEE PARKING SPACES REQUIRED = 90 SPACES
VISITOR PARKING SPACES REQUIRED = 20 SPACES
TOTAL PARKING SPACES REQUIRED = 110 SPACES
TOTAL PARKING SPACES PROVIDED = 146 SPACES

ACCESSIBLE SPACES REQUIRED = 5 SPACES
ACCESSIBLE SPACES PROVIDED = 5 SPACES
*SPACES ARE INCLUDED IN TOTAL ABOVE

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469.402.1232

ARCHITECT:
PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972.759.1400

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _____day of_____,_____

WITNESS OUR HANDS , this _____day of_____.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

CASE NO: SP2023-009

drawn: LSTAM
checked MHOLD
date 03/07/2023

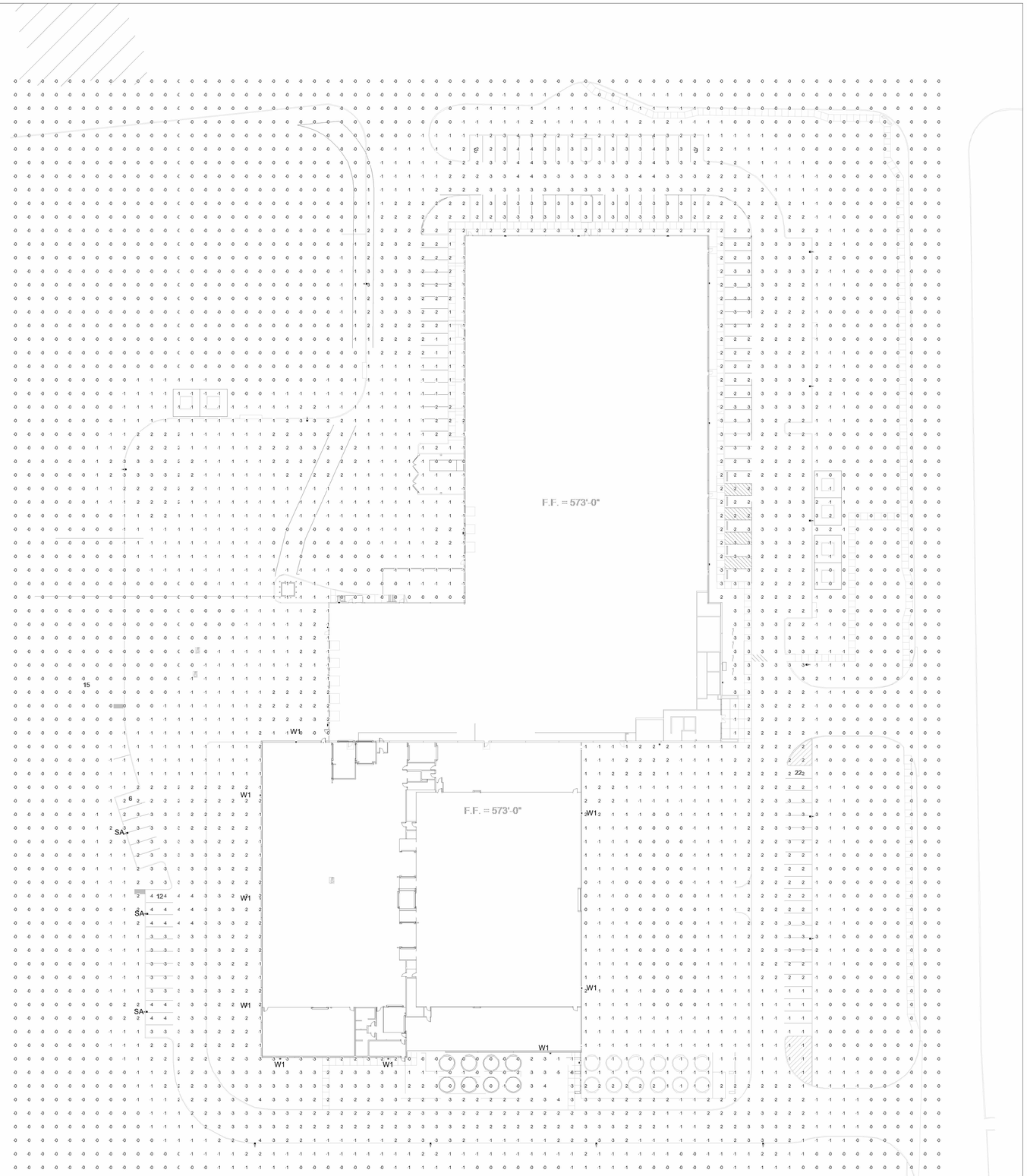
#	DATE	DESCRIPTION
2	02/17/2023	ISSUED FOR SITE SUBMITTAL
1	03/07/2023	ISSUED FOR SITE SUBMITTAL

03/07/2023

THERMALTECH ENGINEERING
FACILITY AND UTILITY SYSTEMS
ANALYSIS/DESIGN/CONSTRUCTION
513-561-2271 • WWW.THERMALTECH.COM
CINCINNATI, OH • ELIZABETHTOWN, PA • FORT WORTH, TX • LAWRENCEBURG, IN
ROCKLAND, MI • GRAND RAPIDS, MI • MEMPHIS, TN

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no 13597.030
ELECTRICAL
E1.0



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1
E1.1

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WITNESS OUR HANDS , this _____day of_____,_____.

Planning & Zoning Commission, Chairman *Director of Planning and Zoning*

CASE NO: SP2023-009

#	DATE	DESCRIPTION
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drawn: LSTAM
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RICHLAND, MI • GRAND RAPIDS, MI • MEMPHIS, TN

SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no 13597.030
ELECTRICAL
E1.1

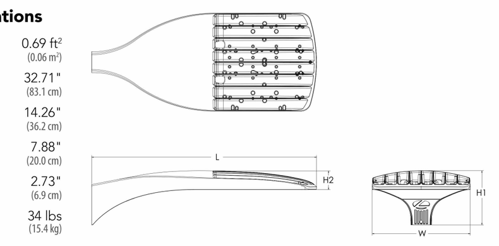
D-Series Size 1
LED Area Luminaire

Catalog Number: DSX1 LED P6 50K 70CRI T4M MVOLT SPA PIR BSDB DDBXD
Notes: 163W
Type: SA

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

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature[2]	Color Rendering Index[2]	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1, P2, P3, P4, P5, P6, P7, P8, P9; **Rotated optics** P10[1], P11[1], P12[1], P13[1]	(this section 70CRI only) 30K 3000K, 40K 4000K, 50K 5000K; (this section 80CRI only, extended lead times apply) 27K 2700K, 30K 3000K, 35K 3500K, 40K 4000K, 50K 5000K	70CRI, 70CRI, 70CRI; 80CRI, 80CRI, 80CRI, 80CRI, 80CRI	AFR Automotive front row; T1S Type I short; T2M Type II medium; T3M Type III medium; T3LG Type III low glare[3]; T4M Type IV medium; T4LG Type IV low glare[3]; TFTM Forward throw medium; T5M Type V medium; T5LG Type V low glare; T5W Type V wide; BLC3 Type III backlight control[3]; BLC4 Type IV backlight control[3]; LCCO Left corner cutoff[3]; RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4]; HVOLT (347V-480V)[5,6]; XVOLT (277V - 480V)[7,8]	**Shipped included** SPA Square pole mounting (#8 drilling); RPA Round pole mounting (#8 drilling); SPA5 Square pole mounting #5 drilling[9]; RPA5 Round pole mounting #5 drilling[9]; SPA8N Square narrow pole mounting #8 drilling; WBA Wall bracket[10]

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[11,12,20,21]; PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[13,20,21]; PER NEMA twist-lock receptacle only (controls ordered separate)[14]; PER5 Five-pin receptacle only (controls ordered separate)[14,21]; PER7 Seven-pin receptacle only (controls ordered separate)[14,21]; FAO Field adjustable output[15,21]; BL30 Bi-level switched dimming, 30%[16,21]; BL50 Bi-level switched dimming, 50%[16,21]; DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]; DS Dual switching[18,19,21]	**Shipped installed** SPD20KV 20KV surge protection; HS Houseside shield (black finish standard)[22]; L90 Left rotated optics[1]; R90 Right rotated optics[1]; CCE Coastal Construction[23]; **Shipped separately** EGSR External Glare Shield (reversible, field install required, matches housing finish); BSDB Bird Spikes (field install required)	DDBXD Dark Bronze; DBLXD Black; DNAXD Natural Aluminum; DWHXD White; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white

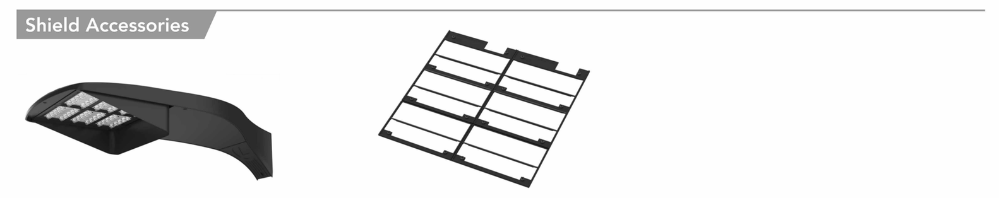
Ordering Information

Accessories
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[24]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[24]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[24]
DSHORT SBK	Shorting cap[24]
DSX1HS P#	House-side shield (enter 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGS (FINISH)	External glare shield

NOTES
1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGS. Contact Technical Support for availability.
24 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

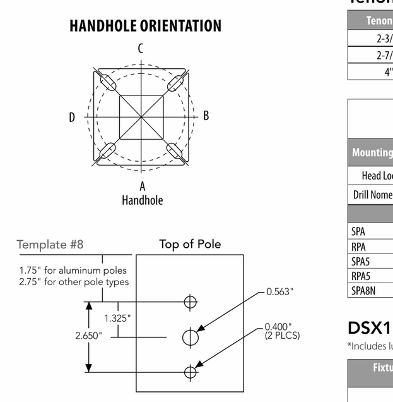
Shield Accessories



External Glare Shield (EGS)

House Side Shield (HS)

Drilling



HANDHOLE ORIENTATION

Template #8 — Top of Pole

1.75" for aluminum poles; 2.75" for other pole types; 1.325"; 2.650"; 0.563"; 0.400" (2 PLCS)

Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

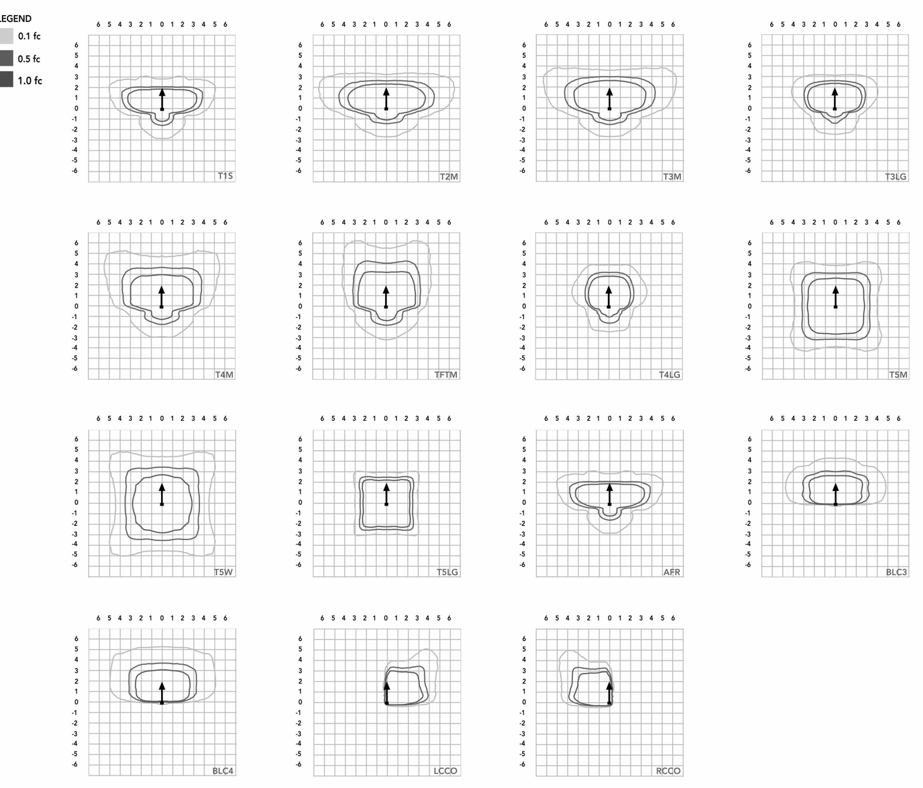
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

Photometric Diagrams

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

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').



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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

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	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

Current (A) columns: 120V–480V.

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
30	530	P1	51W	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
30	700	P2	68W	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
30	1050	P3	102W	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
30	1250	P4	124W	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
30	1400	P5	138W	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
40	1250	P6	165W	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
40	1400	P7	184W	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,631	5	0	5	85	---	---	---	---	---	---	---	---	---	---
				LCCO	15,641	1	0	3	85	---	---	---	---	---	---	---	---	---	---
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
60	1100	P8	216W	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
60	1400	P9	277W	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

Performance Data

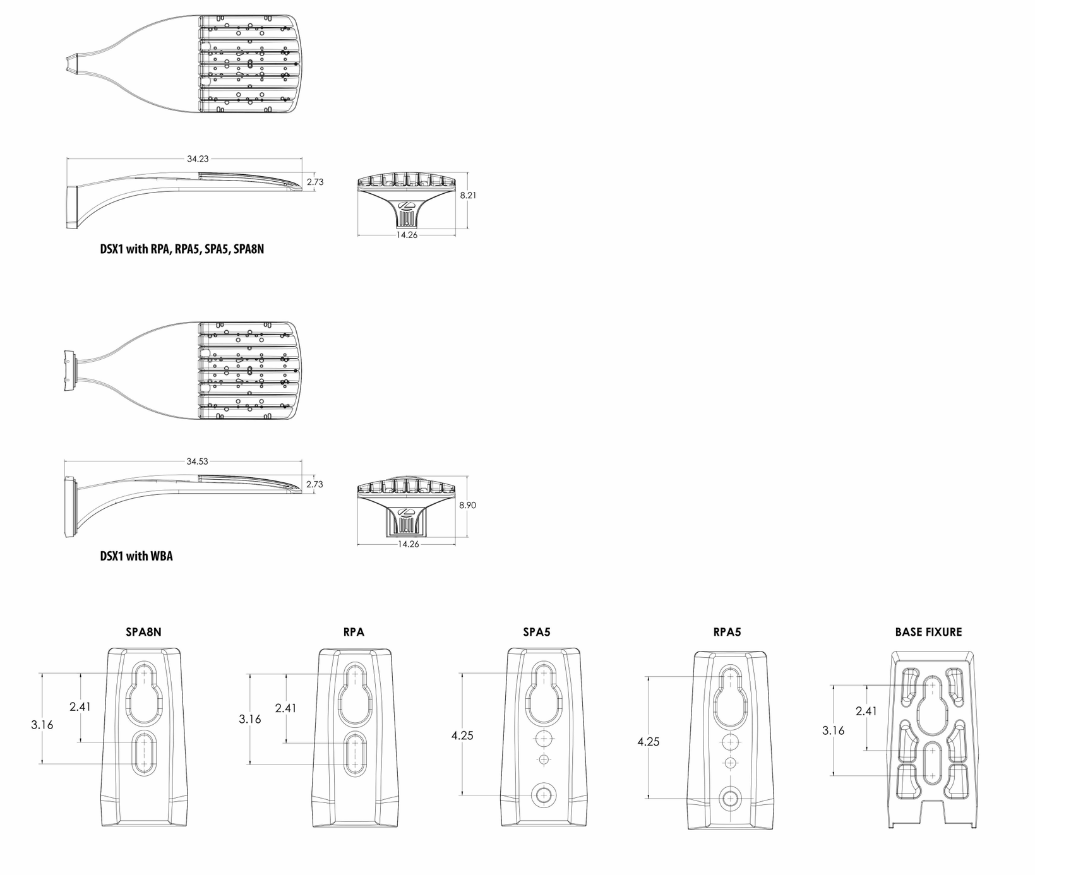
Lumen Output

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

Rotated Optics

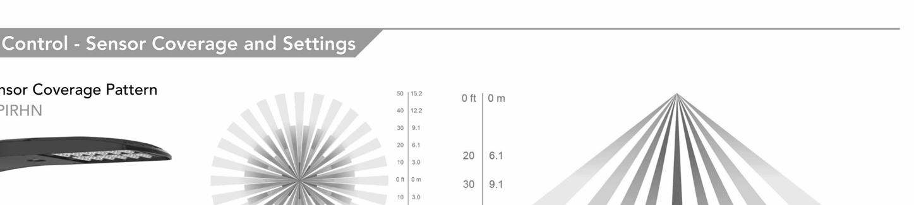
LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
60	530	P10	101W	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
60	700	P11	135W	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
				T2M	18,005	4	0	4	133	18,765	4	0	4	139	19,131	4	0	4	142
				T3M	18,211	4	0	4	135	18,980	4	0	4	141	19,350	4	0	4	143
				T3LG	16,270	3	0	3	121	16,957	3	0	3	126	17,287	4	0	4	128
				T4M	18,483	4	0	4	137	19,263	5	0	5	143	19,638	5	0	5	146
				T4LG	16,810	3	0	3	125	17,519	3	0	3	130	17,861	3	0	3	132
				TFTM	18,614	4	0	4	138	19,399	4	0	4	144	19,777	5	0	5	147
				T5M	19,017	5	0	3	141	19,819	5	0	3	147	20,205	5	0	3	150
				T5W	19,325	5	0	3	143	20,140	5	0	3	149	20,533	5	0	3	152
				T5LG	19,072	4	0	2	141	19,876	4	0	2	147	20,264	4	0	2	150
				BLC3	13,247	4	0	4	98	13,806	4	0	4	102	14,075	4	0	4	104
				BLC4	13,682	4	0	4	101	14,259	4	0	4	106	14,537	4	0	4	108
				RCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				LCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				AFR	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
60	1050	P12	206W	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
60	1400	P13	276W	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133
				T2M	31,900	5	0	5	116	33,246	5	0	5	121	33,894	5	0	5	123
				T3M	32,265	5	0	5	117	33,626	5	0	5	122	34,282	5	0	5	124
				T3LG	28,826	4	0	4	105	30,042	4	0	4	109	30,628	4	0	4	111
				T4M	32,746	5	0	5	119	34,128	5	0	5	124	34,793	5	0	5	126
				T4LG	29,782	4	0	4	108	31,039	4	0	4	113	31,644	5	0	4	115
				TFTM	32,978	5	0	5	120	34,369	5	0	5	125	35,039	5	0	5	127
				T5M	33,692	5	0	4	122	35,113	5	0	4	127	35,797	5	0	4	130
				T5W	34,238	5	0	4	124	35,682	5	0	4	129	36,378	5	0	4	132
				T5LG	33,789	5	0	3	122	35,215	5	0	3	128	35,901	5	0	3	130
				BLC3	23,471	5	0	5	85	24,461	5	0	5	89	24,937	5	0	5	90
				BLC4	24,240	5	0	5	88	25,262	5	0	5	92	25,755	5	0	5	93
				RCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				LCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				AFR	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

Dimensions



nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern
NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-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 and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.69 ft²) for optimized pole wind loading.

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

Coastal Construction (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS
Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

LITHONIA LIGHTING®

Catalog Number: SSS 25 4C DM19AS DDBXD
Notes:
Type: SA

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

SSS Square Straight Steel Poles

ORDERING INFORMATION — Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[2]	Mounting[3]	Options	Finish[14]
SSS[1]	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) 25'. See technical information table for complete ordering information.)	4C 4" 11g (0.120"); 4G 4" 7g (0.179"); 5C 5" 11g (0.120"); 5G 5" 7g (0.179"); 6G 6" 7g (0.179"). See technical information table for complete ordering information.)	**Tenon mounting** PT Open top (includes top cap); T20 2-3/8" O.D. (2" NPS); T25 2-7/8" O.D. (2-1/2" NPS); T30 3-1/2" O.D. (3" NPS); T35 4" O.D. (3-1/2" NPS). **KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[4]** DM19 1 at 90°; DM28 2 at 180°; DM28 PL 2 at 180° with one side plugged; DM29 2 at 90°; DM39 3 at 90°; DM49 4 at 90°. **CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting[4]** DM19AS 1 at 90°; DM28AS 2 at 180°; DM29AS 2 at 90°; DM39AS 3 at 90°; DM49AS 4 at 90°. **RAD drill mounting[4,5]** DM19RAD 1 at 90°; DM28RAD 2 at 180°; DM29RAD 2 at 90°; DM39RAD 3 at 90°; DM49RAD 4 at 90°. **ESX Drill mounting[4]** DM19ESX 1 at 90°; DM28ESX 2 at 180°; DM29ESX 2 at 90°; DM39ESX 3 at 90°; DM49ESX 4 at 90°. **AERIS™ Suspend drill mounting[4,6]** DM19AST_ 1 at 90°; DM28AST_ 2 at 180°; DM29AST_ 2 at 90°; DM39AST_ 3 at 90°; DM49AST_ 4 at 90°. **OMERO™ Suspend drill mounting[4,6]** DM19MRT_ 1 at 90°; DM28MRT_ 2 at 180°; DM29MRT_ 2 at 90°; DM39MRT_ 3 at 90°; DM49MRT_ 4 at 90°	**Shipped installed** VD Vibration damper[7]; HAxy Horizontal arm bracket (1 fixture)[8,9]; FDLxy Festoon outlet less electrical[8,10]; CPL12/xy 1/2" coupling[8]; CPL34/xy 3/4" coupling[8]; CPL1/xy 1" coupling[8]; NPL12/xy 1/2" threaded nipple[8]; NPL34/xy 3/4" threaded nipple[8]; NPL1/xy 1" threaded nipple[8]; EHHxy Extra handhole[8,11]; STLHHC Steel handhole cover (standard is plastic, finish is smooth); FBCSTL2PC 2 Piece steel base cover (standard is plastic); IC Interior coating[12]; L/AB Less anchor bolts (Include when anchor bolts are not needed); TP Tamper resistant handhole cover fasteners; NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled); UL UL listed with label (Includes NEC compliant cover); BAA Buy America(n) Act Compliant[13]	**Super durable paint colors** DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSXD Sandstone; DGCXD Charcoal gray; DTGXD Tennis green; DBRXD Bright red; DSBXD Steel blue; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white. **Other finishes** GALV Galvanized finish. **Architectural colors and special finishes** Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:
1. Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
2. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. All RAD drilling's require a minimum top O.D. of 4".
6. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height. *Example: Pole height is 25ft, A provision cannot be placed above 16ft.*
8. Specify location and orientation when ordering option. **For "x":** Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". *Example: 5ft = 5 and 20ft 3in = 20-3* **For "y":** Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below. *Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C*
9. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy. *Example: HA20BD.*
10. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
11. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
12. Provides enhanced corrosion resistance.
13. Use when mill certifications are required.
14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3). Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	8–9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	8–9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	8–9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	8–9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	8–9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	8–9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	8–9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	10–12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	10–12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	8–9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	8–9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	10–12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	10–12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	8–9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	10–12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	10–12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	11–13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	10–12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	11–13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	11–13	1 x 36 x 4	605

NOTE: * EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

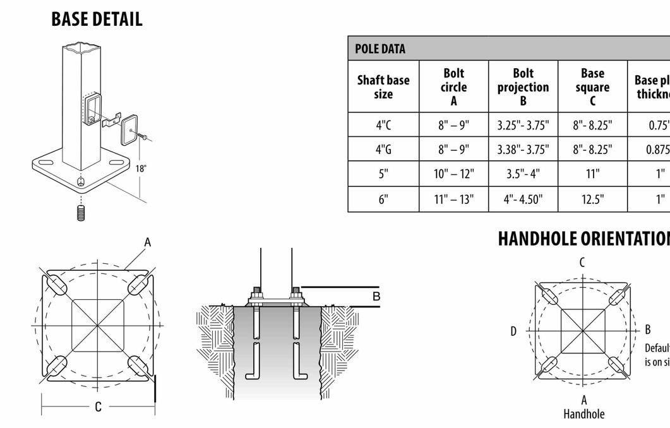
TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

SSS Square Straight Steel Poles

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A

HANDHOLE ORIENTATION

Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:
- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469.402.1232

ARCHITECT:
PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972.759.1400

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _______day of_________,________

WITNESS OUR HANDS , this _______day of_________,_________.

Planning & Zoning Commission, Chairman — *Director of Planning and Zoning*

CASE NO: SP2023-009

drawn: LSTAM
checked MHOLD
date 03/07/2023

#	DATE	DESCRIPTION
1	02/17/2023	ISSUED FOR SITE SUBMITTAL
2	03/07/2023	ISSUED FOR SITE SUBMITTAL

03/07/2023

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SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no 13597.030
ELECTRICAL
E1.2

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LITHONIA LIGHTING

Catalog Number	AFF PEL DDBTXD UVOLT LTP SDRT FCT CW
Notes	20.39W
Type	ER

AFFINITY®
Premium Die-Cast Architectural Emergency Light

AFF

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring low-profile, attractive emergency lighting with Optional normally-off or normally-on with photocell control. Provides a minimum of 90 minutes of illumination both indoors and outdoors upon loss of AC power. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Compact, low-profile, architectural design with die-cast aluminum housing. Finishes are texturized powder coat paint for dark bronze, white, black and non-texturized for natural aluminum. Test switch indicator light and remote enabled are located on the bottom of the housing and are easily accessible and visible from the floor.

OPTICS —LEDs with L70 of 55,000 hours. Delivers 635 lumens in Normal-On and Emergency operation. Optional field configurable for wide and forward throw distribution **(US Patent Pending)**. Outdoor wide throw distribution: 70' (3' path of egress) at a 7.5' mounting height with 1 FC Average.

4,000K correlated color temperature (CCT).

70 CRI.

ELECTRICAL — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

Photocell option (PEL) for normally on product in order to discontinue illumination during periods when ambient light is present. Photocell option (PEL) for normally on products allow the user to force lamp illumination by user control (external switch). When power is not connected to switched line, illumination will respond to internal daylight sensor. For switched line applications, no other types of products shall be connected on the switched leg.

Remote units (OELR) are normally off. Emergency only functionality with DC power from an external battery.

BATTERY: Sealed, maintenance-free Lithium Iron Phosphate battery.

SELF-DIAGNOSTICS AND REMOTE TEST (SDRT OPTION): Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period for non-CW batteries. (For cold weather and cold temperature applications, the light may diminish though the discharge cycle). Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary. AC/LVD re-set allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

Manual testing: Test switch and remote tester (RTKIT accessory) provides manual activation of 60-second diagnostic testing for on-demand visual inspection. 90 minute manual testing can be enabled by pressing the test switch again while in test mode.

INSTALLATION — Wall mount: typically meets 7.5' to 14' mounting height from ground or floor. Power supplied by either mounting directly to a 4" square or 4" octagon j-box (wall mount) and accepts rigid or flex conduit.

LISTINGS — UL wet location listed standard at 32-122°F (0-50°C). Unit with CW battery(cold weather) listed for -22°F to 122°F (-30° to 50°C). Remote listed for -40°F to 122°F (-40° to 50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10. Meets City of Chicago Code.

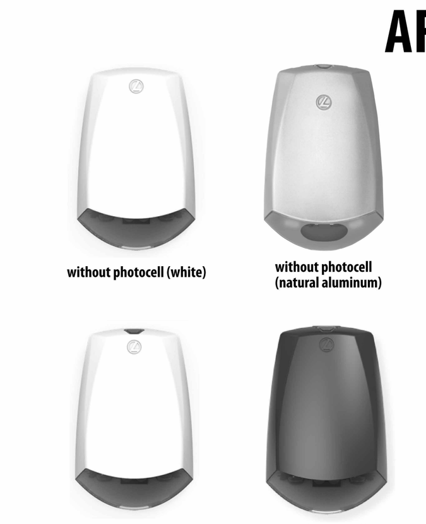
BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

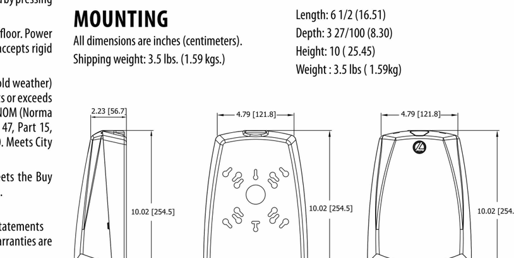
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



MOUNTING
All dimensions are inches (centimeters).
Shipping weight: 3.5 lbs. (1.59 kgs.)

Length: 6 1/2 (16.51)
Depth: 3 27/100 (8.30)
Height: 10 (25.45)
Weight : 3.5 lbs (1.59kg)



† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.

AFF Affinity® Premium Die-Cast Architectural Emergency Light

SELF-POWERED MODELS
ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF PEL DWHGXD UVOLT LTP SDRT WT

Series	Unit Type[1]	Housing Color	Voltage	Battery Type	Automatic Testing	Optics	Options
AFF AFFINITY Premium	PEL Photocell: Normally-ON with internal battery; OEL Normally-OFF with internal battery	DWHGXD White textured; DBLBXD Black textured; DNAXD Natural aluminum; DDBTXD Dark bronze textured	UVOLT 120-347VAC, 50/60Hz	LTP Lithium Iron Phosphate	SDRT Self-diagnostics remote test	WT Wide Throw; FCT Field configurable throw[2]	CW Cold Weather (-30 - 50C); BAA Buy America(n) Act Compliant

Notes
1 AFF with internal battery is not remote capable.

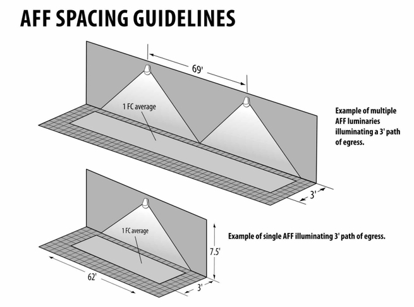
REMOTE MODELS listed for -40°F to 122°F (-40° to 50°C)
ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF OELR DWHGXD WT

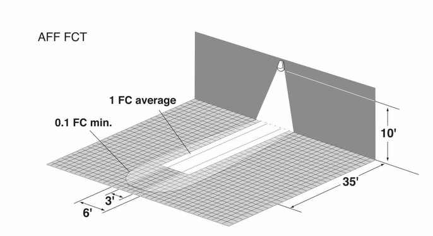
Series	Unit Type	Housing Color	Voltage	Optics	Options
AFF AFFINITY Premium	OELR Remote fixture, Normally OFF (requires external battery source)	DWHGXD White textured; DBLBXD Black textured; DNAXD Natural aluminum; DDBTXD Dark bronze textured	(blank) Universal DC voltage (8-30VDC)	WT Wide Throw; FCT Field configurable throw[1]	BAA Buy America(n) Act Compliant

Notes
1 FCT optics ships standard in the WT (wide throw) mode. Upon installation, configuration can be changed to the FCT mode.

Accessories: Order as separate catalog number.	
RTKIT	Remote test kit, up to 40' away (includes goggles, laser and battery)

AFF SPACING GUIDELINES





Maximum Spacing Guidelines - AFF (WT)

Mounting Height	Illumination Level	Single Luminaire 3' Path of Egress	Single Luminaire 6' Path of Egress	Multiple Luminaire 3' Path of Egress	Multiple Luminaire 6' Path of Egress	Application Notes *
7.5'	1FC Avg	62'	46'	69'	53'	200' Open Space 80/50/20 reflectances
10'		48'	34'	55'	46'	
12'		28'	22'	46'	41'	
14'		6'	N/A	38'	36'	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

Maximum Spacing Guidelines - AFF (FCT)

Mounting Height	Illumination Level	Single Luminaire 3' Path of Egress	Single Luminaire 6' Path of Egress	Application Notes *
7.5'	1FC Avg	24'	23'	200' Open Space 80/50/20 reflectances
10'		35'	35'	
12'		37'	31'	
14'		31'	N/A	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

LITHONIA LIGHTING AFF

AFF Affinity® Premium Die-Cast Architectural Emergency Light

SPECIFICATIONS
Electrical: Primary Circuit

Unit Type	Battery Type	Input Voltage(V)	Input Current(A)	Watts(W)
PEL WT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
PEL FCT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
OEL WT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OEL FCT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OELR WT	N/A	8-30	0.248 - 1.225	8.57*
OELR FCT	N/A	8-30	0.254 - 1.168	8.22*

*OELR watts data is in addition to the lamp heads on the product

BATTERY

Lithium Iron Phosphate					
Type	Voltage	Typical Shelf Life[1]	Typical Life[1]	Maintenance[2]	Temperature range[3,4]
STD	12.8V	1 year	6-8 years	none	32 - 122°F (0 - 50°C)
CW	12.8V	1 year	6-8 years	none	-22 - 122°F (-30 - 50°C)

Notes
1 At 77°F (25°C).
2 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.
3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
4 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges.

LITHONIA LIGHTING AFF

Site Lighting Fixture Schedule

Type Mark	Description	Manufacturer	Model	Voltage	Wattage	Count
ER	EXTERIOR - LED EMERGENCY LIGHT	LITHONIA LIGHTING	AFF PEL DDBTXD UVOLT LTP SDRT FCT CW	UVOLT	20 W	4
SA	EXTERIOR - LED POLE LIGHT	LITHONIA LIGHTING	DSX1 LED P6 50K 70CRI T4M MVOLT SPA PIR BSDB DDBXD	MVOLT	163 W	17
W1	EXTERIOR - LED WALL PACK	LITHONIA LIGHTING	DSXW1 20C 700 50K T2S MVOLT PIRH SF BSW DDBXD	MVOLT	46 W	17

d"series

D-Series Size 1
LED Wall Luminaire

NIGHTTIME FRIENDLY BAA

Catalog Number	DSXW1 20C 700 50K T2S MVOLT PIRH SF BSW DDBXD
Notes	46W
Type	W1

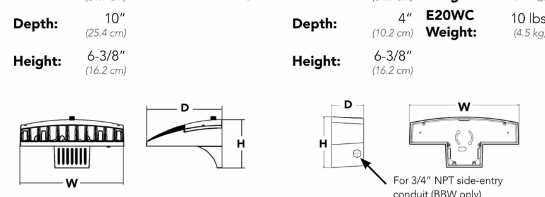
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications
Luminaire

Width: 13-3/4" (34.9 cm) Weight: 12 lbs (5.4 kg)
Depth: 10" (25.4 cm)
Height: 6-3/8" (16.2 cm)

Back Box (BBW, E20WC)

Width: 13-3/4" (34.9 cm) BBW Weight: 5 lbs (2.3 kg)
Depth: 4" (10.2 cm) E20WC Weight: 10 lbs (4.5 kg)
Height: 6-3/8" (16.2 cm)



Introduction
The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information
EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine); 20C 20 LEDs (two engines)[1]	350 350 mA; 530 530 mA; 700 700 mA; 1000 1000 mA (1 A)[1]	30K 3000 K; 40K 4000 K; 50K 5000 K; AMBPC Amber phosphor converted	T2S Type II Short; T2M Type II Medium; T3S Type III Short; T3M Type III Medium; T4M Type IV Medium; TFTM Forward Throw Medium	MVOLT[2]; 120[3]; 208[3]; 240[3]; 277[3]; 347[3,4]; 480[3,4]	Shipped included: (blank) Surface mounting bracket; BBW Surface-mounted back box (for conduit entry)[5]	Shipped installed: PE Photoelectric cell, button type[6]; DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately); PIR 180° motion/ambient light sensor, <15' mtg ht[1,7]; PIRH 180° motion/ambient light sensor, 15-30' mtg ht[1,7]; PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[1,7]; PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[1,7]; E20WC Emergency battery backup (includes external component enclosure), CA Title 20 compliant[8,9]

Other Options	Finish (required)
Shipped installed: SF Single fuse (120, 277 or 347V)[3,10]; DF Double fuse (208, 240 or 480V)[3,10]; HS House-side shield[11]; SPD Separate surge protection[12]. Shipped separately[11]: BSW Bird-deterrent spikes; VG Vandal guard; DDL Diffused drop lens	DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSXD Sandstone; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white; DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1VG U	Vandal guard accessory

NOTES
1 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
4 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
5 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
6 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
7 Reference Motion Sensor table on page 3.
8 Same as old ELCW. Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
9 Not available with SPD.
10 Not available with E20WC.
11 Also available as a separate accessory; see Accessories information.
12 Not available with E20WC.

LITHONIA LIGHTING COMMERCIAL OUTDOOR

Performance Data

Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K Lumens	B	U	G	LPW	40K Lumens	B	U	G	LPW	50K Lumens	B	U	G	LPW	AMBPC Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
			TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
	530 mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
			TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	1	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	1	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	1	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	1	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	1	0	1	57
			TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	1	0	1	59
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
			T3M	3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56
			T4M	3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55
			TFTM	3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
			TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
			TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
			TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
			T3M	7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59
			T4M	6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58
			TFTM	7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60

LITHONIA LIGHTING COMMERCIAL OUTDOOR

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
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 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	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Current (A)

Projected LED Lumen Maintenance
Data references the extrapolated performance projections for the **DSXW1 LED 20C 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	0.93	0.88

Motion Sensor Default Settings

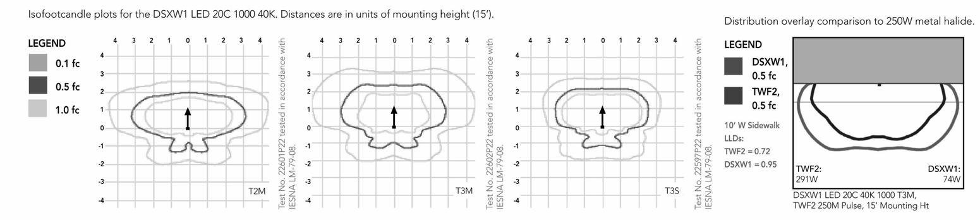
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*For use when motion sensor is used as dusk to dawn control

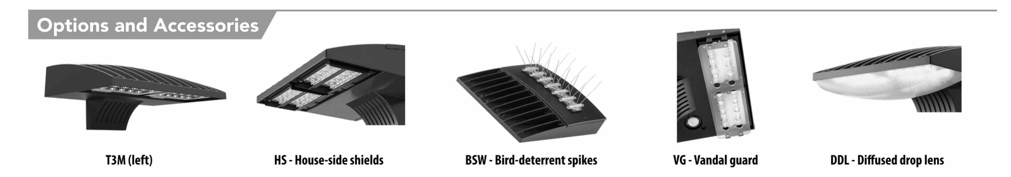
Photometric Diagrams
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').

Distribution overlay comparison to 250W metal halide.



Options and Accessories



FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 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 (L88/100,000 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.

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

WARRANTY
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

LITHONIA LIGHTING COMMERCIAL OUTDOOR

OWNER:
ALVAPLAST U.S. DEVELOPMENT, LLC
CONTACT: CAROLINA MOLINA
1480 JUSTIN ROAD
ROCKWALL, TX 75087
469.402.1232

ARCHITECT:
PROSS DESIGN GROUP, INC.
CONTACT: ROBERT PROSS
5310 HARVEST HILL RD., SUITE 180
DALLAS, TX 75230
972.759.1400

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the _______day of_________,________

WITNESS OUR HANDS , this _______day of_________,_________.

Planning & Zoning Commission, Chairman
Director of Planning and Zoning

CASE NO: SP2023-009

drawn: LSTAM
checked MHOLD
date 03/07/2023

#	DATE	DESCRIPTION
1	02/17/2023	ISSUED FOR SITE SUBMITTAL

03/07/2023

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SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

job no
13597.030
ELECTRICAL

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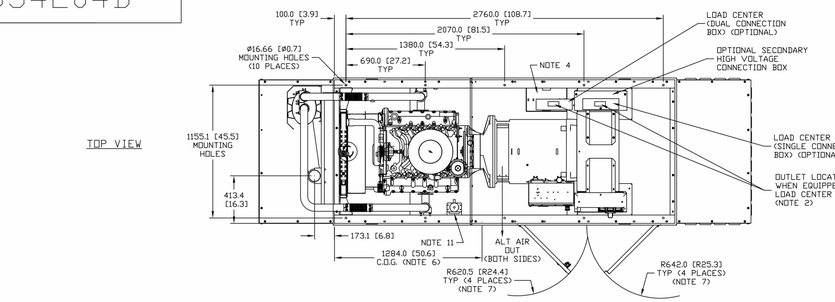
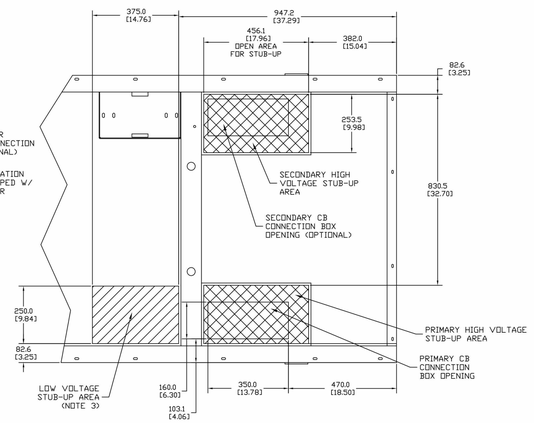
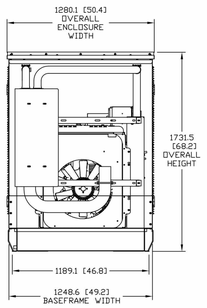
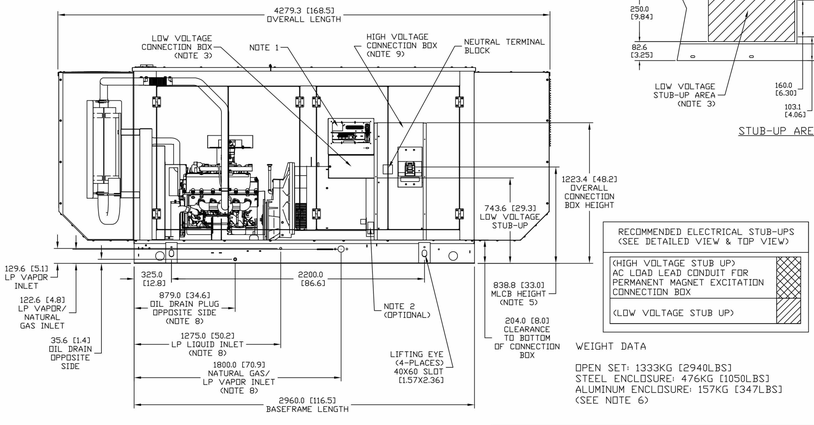




STUB-UP AREA DETAILED VIEW



FRONT VIEW



SIDE VIEW

RECOMMENDED ELECTRICAL STUB-UPS (SEE DETAILED VIEW & TOP VIEW)

(HIGH VOLTAGE STUB UP)
AC LOAD LEAD CONDUIT FOR PERMANENT MAGNET EXCITATION CONNECTION BOX

(LOW VOLTAGE STUB UP)

WEIGHT DATA

OPEN SET: 1333KG [2940LBS]
STEEL ENCLOSURE: 476KG [1050LBS]
ALUMINUM ENCLOSURE: 157KG [347LBS]
(SEE NOTE 6)

NOTE:

1. CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE)
2. 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL)
3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB UP AREA)
4. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM)
5. MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS CONNECT DIRECTLY TO MLCB. (MLCB HEIGHT MAY VARY WITH CB SELECTION)
6. CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
7. DOORS MUST BE ABLE TO OPEN AT LEAST 90° TO BE REMOVED
8. ENGINE SERVICE CONNECTIONS:
   - INLET L/P GAS = 1-1/4" NPT COUPLING
   - INLET L/P LIQUID = 1/4" NPT COUPLING
   - INLET NATURAL GAS = 1-1/4" NPT COUPLING
   - OIL DRAIN = 1/2" NPT COUPLING
   - EXHAUST OUTLET = 4" O.D.
9. AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED
10. EPA AIR QUALITY REGULATIONS REQUIRE THE CATALYST TO REMAIN MOUNTED IN THE FACTORY INSTALLED POSITION OR WITHIN THE SPECIFIED MOUNTING POSITION DETAILED ON THIS DRAWING UNDER PENALTY OF FEDERAL LAW
11. BLOCK HEATER
12. BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RECIRULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
13. GENERATOR SET MUST BE INSTALLED SUCH THAT DISCHARGE AIR IS NOT RECIRCULATED.
14. CIRCUIT BREAKER
    - AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
    - REFER TO LUG SIZING CHART AVAILABLE ON POWER NET.

INSTALLATION DRAWING	G150LG
	G080-130LG W/150 OR 200KW UPSIZE
	6.8L GEAR DRIVE
	LEVEL 1 ACOUSTIC ENCLOSURE
	ISSUE DATE 3/31/11

OLYMPIAN™

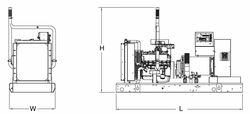
FILE NAME	0J4204B.DWG	SIZE	B
SCALE	NTS	FIRST USE	6.8L
DWG NO.	0J4204B	REV	D

OLYMPIAN™

G150LG dimensions, weights and sound levels

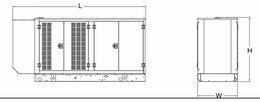
G150LG 150kW

5 of 5



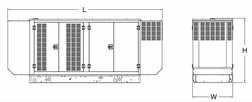
OPEN SET (Includes Exhaust Flex)

L	W	H	WT	dBA*
117	49	84	2940	90



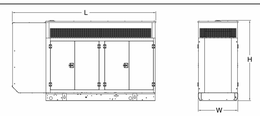
STANDARD ENCLOSURE

L	W	H	WT	dBA*
143	50	68	3790	87



LEVEL 1 ACOUSTIC ENCLOSURE

L	W	H	WT	dBA*
169	50	68	3990	77



LEVEL 2 ACOUSTIC ENCLOSURE

L	W	H	WT	dBA*
143	50	92	4190	75

*All measurements are approximate and for estimation purposes only. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Cat® Dealer for detailed installation drawings.

drawn: LSTAM
checked MHOLD
date 05/07/2023

#	DATE	DESCRIPTION
	02/17/2023	50% PROGRESS SET

FOR PRELIMINARY REVIEW ONLY

NOT FOR REGULATORY APPROVAL, PERMIT OR CONSTRUCTION

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SPR PACKAGING
SPR NORTH - PHASE II
ROCKWALL, TEXAS

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